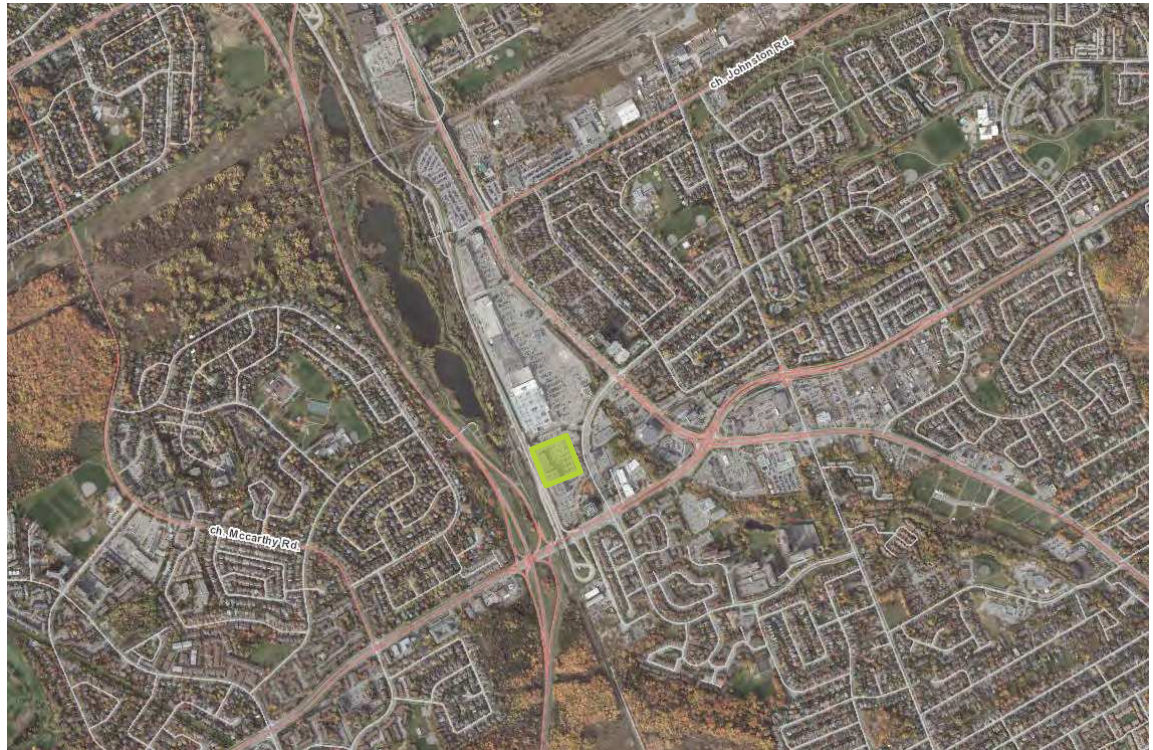


Transportation Impact Assessment – Step 4: Analysis

South Keys Phase 1



Prepared for SmartCentres Real Estate Investment Trust
by IBI Group

October 22, 2021

TIA Plan Reports - Certification

On 14 June 2017, the Council of the City of Ottawa adopted new Transportation Impact Assessment (TIA) Guidelines. In adopting the guidelines, Council established a requirement for those preparing and delivering transportation impact assessments and reports to sign a letter of certification.

Individuals submitting TIA reports will be responsible for all aspects of development-related transportation assessment and reporting, and undertaking such work, in accordance and compliance with the City of Ottawa's Official Plan, the Transportation Master Plan and the Transportation Impact Assessment (2017) Guidelines.

By submitting the attached TIA report (and any associate documents) and signing this document, the individual acknowledges that s/he meets the four criteria listed below:

CERTIFICATION

1. I have reviewed and have a sound understanding of the objectives, needs and requirements of the City of Ottawa's Official Plan, Transportation Master Plan and the Transportation Impact Assessment (2017) Guidelines;
2. I have a sound knowledge of industry standard practice with respect to the preparation of transportation impact assessment reports, including multi modal level of service review;
3. I have substantial experience (more than 5 years) in undertaking and delivering transportation impact studies (analysis, reporting and geometric design) with strong background knowledge in transportation planning, engineering or traffic operations; and
4. I am either a licensed¹ or registered¹ professional in good standing, whose field of expertise [check appropriate field(s)] is either transportation engineering or transportation planning .

¹ License or registration body that oversees the profession is required to have a code of conduct and ethics guidelines that will ensure appropriate conduct and representation for transportation planning and/or transportation engineering works.

Dated at Ottawa this 22nd day of October, 2021.
(City)

Name: David Hook, P.Eng.

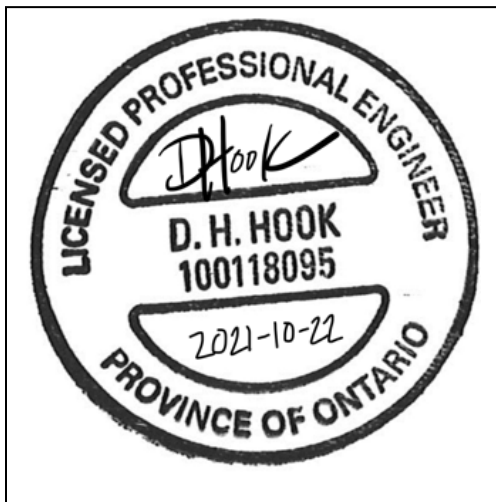
Professional Title: Project Engineer



Signature of Individual certifier that she/he meets the above four criteria

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Executive Summary

IBI Group (IBI) was retained by SmartCentres Real Estate Investment Trust (REIT) on behalf of the Joint Venture Applicant, Calloway REIT (South Keys) Inc. and Canadian Property Holdings (South Keys) Inc., to undertake a Transportation Impact Assessment (TIA) in support of a Site Plan Control application and a Zoning By-Law Amendment application for a proposed high-rise residential development to be located at 2200 Bank Street and 1131 Hunt Club Road, Ottawa.

The proposed development is located within an existing Transit-Oriented Development (TOD) zone and immediately adjacent to the South Keys Transitway Station, which is planned to incorporate LRT service in tandem with its existing BRT service by the end of 2022. This high-density residential development is well suited in this context, given its proximity to high quality transit service and the numerous amenities offered at South Keys Shopping Centre. A Transit Plaza is located immediately adjacent to the site which provides direct access to South Keys Station from both the site and Dazé Street.

The development is anticipated to be constructed in four phases with full build-out of Phase 1 in 2026 and full build-out of the Master Plan in 2041. The horizon year of the study was therefore taken as 2031 for Phase 1 and 2041 for Phases 2 to 4. Direct access to the proposed development will be provided on Dazé Street through a proposed right-in/right-out driveway and an existing '3/4' movements driveway. There will be no left-turns permitted for vehicles leaving the development through these two access driveways.

A functional design Roadway Modification Application (RMA) was carried out to identify minor alterations required to relocate the existing '3/4' access driveway approximately 3.5m metres south which would accommodate a fire truck/heavy single unit (HSU) design vehicle by standardizing the width of the northbound left-turn and help to ensure that outbound left-turns from the site are physically restricted.

There were 3 known developments of significance in the vicinity of the subject site that are either in the development application approval process, are in pre-construction or are in varying stages of construction. For these developments, all unoccupied units are accounted for in the development of background traffic volumes using consistent trip generation assumptions.

The proposed development is expected to generate up to 67 and 210 two-way weekday peak hour vehicular trips upon full build-out of Phase 1 and the long-term Master Plan, respectively. Site-generated traffic was assigned to the adjacent road network based on the morning peak period commuter travel patterns for the Hunt Club Traffic Assessment Zone (TAZ) from the 2011 TRANS Origin-Destination Survey, as well as the distribution of relevant employment nodes throughout the City.

This study has identified deficiencies in the Level of Service across all transportation modes, with limited options available to achieve acceptable standards. The arterial intersections within the study area are expected to operate above their theoretical capacities based on existing and future conditions. The performance of these intersections is not expected to be largely impacted by the site-generated traffic, as it is the case for Future Background and Future Total Traffic conditions. The intersections along Dazé Street are expected to operate well under their theoretical capacities beyond the 2041 study horizon year. As indicated through queuing analysis, all right and left-turn auxiliary lanes impacted by the new development are expected to provide adequate storage for vehicles within the study area.

Based on the findings of this study, it is the overall opinion of IBI Group that the proposed development will integrate well with and can be safely accommodated by the adjacent transportation network with the recommended actions and modifications in place.

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- Appendix H – Swept Path Analysis
- Appendix I – MMLOS Analysis
- Appendix J – Intersection Capacity Analysis
- Appendix K – Auxiliary Lane Analysis
- Appendix L – RMA Drawings

1 Introduction

IBI Group (IBI) was retained by SmartCentres Real Estate Investment Trust (REIT) on behalf of the Joint Venture Applicant, Calloway REIT (South Keys) Inc. and Canadian Property Holdings (South Keys) Inc., to undertake a Transportation Impact Assessment (TIA) in support of a Site Plan Control application and a Zoning By-Law Amendment application for a proposed high-rise residential development to be located at 2200 Bank Street and 1131 Hunt Club Road, Ottawa.

In accordance with the City of Ottawa's Transportation Impact Assessment Guidelines, published in June 2017, the following report is divided into four major components:

- **Screening** – Prior to the commencement of a TIA, an initial assessment of the proposed development is undertaken to establish the need for a comprehensive review of the site based on three triggers: Trip Generation, Location and Safety.
- **Scoping** – This component of the TIA report describes both the existing and planned conditions in the vicinity of the development and defines study parameters such as the study area, analysis periods and analysis years of the development. It also provides an opportunity to identify any scope exemptions that would eliminate elements of scope described in the TIA Guidelines that are not relevant to the development proposal, based on consultation with City staff.
- **Forecasting** – The Forecasting component of the TIA is intended to review both the development-generated travel demand and the background network travel demand and provides an opportunity to rationalize this demand to ensure projections are within the capacity constraints of the transportation network.
- **Analysis** – This component documents the results of any analyses undertaken to ensure that the transportation related features of the proposed development are in conformance with prescribed technical standards and that its impacts on the transportation network are both sustainable and effectively managed. It also identifies a development strategy to ensure that what is being proposed is aligned with the City of Ottawa's city-building objectives, targets and policies.

Throughout the development of a TIA report, each of the four study components above are submitted in draft form to the City of Ottawa and undergo a review by a designated Transportation Project Manager. Any comments received are addressed to the satisfaction of the City's Transportation Project Manager before proceeding with subsequent components of the study. All technical comments and responses throughout this process are included in **Appendix A**.

Dependent on the findings of this report, the complete submission of this Transportation Impact Assessment may also require Functional Design Drawings of recommended roadway improvements to support a Roadway Modification Application (RMA). The submission may also require a post-development Monitoring Plan to track performance of the planned TIA Strategy. The need for these two elements will be confirmed through the analysis undertaken for this report.

2 TIA Screening

An initial screening was completed to confirm the need for a Transportation Impact Assessment by reviewing the following three triggers:

- **Trip Generation:** Based on the proposed number of apartment dwelling units, the minimum development size threshold has been exceeded and therefore the Trip Generation trigger is satisfied.
- **Location:** The proposed development is located within a Transit-oriented Development zone (TOD) and, as such, the Location trigger is satisfied.
- **Safety:** Boundary street conditions were reviewed to determine if there is an elevated potential for safety concerns adjacent the site. Due to the proximity of the proposed site access to an existing signalized intersection and potential visibility constraints on Dazé Street, the Safety Trigger is satisfied.

As the proposed development meets the Trip Generation, Location and Safety triggers, the need to undertake a Transportation Impact Assessment is confirmed.

A copy of the Screening Form is provided in **Appendix B**.

3 Project Scoping

3.1 Description of Proposed Development

3.1.1 Site Location

The proposed development is located within the South Keys Shopping Centre and is approximately 1.2 hectares in size. It is bound by Dazé Street to the east, the Transitway to the west and abuts the future South Keys LRT Station.

The site location and its surrounding context is illustrated in **Exhibit 1**.

3.1.2 Land Use Details

The subject site is currently a commercial area including parking and is zoned as a Mixed-Use Centre, based on GeoOttawa. The site is presently occupied by three adjoining commercial retail units and will be demolished to accommodate the proposed Phase 1 development. Two existing commercial units will remain as part of the Phase 1 development plan. The subject development includes two 21-storey towers joined by a 6-storey podium in Phase 1. **Table 1** summarizes the proposed land uses included in this development.

Table 1 - Land Use Statistics (Phase 1)

| LAND USE | SIZE |
|-----------------------------|--|
| Apartments | 481 dwelling units |
| Commercial (Service Retail) | 5,019 ft ² / 466 m ² |

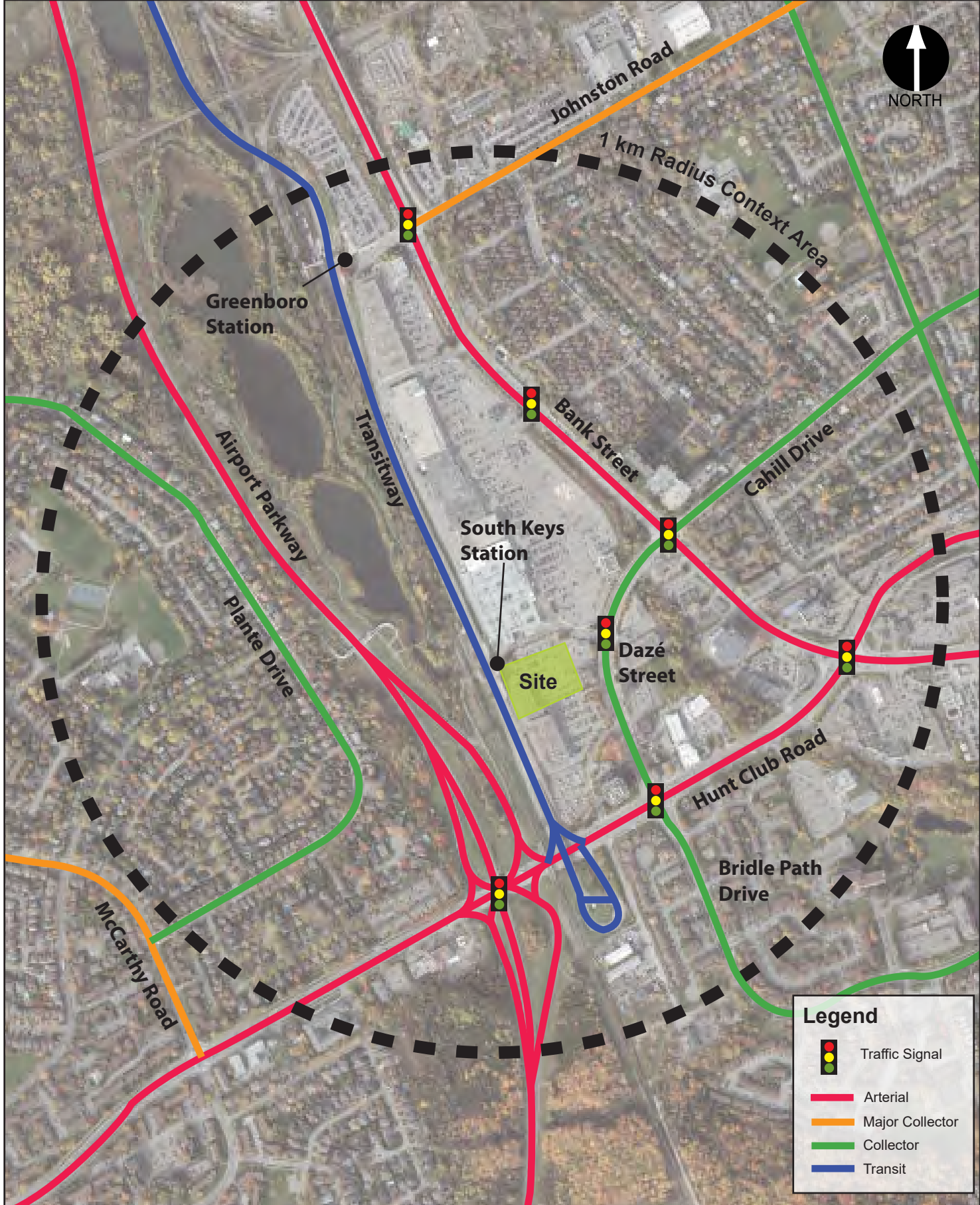
The site will provide 314 structured vehicle parking spaces (including 30 visitor parking spaces) and 225 bicycle parking spaces. In addition to this, 94 surface parking spaces will be retained for the existing restaurant and 126 surface spaces will be retained for the movie theatre as part of the Phase 1 development. The configuration of the proposed development is illustrated in **Exhibit 2**.

The parking facility will occupy five levels within the above grade podium as well as one level below grade.

The proposed development forms part of a 4-Phase Master Plan. The full Master Plan is expected to be built out no sooner than 15 years after Phase 1 occupancy and will ultimately accommodate a total of approximately 1,710 residential units and a nominal amount of service retail to support the needs of future residents. The Master Plan is found in **Exhibit 3**.

3.1.3 Development Phasing & Date of Occupancy

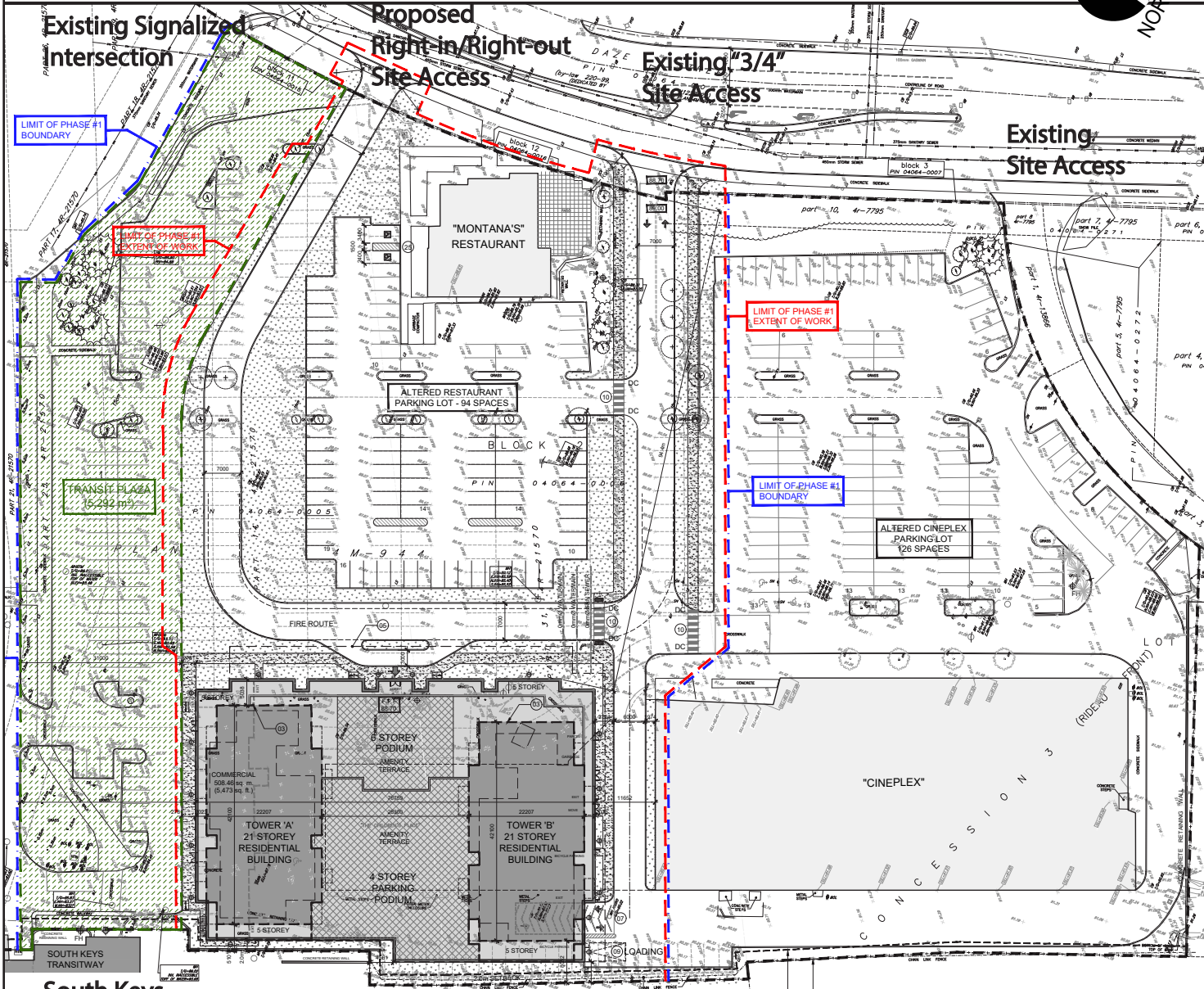
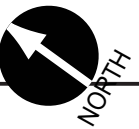
It is expected that the Phase 1 towers will be constructed in series with full occupancy anticipated for 2026. For the purposes of this study, it is assumed the development represents a single phase, however any improvements triggered by the development may be required as early as 2024 to accommodate the initial occupancy. If applicable, the specific timeline of any required infrastructure improvements will be identified in the Analysis section of this report.



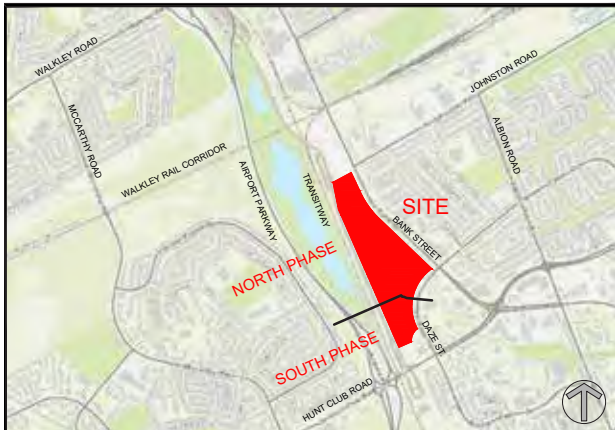
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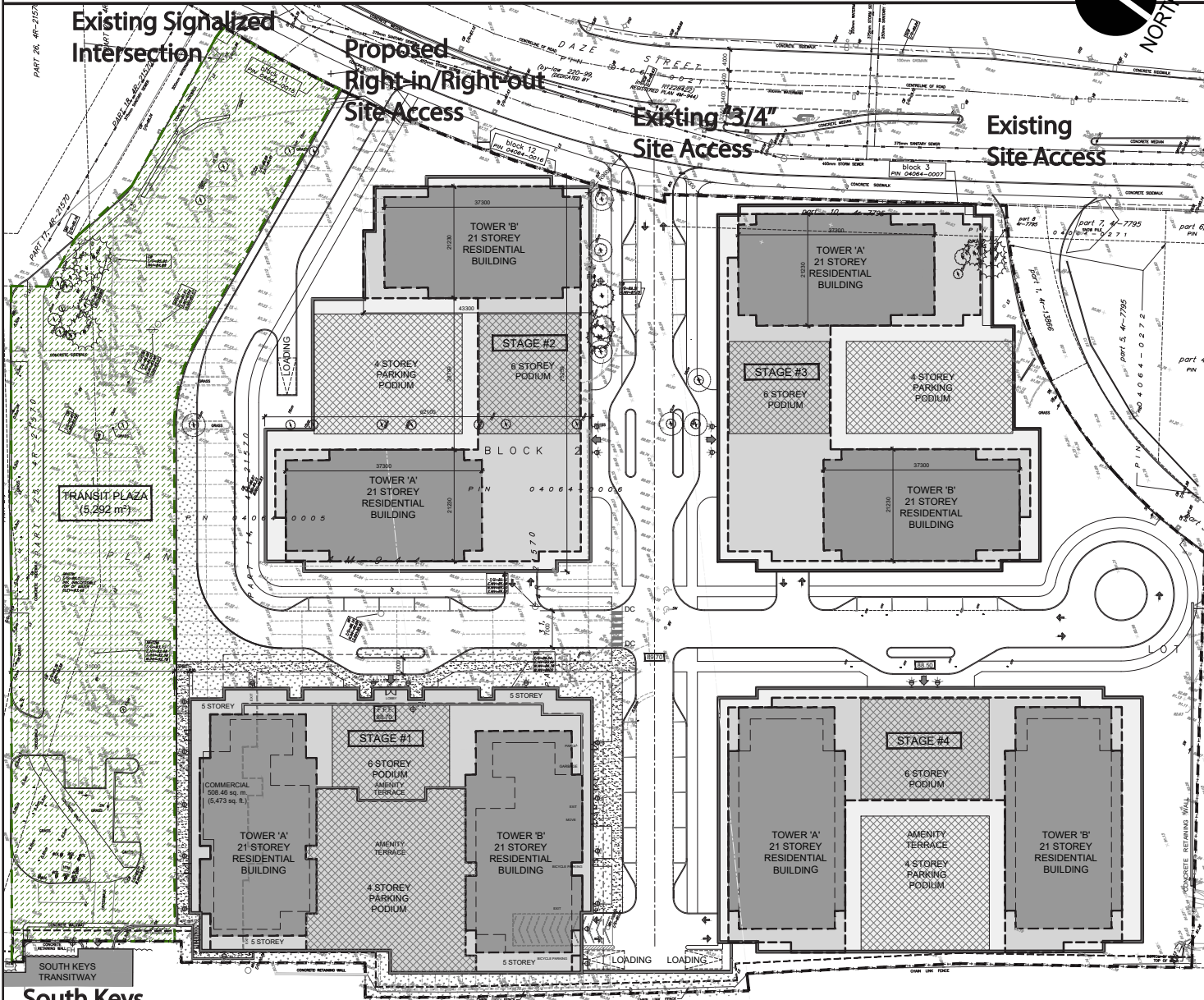
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-  Arterial
-  Major Collector
-  Collector
-  Transit





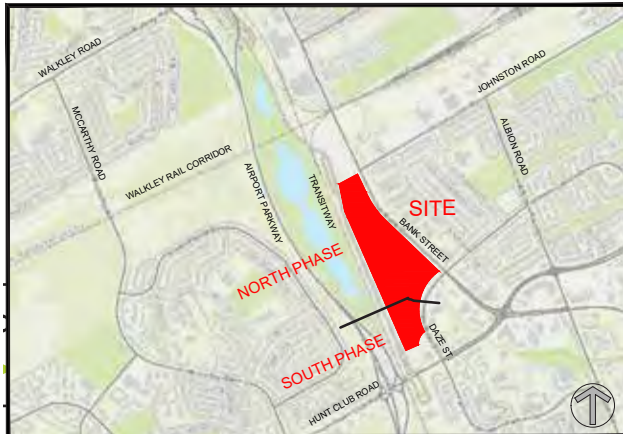
South Keys Station





**South Keys
ACCESS
Station**

PART 5 4R-10306
PIN 04064-0022 (RIDEAU FRONT) LOT 5



South Keys Phase 1
Transportation Impact Assessment

Exhibit 3:
Master Plan

PROJECT No. 134569

SCALE: 0m 20m 40m



3.2 Existing Conditions

3.2.1 Existing Road Network

3.2.1.1 Roadways

The proposed development is bound by the following street(s):

- **Dazé Street** is an urban collector road under the jurisdiction of the City of Ottawa that connects Hunt Club Road with Bank Street while providing access to several commercial areas in the vicinity along with direct access to the proposed site. Dazé Street has a four-lane divided cross-section with a posted speed limit of 50 km/h and a right-of-way of approximately 33.5 metres along the frontage of the proposed development site.

Other streets within the context area of the proposed development are as follows:

- **Bank Street** is an urban arterial road under the jurisdiction of the City of Ottawa that extends north-south from Wellington Street to City Limits where it becomes Highway 31. It has a posted speed limit of 60 km/h and typically consists of a four-lane cross-section with a right-of-way of 37.5m.
- **Hunt Club Road** is an urban arterial road under the jurisdiction of the City of Ottawa that extends east-west from Riverside Drive to the Trans-Canada Highway. Further west, Hunt Club Road becomes West Hunt Club Road. Within the context area, it generally has a four-lane divided cross-section, a posted speed limit of 60 km/h, and a right-of-way of 44.5m.
- **Airport Parkway** is a rural arterial road under the jurisdiction of the City of Ottawa that extends south from Heron Road until Uplands Drive and Lester Road. It consists of a two-lane cross-section along with a posted speed limit of 80 km/h and there is an existing protected corridor for this roadway.

3.2.1.2 Driveways Adjacent to Development Access

There are three existing driveways along Dazé Street within 200m of the proposed site that service commercial properties:

- One all movement access driveway located approximately 140m north of the Hunt Club Road and Dazé Street intersection providing access to the site as well as the adjacent office tower at 1145 Hunt Club Road,
- One right-turn exit-only driveway located approximately 60m south of the Dazé Street & South Keys Shopping Centre intersection,
- A “3/4 Access” located 80m south of the Dazé & South Keys intersection that serves the proposed development site.

3.2.1.3 Intersections

The following major intersections exist within the vicinity of the proposed development:



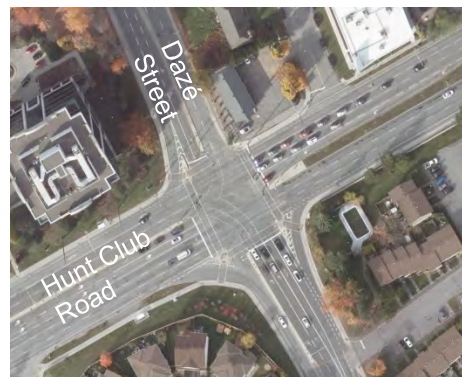
- **Bank Street & Dazé Street** is a four-legged signalized intersection. The south leg consists of a single auxiliary left-turn lane, a single through lane, and a shared through-right lane. The north leg consists of a single auxiliary left-turn lane, two through lanes, and a channelized right-turn lane. There is a through traffic restriction on both sidestreet approaches. The west leg has a single dedicated left- and right-turn auxiliary lanes, while the east leg consists of a single dedicated left- turn lane and a channelized right-turn lane. Zebra crosswalks are present on all approaches and a bike lane exists on both the east and west legs and in the southbound direction on Bank Street.



- **Dazé Street & South Keys Shopping Centre** is a four-legged signalized intersection that provides access to the South Keys Shopping Centre surface parking facilities through both the east and west legs. The east leg consists of a single shared lane and the west leg consists of an auxiliary left-turn lane along with a shared through-right lane. The north and south legs both consist of single auxiliary left-turn lanes, one through lane, and single shared through-right turn lanes. Crosswalks exist on all approaches.



- **Bank Street & Hunt Club Road** is a four-legged signalized intersection. The north and south legs both consist of two auxiliary left-turn lanes and two dedicated through lanes. The west leg consists of two dedicated through lanes and two auxiliary left-turn lanes, whereas the east leg consists of two dedicated through lanes but only one auxiliary left-turn lane. All approaches of this intersection have channelized right-turn lanes and crosswalks.



- **Hunt Club Road & Dazé Street** is a four-legged signalized intersection. The west leg has two auxiliary left-turn lanes, two dedicated through lanes and one auxiliary right-turn lane that can be used as a through lane by transit and bicycles. The east leg consists of two designated through lanes and one auxiliary left-turn lane along with an auxiliary right-turn lane. The north leg has one designated channelized right-turn lane, one designated through lane, and one auxiliary left-turn lane. The south leg



consists of two auxiliary left-turn lanes, one auxiliary transit through lane, one dedicated through lane, and one channelized auxiliary right-turn lane. All legs consist of a bike lane with the exception of the north leg and all approaches include a crosswalk.

- **Hunt Club Road & Airport Parkway** is a signalized intersection with two off-ramps and two on-ramps for both directions of Airport Parkway. Both off-ramps, the north and south legs, have one dedicated right-turn lane and the northbound off-ramp has only one dedicated left-turn lane whereas the southbound off-ramp has 2 dedicated left-turn lanes. Both the west and the east legs of the intersection consists of one auxiliary left-turn lane, two through lanes, and a channelized right-turn lane onto an on-ramp along with a bike lane. U-turns are not permitted in the eastbound and westbound directions and all legs include a zebra crosswalk with the exception of the east leg.

The intersection control and lane configurations for the intersections described above are shown in **Exhibit 4**.

3.2.1.4 Traffic Management Measures

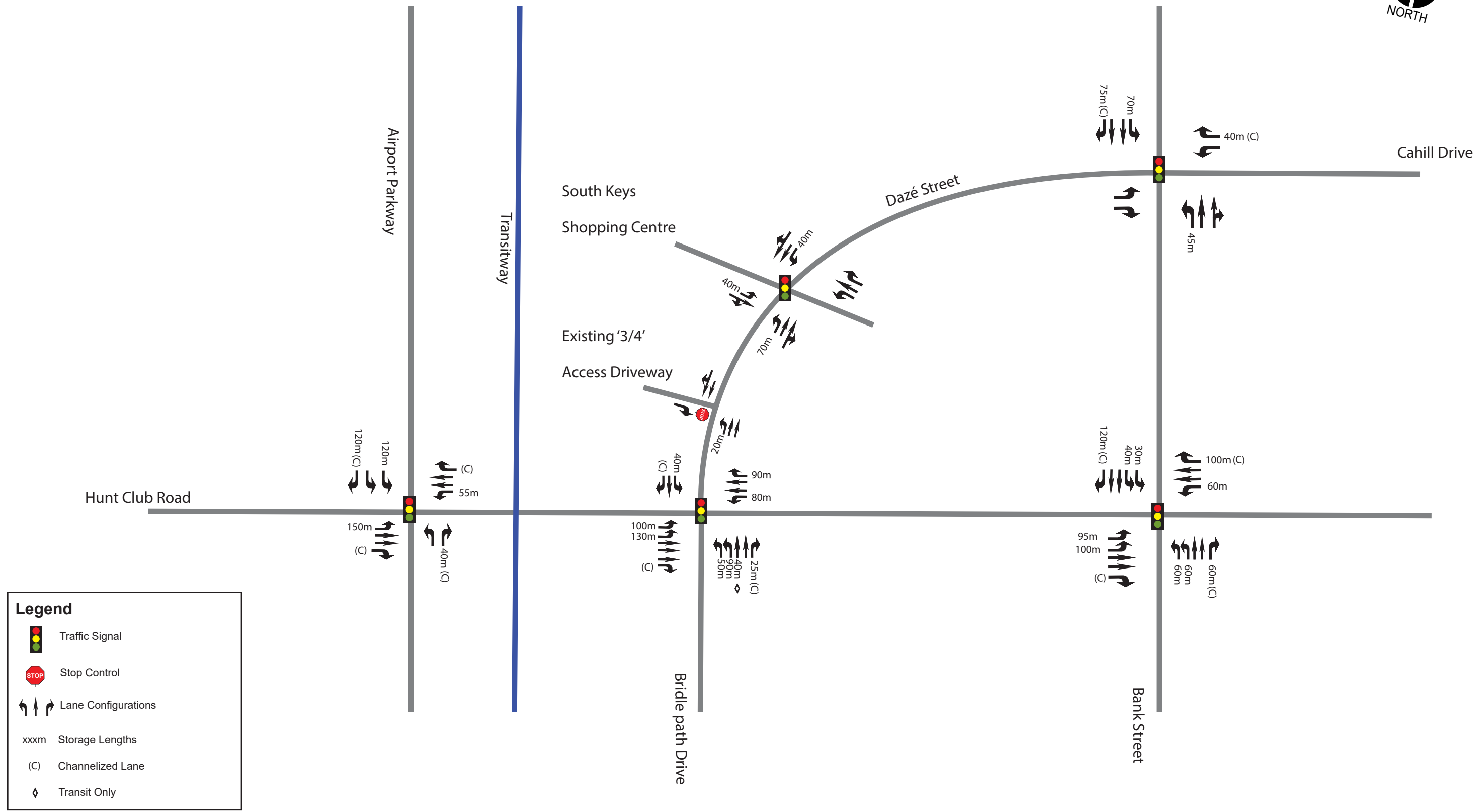
There are no significant traffic calming measures in effect within the context area.

3.2.1.5 Existing Traffic Volumes

As the proposed development will primarily consist of residential land uses, the weekday peak hour traffic conditions will be most affected by the increase in traffic. Weekday morning and afternoon peak hour turning movement counts were therefore obtained from the City of Ottawa at the following intersections and can be found in **Appendix C**:

- Bank Street & Hunt Club Road (City of Ottawa, November 2019)
- Airport Parkway & Hunt Club Road (City of Ottawa, November 2019)
- Bank Street & Cahill Drive/ Dazé Street (City of Ottawa, September 2015)
- Dazé Street & South Keys Shopping Centre (City of Ottawa, April 2018)
- Hunt Club Road & Bridle Path Drive/ Dazé Street (City of Ottawa, March 2019)

Peak hour traffic volumes representative of existing conditions are shown in **Exhibit 5**. It is acknowledged that some traffic data referenced above is more than 3 years old. Due to the COVID-19 pandemic, however, it was not possible to conduct updated turning movement counts at any of the above noted intersections which would be representative of typical weekday conditions. A growth rate was therefore applied to approximate existing (2021) traffic volumes. Justification of background growth rates is discussed further in the Forecasting section of this TIA.



Legend

- Traffic Signal
- Stop Control
- Lane Configurations
- xxxm Storage Lengths
- (C) Channelized Lane
- ♦ Transit Only

Legend



Traffic Signal

xxx (xxx) Weekday AM (PM) Peak Hour Volume

← xxx (xxx) → Pedestrian Volume

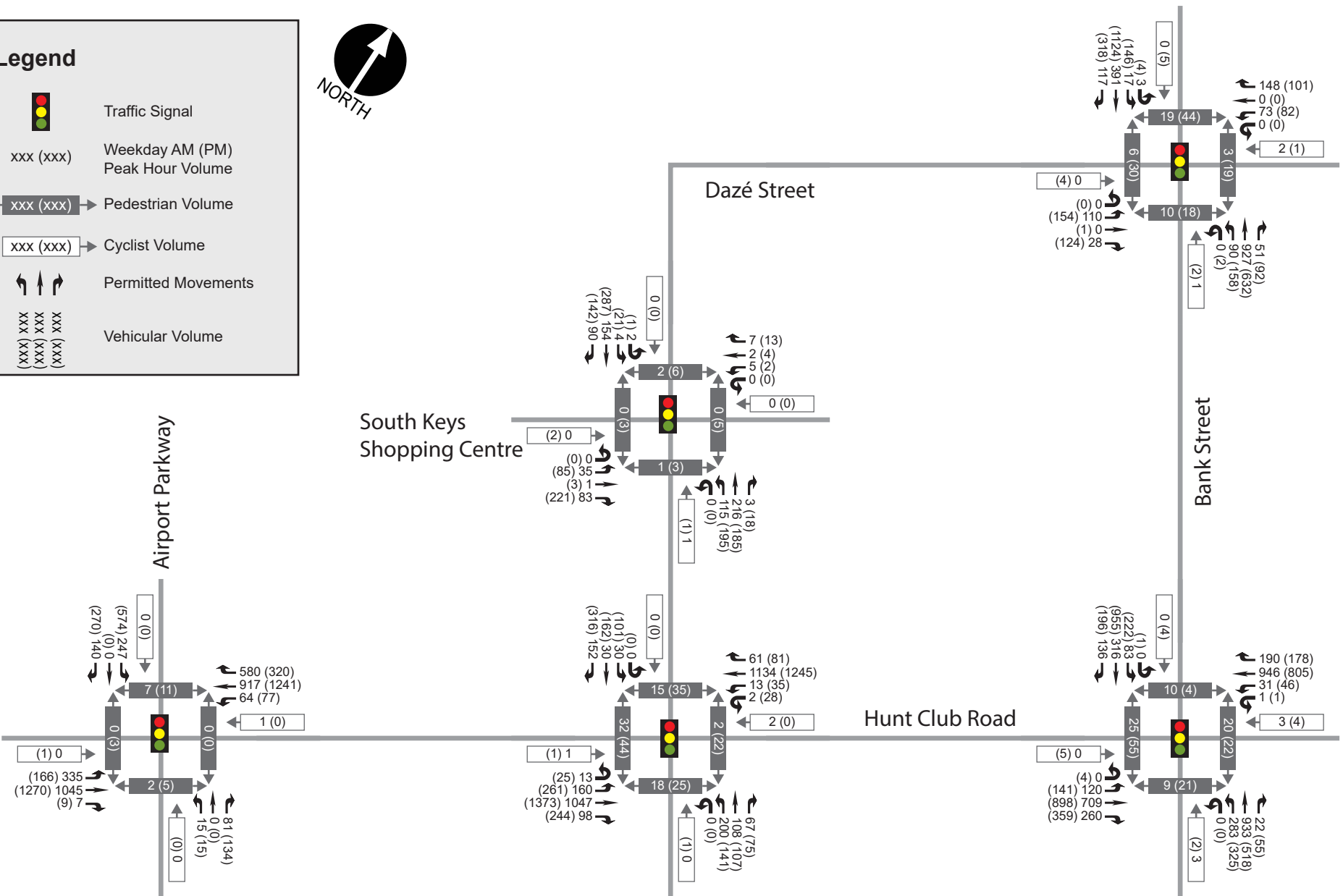
xxx (xxx) → Cyclist Volume

↔ Permitted Movements

xxx (xxx) Vehicular Volume



NORTH



3.2.2 Existing Bicycle and Pedestrian Facilities

Pedestrian facilities are provided on most roads within the context area including concrete sidewalks on both sides of Dazé Street, Hunt Club Road and Bank Street.

There are bicycle lanes provided on Hunt Club Road in both directions throughout the context area as well as on Bank Street travelling south in some sections.

Sawmill Creek Pathway extends north from Hunt Club Road along Airport Parkway and connects to the existing South Keys Station.

3.2.3 Existing Transit Facilities and Service

An existing Bus Rapid Transit (BRT) station is located immediately adjacent to the proposed Phase 1 towers at the northwest corner of the site. This station provides rapid transit connectivity to the city-wide network and is one stop south of the existing O-Train Trillium Line (line 2) terminus.

The following transit routes, operated by OC Transpo, exist within the vicinity of the site:

- **Route #2** provides regular, all-day service between South Keys and Bayview Station and operates on 12-minute headways during peak periods and weekends.
- **Route #6** provides regular, all day service between Greenboro Station and Maple Lane/Springfield on 15-minute headways during peak periods. On weekends service is reduced to 30-minute headways.
- **Route #40** provides regular, all day service between Greenboro Station and St-Laurent Station on 15- to 30- minute headways. On weekends service is reduced to 30-minute headways.
- **Route #90** provides regular, all-day service between Greenboro Station and Hurdman Station on 15-minute headways during peak periods. On weekends service is reduced to 30-minute headways.
- **Route #92** provides regular, all-day service between Greenboro Station and Hurdman Station on 15-minute headways during peak periods and weekends.
- **Route #93** provides regular, all-day service between Greenboro Station and Leitrim Station on 30-minute headways during peak hours and weekends.
- **Route #96** provides regular, all day service from Merivale Mall to Greenboro Station with 60-minute headways and provides service to Hurdman Station in the afternoon peak period with 20-minute headways
- **Route #97** provides regular, all-day service between Airport Stop and Hurdman Station on 30-minute headways during peak periods and weekends. Service to Hurdman station and Rideau Station is also available during the early morning hours.
- **Route #98** provides regular, all-day service between Hurdman Station and near the Hunt Club Road and Hawthorne Road intersection on 30-minute headways during peak periods and weekends.
- **Route #99** provides regular all-day service from Greenboro Station to Barrhaven Centre with 15- and 30-minute headways during peak periods and weekends and provides service to Hurdman Station during weekday morning and afternoon peak periods with 15-minute headways.
- **Route #197** provides regular, all-day service between Greenboro Station and Uplands following a loop that encompasses the EY Centre with 30-minute headways.

- **Route #198** provides service from Greenboro Station to Riverview Station during the peak morning period with 45-minute headways.
- **Route #199** provides weekday peak period service from Hurdman Station to Leikin with 60-minute intervals in the morning peak period.
- **Route #294** provides weekday morning peak service from Findlay Creek/Willowmere to Hurdman Station on 30-minute headways and weekday evening peak service from Hurdman Station to Findlay Creek/Willowmere on 20-minute headways. This route does not provide service on weekends.
- **Route #299** provides weekday peak period service from Hurdman Station to Manotick with 60-minute intervals in the morning peak period.

Transit service maps for the individual routes above are provided in **Appendix D**. Bus stops serving local transit routes are also located within closest proximity to the site at either end of Dazé Street at Bank Street and at Hunt Club Road, as shown in **Figure 1**. It is important to note also that the proposed development is located entirely within a Transit-Oriented Development (TOD) zone, which is defined as being within 600 metre radial distance of a rapid transit station.

Figure 1 - Bus Stops



Source: plan.octranspo.com/plan

3.2.4 Collision History

A review of historical collision data has been undertaken for the boundary streets with the vicinity of the proposed development. The TIA Guidelines require a safety review if at least six collisions for any one movement or of a discernible pattern, over a five-year period have occurred. **Table 2** summarizes all reported collisions between January 1, 2015 and December 31, 2019.

Table 2 – Reported Collisions within Vicinity of Proposed Development

| LOCATION | # OF REPORTED COLLISIONS |
|---|--------------------------|
| INTERSECTIONS | |
| Bank Street & Hunt Club Road | 139 |
| Airport Parkway & Hunt Club Road | 80 |
| Bank Street & Cahill Drive/Dazé Street | 47 |
| Dazé Street & South Keys Shopping Centre | 5 |
| Hunt Club Road & Bridle Path Drive/Dazé Street | 80 |
| SEGMENTS | |
| Dazé Street – 200 W of Bank Street & Bank Street | 3 |
| Dazé Street – Hunt Club Road & 200 W of Bank Street | 7 |

Based on a preliminary review of the collision history within the context area of the site, the above noted intersection and road segments with more than six collisions over the five-year period would require further review in the Analysis component of this report.

Another method of evaluating the relative magnitude of collision frequency at one intersection compared to another is to quantify the average historical number of collisions against the daily volume of traffic entering the intersection. This is commonly expressed in terms of Million Vehicles Entering (MVE) and a rate of greater than 1.0 is considered significant. Daily intersection volumes are based on the Average 24-hour Traffic volumes provided with City turning movement counts.

The above noted intersections are therefore calculated as having average collision frequencies per MVE values:

- Bank Street & Hunt Club Road – 1.48
- Airport Parkway & Hunt Club Road – 0.86
- Bank Street & Cahill Drive/Dazé Street – 0.77
- Dazé Street & South Keys Shopping Centre – 0.24
- Hunt Club Road & Bridle Path Drive/Dazé Street – 0.91

Of the five intersections evaluated above, one has a frequency in excess of 1.0 and may be considered significant. Detailed collision records are provided in **Appendix E**.

3.3 Planned Conditions

3.3.1 Transportation Network

3.3.1.1 Future Road Network Projects

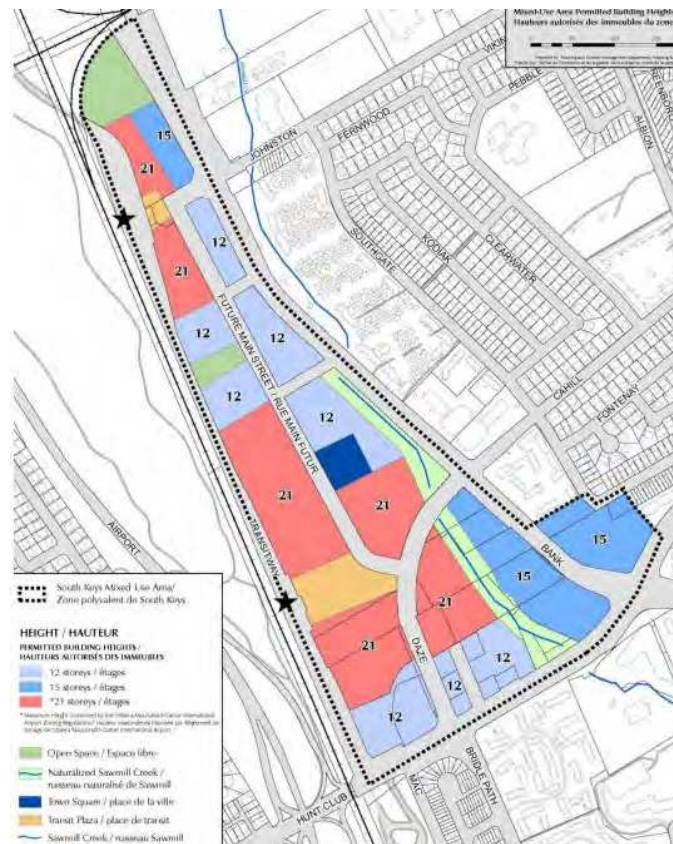
The 2013 Transportation Master Plan (TMP) outlines future road network modifications required in the 2031 'Affordable Network'. A review of the TMP Affordable Plan indicates that there are planned changes to the arterial road network within the broader study area.

The TMP lists several phases in which Airport Parkway is to undergo widening. In Phase 1 (2014-2019) of the TMP, the section of Airport Parkway north of Hunt Club Road was scheduled to be widened and in Phase 3 (2026-2031), the section of Airport Parkway south of Hunt Club Road is scheduled to be widened. No modifications have been made to Airport Parkway within the context area to date.

The 2019 City-Wide Development Charges Background Study (March 2019) lists several scheduled road network projects within the context area. Airport Parkway is set to undergo a realignment south of Hunt Club Road in 2030-2031 and Hunt Club Road is scheduled for work in 2032 from Riverside Drive to Bank Street.

The South Keys to Blossom Park Bank Street Community Design Plan (CDP) (September 2015) also outlines several potential road modifications that would be significant to the context area if they were to occur. These include a possible realignment of Dazé Street that would connect to a new local road, oriented north-south through the South Keys Shopping Centre shown in Figure 2 below.

Figure 2 - Dazé Street Realignment



Source: <https://ottawa.ca/en/south-keys-blossom-park-bank-street-community-design-plan>

3.3.1.2 Future Transit Facilities and Services

The 2013 TMP outlines the future rapid transit and transit priority (RTTP) network. The following project was noted in the 'Affordable RTTP Network' that may have a future impact on study area traffic:

- Stage 2 Light Rail Transit Project O-Train South Extension** – Extension of the Trillium Line from its current terminus at Greenboro Station to Bowesville Station. The *Trillium Line Extension Planning and Environmental Assessment (EA) Study (January 2016)* and the *Trillium Line Light Rail*

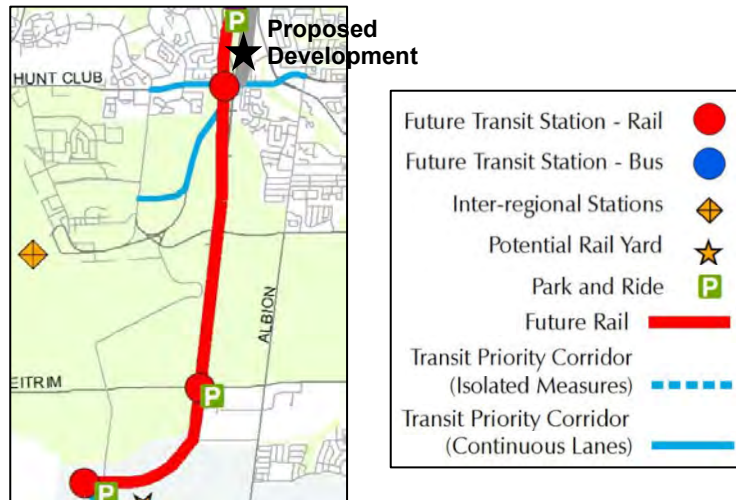


Source: Stage 2 LRT Website

Transit Extension Addendum (September 2018) both expand upon the TMP. The Trillium Line will now extend to Limebank Road with a spur line to the Ottawa International Airport. Based on the official City of Ottawa Stage 2 LRT website, the Trillium Line South Extension is expected to begin revenue service by the end of 2022. This extension will accommodate the planned widening of Airport Parkway and Lester Road and allow for the use of high-capacity transit vehicles. It is understood that the line will have a single-track configuration with segments of twinned track and service will be limited to 12-minute frequency during peak periods. As part of LRT Stage 2, there will be 5 stations located south of the South Keys Station and connections to the BRT network, beyond providing service to/from Barrhaven and Riverside South.

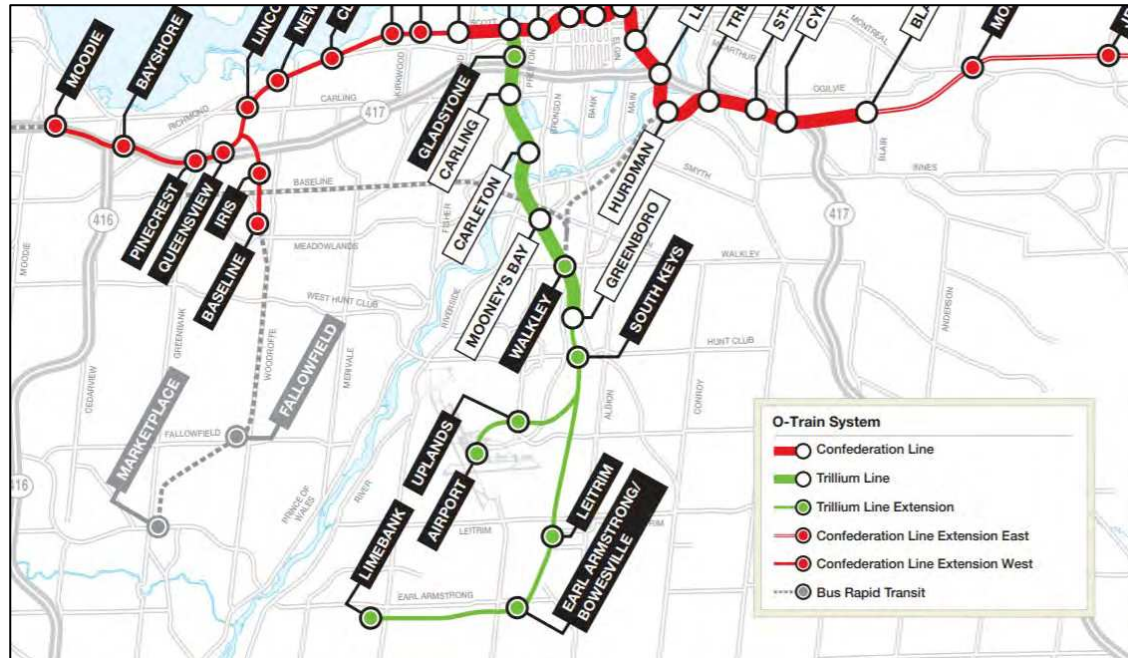
Figure 3 shows the transit infrastructure projects in the vicinity of the proposed development that are part of the TMP's 2031 Affordable Network. **Figure 4** below illustrates the proposed O-Train Trillium Line Extension.

Figure 3 - Future 'Affordable RTTP Network Projects'



Source: 2013 Transportation Master Plan – Map 5 '2031 Affordable Network'

Figure 4 - Stage 2 LRT - Trillium Line Extension



Source: Stage 2 LRT Website – Trillium Line South Highlight Summary

3.3.1.3 Future Cycling and Pedestrian Facilities

The 2013 Ottawa Cycling Plan (OCP) designates Bank Street and Hunt Club Road as 'Spine Routes', which form part of a system linking the commercial, employment, institutional, residential and educational nodes throughout the City of Ottawa. Portions of Airport Parkway are considered both "Spine Routes" and "Major Pathways". As shown in **Figure 5**, Dazé Street is designated as a 'Local Route', providing connections between 'Spine Routes' and 'Major Pathways' that are available on both Hunt Club Road and Bank Street.

The 2031 Affordable Cycling Project List from the OCP mentions the Hunt Club Neighbourhood Bikeway Extension to Airport Parkway Bridge that is included in Phase 2 of the Cycling Plan. This extension of the bikeway will tie into the proposed transit plaza using shared use lanes.

Figure 5 – Cycling Plan – Ultimate Cycling Network



Source: GeoOttawa

At the time of this study, no planned improvements to pedestrian facilities are known for any streets located within the context area.

3.3.2 Future Adjacent Developments

The City of Ottawa Transportation Impact Assessment (TIA) Guidelines specify that all significant developments proposed within the surrounding area which are likely to occur within the study's horizon year must be identified and taken into consideration in the development of future background traffic projections.

All current development applications of significance within the context area have been identified and are summarized in **Table 3** below.

Table 3 – Future Adjacent Developments

| DEVELOPMENT | LAND USE | EXPECTED BUILD-OUT YEAR |
|------------------------|-------------------------|-------------------------|
| 12370 Hunt Club Rental | Residential – 77 units | 2021 |
| 20 Mountain Crescent | Residential – 151 units | 2022 |
| 2425-2431 Bank Street | Residential – 144 units | 2021 |

All known developments of significance in the vicinity of the proposed development that are either in the development application approval process, are in pre-construction or are in varying stages of construction are shown in **Exhibit 6** below.



3.3.3 Network Concept Screenline

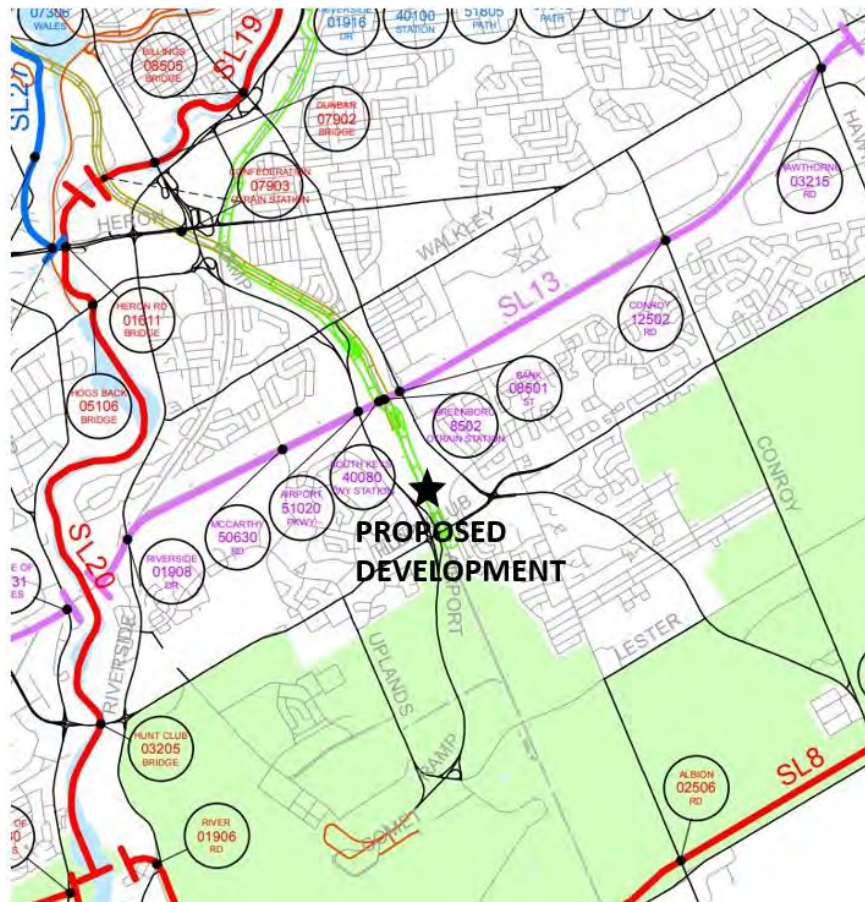
A screenline is an artificial boundary between areas of major traffic generation that captures all significant points of entry from one area to another to compare crossing demand with the available roadway capacity. Screenlines are typically located along geographical barriers such as rivers, rail lines or within the greenbelt. To capture existing flow and model future demand, count stations are established by the City of Ottawa at each crossing point along the screenline.

The nearest strategic planning screenlines adjacent to the development have been identified:

- **SL13 – CNR East** – This is the nearest east/west screenline to the proposed development, and it follows the Canadian National Railroad (CNR) rail line from the Rideau River to the TransCanada Highway. This screenline has six crossing points: Riverside Drive, McCarthy Road, Airport Parkway, Bank Street, Conroy Road and Hawthorne Road.
- **SL20 – Rideau River - South** – This is the nearest north/south screenline to the proposed development, and it follows the Rideau River from Carleton University to Black Rapids Lockstation. This screenline has three crossing points: Hunt Club Bridge, Hogs Back Bridge and Heron Road Bridge.

SL13 and SL20 are shown in **Figure 6**, as determined from the City of Ottawa’s Road Network Development Report (2013), a supporting document to the 2013 Transportation Master Plan (TMP).

Figure 6 - Screenlines



Source: TRANS Screenline System (2010)

3.4 Study Area

With consideration of the information presented thus far, the following intersections have been identified as being most impacted by the proposed development and will be assessed for vehicular capacity as part of this study:

- Bank Street & Hunt Club Road
- Airport Parkway & Hunt Club Road
- Bank Street & Cahill Drive/ Dazé Street
- Dazé Street & South Keys Shopping Centre
- Hunt Club Road & Bridle Path Drive/ Dazé Street
- Proposed Site Access Driveway on Dazé Street

Beyond the bounds of the above noted study area intersections, site-generated traffic impacts are expected to be minimal. Motorists have a variety of options to access the broader arterial road network surrounding the site, resulting in a dispersion of vehicular demand within the periphery of the context area. Furthermore, sustainable transportation modes are expected to represent a significant proportion of the overall site generation due to the proximity of this development to an existing bus rapid transit station that is slated for an upgrade to light rail prior to the proposed development's full build-out.

Multi-Modal Level of Service (MMLOS) will be conducted for all intersections with the exception of the proposed site access driveway which is expected to remain unsignalized. This assumption will be verified during the Analysis component of this study. Segment-based MMLOS analysis will be limited to Dazé Street along the proposed development's frontage.

3.5 Time Periods

As a primarily residential development, traffic generated during the weekday morning and afternoon peak hour is expected to result in the most significant impact to traffic operations on the adjacent road network in terms of combined development-generated and background traffic. These two time periods will therefore be considered for operational analysis in this study.

3.6 Analysis Years

The following analysis years will be assessed in this study:

- Year 2021 – Existing Conditions
- Year 2026 – Phase 1 Occupancy
- Year 2031 – 5 years Beyond Occupancy of Phase 1
- Year 2041 – Full build-out / Occupancy of Phases 1-4 in Master plan

3.7 Exemptions Review

The TIA Guidelines provide exemption considerations for elements of the Design Review and Network Impact components. **Table 4** summarizes the TIA modules that are not applicable to this study.

Table 4 - Exemptions Review

| TIA MODULE | ELEMENT | EXEMPTION CONSIDERATIONS | REQUIRED |
|--------------------------------------|-------------------------------|--|----------|
| DESIGN REVIEW COMPONENT | | | |
| 4.1 Development Design | 4.1.2 Circulation and Access | <ul style="list-style-type: none"> Only required for site plans | ✓ |
| | 4.1.3 New Street Networks | <ul style="list-style-type: none"> Only required for plans of subdivision | ✗ |
| 4.2 Parking | 4.2.1 Parking Supply | <ul style="list-style-type: none"> Only required for site plans | ✓ |
| | 4.2.2 Spillover Parking | <ul style="list-style-type: none"> Only required for site plans where parking supply is 15% below unconstrained demand | ✗ |
| NETWORK IMPACT COMPONENT | | | |
| 4.5 Transportation Demand Management | All Elements | <ul style="list-style-type: none"> Not required for site plans expected to have fewer than 60 employees and/or students on location at any given time | ✓ |
| 4.6 Neighbourhood Traffic Management | 4.6.1 Adjacent Neighbourhoods | <ul style="list-style-type: none"> Only required when the development relies on local or collector streets for access and total volumes exceed ATM capacity thresholds | ✓ |
| 4.8 Network Concept | n/a | <ul style="list-style-type: none"> Only required when proposed development generates more than 200 person-trips during the peak hour in excess of the equivalent volume permitted by established zoning | ✓ |

4 Forecasting

4.1 Development Generated Traffic

4.1.1 Trip Generation Methodology

Peak hour site-generated traffic volumes were developed using the 2020 TRANS Trip Generation Manual Summary Report. The TRANS trip generation rates are based on findings from three sources: 49 local generator surveys, the 2011 TRANS Origin-Destination (OD) Survey and the ITE Trip Generation Manual (10th Edition).

There are specified person-trip rates for three primary residential land use categories in the 2020 TRANS Trip Generation Summary Report and a specific person-trip conversion factor to allow for other vehicle-trip rates to be used from the ITE Trip Generation Manual for non-residential land uses. The specified residential rates are applied for either the peak AM or PM period.

The person-trips were then subdivided based on representative mode share distributions applicable to the study area to determine the number of auto driver, auto passenger, transit, pedestrian and cycling trip types. A conversion factor is applied to determine the peak AM or PM hour person-trips.

Estimated mode share distributions for existing conditions representing 26 districts in the Ottawa-Gatineau area were developed using the 2011 O-D Survey. They are available for several land uses including residential, schools, employment generators and commercial generators. As the 2011 O-D Survey data considers a large geographical area, it likely represents a larger share of auto driver trips than would be expected for a development directly adjacent to a rapid transit station.

4.1.2 Trip Generation Results

4.1.2.1 Peak Period Person-Trip Generation

Peak period person-trip volumes associated with the South Keys Phase 1 High-Rise development were derived using the peak period trip generation rates in the 2020 TRANS Trip Generation Summary Report.

The ground floor commercial area included in the proposed development is not explicitly accounted for in the trip generation due to its small footprint and, by extension, the low number of trips that these uses would be expected to generate which would have negligible traffic impacts on the study area intersections. This will be explained in more detail in Section 4.1.2.5 of this report. The peak period person-trip generation results for the proposed development have been summarized in **Table 5**. Relevant sections of the 2020 TRANS Trip Generation Manual can be found in **Appendix F**.

Table 5 – Peak Period Person-Trip Generation Results

| LAND USE | SIZE | PERIOD | GENERATED TRIPS | | |
|---|-------------|--------|-----------------|-----|-------|
| | | | IN | OUT | TOTAL |
| Multi-Unit (High-Rise) Residential – Phase 1 | 481 units | AM | 119 | 266 | 385 |
| | | PM | 251 | 182 | 433 |
| Multi-Unit (High-Rise) Residential – Phases 1-4 | 1,710 units | AM | 424 | 944 | 1368 |
| | | PM | 893 | 646 | 1539 |

4.1.2.2 Mode Share Proportions

The 2020 TRANS Trip Generation Summary Report details existing mode share distributions for several residential land uses for both weekday AM and PM peak hour periods. These are provided from the 2011 TRANS OD Survey and are representative of the area within the Hunt Club Traffic Assessment Zone (TAZ). The data used to determine these distributions includes only the outbound trips for the AM peak period and only the inbound trips for the PM peak period to ensure that only the residential trips are being represented by the mode share proportions.

Relevant extracts from the 2011 O-D Survey are provided in **Appendix F**.

Mode share targets for the 2026 and 2031 analysis years were developed using the existing mode share distributions in conjunction with influencing factors and other recent studies completed in the area. The City of Ottawa typically cites 65% as the target mode share for Transit Oriented Development (TOD) zones. As the proposed development will be located in an area with a limited range of services beyond retail land uses, a lower (12-minute) transit frequency on the Trillium Line as compared to TOD zones along the Confederation line, and a marketable need for on-site parking (0.6 spaces per unit), a reduced transit mode share target of 50% has been assumed for this study and can be considered realistic for this site while providing a more conservative assessment of traffic impacts within the study area. Transit mode share for the analysis years in this study have been linearly interpolated, resulting in a target of 45% by 2026 and 50% by 2031. The linear increase in the transit mode share is consistent with the assumptions made in the recently completed 20 Mountain Crescent TIA which has a similar study area and scope. The mode share distribution for 2041 is assumed to be the same as the 2031 targets.

It has been assumed that any growth in transit mode share would result in a corresponding decrease in auto driver and auto passenger mode share and that all other mode shares would remain constant through to 2031. **Table 6** summarizes the 2020 TRANS mode share distributions as well as the 2026, 2031 and 2041 target mode share distributions.

Table 6 – 2020 TRANS Mode Shares and Proposed Mode Share Targets

| TRAVEL MODE | 2020 TRANS MODE SHARE TARGETS | | 2026 MODE SHARE TARGETS | 2031 MODE SHARE TARGETS | 2041 MODE SHARE TARGETS |
|----------------|-------------------------------|-----|-------------------------|-------------------------|-------------------------|
| | AM | PM | | | |
| Auto Driver | 39% | 44% | 35% | 31% | 31% |
| Auto Passenger | 6% | 11% | 9% | 8% | 8% |
| Transit | 44% | 35% | 45% | 50% | 50% |
| Cycling | 1% | 2% | 2% | 2% | 2% |
| Walking | 9% | 9% | 9% | 9% | 9% |

4.1.2.3 Trip Generation by Mode

The 2026 and 2031 mode share targets (**Table 6**) were applied to the number of development-generated person-trips to determine the number of trips per travel mode for the peak periods, as summarized in **Table 7**.

Table 7 – Peak Period Person-Trips by Mode

| MODE | 2026 | | | | 2031 | | | | 2041 | | | |
|----------------|------------|-----|------------|-----|------------|-----|------------|-----|-------------|-----|-------------|-----|
| | AM | | PM | | AM | | PM | | AM | | PM | |
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| Auto Driver | 42 | 93 | 88 | 64 | 37 | 82 | 78 | 56 | 131 | 293 | 277 | 200 |
| Auto Passenger | 11 | 24 | 23 | 16 | 10 | 21 | 20 | 15 | 34 | 76 | 71 | 52 |
| Transit | 54 | 119 | 113 | 82 | 60 | 133 | 126 | 91 | 212 | 472 | 446 | 323 |
| Cycling | 2 | 5 | 5 | 4 | 2 | 5 | 5 | 4 | 8 | 19 | 18 | 13 |
| Walking | 11 | 24 | 23 | 16 | 11 | 24 | 23 | 16 | 38 | 85 | 80 | 58 |
| Total | 385 | | 434 | | 385 | | 434 | | 1368 | | 1538 | |

4.1.2.4 Peak Hour Trip Generation

The peak period to peak hour conversion factors for TRANS trip generation rates vary by trip type and are applied to the peak period trips resulting from the mode share distribution.

The results after applying the appropriate conversion factors have been summarized in **Table 8**.

Table 8 – Peak Hour Person-Trips by Mode

| MODE | 2026 | | | | 2031 | | | | 2041 | | | |
|----------------|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|------------|-----|
| | AM | | PM | | AM | | PM | | AM | | PM | |
| | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT | IN | OUT |
| Auto Driver | 20 | 45 | 39 | 28 | 18 | 39 | 34 | 25 | 63 | 140 | 122 | 88 |
| Auto Passenger | 5 | 11 | 10 | 7 | 5 | 10 | 9 | 6 | 16 | 36 | 31 | 23 |
| Transit | 30 | 66 | 53 | 38 | 32 | 73 | 59 | 43 | 117 | 260 | 210 | 152 |
| Cycling | 1 | 3 | 2 | 2 | 1 | 3 | 2 | 2 | 5 | 11 | 9 | 6 |
| Walking | 6 | 14 | 12 | 9 | 6 | 14 | 12 | 9 | 22 | 49 | 42 | 30 |
| Total | 201 | | 200 | | 201 | | 200 | | 720 | | 712 | |

4.1.2.5 Trip Reduction Factors

Deduction of Existing Development Trips

Phase 1 of the proposed development will replace an existing commercial area made up of two vacant and one occupied commercial retail units. The occupied retail unit has a total area of 455 m² (4,900 ft²) which is associated with a total of just 6 two-way vehicle trips according to ITE trip rates for the “Shopping Centre” land use, and therefore the downstream impact of the deduction of these trips will have a negligible effect on the study area intersections.

By 2041, it is expected that the movie theatre and restaurant located within the subject lands will be replaced by Phases 2 to 4 of the Master Plan. The person trips associated with each land use were developed using ITE trip generation rates and appropriate conversion factors. The 2041 mode share targets outlined in **Table 6** were used to split the person trips into the appropriate modes. The total vehicle trips after the mode share associated with the movie theatre and the restaurant are shown in **Table 9**. These trips are to be deducted with the full Phases 1-4 buildout in 2041.

Table 9 - Existing Development Generated Vehicle Trips

| LAND USE | SIZE | PERIOD | GENERATED VEHICLE TRIPS | | |
|---|------------------------|--------|-------------------------|-----|-------|
| | | | IN | OUT | TOTAL |
| Shopping Centre (Movie Theatre) 820 | 40,000 ft ² | AM | 7 | 7 | 14 |
| | | PM | 30 | 30 | 60 |
| Restaurant 931 | 6,160 ft ² | AM | 1 | 1 | 2 |
| | | PM | 13 | 6 | 19 |

The existing development generated trips presented in **Table 9** above were deducted from the adjacent road network based on existing traffic patterns derived from weekday peak hour traffic count data at each of the study area intersections.

Pass-by Traffic

Not Applicable - The residential land use for the proposed development does not generate pass-by trips, therefore the trip reduction factor is not applicable for this land use type.

Synergy/ Internalization

Not Applicable - The residential land use for the proposed development does not require internalization reduction factors. Internalization between the proposed Phase 1 development and existing on-site commercial land uses can be considered negligible.

4.1.3 Trip Distribution and Assignment

Trips generated by the proposed development were distributed to the adjacent road network, as shown below. Site-generated traffic was assigned to the adjacent road network based on the morning peak period commuter travel patterns for the Hunt Club Traffic Assessment Zone (TAZ) from the 2011 TRANS Origin-Destination Survey as well as the distribution of relevant employment nodes throughout the City.

- 50% to/from North
 - 60% on Airport Parkway
 - 40% on Bank Street
- 15% to/from South
 - 50% on Bank Street
 - 25% on Airport Parkway
 - 25% on Albion Road (via Bridle Path Drive)
- 15% to/from East
 - 60% on Hunt Club Road
 - 40% on Walkley Road (via Bank Street)
- 20% to/from West
 - 100% on Hunt Club Road

Utilizing the estimated number of new auto trips and applying the above distribution, future site-generated traffic volumes for the 2026 and 2031 analysis years are illustrated for each of the study area intersections in **Exhibit 7** and **Exhibit 8**, respectively. The future site-generated traffic volumes for the full Phases 1-4 build-out year, 2041, can be found in **Exhibit 9**.



Legend



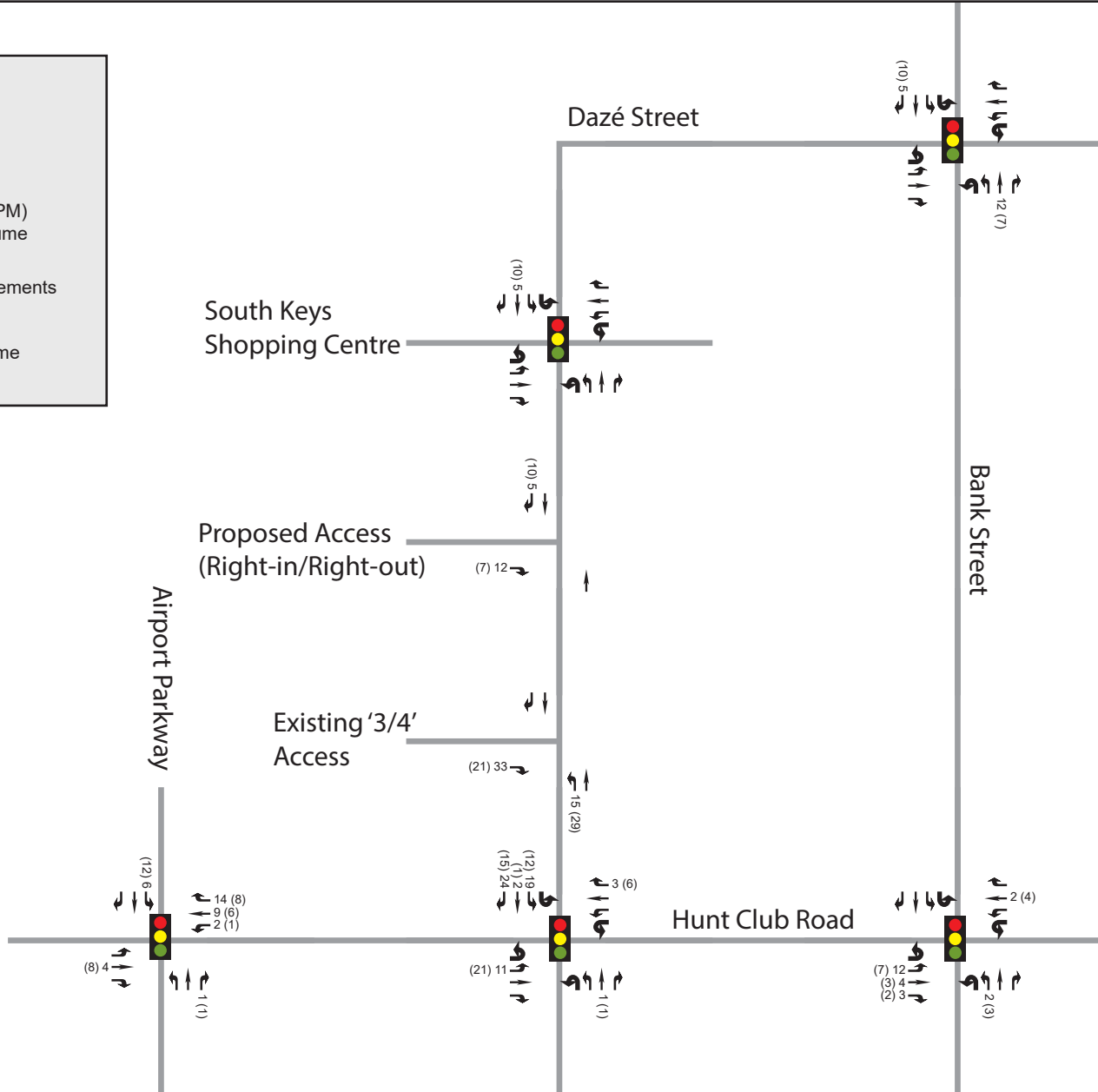
Traffic Signal

xxx (xxx)
Weekday AM (PM)
Peak Hour Volume



Permitted Movements

xxx (xxx) xxx (xxx)
Vehicular Volume

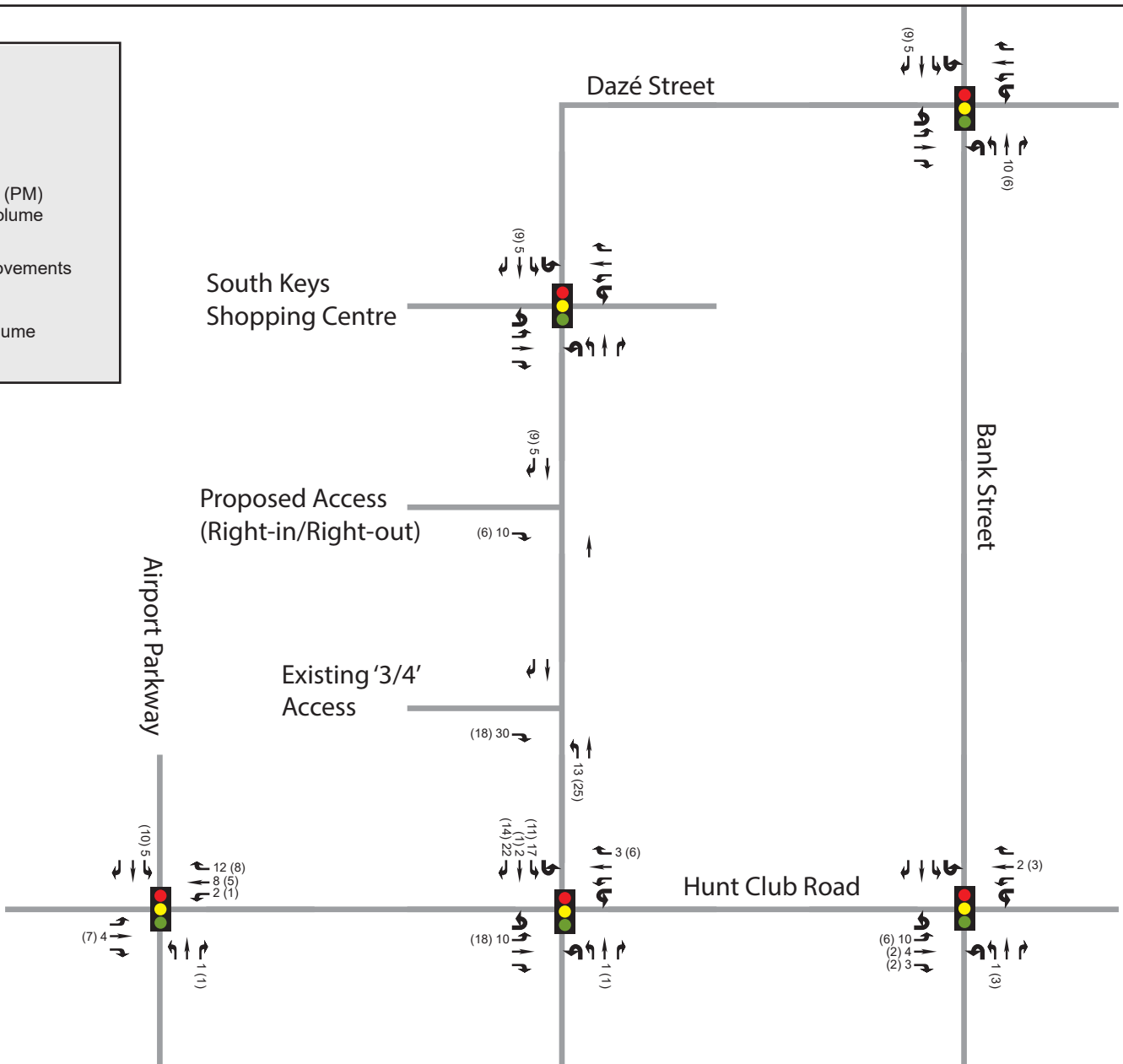




Legend

- Traffic Signal
- xxx (xxx) Weekday AM (PM) Peak Hour Volume
- Permitted Movements
- | | | | |
|-----|-----|-----|-----|
| xxx | xxx | xxx | xxx |
| xxx | xxx | xxx | xxx |
| xxx | xxx | xxx | xxx |

 Vehicular Volume





Legend



Traffic Signal

xxx (xxx)

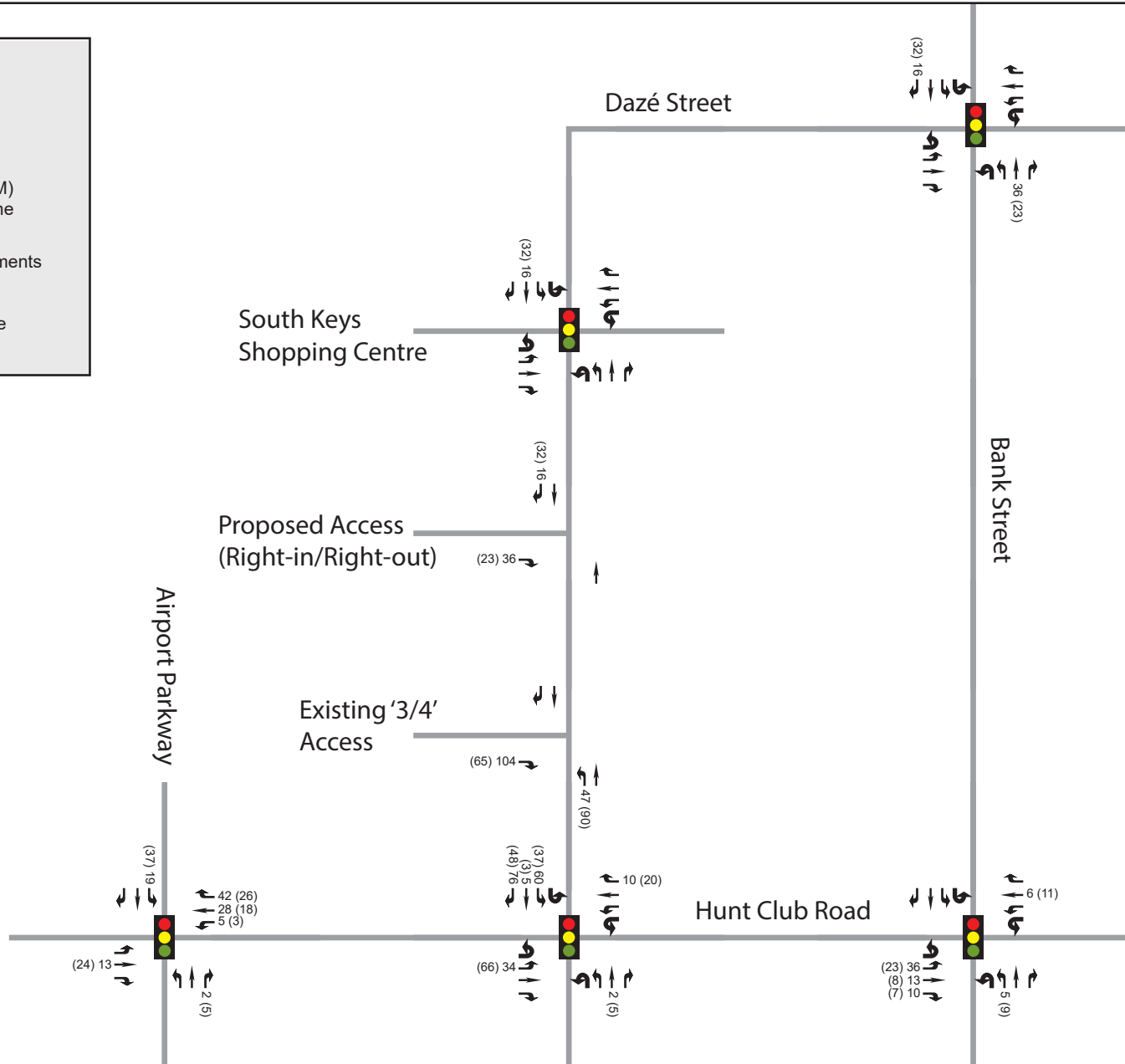
Weekday AM (PM)
Peak Hour Volume



Permitted Movements

xxx
(xxx)
xxx
(xxx)
xxx
(xxx)

Vehicular Volume



4.2 Background Network Traffic

4.2.1 Changes to the Background Transportation Network

To properly assess future traffic conditions, planned modifications to the transportation network that may impact travel patterns or demand within the study area must be considered. The scoping section of this TIA reviewed the anticipated network modifications within the study area and determined that the most notable network changes planned within the vicinity of the site are the widening of the Airport Parkway from two to four lanes, the implementation of bus lanes on Hunt Club Road between Uplands Drive and Albion Road South, and the Trillium Line extension.

As part of Stage 2 of the Ottawa LRT construction, South Keys Station will be converted from only Bus Rapid Transit (BRT) to Light Rail Transit (LRT) in parallel with BRT and is expected to greatly improve transit service as a result.

4.2.2 General Background Growth Rates

The background growth rate is intended to represent regional growth from outside the study area that will travel along the adjacent road network. Consistent with the adjacent development studies conducted with similar study areas, a 0.5% rate of linear growth per annum was applied to through movements on Bank Street, the Airport Parkway and Hunt Club Road within the study area for the calculation of future background traffic. The background growth rate was also applied to all movements at arterial-to-arterial intersections.

4.2.3 Other Area Development

Background traffic volume projections for this study area were refined to include the relevant adjacent developments that were discussed previously in this report. All developments were assumed to be fully built-out and operational by the 2026 analysis year. The future background traffic volumes for the study area are shown in **Exhibit 10**, **Exhibit 11** and **Exhibit 12** in Section 4.4.1.

4.3 Demand Rationalization

The purpose of this section is to rationalize future travel demands within the study area to account for potential capacity limitations in the transportation network and its ability to effectively accommodate the additional demand generated by a new development.

4.3.1 Description of Capacity Issues

4.3.1.1 Bank Street/Hunt Club Road

The Bank Street and Hunt Club Road intersection is identified as having capacity issues within two of the adjacent development TIAs. An optimized signal timing plan is recommended to ensure the intersection is operating at the best possible LOS. As indicated previously, the impacts of site-generated traffic is not expected to be significant at this intersection given the relative magnitude of the proposed development.

4.3.2 Adjustment to Development Generated Demands

Development-generated demands were determined based on data from the 2020 TRANS Trip Generation Manual and on travel patterns for the Hunt Club TAZ in the O-D Survey. The combined impact of the Trillium Line extension and of the other notable network changes on existing traffic volumes is accounted for in the adjustments made to the mode share targets for each analysis

year. As indicated previously, the impacts of site-generated traffic are not expected to be significant at this intersection given the relative magnitude of the proposed development.

4.3.3 Adjustment to Background Network Demands

As prescribed in the TIA Guidelines, the effects of peak-hour spreading have been considered in future analysis years of this study. It is anticipated that as traffic volumes continue to gradually increase, trips will have a natural tendency to be more evenly distributed across the peak hour (PHF = 1.0) and eventually increase demands in the shoulders of the peak as well. The impacts of peak hour spreading are accounted for in the Synchro modelling, completed as part of the Analysis component of this study.

As there are identified capacity issues present at the Bank & Hunt Club intersection, changes to the signal timing plan at this intersection may be required to ensure it is operating at peak efficiency.

4.4 Traffic Volume Summary

4.4.1 Future Background Traffic Volumes

Future background traffic volumes were derived by applying a growth rate to existing traffic and superimposing these volumes with future adjacent development volumes.

Exhibit 10, Exhibit 11 and **Exhibit 12** below present the future background traffic volumes anticipated for the 2026, 2031 and 2041 analysis years, respectively.



Legend



Traffic Signal

xxx (xxx)

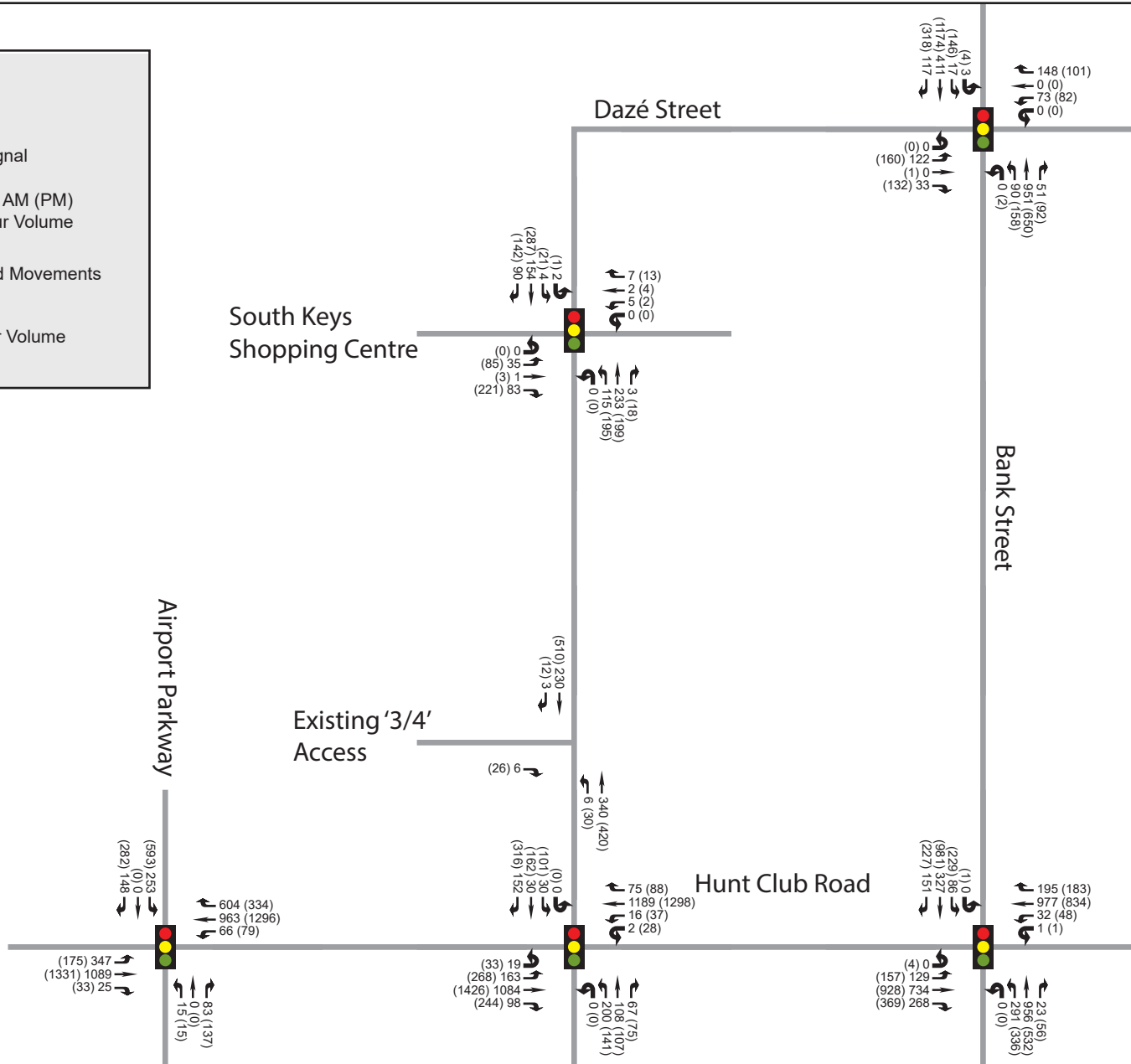
Weekday AM (PM)
Peak Hour Volume



Permitted Movements

xxx (xxx)
xxx (xxx)
xxx (xxx)

Vehicular Volume





Legend



Traffic Signal

xxx (xxx)

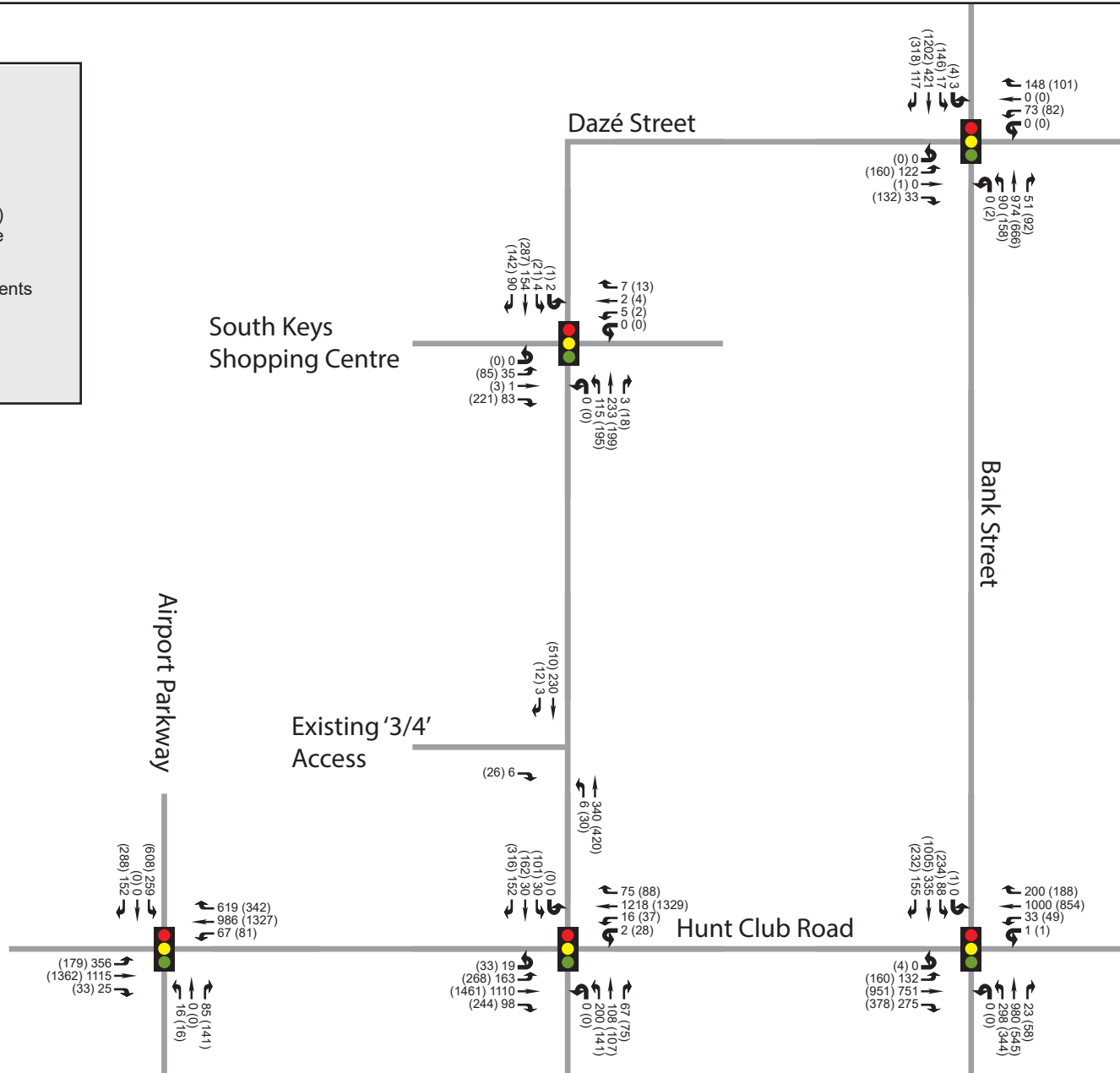
Weekday AM (PM)
Peak Hour Volume



Permitted Movements

xxx (xxx)
xxx (xxx)
xxx (xxx)

Vehicular Volume





Legend



Traffic Signal

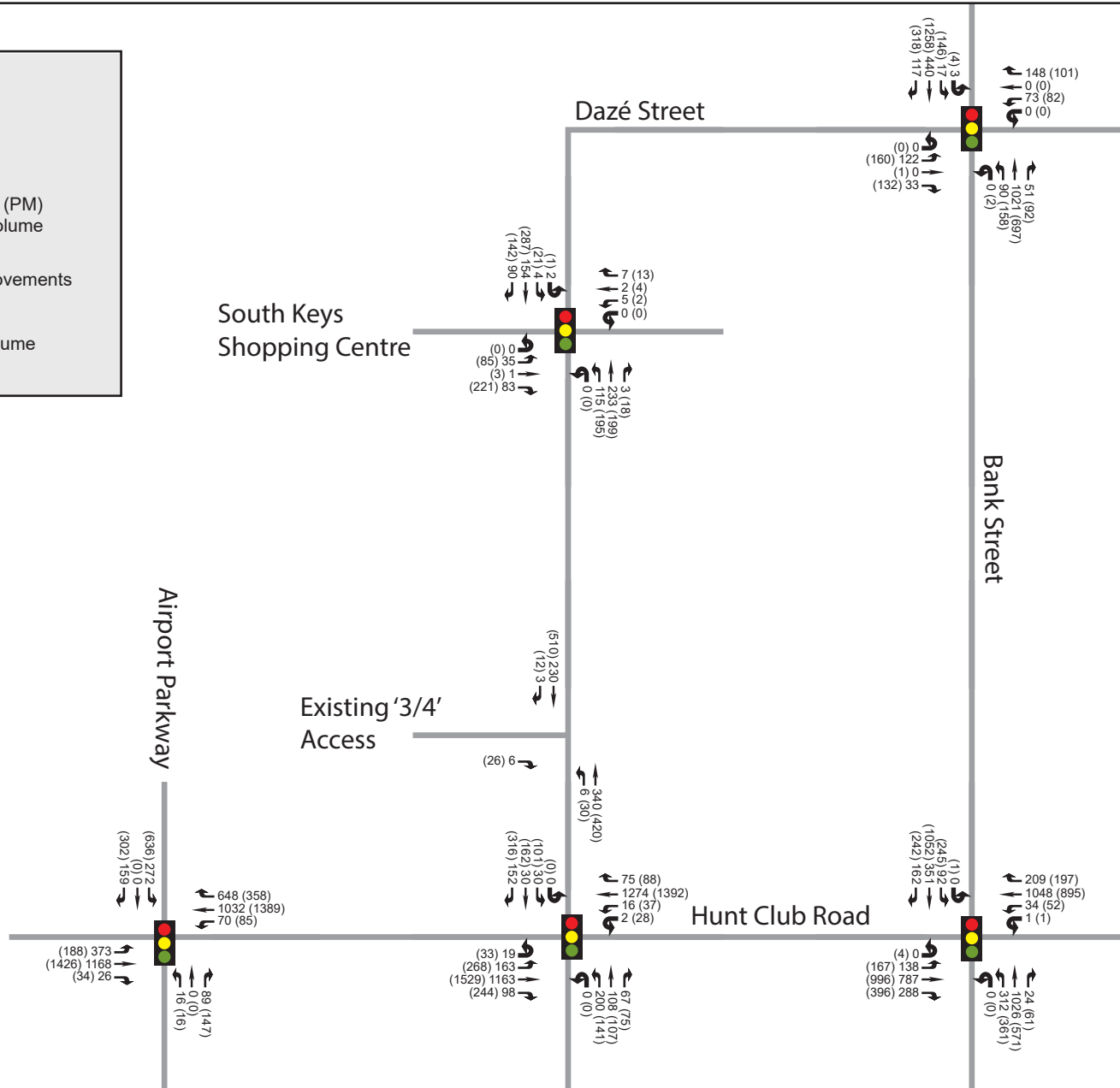
xxx (xxx)
Weekday AM (PM)
Peak Hour Volume



Permitted Movements



Vehicular Volume



4.4.2 Future Total Traffic Volumes

As discussed previously, the 2026 and 2031 analysis years for this study were selected based on the year of Phase 1 occupancy and a 5-year horizon after occupancy. The year 2041 is also included as the build-out year for Phases 1-4 of the new development. For the 2041 analysis year, the number of vehicle trips associated with the existing movie theatre and restaurant were deducted from the background traffic as the new development will replace these existing uses.

Exhibit 13, Exhibit 14 and **Exhibit 15** present the Future (2026), Future (2031) and Future (2041) Total Traffic Volumes, respectively.



Legend



Traffic Signal

xxx (xxx)

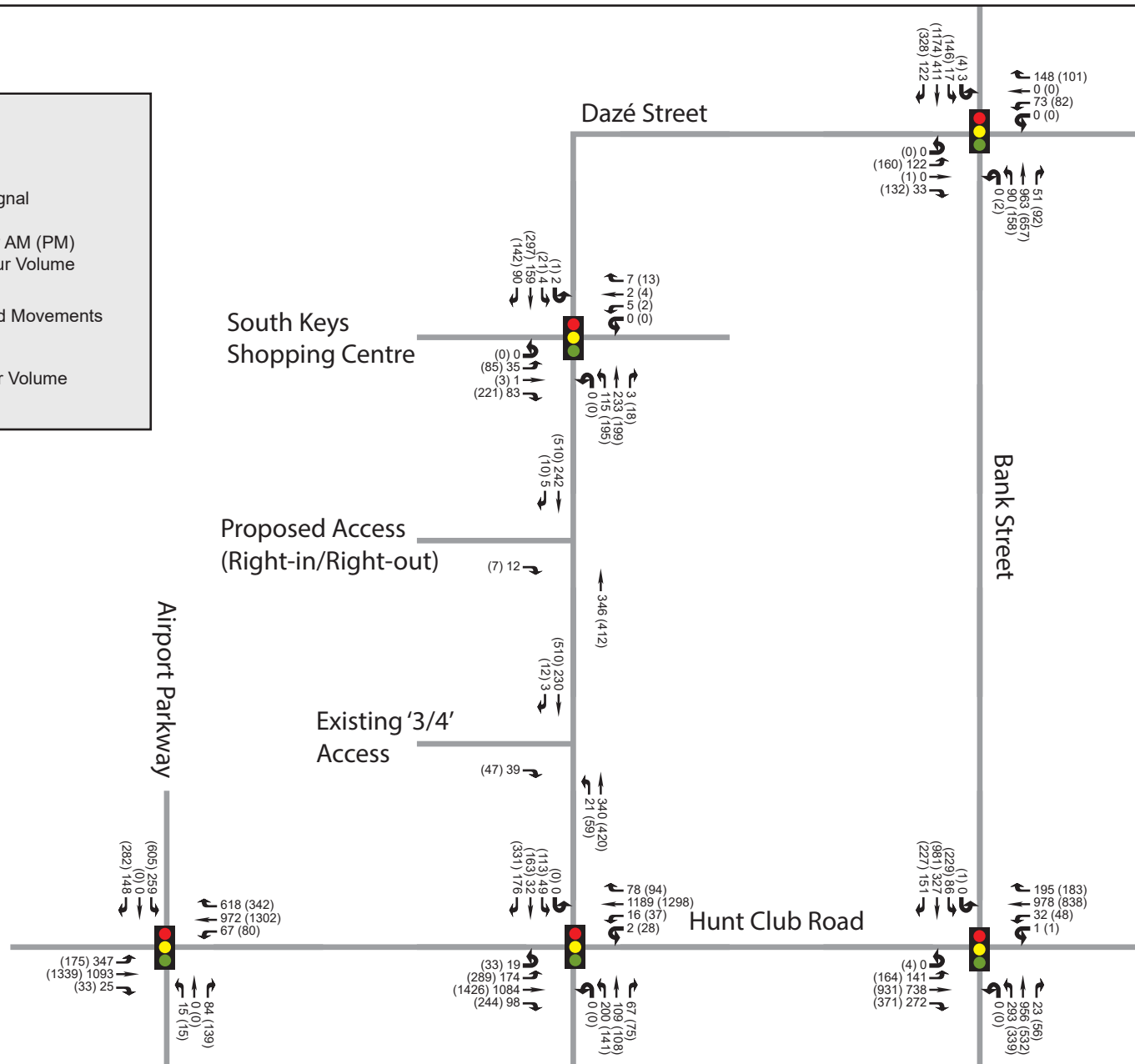
Weekday AM (PM)
Peak Hour Volume



Permitted Movements

xxx (xxx)
xxx (xxx)
xxx (xxx)

Vehicular Volume





Legend



Traffic Signal

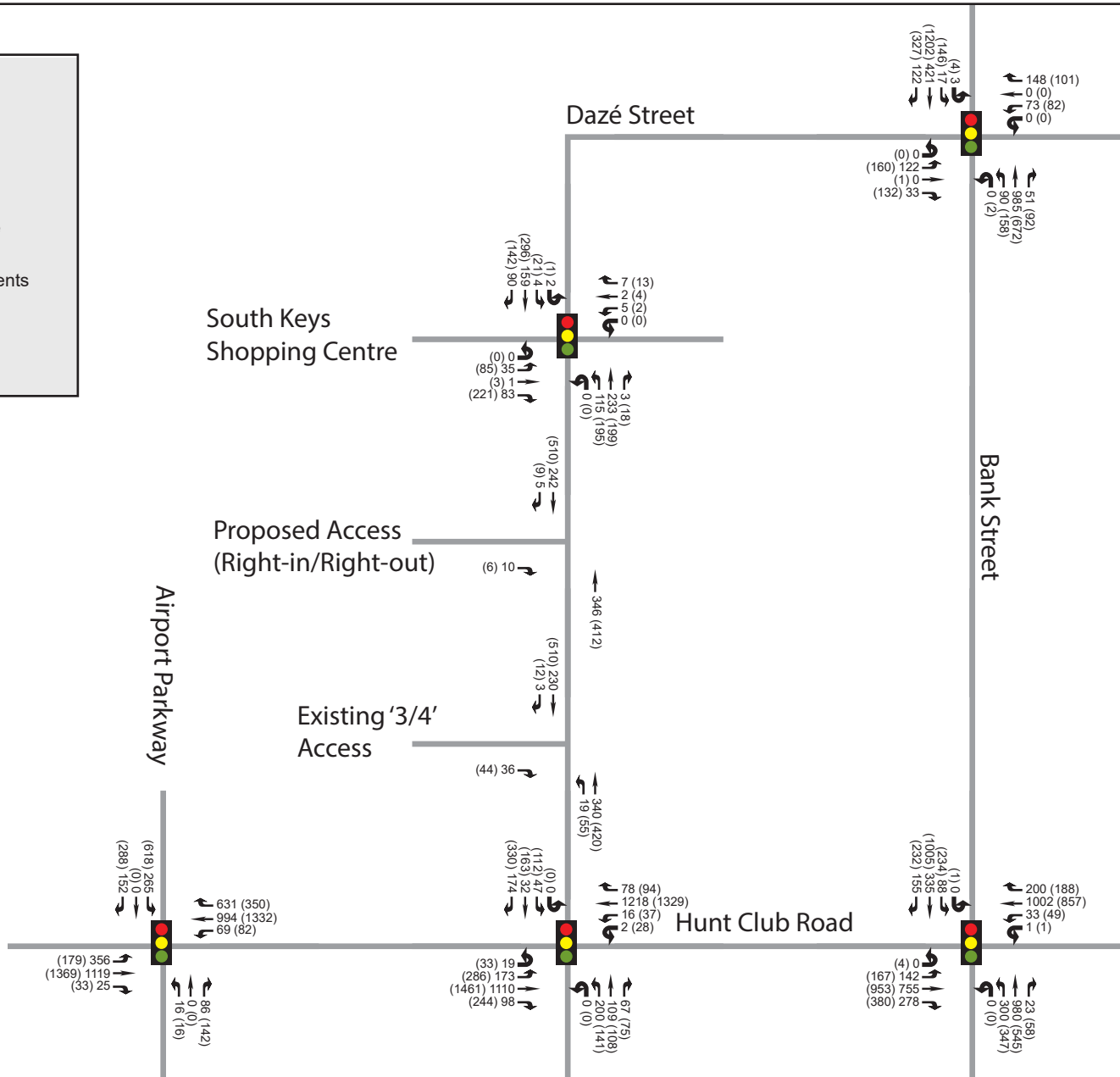
xxx (xxx)
Weekday AM (PM)
Peak Hour Volume



Permitted Movements



xxxx (xxx)
xxxx (xxx)
xxxx (xxx)
Vehicular Volume

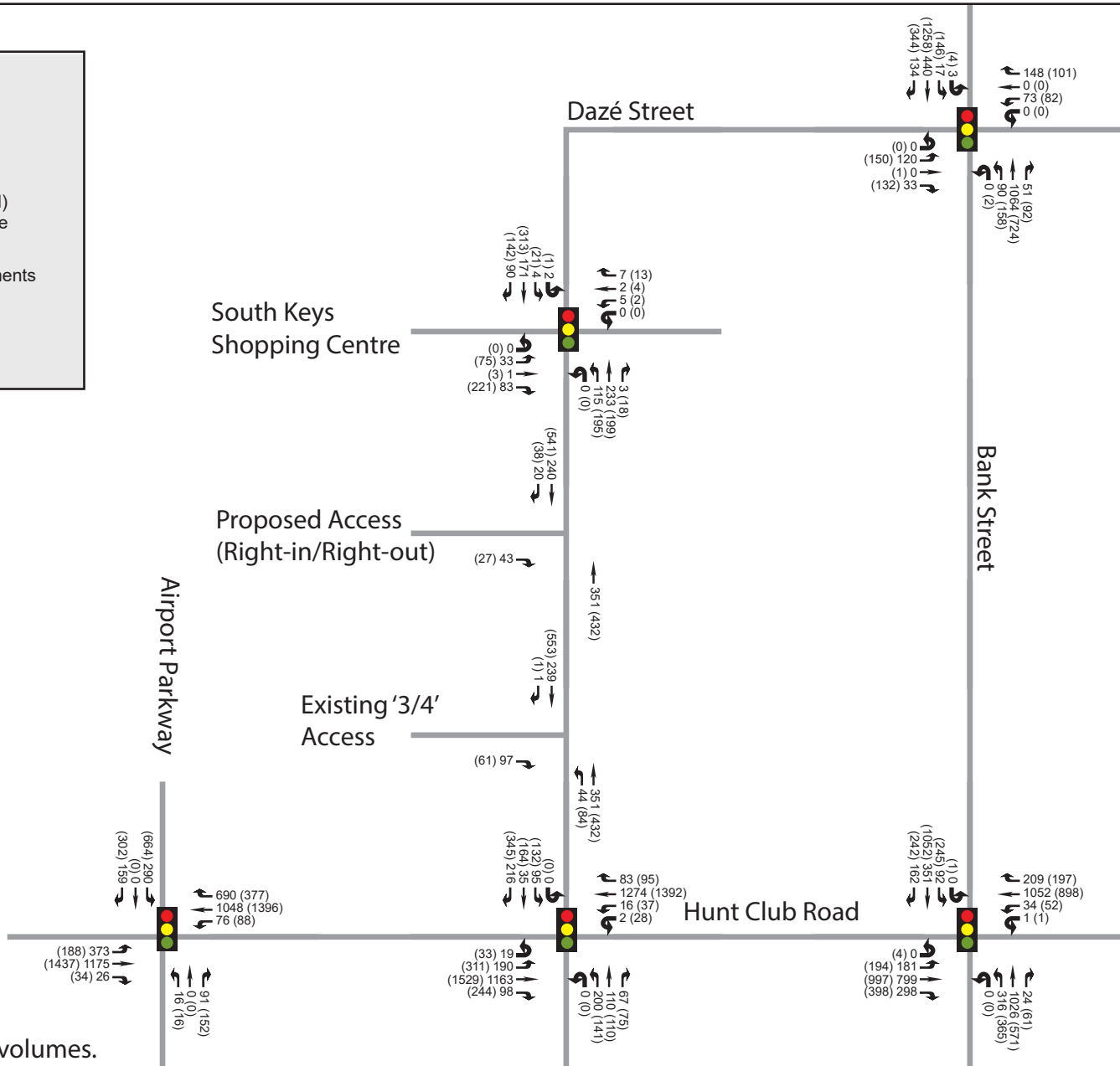
Vehicular Volume





Legend

-  Traffic Signal
- xxx (xxx) Weekday AM (PM) Peak Hour Volume
-  Permitted Movements
- xxx (xxx) Vehicular Volume



Note: * represents nominal volumes.

5 Analysis

5.1 Development Design

5.1.1 Design for Sustainable Modes

For consistency with the City of Ottawa’s Urban Design Guidelines and transportation policies, new developments shall provide safe and efficient access for all users, while creating an environment that encourages walking, cycling and transit use.

The proposed development is located within an existing Transit-Oriented Development (TOD) zone and immediately adjacent to the South Keys Transitway Station, which is planned to incorporate LRT service in tandem with its existing BRT service by the end of 2022. This high-density residential development is well suited in this context, given its proximity to high quality transit service and the numerous amenities offered at South Keys Shopping Centre. The development conforms to city policies that encourage dense development within TOD zones.

A Transit Plaza is located immediately adjacent to the site which provides direct access to South Keys Station from both the site and Dazé Street. This plaza will allow residents to access the BRT and LRT services available at the station with a walking distance of approximately 170 metres from the center of the proposed development.

As indicated previously in **Exhibit 3**, concrete sidewalks are located throughout the proposed development with convenient connections to Dazé Street and the adjacent Transit Plaza.

The above design and infrastructure elements contribute to a development that significantly reduces dependence on private automobile usage by integrating well with the existing and proposed sustainable transportation infrastructure.

The TDM-Supportive Development Design and Infrastructure Checklist was completed and is provided in **Appendix G**. This checklist identifies anticipated measures that are being considered in association with the proposed development to offset the vehicular impact on the adjacent road network. Some notable measures are listed below:

- Providing direct pedestrian access to the buildings to and from the public sidewalks along with the Transit Plaza;
- Designing access and circulation roads for cycling use with a target operating speed of no more than 30km/h;
- Providing secure bicycle parking spaces equivalent to at least the number of units as well as a permanent bike repair station with commonly used tools; and
- Providing separate areas for short-term and long-term parking to permit access controls and simplify enforcement.

5.1.2 Circulation and Access

All site-generated traffic will access the proposed development via two access driveways on Dazé Street: one proposed right-in/right-out driveway and one existing ‘3/4 access’ driveway. These driveways will provide access to all four proposed phases and the podium parking at the base of each one with a maximum 6.7m drive aisle for the parking garage driveways. All access driveways and drive aisles will have the minimum required width of 6.0m. There is a turn-around circle in the southeast corner of the site to allow for vehicles to circulate through the site without requiring access to the parking garages.

A swept-path analysis was undertaken which confirms the ability of the three design vehicles including the delivery truck, fire truck and a front-loading waste collection vehicle to access the

site, circulate within the internal drive aisle and egress back onto Dazé Street. Swept path analyses for each design vehicle can be found in **Appendix H**.

5.1.3 New Street Networks

The New Street Networks element is exempt from this TIA, as defined in the study scope. This element is not required for Site Plan applications. It should be noted, however, that the internal private streets have been designed with City-standard cross-section elements, including 2.0m sidewalks, 7.0m pavement width offering two 3.5m lanes, as well as on-street parking bays and street trees. The road network layout has been designed for potential expansion as adjacent lands are redeveloped.

5.2 Parking

5.2.1 Parking Supply

Based on the location and size of the proposed development, the Zoning Bylaw requirements for visitor parking are a minimum of 0.1 spaces per unit beyond the first twelve units and a maximum of 1.75 spaces per unit, as the proposed development is within Area 'Z'. The parking ratio for residents will be 0.64 spaces/unit. Phase 1 of the proposed Master Plan includes a total of 284 parking spaces within the podium levels of the development, including the maximum permitted 30 parking spaces for visitors. In addition to this, 94 surface parking spaces will be retained for the existing restaurant and 126 surface spaces retained for the movie theatre. Therefore, the proposed parking supply is within the permissible range.

According to the bylaw, the proposed development must provide a minimum of 0.5 spaces per unit for bicycle parking. The proposed parking supply in Phase 1 will meet this minimum requirement.

5.2.2 Spillover Parking

The proposed development is expected to provide a sufficient supply of on-site parking to meet the market demand while acknowledging the proximity to rapid transit. No spillover parking demand is expected and rates will be refined for subsequent phases.

5.3 Boundary Streets

The proposed development is located adjacent to only one boundary street: Dazé Street.

5.3.1 Mobility

Segment-based Multi-Modal Level of Service (MMLOS) results for the portion of Dazé Street adjacent to the site are provided in **Table 10** below. Details of the segment-based MMLOS analysis are provided in **Appendix H**.

Table 10 - Segment-based MMLOS Results

| LOCATION | LEVEL OF SERVICE BY MODE | | | |
|----------------------------|--------------------------|-------------------------|-------------------|-------------------------|
| | PEDESTRIAN (PLOS) | BICYCLE (BLOS) | TRANSIT (TLOS) | TRUCK (TkLOS) |
| Existing Conditions | | | | |
| Dazé Street ¹ | E (Target: A) | E (Target: B) | N/A ² | A (Target: A) |

Notes:

¹ – It is assumed the road cross-section for Dazé Street does not change under Existing and Future conditions.

² – There is no existing or known future transit service proposed on Dazé Street adjacent to the site.

The results of the Segment-based MMLOS indicate that Dazé Street does not currently meet its PLOS or BLOS targets. Sensitivity analysis indicates that increasing the boulevard width, providing on-street bike lanes and reducing operating speeds to 40 km/h (i.e. speed limit reduction and passive traffic calming measures) are all measures that could improve the PLOS and BLOS.

It should be noted that the measures listed above are intended only as suggestions to the City on how the MMLOS within the study area could be improved and do not identify measures to be implemented as a direct consequence of this development. The MMLOS analysis identifies existing deficiencies in the study area and these deficiencies are not expected to be exacerbated by the proposed development.

5.3.2 Road Safety

A summary of all reported collisions within the study period over the past five years was presented in the Scoping section of this TIA. The City requires a safety review if at least six collisions for any one movement or of a discernible pattern have occurred over a five-year period. Preliminary analyses identified that all study area intersections may be of potential concern. Further review was therefore conducted, as summarized below:

5.3.2.1 Intersections

Table 11 summarizes the number of collisions recorded at each study intersection in the five-year period, subdivided by collision type.

Table 11 - Intersection Collisions by Type

| INTERSECTION | COLLISION TYPE | | | | | |
|--------------------------------|----------------|----------|-----------|--------------|----------------------|-------|
| | Angle | Rear End | Sideswipe | Turning Mvmt | Single Motor Vehicle | Other |
| Hunt Club Rd & Airport Parkway | 5 | 51 | 13 | 2 | 5 | 4 |
| Hunt Club Rd & Dazé St | 10 | 43 | 15 | 10 | 1 | 1 |
| Bank St & Hunt Club Rd | 20 | 70 | 31 | 7 | 8 | 3 |
| Bank St & Dazé St | 3 | 12 | 7 | 22 | 3 | 0 |
| Dazé St & South Keys SC | 0 | 2 | 0 | 3 | 0 | 0 |

Based on the above, it is important to note that no significant collision patterns were observed at the Dazé Street and South Keys Shopping Centre (SC) intersection.

Table 12 summarizes the above intersection collisions and subdivides them by the approach direction of the at-fault vehicle. The ‘other’ collision type as well as the Dazé Street and South Keys Shopping Centre intersection have been excluded from this analysis.

Table 12 - Intersection Collisions by Direction and Type

| INTERSECTION | VEHICLE 1 DIRECTION | COLLISION TYPE | | | | |
|--------------------------------|---------------------|----------------|----------|-----------|------------------|----------------------|
| | | Angle | Rear End | Sideswipe | Turning Movement | Single Motor Vehicle |
| Hunt Club Rd & Airport Parkway | Northbound | 2 | 2 | 1 | 0 | 0 |
| | Southbound | 2 | 7 | 1 | 0 | 1 |
| | Eastbound | 0 | 19 | 3 | 2 | 2 |
| | Westbound | 1 | 23 | 8 | 0 | 2 |
| Hunt Club Rd & Dazé St | Northbound | 2 | 5 | 2 | 3 | 0 |
| | Southbound | 2 | 7 | 2 | 2 | 0 |
| | Eastbound | 6 | 13 | 7 | 4 | 1 |
| | Westbound | 0 | 16 | 4 | 0 | 0 |
| Bank St & Hunt Club Rd | Northbound | 11 | 21 | 17 | 3 | 0 |
| | Southbound | 2 | 9 | 6 | 2 | 3 |
| | Eastbound | 4 | 19 | 10 | 1 | 3 |
| | Westbound | 2 | 21 | 3 | 0 | 2 |
| Bank St & Dazé St | Northbound | 1 | 4 | 2 | 13 | 0 |
| | Southbound | 0 | 4 | 4 | 7 | 0 |
| | Eastbound | 2 | 1 | 1 | 0 | 2 |
| | Westbound | 0 | 2 | 0 | 2 | 1 |

The significant collision patterns identified above have been analysed below in order to identify potential contributing factors:

Hunt Club Road & Airport Parkway:

Based on the collision records provided, the majority of the south, east and westbound rear-end collisions involved vehicles slowing or stopping throughout all lanes of traffic, either to perform turning movements or as a result of weekday peak period congestion. The eastbound left-turn volumes and westbound right-turn volumes at this intersection are also significant during the weekday morning peak hour which may result in long delays and contribute to driver impatience and/or more dangerous behaviour. The vast majority of rear-end collisions caused property damage only or resulted in only minor injuries and therefore can be considered minor in nature.

The majority of sideswipe collisions occurred on the westbound approach and involved vehicles stopping or slowing with the addition of inclement weather conditions such as rain, ice and snow. All reported sideswipe collisions resulted in property damage only.

Hunt Club Road & Dazé Street:

A high frequency of east and westbound rear-end collisions were observed at the Hunt Club & Dazé intersection, the majority of which involved collisions with a stopped vehicle. This may be an indication of excessive speeding on these approaches, which are straight with few site access connections, or may be the result of vehicles stopping sooner than expected to turn into the commercial area to the north.

The eastbound approach also has an excess of angle and sideswipe collisions with vehicles travelling in both the north and southbound directions. Based on the collision records, the majority of these collisions involved eastbound vehicles failing to obey the traffic signals resulting in a collision with either south or northbound vehicles.

Bank Street & Hunt Club Road:

A number of sideswipe collisions on the north, south and eastbound approaches were recorded at this intersection along with some angle collisions on the northbound approach. The majority of these collisions occurred due to vehicles changing lanes and other turning movements.

A large number of rear-end collisions were recorded on all approaches at the Bank Street & Hunt Club Road intersection. The majority of these collisions involved stopped vehicles which may be an indication of speeding on both Bank Street and Hunt Club Road. High volumes of traffic could also be an influencing factor in the high number of collisions present at this intersection.

Bank Street & Dazé Street:

The collision records for this intersection indicate that the majority of northbound and southbound turning movement collisions involved vehicles turning left and failing to yield to vehicles travelling in the opposite direction. The signal timing plan should be reviewed to ensure sufficient cycle length is provided to the left-turn movements.

5.3.2.2 Roadway Segments

Table 13 summarizes the number of collisions recorded along each roadway segment within the study area in the five-year period, subdivided by collision type. As the segment of Dazé Street between 200 metres west of Bank Street and Bank Street experienced less than six collisions in the five-year period, it has been excluded from further analysis.

Table 13 - Roadway Segment Collisions by Type

| ROADWAY SEGMENT | COLLISION TYPE | | | | | |
|---|----------------|----------|-----------|--------------|----------------------|-------|
| | Angle | Rear End | Sideswipe | Turning Mvmt | Single Motor Vehicle | Other |
| Dazé St – Hunt Club to 200m west of Bank St | 1 | 0 | 0 | 4 | 2 | 0 |

As indicated above, no significant collision patterns (i.e. 6 collisions or more) have been noted within the five-year period along the site frontage. As such, no further analysis is required.

5.4 Access Intersections

5.4.1 Location and Design of Access

The proposed development will be accessed via Dazé Street through a proposed right-in/right-out driveway and an existing '3/4' movements driveway. Phase 1 of the proposed development may also continue to be accessed via a third access driveway at the southeast corner of the site. It should be noted that, for the purposes of this analysis, all traffic volume projections have been consolidated to the two access points described above. The proposed site access is in

conformance with the City of Ottawa Private Approach By-law 2003-447, with particular confirmation of the following items:

- Width: A private approach will have a minimum width of 2.4m and a maximum width of 9.0m.
 - The proposed site access will be 7.0m wide. ✓
- Distance from Intersecting Road: For a residential development with 300 or more parking spaces, the proposed private approach must be at least 60 metres from the nearest intersecting street line.
 - The proposed right-in/right-out access on Dazé Street is approximately 35m from the nearest intersecting street line which is less than the required 60m, however due to the magnitude of the new development, a secondary access is required at this site. ✓
 - The existing '3/4' access on Dazé Street is approximately 85m from the nearest intersecting street line and is therefore in conformance with the by-law. ✓
- Quantity and Spacing of Private Approaches: For sites with frontage between 46 and 150 metres, one (1) two-way and two (2) one-way, or two (2) two-way private approaches are permitted. Any two private approaches must be separated by at least 9.0m and can be reduced to 2.0m in the case of two one-way driveways. On lots that abut more than one roadway, these provisions apply to each frontage separately.
 - The frontage of the subject site on Dazé Street is approximately 150m and therefore two (2) two-way private approaches are compliant with the by-law. ✓
- Distance from Property Line: Private approaches must be at least 3.0m from the abutting property line, however this requirement can be reduced to 0.3m provided that the access is a safe distance from the access serving the adjacent property, sight lines are adequate and that it does not create a traffic hazard.
 - Both the proposed and existing private approaches exceed the minimum distance required. ✓

Based on the Transportation Association of Canada's (TAC) Geometric Design Guide for Canadian Roads (June 2017), for a residential development of more than 200 units a minimum clear throat length of 25m is suggested for site access driveways on collector roadways. The clear throat length is provided to mitigate the potential for queue spillback onto the collector road. A clear throat length of approximately 110m is proposed for the right-in/right-out Dazé Street access for Phase 1 and a clear throat length of approximately 45m is proposed for the long-term Master Plan, both of which are well above the suggested minimum clear throat length.

For the existing '3/4' movement access on Dazé Street the clear throat length for Phase 1 as well as Phases 2 to 4 is approximately 35 m which meets the minimum requirements according to the TAC Design Guide for Canadian Roads.

5.4.2 Access Intersection Control

Both proposed site access driveways will be unsignalized and are expected to operate acceptably, as confirmed through intersection capacity analyses presented in subsequent sections of this report.

5.4.3 Access Intersection Design

Both proposed site access driveways will be unsignalized therefore MMLoS analysis is not required. As a result of the proposed internal street alignment, it is proposed that the existing '3/4

access be modified and shifted east by approximately 3.5 metres. Figures supporting a Roadway Modification Applications (RMA) have therefore been prepared and provided in **Appendix L**. The design of this intersection modification has taken into consideration minimum vehicle storage requirements and turning radii for the site's design vehicles, including an emergency vehicle (fire truck). Curb radii have also been reduced to minimum requirements and the access will include continuous sidewalk and depressed curb per City standards.

5.5 Transportation Demand Management (TDM)

The City of Ottawa is committed to implementing Transportation Demand Management (TDM) measures on a City-wide basis in an effort to reduce automobile dependence, particularly during the weekday peak travel periods. TDM initiatives are aimed at encouraging individuals to use non-auto modes of travel during the peak periods.

5.5.1 Context for TDM

As discussed previously, the proposed development is located immediately adjacent to South Keys BRT and future LRT Station and is within the TOD zone. The site is also surrounded by numerous services and amenities, therefore this level of density and compact growth is appropriate in this context.

As described in the Forecasting section of this report, the transit mode share targets have been refined to account for the significant improvements to the transit system which are expected to occur within the timeframe of this study.

The proposed development aligns with the South Keys Community Design Plan (CDP) but is not located within a Design Priority Area (DPA). The proposed development offers a diversity of units with a variety of layouts from 1 bedroom to 3 bedrooms.

5.5.2 Need and Opportunity

The existing site is currently within close proximity to South Keys BRT Station but is also surrounded by a significant amount of surface parking and is challenging for pedestrians to navigate. High quality transit service is expected to be fully operational prior to full build-out of Phase 1 and therefore an opportunity exists to encourage residents to use this service upon move-in.

A well-connected pathway network is planned within the surrounding community and the planned Transit Plaza that is adjacent to the site will help shift the environment from auto-oriented to more pedestrian friendly.

5.5.3 TDM Program

The proposed development conforms to the City's TDM principles by providing convenient and direct connections to adjacent pedestrian, cycling and transit facilities where available. The proposed on-site pedestrian facilities will provide direct and convenient connections to adjacent roadways and commercial developments.

The City of Ottawa's TDM Measures Checklist was completed for the proposed development, and the results are provided in **Appendix G**. Notable measures that are being considered include:

- Ensuring maps and OC Transpo brochures are available for residents;
- Offering PRESTO cards preloaded with one monthly transit pass upon resident move-in (first year of development);
- Providing multimodal travel option information package to new residents; and

- Unbundling parking costs from monthly rent.

5.6 Neighbourhood Traffic Management

5.6.1 Adjacent Neighbourhoods

Not Applicable: The proposed development is not within a residential neighbourhood and is accessed via Dazé Street which consists of a multi-lane cross-section, therefore the Neighborhood Traffic Management section is not required in this context.

5.7 Transit

5.7.1 Route Capacity

The estimated future total transit passenger demand within the study area was provided in Section 4.1.2.4. The results have been summarized in **Table 14**.

Table 14 - Future Development Generated Transit Demand

| PERIOD | PEAK PERIOD DEMAND (PERSON TRIPS) | | | |
|--------|-----------------------------------|-----|----------------------|-----|
| | 2026 (Phase 1) | | 2041 (Phases 1 to 4) | |
| | IN | OUT | IN | OUT |
| AM | 30 | 66 | 117 | 260 |
| PM | 53 | 38 | 210 | 152 |

Overall transit demand of the site is expected to be easily accommodated by the BRT and LRT service which are planned to operate in tandem at South Keys Station, as well as the other local transit routes operating nearby on Bank Street or Hunt Club Road that were discussed previously in the Scoping component of this study.

5.7.2 Transit Priority Measures

Not Applicable - Transit service for new residents will be provided by the LRT/BRT network.

5.8 Review of Network Concept

As discussed in the Scoping section of this TIA, the following screenlines are applicable to this study: SL13 – CNR East; and SL20 – Rideau River (South). A summary comparison of the City 2031 Network Concept demand and capacity has been provided in **Table 15** below.

Table 15 – 2031 Network Concept

| SCREENLINE | AM 2031 PREFERRED INBOUND | | |
|--------------------------------|---------------------------|----------|-----------|
| | DEMAND | CAPACITY | V/C RATIO |
| SL13 – CNR East | 7,934 | 9,000 | 0.88 |
| SL42 – Rideau River (Manotick) | 4,536 | 7,400 | 0.61 |

Source: Road Network Development Report: Final Report (December 2013)

Based on **Table 15** above, it is expected that site-generated traffic will not trigger any deficiencies across either screenline. Traffic generated exclusively by the proposed development is expected to contribute less than the required inbound weekday morning and afternoon peak hour trips for the screenlines to be operating above capacity. Further, it is important to note that since the publication of the TMP, the City has significantly increased investment in local transit infrastructure with the planned extension of the Trillium LRT Line into the Riverside South Community Core, which is expected to help reduce overall reliance on auto trips during the weekday peak periods across both screenlines.

5.9 Intersection Design

The following sections summarize the methodology and results of the multi-modal intersection capacity analysis conducted within the study area.

5.9.1 Intersection Control

5.9.1.1 Traffic Signal Warrants

Traffic signal warrants for site access intersections were discussed previously in Section 5.4. All other study Intersections are currently signalized, therefore no further signal warrant analysis is required.

5.9.1.2 Roundabout Analysis

Due to urban fabric surrounding the site, roundabouts are not able to be easily accommodated easily as a form of traffic control. Roundabouts typically require a larger footprint in comparison with traffic signals and are not envisioned as part of the City's long-term vision for this area in the CDP. As such, no further analysis on the feasibility of roundabouts at the study intersections was conducted.

5.9.2 Intersection Analysis Criteria (Automobile)

The following section outlines the City of Ottawa's methodology for determining motor vehicle Level-of-Service (LOS) at signalized and unsignalized intersections.

5.9.2.1 Signalized Intersections

In qualitative terms, the Level-of-Service (LOS) defines operational conditions within a traffic stream and their perception by motorists. A LOS definition generally describes these conditions in terms of such factors as delay, speed and travel time, freedom to manoeuvre, traffic interruptions, safety, comfort and convenience. LOS can also be related to the ratio of the volume to capacity (v/c) which is simply the relationship of the traffic volume (either measured or forecast) to the capability of the intersection or road section to accommodate a given traffic volume. This capability varies depending on the factors described above. LOS are given letter designations from 'A' to 'F'. LOS 'A' represents the best operating conditions and LOS 'E' represents the level at which the intersection or an approach to the intersection is carrying the maximum traffic volume that can, practicably, be accommodated. LOS 'F' indicates that the intersection is operating beyond its theoretical capacity.

The City of Ottawa has developed criteria as part of the Transportation Impact Assessment Guidelines, which directly relate the volume to capacity (v/c) ratio of a signalized intersection to a LOS designation. These criteria are as follows:

Table 16 - LOS Criteria for Signalized Intersections

| LOS | VOLUME TO CAPACITY RATIO (v/c) |
|-----|--------------------------------|
| A | 0 to 0.60 |
| B | 0.61 to 0.70 |
| C | 0.71 to 0.80 |
| D | 0.81 to 0.90 |
| E | 0.91 to 1.00 |
| F | > 1.00 |

The intersection capacity analysis technique provides an indication of the LOS for each movement at the intersection under consideration and for the intersection as a whole. The overall v/c ratio for an intersection is defined as the sum of equivalent volumes for all deficient movements at the intersection divided by the sum of capacities for all deficient movements.

The Level of Service calculation is based on locally-specific parameters as described in the TIA Guidelines and incorporates existing signal timing plans obtained from the City of Ottawa. The analysis existing conditions utilized a Peak Hour Factor (PHF) of 0.90, while future conditions consider optimized signal timing plans and use of a Peak Hour Factor (PHF) of 1.0 to recognize peak spreading beyond a 15-minute period in congested conditions.

5.9.2.2 Unsignalized Intersections

The capacity of an unsignalized intersection can also be expressed in terms of the LOS it provides. For an unsignalized intersection, the Level of Service is defined in terms of the average movement delays at the intersection. This is defined as the total elapsed time from when a vehicle stops at the end of the queue until the vehicle departs from the stop line; this includes the time required for a vehicle to travel from the last-in-queue position to the first-in-queue position. The average delay for any particular minor movement at the un-signalized intersection is a function of the capacity of the approach and the degree of saturation.

The Highway Capacity Manual 2010 (HCM), prepared by the Transportation Research Board, includes the following Levels of Service criteria for un-signalized intersections, related to average movement delays at the intersection, as indicated in **Table 17** below.

Table 17 - LOS Criteria for Unsignalized Intersections

| LOS | DELAY (seconds) |
|-----|-----------------|
| A | <10 |
| B | >10 and <15 |
| C | >15 and <25 |
| D | >25 and <35 |
| E | >35 and <50 |
| F | >50 |

The unsignalized intersection capacity analysis technique included in the HCM and used in the current study provides an indication of the Level of Service for each movement of the intersection under consideration. By this technique, the performance of the unsignalized intersection can be compared under varying traffic scenarios, using the Level of Service concept in a qualitative sense. One unsignalized intersection can be compared with another unsignalized intersection using this concept. Level of Service 'E' represents the capacity of the movement under consideration and generally, in large urban areas, Level of Service 'D' is considered to represent an acceptable operating condition. Level of Service 'E' is considered an acceptable operating condition for planning purposes for intersections located within Ottawa's Urban Core (the downtown and its vicinity). Level of Service 'F' indicates that the movement is operating beyond its design capacity.

5.9.3 Intersection Capacity Analysis

Following the established intersection capacity analysis criteria described above, the existing and future conditions are analyzed during the weekday peak hour traffic volumes derived in this study.

The following section presents the results of the intersection capacity analysis. All tables summarize study area intersection LOS results during the weekday morning and afternoon peak hour periods.

The Synchro output files have been provided in **Appendix J**.

5.9.3.1 Existing (2021) Traffic

An intersection capacity analysis has been undertaken using the Existing (2021) Traffic volumes presented in **Exhibit 5**, yielding the following results:

Table 18 - Intersection Capacity Analysis: Existing (2021) Traffic

| INTERSECTION | TRAFFIC CONTROL | AM PEAK HOUR | | PM PEAK HOUR | |
|--------------------------------------|-----------------|-------------------------------|---|-------------------------------|---|
| | | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) |
| Airport Parkway & Hunt Club Rd | Signalized | F (1.13) | WBRT (1.36) | E (0.96) | WBRT (1.10) |
| Hunt Club Rd & Dazé St | Signalized | F (1.07) | EBL (1.83) | F (1.13) | EBL (2.84) |
| Bank St & Hunt Club Rd | Signalized | D (0.87) | WBT (1.14) | F (1.01) | SBL (2.07) |
| Bank St & Dazé St | Signalized | A (0.40) | EBL (0.70) | A (0.55) | EBL (0.79) |
| Dazé St & South Keys Shopping Centre | Signalized | A (0.16) | EBRT (0.35) | A (0.30) | EBRT (0.56) |
| Dazé St & Existing '3/4' Access | Unsignalized | A (9.1s) | EBR (9.1s) | B (10.4s) | EBR (10.4s) |

Based on the above, several of the study area intersections are presently operating well over capacity during both the weekday morning and afternoon peak hours, while the intersections within the South Keys Shopping Centre are shown to be operating at excellent Levels of Service.

5.9.3.2 Future (2026) Background Traffic

An intersection capacity analysis has been undertaken using the Future (2026) Background Traffic volumes presented in **Exhibit 10**, yielding the following results:

Table 19 - Intersection Capacity Analysis: 2026 Background Traffic

| INTERSECTION | TRAFFIC CONTROL | AM PEAK HOUR | | PM PEAK HOUR | |
|--------------------------------------|-----------------|-------------------------------|---|-------------------------------|---|
| | | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) |
| Airport Parkway & Hunt Club Rd | Signalized | E (0.95) | WBRT (1.05) | D (0.89) | WBRT (1.00) |
| Hunt Club Rd & Dazé St | Signalized | F (1.02) | EBL (1.64) | F (1.19) | EBL (2.69) |
| Bank St & Hunt Club Rd | Signalized | C (0.74) | WBT (0.99) | E (0.91) | SBL (1.92) |
| Bank St & Dazé St | Signalized | A (0.35) | EBL (0.71) | A (0.50) | EBL (0.81) |
| Dazé St & South Keys Shopping Centre | Signalized | A (0.10) | EBRT (0.32) | A (0.27) | EBRT (0.54) |
| Dazé St & Existing '3/4' Access | Unsignalized | A (9.0s) | EBR (9.0s) | B (10.1s) | EBR (10.1s) |

Under Future (2026) Background Traffic conditions, the results indicate slight improvements, however this is directly attributable to the use of a Peak Hour Factor of 1.0 suggesting that traffic demands are expected to extend beyond 15-minute periods and be more evenly distributed throughout the hour.

5.9.3.3 Future (2031) Background Traffic

An intersection capacity analysis has been undertaken using the Future (2031) Background Traffic volumes presented in **Exhibit 11**, yielding the following results:

Table 20 - Intersection Capacity Analysis: 2031 Background Traffic

| INTERSECTION | TRAFFIC CONTROL | AM PEAK HOUR | | PM PEAK HOUR | |
|--------------------------------------|-----------------|-------------------------------|---|-------------------------------|---|
| | | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) |
| Airport Parkway & Hunt Club Rd | Signalized | E (0.98) | WBRT (1.10) | E (0.92) | WBRT (1.04) |
| Hunt Club Rd & Dazé St | Signalized | F (1.02) | EBL (1.64) | F (1.39) | EBL (2.69) |
| Bank St & Hunt Club Rd | Signalized | C (0.78) | WBT (1.02) | E (0.93) | SBL (1.96) |
| Bank St & Dazé St | Signalized | A (0.37) | EBL (0.71) | A (0.51) | EBL (0.81) |
| Dazé St & South Keys Shopping Centre | Signalized | A (0.10) | EBRT (0.32) | A (0.27) | EBRT (0.54) |
| Dazé St & Existing '3/4' Access | Unsignalized | A (9.0s) | EBR (9.0s) | B (10.1s) | EBR (10.1s) |

By the 2031 horizon year, conditions at the outer study area intersections will continue to be exacerbated as a result of continued background traffic growth.

5.9.3.4 Future (2041) Background Traffic

An intersection capacity analysis has been undertaken using the Future (2041) Background Traffic volumes presented in **Exhibit 12**, yielding the following results:

Table 21 - Intersection Capacity Analysis: 2041 Background Traffic

| INTERSECTION | TRAFFIC CONTROL | AM PEAK HOUR | | PM PEAK HOUR | |
|--------------------------------------|-----------------|-------------------------------|---|-------------------------------|---|
| | | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) |
| Airport Parkway & Hunt Club Rd | Signalized | F (1.08) | WBRT (1.21) | E (0.93) | WBRT (1.12) |
| Hunt Club Rd & Dazé St | Signalized | F (1.02) | EBL (1.64) | F (1.24) | EBL (2.69) |
| Bank St & Hunt Club Rd | Signalized | D (0.81) | WBT (1.08) | F (1.02) | SBL (2.05) |
| Bank St & Dazé St | Signalized | A (0.37) | EBL (0.71) | A (0.53) | EBL (0.81) |
| Dazé St & South Keys Shopping Centre | Signalized | A (0.10) | EBRT (0.32) | A (0.27) | EBRT (0.54) |
| Dazé St & Existing '3/4' Access | Unsignalized | A (9.0s) | EBR (9.0s) | B (10.1s) | EBR (10.1s) |

5.9.3.5 Future (2026) Total Traffic

An intersection capacity analysis has been undertaken using the Future (2026) Total Traffic volumes presented in **Exhibit 13**, yielding the following results:

Table 22 - Intersection Capacity Analysis: 2026 Total Traffic

| INTERSECTION | TRAFFIC CONTROL | AM PEAK HOUR | | PM PEAK HOUR | |
|--------------------------------------|-----------------|-------------------------------|---|-------------------------------|---|
| | | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) |
| Airport Parkway & Hunt Club Rd | Signalized | E (0.96) | WBTR (1.06) | D (0.86) | WBRT (1.01) |
| Hunt Club Rd & Dazé St | Signalized | F (1.04) | EBL (1.71) | F (1.24) | EBL (2.86) |
| Bank St & Hunt Club Rd | Signalized | C (0.75) | WBT (1.01) | C (0.92) | SBL (1.92) |
| Bank St & Dazé St | Signalized | A (0.35) | EBL (0.71) | A (0.54) | EBL (0.76) |
| Dazé St & South Keys Shopping Centre | Signalized | A (0.14) | EBR (0.32) | A (0.27) | EBR (0.54) |
| Dazé St & proposed Ri/Ro Access | Unsignalized | A (9.0s) | EBR (9.0s) | B (10.1s) | EBR (10.1s) |
| Dazé St & Existing '3/4' Access | Unsignalized | A (9.1s) | EBR (9.1s) | B (10.3s) | EBR (10.3s) |

Based on a comparison with background conditions, the proposed development is expected to have an insignificant impact on study area intersections at the build-out of Phase 1.

5.9.3.6 Future (2031) Total Traffic

An intersection capacity analysis has been undertaken using the Future (2031) Total Traffic volumes presented in **Exhibit 14**, yielding the following results:

Table 23 - Intersection Capacity Analysis: 2031 Total Traffic

| INTERSECTION | TRAFFIC CONTROL | AM PEAK HOUR | | PM PEAK HOUR | |
|--------------------------------------|-----------------|-------------------------------|---|-------------------------------|---|
| | | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) |
| Airport Parkway & Hunt Club Rd | Signalized | E (1.00) | WBRT (1.12) | E (0.93) | WBRT (1.05) |
| Hunt Club Rd & Dazé St | Signalized | F (1.04) | EBL (1.71) | F (1.24) | EBL (2.83) |
| Bank St & Hunt Club Rd | Signalized | C (0.78) | WBT (1.04) | E (0.94) | SBL (1.96) |
| Bank St & Dazé St | Signalized | A (0.35) | EBL (0.71) | A (0.51) | EBL (0.81) |
| Dazé St & South Keys Shopping Centre | Signalized | A (0.14) | EBR (0.32) | A (0.27) | EBR (0.54) |
| Dazé St & proposed Ri/Ro Access | Unsignalized | A (9.0s) | EBR (9.0s) | B (10.0s) | EBR (10.0s) |
| Dazé St & Existing '3/4' Access | Unsignalized | A (9.1s) | EBR (9.1s) | B (10.3s) | EBR (10.3s) |

5.9.3.7 Future (2041) Total Traffic

An intersection capacity analysis has been undertaken using the Future (2041) Total Traffic volumes presented in **Exhibit 15**, yielding the following results:

Table 24 - Intersection Capacity Analysis: 2041 Total Traffic

| INTERSECTION | TRAFFIC CONTROL | AM PEAK HOUR | | PM PEAK HOUR | |
|--------------------------------------|-----------------|-------------------------------|---|-------------------------------|---|
| | | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) | OVERALL LOS (V/C OR DELAY) | MOST DEFICIENT MOVEMENT (V/C OR DELAY) |
| Airport Parkway & Hunt Club Rd | Signalized | F (1.13) | WBRT (1.27) | E (0.97) | WBRT (1.15) |
| Hunt Club Rd & Dazé St | Signalized | F (1.06) | EBL (1.87) | F (1.33) | EBL (3.07) |
| Bank St & Hunt Club Rd | Signalized | D (0.83) | WBT (1.12) | F (1.04) | SBL (2.05) |
| Bank St & Dazé St | Signalized | A (0.38) | EBL (0.68) | A (0.54) | EBL (0.76) |
| Dazé St & South Keys Shopping Centre | Signalized | A (0.14) | EBL (0.32) | A (0.28) | EBR (0.54) |
| Dazé St & Proposed Ri/Ro Access | Unsignalized | A (9.2s) | EBR (9.2s) | B (10.2s) | EBR (10.2s) |
| Dazé St & Existing '3/4' Access | Unsignalized | A (9.4s) | EBR (9.4s) | B (10.4s) | EBR (10.4s) |

Upon full build-out of the Master Plan, impacts to the outer study area intersections are notable, however can be considered insignificant with regards to the projected background operating conditions. Within closer proximity to the site access points along Daze Street, the proposed development is expected to be easily accommodated within the capacity constraints of those intersections.

5.9.4 Multi-Modal Level of Service

An analysis of existing and future conditions for each mode has been conducted based on the methodology prescribed in the 2017 Multi-Modal Level of Service (MMLOS) Guidelines Addendum. The Level of Service (LOS) for each mode has been calculated for each intersection where signals exist or are anticipated, based on the City’s standardized spreadsheet that includes different targets for each respective area of the City.

The Future (2041) Total intersection MMLOS results have been summarized in **Table 25**. Detailed analysis results for existing and future conditions are provided **Appendix I**.

Table 25 - Intersection MMLOS - Existing and Future Conditions

| LOCATION | LEVEL OF SERVICE BY MODE | | | |
|--------------------------------------|--------------------------|-------------------------|---------------------------|-------------------------|
| | PEDESTRIAN (PLOS) | BICYCLE (BLOS) | TRANSIT (TLOS) | TRUCK (TkLOS) |
| INTERSECTIONS | | | | |
| Bank St & Dazé St | F (Target: A) | F (Target: C) | F (Target: N/A) | E (Target: D) |
| Bank St & Hunt Club Rd | F (Target: A) | F (Target: C) | F (Target: N/A) | A (Target: D) |
| Dazé St & South Keys Shopping Centre | F (Target: A) | F (Target: D) | N/A ¹ | F (Target: D) |
| Hunt Club Rd & Dazé St | F (Target: A) | F (Target: C) | F (Target: N/A) | F (Target: D) |
| Airport Parkway & Hunt Club Rd | F (Target: A) | F (Target: C) | F (Target: D) | C (Target: D) |

¹Not Applicable - No existing or future transit routes are expected at this intersection.

5.9.4.1 Intersection Pedestrian Level of Service (PLOS)

The PLOS at intersections is based on several factors including the number of traffic lanes that pedestrians must cross, corner radii, and whether the crossing allows for permissive or protective right or left turns, among others.

The results of the analysis indicate that all study intersections are expected to operate below their respective PLOS targets. This is primarily due to number of lanes that pedestrians must cross (i.e. crossing distance/3.5m) on each approach. The PLOS could potentially be improved if the following were implemented:

- High-visibility crosswalk markings;
- Median refuges for approaches with a larger number of lanes;
- Leading pedestrian intervals; and
- Removal of channelized right-turn lanes as well as auxiliary right-turn lanes.

It should be noted, however, that implementing these measures could also further exacerbate the poor vehicular LOS at these intersections and therefore careful consideration should be given to implementing any of the above to ensure that an appropriate balance is achieved between various modes at each intersection. Due to its proximity to the transit station and plaza, the intersection of Daze/South Keys Shopping Centre would benefit from improved PLOS and has been shown to have excess vehicular capacity that could be reallocated to active travel modes. This would benefit

the broader area but would not be required to accommodate the development-generated demands.

5.9.4.2 Intersection Bicycle Level of Service (BLOS)

The BLOS at intersections is dependent on several factors: the number of lanes that the cyclist is required to cross to make a left-turn; the presence of a dedicated right-turn lane on the approach; and the operating speed of each approach.

Based on the analysis, no study area intersections meet their BLOS target due to a lack of cycling facilities (i.e. mixed traffic) and/or due to the number of traffic lanes that cyclists must cross to turn left at intersections. Implementing a protected intersection design at all intersections (or bike lanes paired with two-stage left-turn bike boxes) could allow the intersections to meet or exceed the BLOS target with the exception of the intersections of Hunt Club with the Airport Parkway or Bank Street due to the high operating speed along these arterial roadways.

5.9.4.3 Intersection Transit Level of Service (TLOS)

Intersection TLOS is based on the average signal delay experienced by transit vehicles at each study area intersection.

The results of the analysis indicate that the TLOS is not met at any of the study area intersections during the future conditions. This is triggered by the expected increase in background volume along with the site-generated traffic. It should be noted Hunt Club is identified as a Transit Priority Corridor in the TMP and is likely to be one of the most successful tactics for reducing automobile demand at these congested intersections. There are currently no transit priority plans for Bank Street.

5.9.4.4 Intersection Truck Level of Service (TkLOS)

The Truck LOS (TkLOS) is based on the right-turn radii, as well as the number of receiving lanes for vehicles making a right-turn from the traffic lane being analysed.

The intersections Hunt Club with Bank and the Airport Parkway meet the City's target with TkLOS of 'A' and 'C', respectively, while the remaining intersections exceed the targeted TkLOS. This is due to the tighter turning radii and the fewer number of receiving lanes on the approaches at these intersections. The accommodation of trucks is of practical importance but has negative consequences primarily to pedestrian safety. Given that the study area is expected to be a highly-pedestrianized area, substandard TkLOS results for intersections along Daze Street should be considered acceptable.

The recommended measures listed above are intended only as suggestions to the City on how the MMLOS within the study area could be improved and do not identify measures to be implemented as a direct consequence of this development. The MMLOS analysis identifies existing deficiencies in the study area and these deficiencies are not expected to be exacerbated by the proposed development.

5.10 Geometric Review

The following section reviews all geometric requirements for the study area intersections.

5.10.1 Sight Distance and Corner Clearances

The proposed right-in/right-out access driveway is located on Dazé Street approximately 35m south of the intersection of Dazé and South Keys Shopping Centre which is within the minimum

recommended corner clearance of 55m indicated in the Transportation Association of Canada (TAC) Design Guide for Canadian Roads.

This location of the proposed right-in/right-out within relatively close proximity to the signalized intersection is due to the site requiring secondary access to accommodate any emergency vehicles requiring access to the site. As a result of the site's relatively short frontage to a municipal road (Daze Street) the site is constrained and therefore there are limited options for providing a secondary access that meets the recommended standards. Further review indicates that the right-in/right-out access is proposed on the outside edge of a gradual horizontal curve affords sightlines in excess of the 85 metres recommended in TAC for a road with a 60km/h design speed. Also, as the proposed development will be transit-oriented, vehicular demands are expected to be relatively low and primarily concentrated at the '3/4' access to the south. As such, the proposed right-in/right-out access is not expected to be a concern despite its proximity to a signalized intersection.

5.10.2 Auxiliary Lane Analysis

Auxiliary turning lane requirements for all intersections within the study area are described as follows:

5.10.2.1 Unsignalized Auxiliary Left-Turn Lane Requirements

An auxiliary left-turn lane warranted analysis was conducted for the northbound approach associated with the existing '3/4' access driveway on Dazé Street using the multi-lane warrant methodology outline in the Ministry of Transportation (MTO) Design Supplement (2017). Based on advancing and opposing volumes projected at this intersection under Future (2041) Total Traffic conditions, a northbound left-turn lane with 15m of storage is required. The existing left-turn lane satisfies this requirement, providing approximately 23 metres of parallel lane length.

A functional design in support of a Roadway Modification Application (RMA) was carried out to identify minor alterations required to relocate the existing '3/4' access driveway approximately 3.5m metres south to accommodate a fire truck/heavy single unit (HSU) design vehicle, standardize the width of the northbound left-turn auxiliary lane and help to ensure that outbound left-turns from the site are physically restricted at this location. These minor modifications are expected to have a negligible impact on the overall storage capacity of the northbound auxiliary left-turn lane which would remain at approximately 20 metres. A detailed queuing analysis at this location using SimTraffic software indicates that the maximum calculated queue under Future (2041) Total Traffic conditions is 15.7m. As such, this auxiliary lane is expected to sufficiently accommodate the additional left-turning site-generated contributions.

The results of the left-turn lane warrant analysis are provided in **Appendix K**, and the RMA functional design drawings are provided in **Appendix L**.

5.10.2.2 Signalized Auxiliary Left-Turn Requirements

A review of auxiliary left-turn lane storage requirements was completed at all signalized study area intersections under Future (2041) Total Traffic conditions. The review compared the projected 95th percentile queue lengths from Synchro operational results, and the standard queue length calculation based on the following equation:

$$\text{Storage Length} = \frac{NL}{C} \times 1.5$$

Where:

N = number of vehicles per hour

L = Length occupied by a vehicle in the queue = 7 m

C = number of traffic signal cycles per hour

The worst-case scenario between weekday morning and afternoon peak hours was used in the analysis for the 95th percentile queue length. The results of the auxiliary left-turn lane analysis are summarized in **Table 26** below.

Table 26 - Auxiliary Left-Turn Storage Analysis at Signalized Intersections

| INTERSECTION | APPROACH | 95TH %ILE QUEUE LENGTH (M) | CALCULATED QUEUE LENGTH (M) | EXISTING PARALLEL LANE LENGTH (M) | STORAGE DEFICIENCY (M) |
|----------------------------------|----------|----------------------------|-----------------------------|-----------------------------------|---------------------------|
| Airport Parkway & Hunt Club Road | SB | 97 | 139 | 150 120 (S) ¹ | Existing Storage Adequate |
| | WB | 24 | 34 | 150 | Existing Storage Adequate |
| Hunt Club Road & Dazé Street | SB | 66 | 47 | 50 | Existing Storage Adequate |
| | EB | 110 | 65 | 130 100 (S) ¹ | Existing Storage Adequate |
| Bank Street & Hunt Club Road | NB | 78 | 48 | 60 60 (S) ¹ | Existing Storage Adequate |
| | EB | 57 | 36 | 100 95 (S) ¹ | Existing Storage Adequate |
| Bank Street & Dazé Street | EB | 56 | 56 | >150 | Existing Storage Adequate |

(S)¹ – Inner left-turn lane.

As per the results of the queue length analyses presented above, all left-turn movements affected by the proposed development have adequate storage under Future (2041) Total Traffic conditions.

5.10.2.3 Unsignalized Auxiliary Right-Turn Lane Requirements

The Transportation Association of Canada (TAC) suggests that auxiliary right-turn lanes be considered “when the volume of decelerating or accelerating vehicles compared with through vehicles causes undue hazard.” Consideration for auxiliary right-turn lanes is typically given when the right-turning traffic exceeds 10% of the through volume and is at least 60 vehicles per hour, as well as the approach volume which could be impacted by decelerating vehicles.

Neither of the unsignalized access driveways are projected to exceed these thresholds under Future (2041) Total Traffic conditions, therefore auxiliary right-turn lanes were not considered at either location.

5.10.2.4 Signalized Auxiliary Right-Turn Lane Requirements

Similarly for signalized intersections, Section 9.14 of TAC suggests that auxiliary right-turn lanes shall be considered when more than 10% of vehicles on an approach are turning right and when the peak hour demand exceeds 60 vehicles. The purpose of this guideline is to mitigate operational impacts to through-traffic, particularly on high-speed arterial roadways, and may not be applicable in all circumstances.

The worst-case scenario between weekday morning and afternoon peak hours was used in the analysis for the 95th percentile queue length and right-turn volume. The results of the auxiliary right-turn lane analysis are summarized in **Table 27** below.

Table 27 – Auxiliary Right-Turn Lane Storage Analysis at Signalized Intersections

| INTERSECTION | APPROACH | RIGHT TURN VOLUME | APPROACH VEHICLES TURNING RIGHT (%) | 95TH %ILE QUEUE LENGTH (M) | EXISTING/ PROPOSED PARALLEL LANE LENGTH (M) | STORAGE DEFICIENCY (M) |
|----------------------------------|----------|-------------------|-------------------------------------|----------------------------|---|---------------------------|
| Airport Parkway & Hunt Club Road | NB | 152 | 90% | 14 | 40 | Existing Storage Adequate |
| Hunt Club Road & Dazé Street | SB | 345 | 55% | 84 | >150 | Existing Storage Adequate |
| | WB | 95 | 6% | <10 | 90 | Existing Storage Adequate |
| Bank Street & Hunt Club Road | SB | 242 | 16% | 31 | 120 | Existing Storage Adequate |
| | EB | 398 | 25% | 58 | >150 | Existing Storage Adequate |
| Bank Street & Dazé Street | SB | 344 | 20% | 20 | 75 | Existing Storage Adequate |

Based on the above results, no storage deficiencies are expected at any of the study area intersections within the timeframe of this study.

5.11 Summary of Improvements Indicated and Modification Options

Based on the intersection capacity, Multi-Modal Level of Service and auxiliary lane analyses results presented above, off-site improvements to the adjacent road network have been recommended in order to accommodate multi-modal demands of both background traffic and additional traffic generated by the proposed development.

5.11.1 Airport Parkway & Hunt Club Road

The results of the analysis indicate that the Airport Parkway & Hunt Club intersection is presently approaching its theoretical capacity with a LOS 'E' during the weekday afternoon peak hour, and is operating over its theoretical capacity with a LOS 'F' during the morning peak hour. This intersection is expected to continue to operate with poor levels of service throughout the study timeframe with and without the proposed development. The westbound through-right lane is considered the most deficient movement in both the weekday morning and afternoon peak hours. The proposed development is expected to contribute negligible additional traffic to this movement throughout all phases of the development.

Queue length analyses indicates that there are no storage deficiencies present at this intersection during Future (2041) Total Traffic conditions.

As indicated by the MMLOS results, it has also been noted that the intersection is expected to perform poorly for other modes of travel, and a review of potential options indicated that there are no feasible improvements that would not impact vehicular capacity. The only exception is the truck LOS, where the intersection is expected to operate with a TkLOS 'C' under future conditions. The implementation of Transit Priority measures along Hunt Club are identified as one of the most reliable methods for reducing long-term traffic growth along this corridor and should be considered by the City in the near future.

5.11.2 Hunt Club Road & Dazé Street

The results of the analysis indicate that the Hunt Club and Dazé intersection is currently operating above its theoretical capacity with a LOS 'F' during both the weekday morning and afternoon peak hours. This intersection is expected to continue to operate with poor levels of service during these peak periods with and without the proposed development traffic.

The existing left and right-turn auxiliary lanes provide adequate storage for all movements affected by the new development, based on queue length analyses.

The MMLOS analysis for this intersection indicates that it is expected to perform poorly for all other modes. In order to improve the expected PLOS, high visibility crosswalk markings could be implemented without affecting vehicular LOS.

5.11.3 Bank Street & Hunt Club Road

The results of the analysis indicate that the Bank & Hunt Club intersection is currently operating approaching its theoretical capacity with a LOS 'E' during the weekday morning peak hour and is operating over its theoretical capacity with a LOS 'F' during the afternoon peak hour. This is not expected to change through to the Future 2041 Background or Total Traffic conditions. The westbound through and southbound left-turn movements are considered the most deficient movement during the weekday morning and afternoon peak hours, respectively. The site generated traffic for the new development is not expected to contribute a marginal impact on the level-of-service at this intersection.

Synchro results and the City's queue length calculation indicate that the existing right and left-turn lanes are capable of accommodating traffic volumes under Future (2041) Total Traffic conditions.

The MMLOS analysis of this intersection indicates that the PLOS and TLOS are expected to operate poorly due to inadequate walk times and long delays. A possibility for improving the PLOS includes implementing high-visibility crosswalk markings. As indicated previously, Transit Priority measures are recommended to reduce vehicular demand.

5.11.4 Bank Street & Dazé Street

Based on the results of the analysis, the Bank & Dazé intersection is expected to operate at a high level of service (i.e. LOS 'A') for both the weekday morning and afternoon peak hours under the Future (2041) Total Traffic conditions. The eastbound left-turn movement is considered deficient for both weekday peak hours and the new development is expected to contribute negligible impacts to this movement.

Auxiliary lane analyses indicate that all storage lanes are sufficient for the projected traffic volumes under Future (2041) Total Traffic conditions.

5.11.5 Dazé Street & Proposed Right-in/Right-out Access

Based on the results of the analysis, the Dazé and right-in/right-out Access intersection is expected to operate at LOS 'A' and 'B' during all weekday morning peak hour conditions, respectively, beyond the 2041 study horizon year.

The queue length analysis conducted for this study indicates that there is no requirement for a southbound right-turn auxiliary lane and that the proposed eastbound right-turn lane from the Shopping Centre is expected to provide adequate storage.

5.11.6 Dazé Street & Existing '3/4' Access

Based on the results of the analysis, the Dazé and '3/4' Access intersection is expected to operate with negligible delays and a LOS 'A' during all weekday morning peak hour conditions and a LOS 'B' under all afternoon peak hours.

Both Synchro results and the first-principles queue length calculation indicate that there are no requirements for a southbound right-turn lane and the eastbound right-turn lane is expected to provide adequate storage.

A functional design Roadway Modification Application (RMA) was carried out to identify minor alterations required to relocate the existing '3/4' access driveway approximately 3.5m metres south which would accommodate a fire truck/heavy single unit (HSU) design vehicle by standardizing the width of the northbound left-turn auxiliary lane and help to ensure that outbound left-turns from the site are physically restricted at this location. This RMA is expected to have a negligible impact on the overall storage capacity of the intersection which will remain at approximately 20 metres. RMA figures are provided in **Appendix L**.

6 Conclusion

The proposed residential development at 2200 Bank Street and 1131 Hunt Club Road is located within an existing Transit-Oriented Development (TOD) zone and immediately adjacent to the South Keys Transitway Station. A Transit Plaza is proposed to the north of the site and will facilitate direct pedestrian access to South Keys Station from both the subject site and Dazé Street.

The proposed development is expected to generate up to 67 and 210 two-way weekday peak hour vehicular trips upon full build-out of Phase 1 and the long-term Master Plan, respectively. These vehicular travel demands were developed based on mode share targets for the Hunt Club Traffic Assessment Zone (TAZ) from the 2020 TRANS Trip Generation Manual and refined with consideration of the significant improvements to the transit system and the strengthening of active transportation connections which are expected to occur within the timeframe of this study. Site-generated traffic contributions were divided amongst the two site access driveways and assigned to the adjacent road network based on the weekday morning peak period commuter travel patterns from the Hunt Club TAZ as specified in the 2011 O-D Survey, as well as the distribution of relevant employment nodes throughout the City.

A suite of Transportation Demand Management (TDM) measures is proposed to offset the site-generated vehicular demand and to support non-auto mode share targets proposed in this study. Some of the TDM measures include offering PRESTO cards preloaded with one monthly transit pass upon resident move-in, providing multimodal travel option information package to new residents and unbundling parking costs from monthly rent.

A multi-modal analysis of each study area intersection and adjacent roadway segment identified deficiencies in the existing road network and potential remediation measures have been suggested in which the City could consider in order to meet the prescribed targets. These remediation measures would improve mobility and comfort for all transportation modes but are not required to safely accommodate the proposed development.

The arterial intersections within the study area are expected to operate above their theoretical capacities based on existing and future conditions. The performance of these intersections is not expected to be largely impacted by the site-generated traffic, as it is the case for Future Background and Future Total Traffic conditions. The intersections along Dazé Street are expected to operate well under their theoretical capacities beyond the 2041 study horizon year. As indicated through queuing analysis, all right and left-turn auxiliary lanes impacted by the new development are expected to provide adequate storage for vehicles within the study area.

A functional design Roadway Modification Application (RMA) was carried out to identify minor alterations required to relocate the existing '3/4' access driveway approximately 3.5m metres south which would accommodate a fire truck/heavy single unit (HSU) design vehicle by standardizing the width of the northbound left-turn and help to ensure that outbound left-turns from the site are physically restricted. Detailed queuing analysis confirmed that proposed modifications can be accommodated.

A Post-Development Monitoring Plan is deemed unnecessary, as the site-generated traffic demand is not expected to exacerbate or trigger any additional traffic operational issues at any of the study area intersections beyond those identified under background traffic conditions.

Based on the findings of this study, it is the overall opinion of IBI Group that the proposed development will integrate well with and can be safely accommodated by the adjacent transportation network with the recommended actions and modifications in place.

Appendix A – City Circulation Comments

2200 Bank Street
Meeting Summary Notes
June 10, 2021, Online Teams Meeting

Attendees:

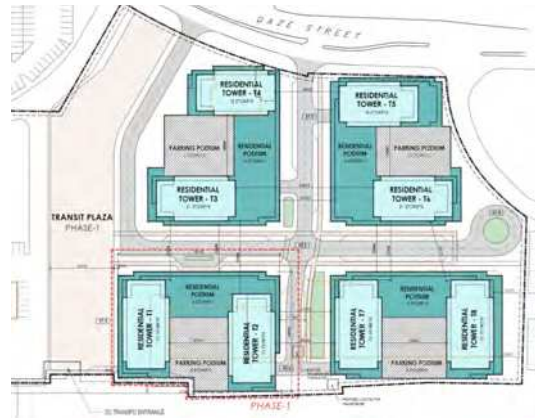
- Heather Jenkins, Smart Centres
- Mauro Pambianchi, Smart Centres
- Nancy Meloshe, Consultant
- Barrett Wagar, Consultant
- Rod Lahey, Architect
- Pat McMahon (Transportation Project Manager, City of Ottawa)
- Golam Sharif (Project Manager, City of Ottawa)
- Bruce Bramah, Engineering Intern, City of Ottawa
- Mark Young (Urban Designer, City of Ottawa)
- Phil Castro, Parks Planner, City of Ottawa
- Claire Lee, Urban Design Student
- Yvonne Mitchell, Planning Student
- Tracey Scaramozzino (File Lead, Planner, City of Ottawa)

Not in Attendance:

- Matthew Hayley, Environmental Planner
- Mark Richardson, Planning Forester
- Jamie Batchelor/Eric Lalonde (RVCA)

Issue of Discussion:

- Phase 1 of re-development of 2200 Bank Street, Former Children's Place/Retail Area – abutting movie theatre
- 1 mixed-use building with 6-storey podium, 2 21-storey towers (481 du), 5-storey above ground parking podium and 1 storey u/g (348 parking spaces), 629 m² ground floor retail, indoor amenity area, Transit Plaza
- Applicant indicated that their understanding of the level of public transit, even at the O-train station, was not sufficient enough to reduce the parking rate.



Overall Concept



Shows animated street frontages

1. Official Plan:

- a. General Urban Area
- b. South Keys to Blossom Park Bank Street Secondary Plan and CDP

2. Zoning Information

- a. MC [2284] S349-h

3. Infrastructure/Servicing (Golam Sharif, Bruce Bramah)

Infrastructure

If existing services are to be reused, a CCTV scan is required to verify the absence of any service or structural defects. A stamped and signed memo prepared by a relevant professional is also required that addresses the condition of the service and provides any recommendations.

Please provide water boundary conditions and expected flow rates for both Sanitary and Storm including phase 1 or the complete site to ensure the sewer capacity is available.

Water

Existing public services:

- Daze Street. – 305mm PVC

Water redundancy would be required for this development based on the number of proposed units.

- Watermain Frontage Fees to be paid (\$190.00 per metre) **Yes** **No**

Boundary conditions:

Civil consultant must request boundary conditions from the City's assigned Project Manager prior to first submission.

- Water boundary condition requests must include the location of the service(s) and the expected loads required by the proposed developments. Please provide all the following information:
 - Location of service(s)
 - Type of development and the amount of fire flow required (as per FUS, 1999).
 - Average daily demand: ___ l/s.
 - Maximum daily demand: ___ l/s.
 - Maximum hourly daily demand: ___ l/s.
- Fire protection (Fire demand, Hydrant Locations)
- A water meter sizing questionnaire (water data card) will have to be completed prior to receiving a water permit (water card will be provided post approval)

Sanitary Sewer

Existing public services:

- Daze Street – 375mm PVC

Is a monitoring manhole required on private property? **Yes** **No**

- The designer should be aware there may be limited capacity in the downstream sanitary sewer system. The sanitary demand needs to be coordinated with the City Planning Dept. to determine if the existing sanitary sewer system has sufficient capacity to support the proposed rezoning. Provide sanitary demands to the City project manager for coordination.

Storm Sewer

Existing public services:

- Daze Street – 450mm PVC (Suggested connection)
- 3000mm STM Trunk north of property
- The Environmental Site Assessment (ESA) may provide recommendations where site contamination may be present. The recommendations from the ESA need to be coordinated with the servicing report to ensure compliance with the Sewer Use By-Law.



Stormwater Management

Quality Control:

- Rideau Valley Conservation Authority to provide quality control requirements for property. (Sawmill Creek)

Quantity Control:

- Allowable Runoff coefficient (C): C = the lesser of the existing pre-development conditions to a maximum of 0.5.
- Time of concentration (Tc): Tc = pre-development; maximum Tc = 10 min
- Allowable flowrate: Control the 100-year storm events to the 5-year storm event.

Ministry of Environment, Conservation and Parks (MECEP)

All development applications should be considered for an Environmental Compliance Approval, under MECP regulations.

- The consultants determine if an approval for sewage works under Section 53 of OWRA is required and determines what type of application. The City's project manager may help confirm and coordinate with the MECP as required.
- The project will be either transfer of review (standard), transfer of review (additional), direct submission, or exempt as per O. Reg. 525/98.
- Pre-consultation is not required if applying for standard or additional works (Schedule A of the Agreement) under Transfer Review.
- Pre-consultation with local District office of MECP is recommended for direct submission.
- Consultant completes an MECP request form for a pre-consultation. Sends request to moeccottawasewage@ontario.ca
- [ECA applications are required to be submitted online through the MECP portal. A business account required to submit ECA application. For more information visit https://www.ontario.ca/page/environmental-compliance-approval](https://www.ontario.ca/page/environmental-compliance-approval)

- g. [It is unclear if the proposed development will remain as one property. An ECA will be required where the stormwater management services more than one property parcel.](#)

NOTE: Site Plan Approval, or Draft Approval, is required before any Ministry of the Environment and Climate Change (MOECC) application is sent.

General Service Design Comments

- The City of Ottawa requests that all new services be located within the existing service trench to minimize necessary road cuts.
- Monitoring manholes should be located within the property near the property line in an accessible location to City forces and free from obstruction (i.e. not a parking).
- Where service length is greater than 30 m between the building and the first maintenance hole / connection, a cleanout is required.
- The City of Ottawa Standard Detail Drawings should be referenced where possible for all work within the Public Right-of-Way.
- The upstream and downstream manhole top of grate and invert elevations are required for all new sewer connections.
- Services crossing the existing watermain or sewers need to clearly provide the obvert/invert elevations to demonstrate minimum separation distances. A watermain crossing table may be provided.

Other

Are there are Capital Works Projects scheduled that will impact the application?

Yes

No

References and Resources

-
- As per section 53 of the Professional Engineers Act, O. Reg 941/40, R.S.O. 1990, all documents prepared by engineers must be signed and dated on the seal.
 - All required plans are to be submitted on standard A1 size sheets (594mm x 841mm) sheets, utilizing a reasonable and appropriate metric scale as per City of Ottawa Servicing and Grading Plan Requirements: title blocks are to be placed on the right of the sheets and not along the bottom. Engineering plans may be combined, but the Site Plans must be provided separately. Plans shall include the survey monument used to confirm datum. Information shall be provided to enable a non-surveyor to locate the survey monument presented by the consultant.
 - All required plans & reports are to be provided in *.pdf format (at application submission and for any, and all, re-submissions)
 - Please find relevant City of Ottawa Links to Preparing Studies and Plans below:
<https://ottawa.ca/en/city-hall/planning-and-development/information-developers/development-application-review-process/development-application-submission/guide-preparing-studies-and-plans#standards-policies-and-guidelines>
 - To request City of Ottawa plan(s) or report information please contact the City of Ottawa Information Centre:
InformationCentre@ottawa.ca<mailto:InformationCentre@ottawa.ca>
(613) 580-2424 ext. 44455

- geoOttawa
<http://maps.ottawa.ca/geoOttawa/>

4. Initial Planning Comments (Tracey Scaramozzino)

- Rezoning is req'd for lifting of the holding provision, and to increase floorplate size
- More comments will be provided once more detailed plans are submitted.
- Concern over the abundance of vehicular parking that is being provided – especially when NO parking is required.
- Sidewalks on the east-west road should be on both sides, as detailed in the Secondary Plan. The sidewalks are currently only shown on the south side.
- Ensure ample plantings within the site and along perimeter and along the transit plaza – along with street furniture
- Discuss proposal with local Councillor and Community Associations
- Subject to the UDRP
- Ensure metric dimensions are on the actual submission drawings.
- Provide ped connection out from cul-de-sac out to private road into the medical bldg.
- (This site has a drop-off space in front of the 6-storey podium, while none of the other buildings/phases have one because this site has been more detailed)
- Show adequate/ample amenity space inside and outside.
- As per Applicant's request on projections, please see S. 64 of the Zoning Bylaw which permits projections (with caveats) for "mechanical and service equipment penthouse, elevator or stairway penthouses – bylaw 2014-94"
- Will the transit plaza be conveyed to the City or stay under private ownership?

5. Urban Design Comments (Mark Young)

- The subject site is located in a Design Priority Area. The applications will be subject to the review of the Urban Design Review Panel.
- A Design Brief is required as part of your application submission. A terms of reference is included.
- Thank you for providing concept plans for the entire redevelopment of the subject lands. This is very helpful in understanding how the first phase fits within the larger long-term vision.

Zoning By-law Amendment:

- Additional information, study and justification are required to support an increase in the floorplate size above the currently required maximum of 750 sq. m. as indicated in the Secondary Plan and Zoning By-law.

Site Plan Application:

1. It is understood that the proposed internal streets will be private. They should be designed to look and feel like public streets and be accessible to the general public. Please provide additional cross-sections to provide a better sense of what is proposed within the private streets.
2. A private street adjacent to the Transit Plaza may be challenging, given a general desire to use this for drop off and pick up associated with the transit station.
3. Layout and access as they relate to this site and the transit station should be included as part of design brief materials.
4. Grade related units should be considered where feasible and designed to allow for the appropriate relationship between public and private realm.

6. Parks (Phil Castro)

- a. Parkland dedication will be required as a condition of site plan control. The determination of the parkland area to be dedicated will be in accordance with the City's Parkland Dedication By-law and will be capped at 10 percent of the land area under consideration for residential apartment purposes. As discussed during the preapplication consultation meeting, the final parkland area to be dedicated will depend upon the future proposed uses and densities. How this is determined and addressed will require further discussion during the review of a formal submission.

7. Trees (Mark Richardson)

TCR requirements:

1. a Tree Conservation Report (TCR) must be supplied for review along with the suite of other plans/reports required by the City
 - a. an approved TCR is a requirement of Site Plan approval.
2. As of January 1 2021, any removal of privately-owned trees 10cm or larger in diameter, or publicly (City) owned trees of any diameter requires a tree permit issued under the Tree Protection Bylaw (Bylaw 2020 – 340); the permit will be based on an approved TCR and made available at or near plan approval.
3. The Planning Forester from Planning and Growth Management as well as foresters from Forestry Services will review the submitted TCR
 - a. If tree removal is required, both municipal and privately-owned trees will be addressed in a single permit issued through the Planning Forester
 - b. Compensation may be required for city owned trees – if so, it will need to be paid prior to the release of the tree permit
4. the TCR must list all trees on site by species, diameter and health condition
5. please identify trees by ownership – private onsite, private on adjoining site, city owned, co-owned (trees on a property line)

6. the TCR must list all trees on adjacent sites if they have a critical root zone that extends onto the development site
7. If trees are to be removed, the TCR must clearly show where they are, and document the reason they cannot be retained
8. All retained trees must be shown and all retained trees within the area impacted by the development process must be protected as per City guidelines available at [Tree Protection Specification](#) or by searching Ottawa.ca
 - a. the location of tree protection fencing must be shown on a plan
 - b. show the critical root zone of the retained trees
 - c. if excavation will occur within the critical root zone, please show the limits of excavation
9. the City encourages the retention of healthy trees; if possible, please seek opportunities for retention of trees that will contribute to the design/function of the site.
10. For more information on the process or help with tree retention options, contact Mark Richardson mark.richardson@ottawa.ca or on [City of Ottawa](#)

LP tree planting requirements:

For additional information on the following please contact tracy.smith@Ottawa.ca

Minimum Setbacks

- Maintain 1.5m from sidewalk or MUP/cycle track.
- Maintain 2.5m from curb
- Coniferous species require a minimum 4.5m setback from curb, sidewalk or MUP/cycle track/pathway.
- Maintain 7.5m between large growing trees, and 4m between small growing trees. Park or open space planting should consider 10m spacing.
- Adhere to Ottawa Hydro's planting guidelines (species and setbacks) when planting around overhead primary conductors.

Tree specifications

- Minimum stock size: 50mm tree caliper for deciduous, 200cm height for coniferous.
- Maximize the use of large deciduous species wherever possible to maximize future canopy coverage
- Tree planting on city property shall be in accordance with the City of Ottawa's Tree Planting Specification; and include watering and warranty as described in the specification (can be provided by Forestry Services).
- Plant native trees whenever possible
- No root barriers, dead-man anchor systems, or planters are permitted.
- No tree stakes unless necessary (and only 1 on the prevailing winds side of the tree)

Hard surface planting

- Curb style planter is highly recommended
- No grates are to be used and if guards are required, City of Ottawa standard (which can be provided) shall be used.
- Trees are to be planted at grade

Soil Volume

- Please ensure adequate soil volumes are met:

| Tree Type/Size | Single Tree Soil Volume (m3) | Multiple Tree Soil Volume (m3/tree) |
|----------------|------------------------------|-------------------------------------|
| Ornamental | 15 | 9 |
| Columnar | 15 | 9 |
| Small | 20 | 12 |
| Medium | 25 | 15 |
| Large | 30 | 18 |
| Conifer | 25 | 15 |

Sensitive Marine Clay

- Please follow the City's 2017 Tree Planting in Sensitive Marine Clay guidelines

8. Environment (Matthew Hayley)

1. Sawmill Creek runs along a portion of the eastern boundary of the larger site (visible on page 3 of the Concept Master Plan along Bank Street). That area currently zoned EP will need to continue be zoned EP and set aside. The redevelopment site does not share a boundary with Sawmill Creek, however any servicing and site alterations need to support the redevelopment adjacent to the watercourse will need to be mindful of the impact on the feature and the direction from the RVCA followed.
2. Bird Safe Design, Given the height of the proposal (mid to high rise) the proposal will need to review and incorporate bird safe design elements and as part of the site plan a review of elevation drawings will be needed to assess impact due to the proximity of green corridor to the west. Please review the Bird Safe Design Guidelines for details however in brief some items of concern are glass and related design traps such as corner glass and fly-through conditions, ventilation grates and open pipes, some types of landscaping, and light pollution.
3. Consider the impact this site has on the urban heat island effect and look for ways to reduce the heat generated through the provision of shade or other approaches (look to the high performance building standards for example).

9. Conservation Authority (Jamie Batchelor, RVCA)

Stormwater Management

Any new development will need to be in accordance with the Samwill Creek Subwatershed Study. This includes water quality treatment of 'enhanced' (80%TSS Removal). The opportunity for the inclusion of LID measures should be considered for the stormwater management plan.

10. Transportation (Pat McMahon)

- Ensure that a Transportation Impact Assessment (TIA) Screening form is included with the application. In this case, a TIA is required and should be started as soon as possible.
 - o Start this process as soon as possible.
 - o An update to the TRANS Trip Generation Manual has been completed (October 2020). This manual (and trip calculator) is to be utilized for this TIA and can be provided upon request.
 - o Applicant advised that their application will not be deemed complete until the submission of the draft step 1-4, including the functional draft RMA package and/or monitoring report (if applicable). Collaboration and communication between development proponents and City staff are required at the end of every step of the TIA process.
- Noise Impact Studies required for the following:
 - o Road (within 100m of light rail corridor)
 - o Aircraft (within the Airport Vicinity Development Zone)
- Clear throat requirements for residential developments with greater than 200 units and accessing a collector road are 25m.
- As the proposed site is commercial and residential, AODA legislation applies to all areas accessible to the public (i.e. outdoor pathways, parking, etc.).
- On site plan:
 - o Show all details of the roads abutting the site up to and including the opposite curb; include such items as pavement markings, accesses and/or sidewalks.
 - o Turning templates will be required for all accesses showing the largest vehicle to access the site; required for internal movements and at all access (entering and exiting and going in both directions).
 - o Show all curb radii measurements; ensure that all curb radii are reduced as much as possible
 - o Show lane/aisle widths.
 - o Sidewalk is to be continuous across accesses as per City Specification 7.1.
- Site is within 100m of future South Keys LRT Station – therefore TOD measures apply. As per the South Keys to Blossom Park CDP, a site-specific plan as well as a local Transportation Management Association is encouraged. To achieve

target mode shares within TOD zones, we highly recommend developments to provide as many TDM measures as possible. Given the need for sustainable travel modes, providing at least one bicycle space per unit is strongly encouraged. To reduce provided parking costs, car-sharing options would be equitable for the residents and could also save the development in costs for providing and maintaining the parking structure.

- As per the CDP, 30m ROW protection is encouraged along Daze. As the development progresses, be aware that the frontage along Daze may change, and the layout of the plaza as well as a result.
- The plaza forms part of the Hunt Club Neighbourhood Extension, consider working with the cycling group to consolidate efforts.
- Sidewalks are required on both sides of local streets, as per the CDP.

11. OC Transpo/O-train (Erica Springate will comment on future revisions)

- a. There won't be any changes to the OC Transpo Bus station at South Keys. The only changes will be the pedestrian underpass between the Bus Station and O-train and the O-train platform itself (Tracey Scaramozzino, via Mark Antunes-Alves)
- b. The former Trillium Line service operated at a 12-minute headway in all time periods. The timing will remain, once the Trillium Line expansion is complete.
- c. The Confederation Line runs between a 3-5 minute headway. (Tracey via Matthew Wolstenholme)

12. Waste Collection

- a. Please see City's Waste Management Guidelines for multi-unit residential:
<http://ottawa.ca/calendar/ottawa/citycouncil/pec/2012/11-13/Solid%20Waste%20Collection%20Guidelines%20-%20Doc%201.pdf>

13. General Information

- a. Ensure that all plans and studies are prepared as per City guidelines – as available online...
<https://ottawa.ca/en/city-hall/planning-and-development/information-developers/development-application-review-process/development-application-submission/guide-preparing-studies-and-plans>

Step 1 & 2 Submission (Screening & Scoping) – Circulation Comments & Response

Report Submitted: June 23, 2021

Comments Received: July 9, 2021

Transportation Project Manager: Patrick McMahon

- 1) Section 3.2.1.3 Intersections: Note the cycling and pedestrian infrastructure in the descriptions (zebra cross-walks, bike lanes, etc.). The descriptions of the east and west legs of the Dazé/South Keys intersection are reversed. At Hunt Club/Dazé, buses and bicycles are permitted to use the right-turn lane as a through lane. No U-turns permitted in the eastbound and westbound directions of Hunt Club at the Airport Parkway.
 - **IBI Response: Noted, Section 3.2.1.3 of the TIA has been updated accordingly.**
- 2) Section 3.2.2 Existing Bicycle and Pedestrian Facilities: Include the Sawmill Creek Pathway.
 - **IBI Response: Noted, Section 3.2.2 of the TIA has been updated accordingly.**
- 3) Section 3.2.3 Existing Transit Facilities and Service: Note that routes 6, 92, 99, 197, 198, 199 and 299 also operate from South Keys Station.
 - **IBI Response: Noted, Section 3.2.3 of the TIA has been updated accordingly.**
- 4) Section 3.3.1.2 Future Transit Facilities and Services: Planned frequency in the future for line 2 is to remain at 12 minutes.
 - **IBI Response: Noted, Section 3.3.1.2 of the TIA has been updated accordingly.**
- 5) Section 3.3.1.3 Future Cycling and Pedestrian Facilities: Include project P2-19 of the Ottawa Cycling Plan – Hunt Club Neighbourhood Bikeway Extension to Airport Parkway Bridge. This will run through the proposed transit plaza.
 - **IBI Response: Noted, Section 3.3.1.3 of the TIA has been updated accordingly.**
- 6) Will the full build-out of the Master Plan be quantified with accompanying trip generation?
 - **IBI Response: Step 3 will include an estimate of trips relating to the full master plan of this development site (Phases 1-4).**

Step 3 Submission (Forecasting) – Circulation Comments & Response

Report Submitted: August 9, 2021

Comments Received: August 31, 2021

Transportation Project Manager: Patrick McMahon

- 1) Section 4.1.2.2 Mode Share Proportions: While it is appreciated that the targets given are intended to be conservative, given the proximity to the LRT station as well as continuing BRT Service, a 45% transit mode share upon buildout of Phase 1 is too low, especially for the AM peak where that mode share would likely be exceeded today without the LRT. TDM Measures and/or monitoring may be required within the strategy report to support higher targets, but every incentive should be considered to encourage higher transit mode shares for future residents.
 - **IBI Response: The mode share proportions proposed result in a conservative site generatio. TDM measures will be provided in the Analysis section of this report to lessen the impacts of the site generated traffic on the study area intersections. Sustainable mode shares for the South Keys TOD zone shown in the 2020 TRANS Trip Generation Manual: Appendix B indicate that the transit mode share is considerably lower when compared to most other TOD zones, especially along the Confederation Line.**

- 2) Section 4.1.3 Trip Distribution and Assignment: Given the known capacity issues at Bank/Hunt Club, consider some rationalization of the to/from north and east demand from Bank Street to Hunt Club. Justify the 20% allocation of to/from west volumes onto Bank from Walkley Road. Reproduce exhibits 6,7,8,12,13, and 14. The existing development trips were not removed.
 - **IBI Response: Section 4.1.3 of the TIA has been updated accordingly. Background traffic exhibits assume the existing developments are still present until the new development has been completed. The existing development generated trips are subtracted in the Total Traffic exhibits. These developments are also expected to remain in operation until the later stages of the development (Phases 2 to 4).**

- 3) Section 4.2.1 Changes to Background Transportation Network: Adjust or remove mention of the 3,600 person-trips/hour capacity of Line 2. Published capacity of the Stadler FLIRT train is 420 persons, therefore $420 \times 5 = 2,100$ /direction/hour. The transitway is not being replaced as part of LRT construction.
 - **IBI Response: Noted, Section 4.2.1 of the TIA has been updated accordingly.**

Appendix B – Screening Form

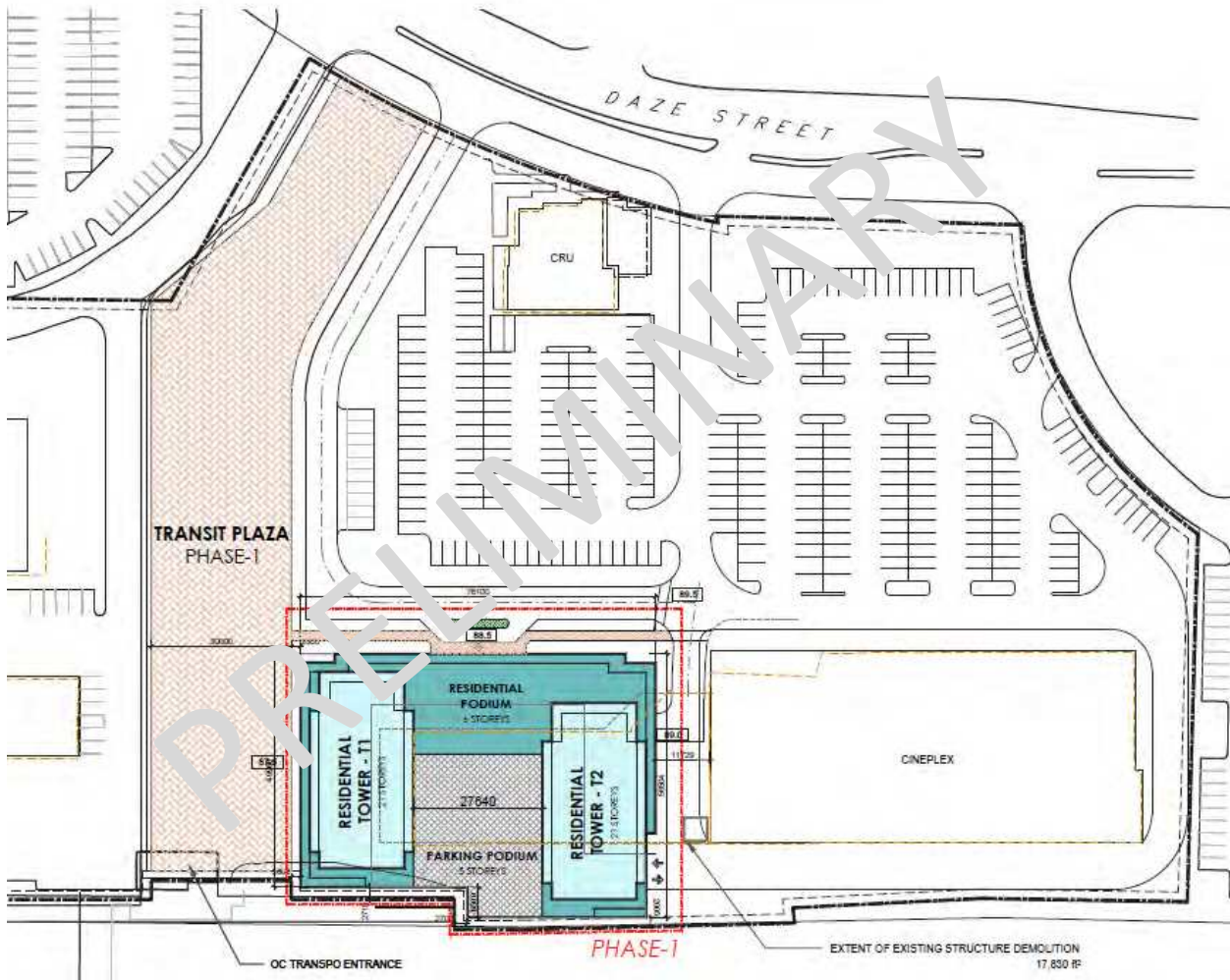
City of Ottawa 2017 TIA Guidelines Screening Form

1. Description of Proposed Development

| | |
|--------------------------|--|
| Municipal Address | 2200 Bank St and 1131 Hunt Club Road, Ottawa ON |
| Description of Location | <p>The site is situated southwest of Bank Street with direct frontage on Dazé St. It is adjacent to the South Keys Shopping Centre, the Transitway and the future South Keys LRT Station.</p>  <p><i>Note: Orange is overall site, Red is redevelopment site, Blue is Phase 1</i></p> |
| Land Use Classification | Mixed-Use (High-Rise Residential & Commercial) |
| Development Size (units) | Phase 1: 481 High-Rise Residential units |

| | |
|------------------------------------|---|
| Development Size (m ²) | Phase 1: Commercial Uses – 629.6 m ² (6,777 ft ²) |
| Number of Accesses and Locations | <ul style="list-style-type: none"> • Dazé St <ul style="list-style-type: none"> ○ One (1) New Right-In/Right out access ○ One (1) Existing “3/4” Access |
| Phase of Development | Phase 1 of a four-phase development |
| Buildout Year | Phase 1a: 2024 Phase 1b: 2026 Full Buildout of Master Plan: 2041 |

If available, please attach a sketch of the development or site plan to this form.



2. Trip Generation Trigger



Considering the Development’s Land Use type and Size (as filled out in the previous section), please refer to the Trip Generation Trigger checks below.

| Land Use Type | Minimum Development Size |
|-------------------------------------|--|
| Single-family homes | 40 units |
| Townhomes or apartments | 90 units  |
| Office | 3,500 m ² |
| Industrial | 5,000 m ² |
| Fast-food restaurant or coffee shop | 100 m ² |
| Destination retail | 1,000 m ² |
| Gas station or convenience market | 75 m ² |

** If the development has a land use type other than what is presented in the table above, estimates of person-trip generation may be made based on average trip generation characteristics represented in the current edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual.*

Based on the above, the Trip Generation Trigger is satisfied.

3. Location Triggers

| | Yes | No |
|--|---|---|
| Does the development propose a new driveway to a boundary street that is designated as part of the City’s Transit Priority, Rapid Transit or Spine Bicycle Networks? | |  |
| Is the development in a Design Priority Area (DPA) or Transit-oriented Development (TOD) zone?* |  | |

**DPA and TOD are identified in the City of Ottawa Official Plan (DPA in Section 2.5.1 and Schedules A and B; TOD in Annex 6). See Chapter 4 for a list of City of Ottawa Planning and Engineering documents that support the completion of TIA).*

Based on the above, the Location Trigger is satisfied.

4. Safety Triggers

| | Yes | No |
|---|-------------------------------------|-------------------------------------|
| Are posted speed limits on a boundary street are 80 km/hr or greater? | | <input checked="" type="checkbox"/> |
| Are there any horizontal/vertical curvatures on a boundary street limits sight lines at a proposed driveway? | <input checked="" type="checkbox"/> | |
| Is the proposed driveway within the area of influence of an adjacent traffic signal or roundabout (i.e. within 300 m of intersection in rural conditions, or within 150 m of intersection in urban/ suburban conditions)? | <input checked="" type="checkbox"/> | |
| Is the proposed driveway within auxiliary lanes of an intersection? | | <input checked="" type="checkbox"/> |
| Does the proposed driveway make use of an existing median break that serves an existing site? | <input checked="" type="checkbox"/> | |
| Is there is a documented history of traffic operations or safety concerns on the boundary streets within 500 m of the development? | | <input checked="" type="checkbox"/> |
| Does the development include a drive-thru facility? | | <input checked="" type="checkbox"/> |

Based on the above, the Safety Trigger is satisfied.

5. Summary

| | Yes | No |
|---|-------------------------------------|----|
| Does the development satisfy the Trip Generation Trigger? | <input checked="" type="checkbox"/> | |
| Does the development satisfy the Location Trigger? | <input checked="" type="checkbox"/> | |
| Does the development satisfy the Safety Trigger? | <input checked="" type="checkbox"/> | |

Based on the results of the TIA Screening Form, the Trip Generation, Location and Safety Triggers are all satisfied. As such, a TIA is required for the proposed South Keys Shopping Centre Phase 1 development at 2200 Bank Street and 1131 Hunt Club Road.

Appendix C – Traffic Count Data



Transportation Services - Traffic Services

Turning Movement Count - Peak Hour Diagram

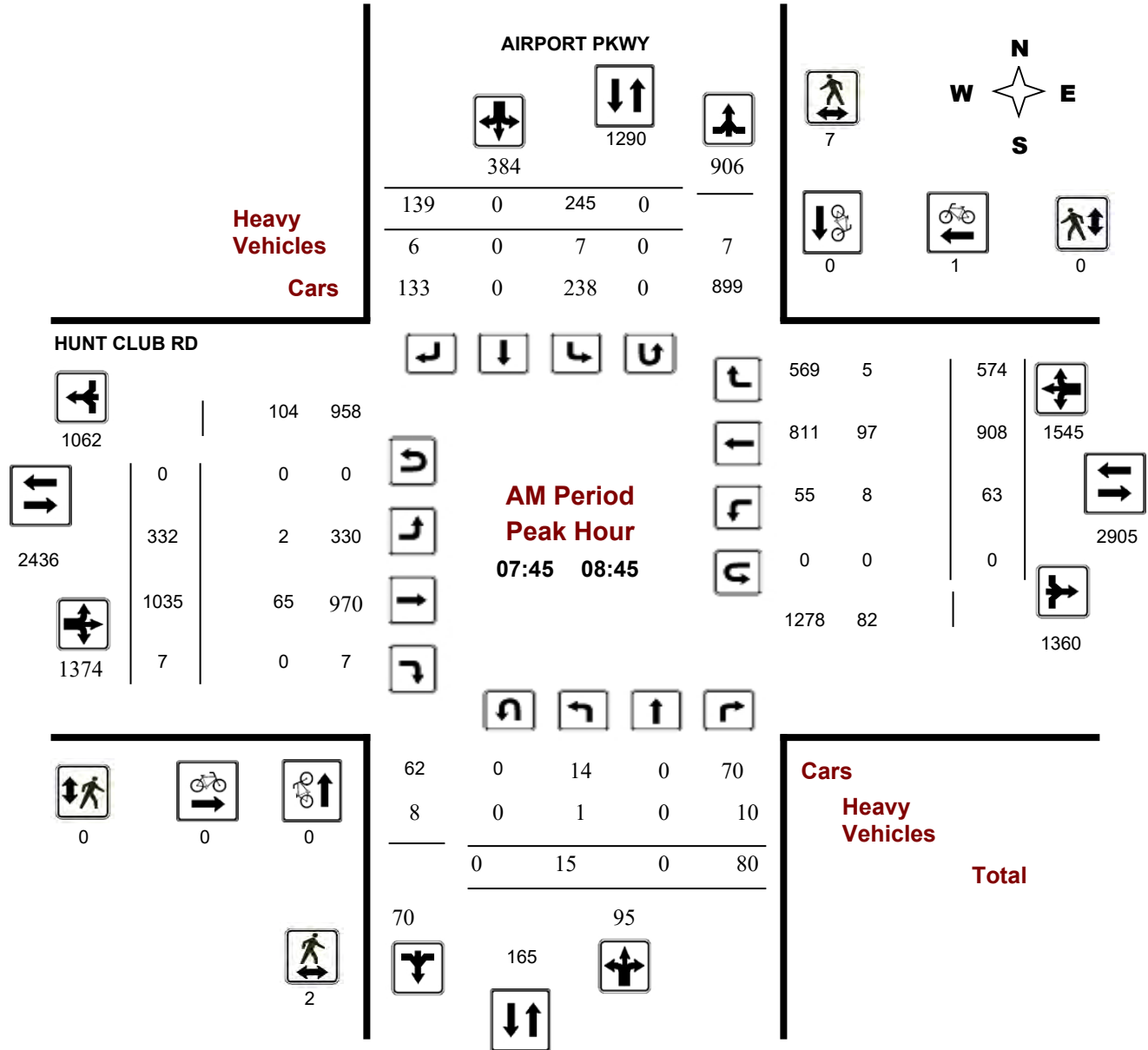
AIRPORT PKWY @ HUNT CLUB RD

Survey Date: Tuesday, November 26, 2019

Start Time: 07:00

WO No: 39099

Device: Miovision





Transportation Services - Traffic Services

Turning Movement Count - Peak Hour Diagram

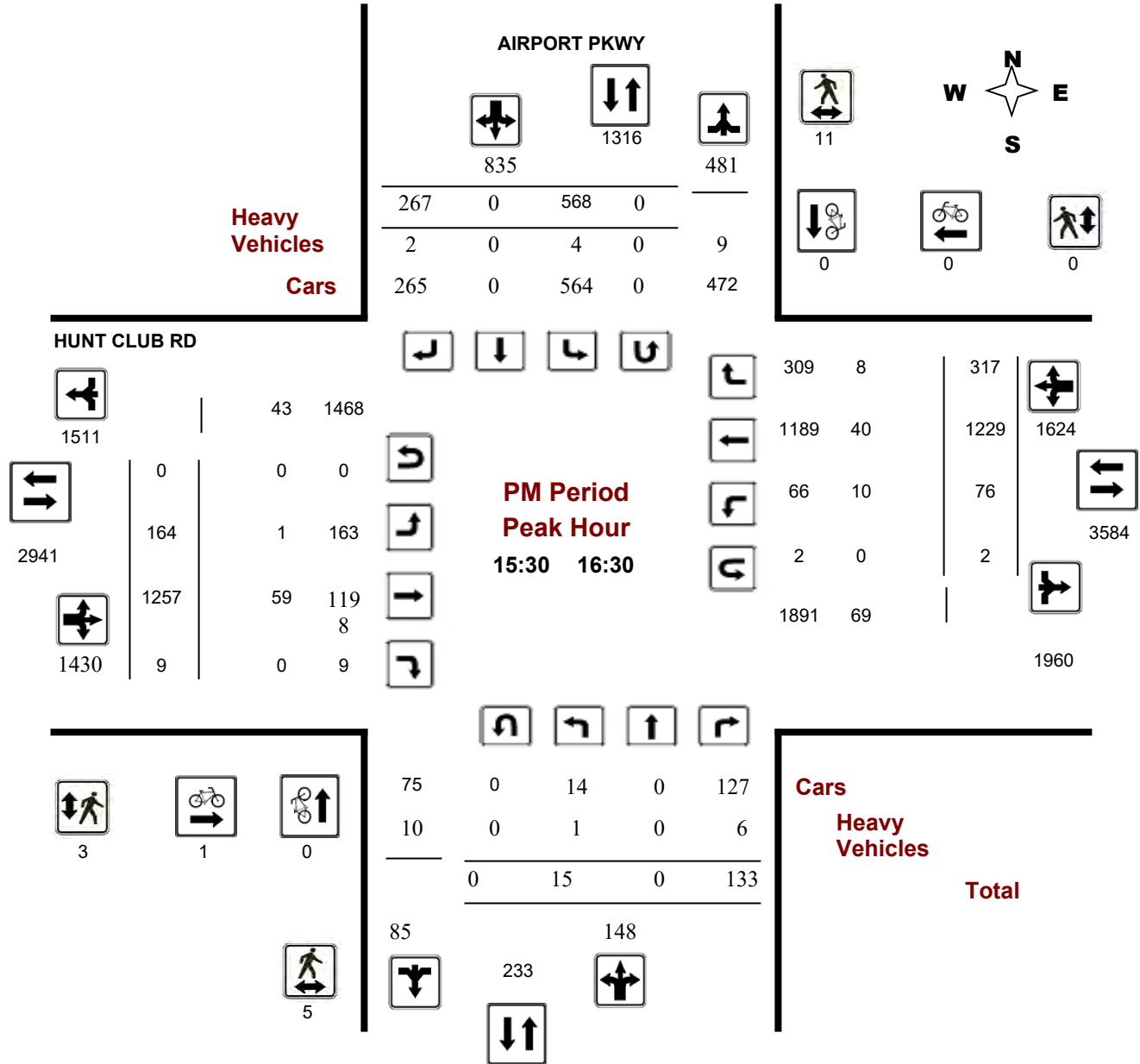
AIRPORT PKWY @ HUNT CLUB RD

Survey Date: Tuesday, November 26, 2019

Start Time: 07:00

WO No: 39099

Device: Miovision



Comments



Transportation Services - Traffic Services

Turning Movement Count - Peak Hour Diagram

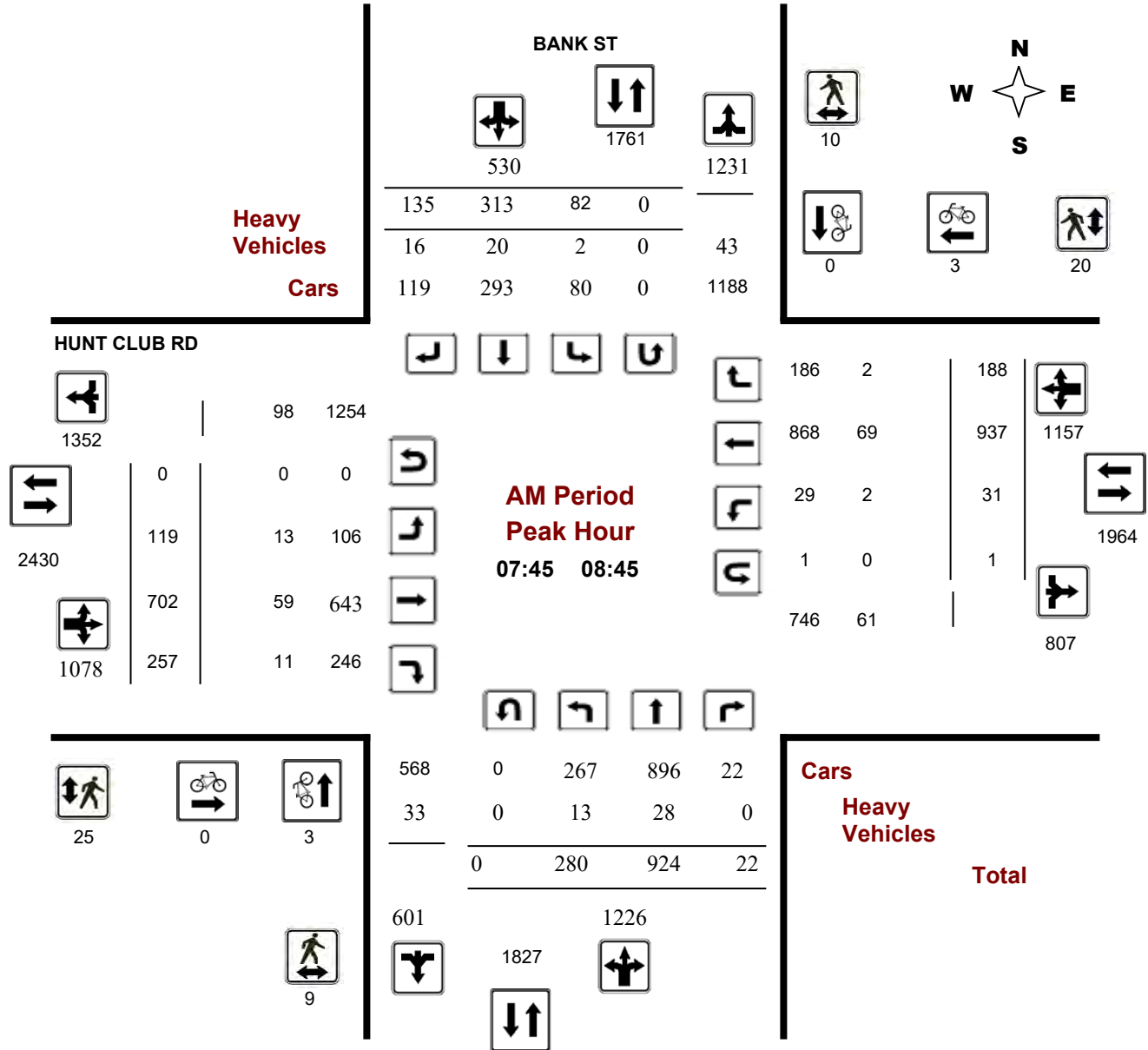
BANK ST @ HUNT CLUB RD

Survey Date: Wednesday, June 12, 2019

Start Time: 07:00

WO No: 38656

Device: Miovision



Comments



Transportation Services - Traffic Services

Turning Movement Count - Peak Hour Diagram

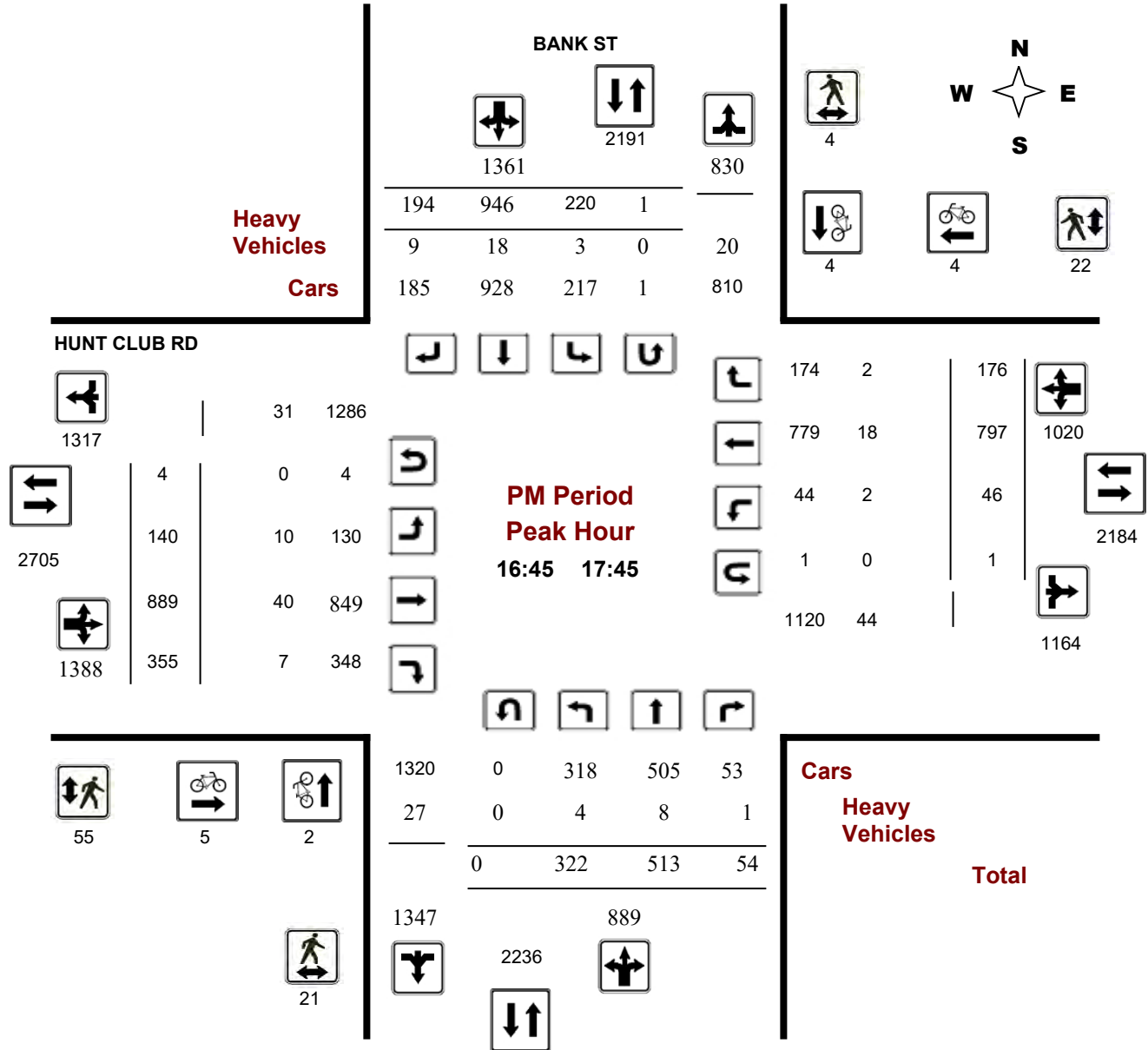
BANK ST @ HUNT CLUB RD

Survey Date: Wednesday, June 12, 2019

Start Time: 07:00

WO No: 38656

Device: Miovision





Transportation Services - Traffic Services

Turning Movement Count - Peak Hour Diagram

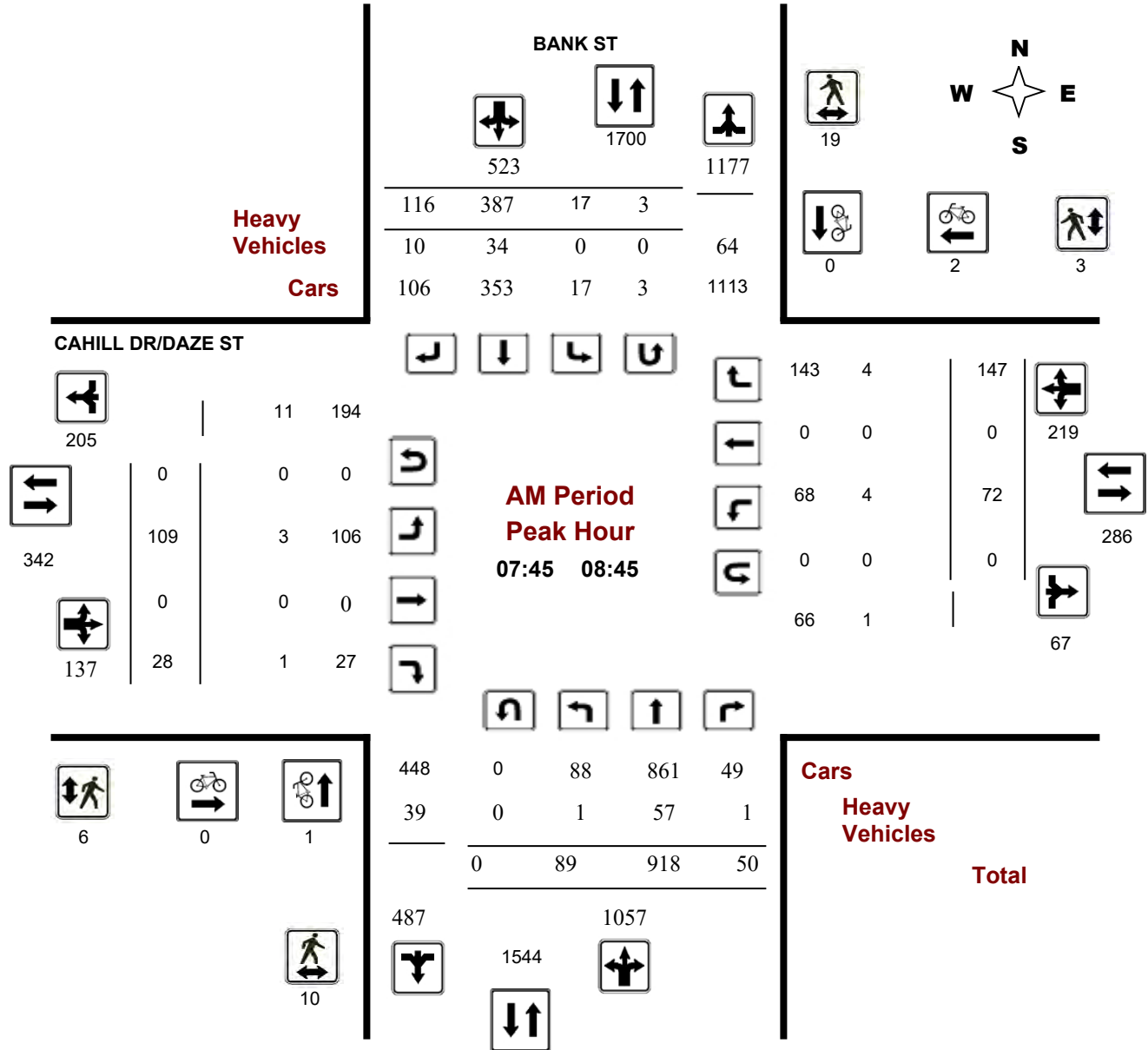
BANK ST @ CAHILL DR/DAZE ST

Survey Date: Tuesday, September 01, 2015

Start Time: 07:00

WO No: 35337

Device: Miovision





Transportation Services - Traffic Services

Turning Movement Count - Peak Hour Diagram

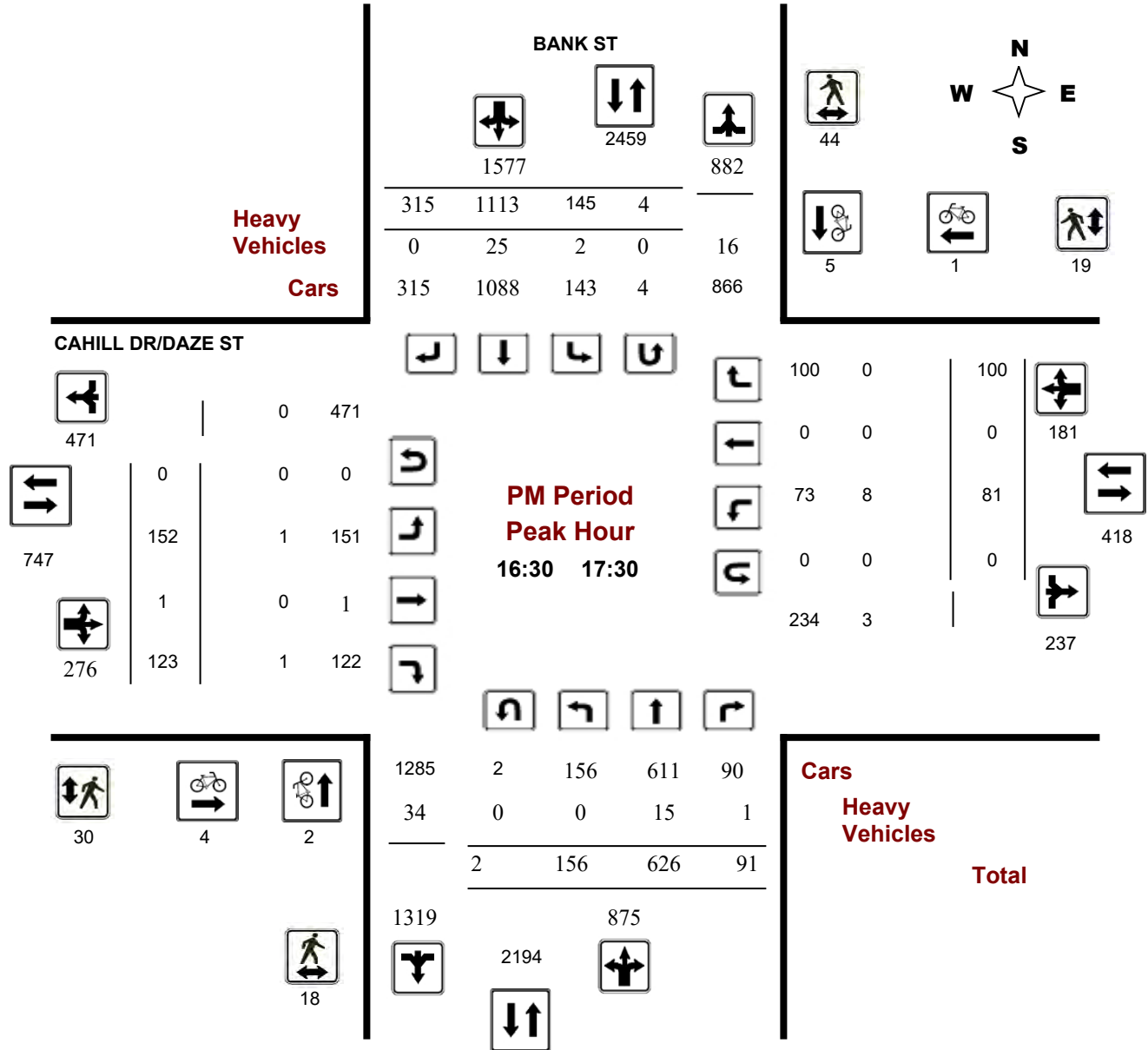
BANK ST @ CAHILL DR/DAZE ST

Survey Date: Tuesday, September 01, 2015

Start Time: 07:00

WO No: 35337

Device: Miovision





Transportation Services - Traffic Services

Turning Movement Count - Peak Hour Diagram

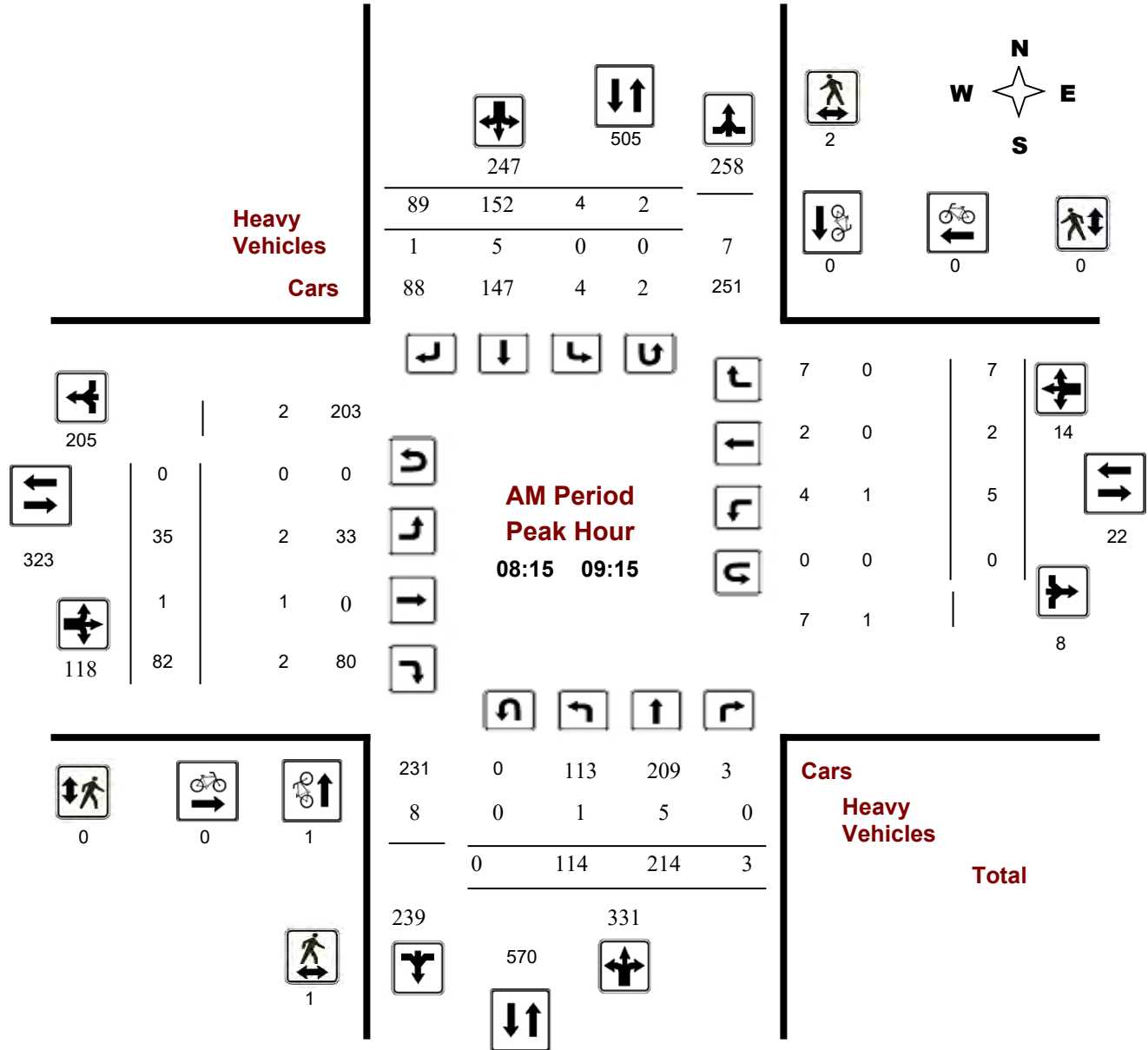
DAZE ST @ 200 W OF BANK ST/SOUTHKEYS SC

Survey Date: Thursday, April 05, 2018

Start Time: 07:00

WO No: 37695

Device: Miovision



Comments

Turning Movement Count - Peak Hour Diagram

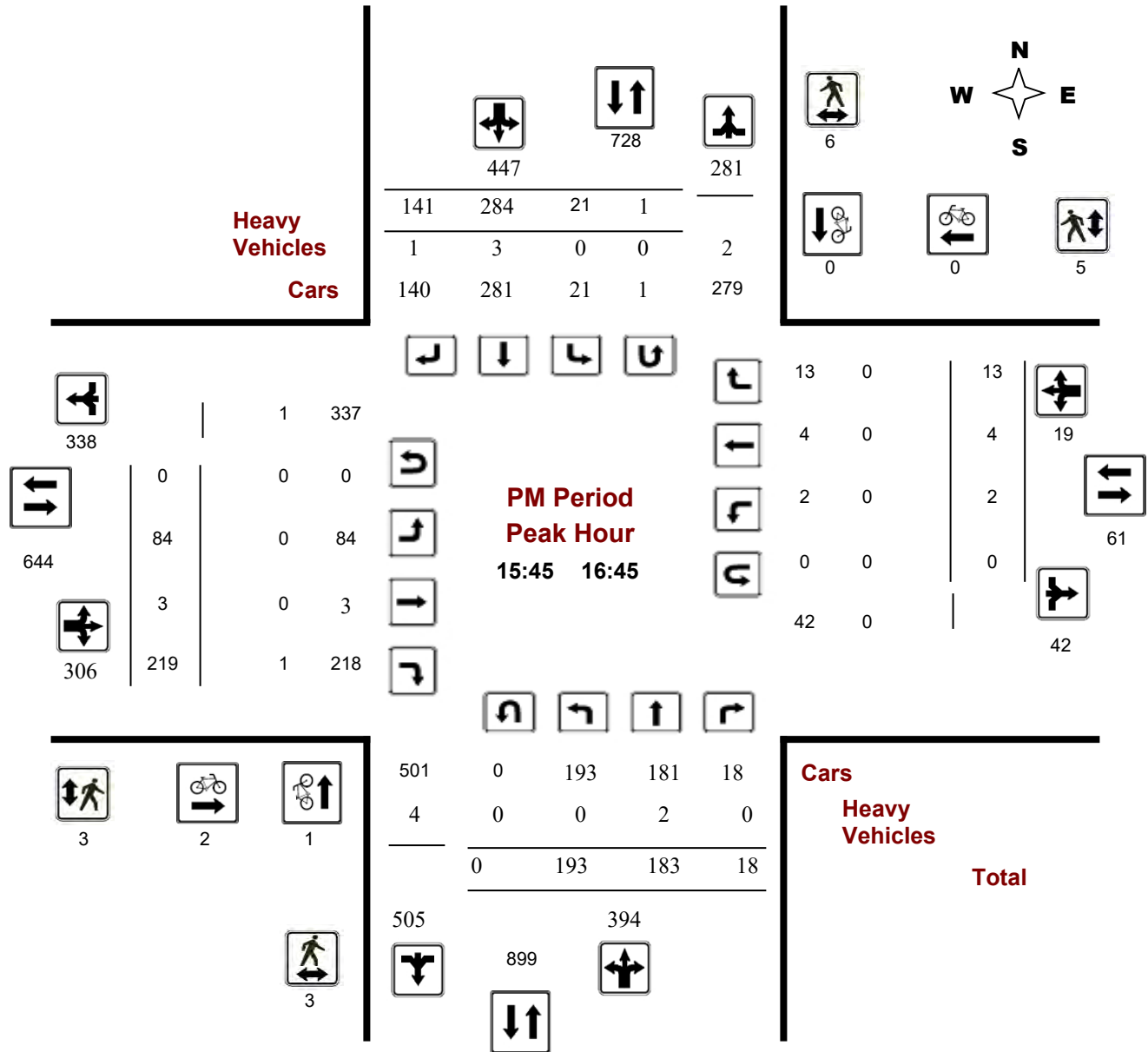
DAZE ST @ 200 W OF BANK ST/SOUTHKEYS SC

Survey Date: Thursday, April 05, 2018

Start Time: 07:00

WO No: 37695

Device: Miovision



Comments



Transportation Services - Traffic Services

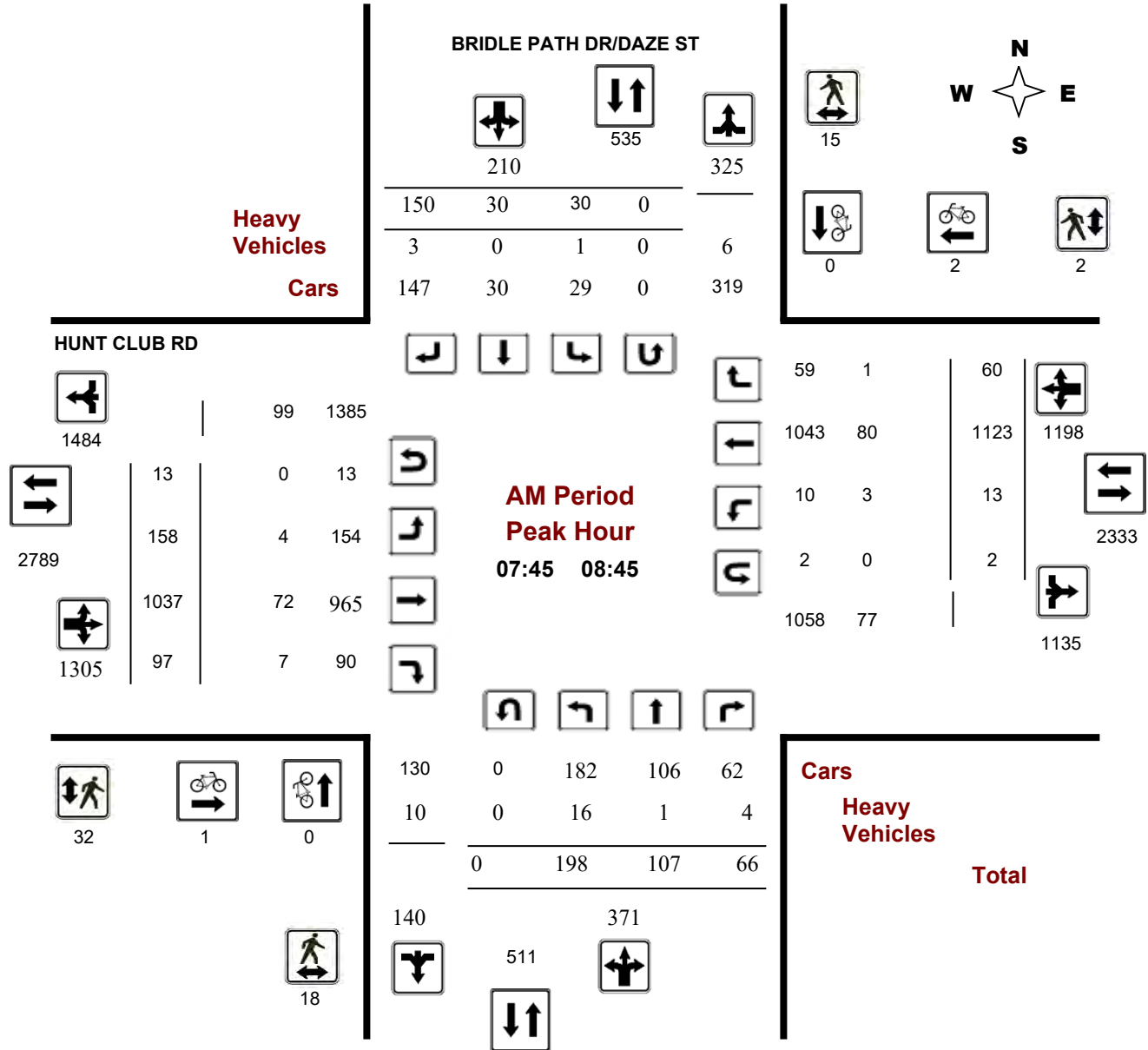
Turning Movement Count - Peak Hour Diagram HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Survey Date: Wednesday, March 20, 2019

Start Time: 07:00

WO No: 38379

Device: Miovision





Transportation Services - Traffic Services

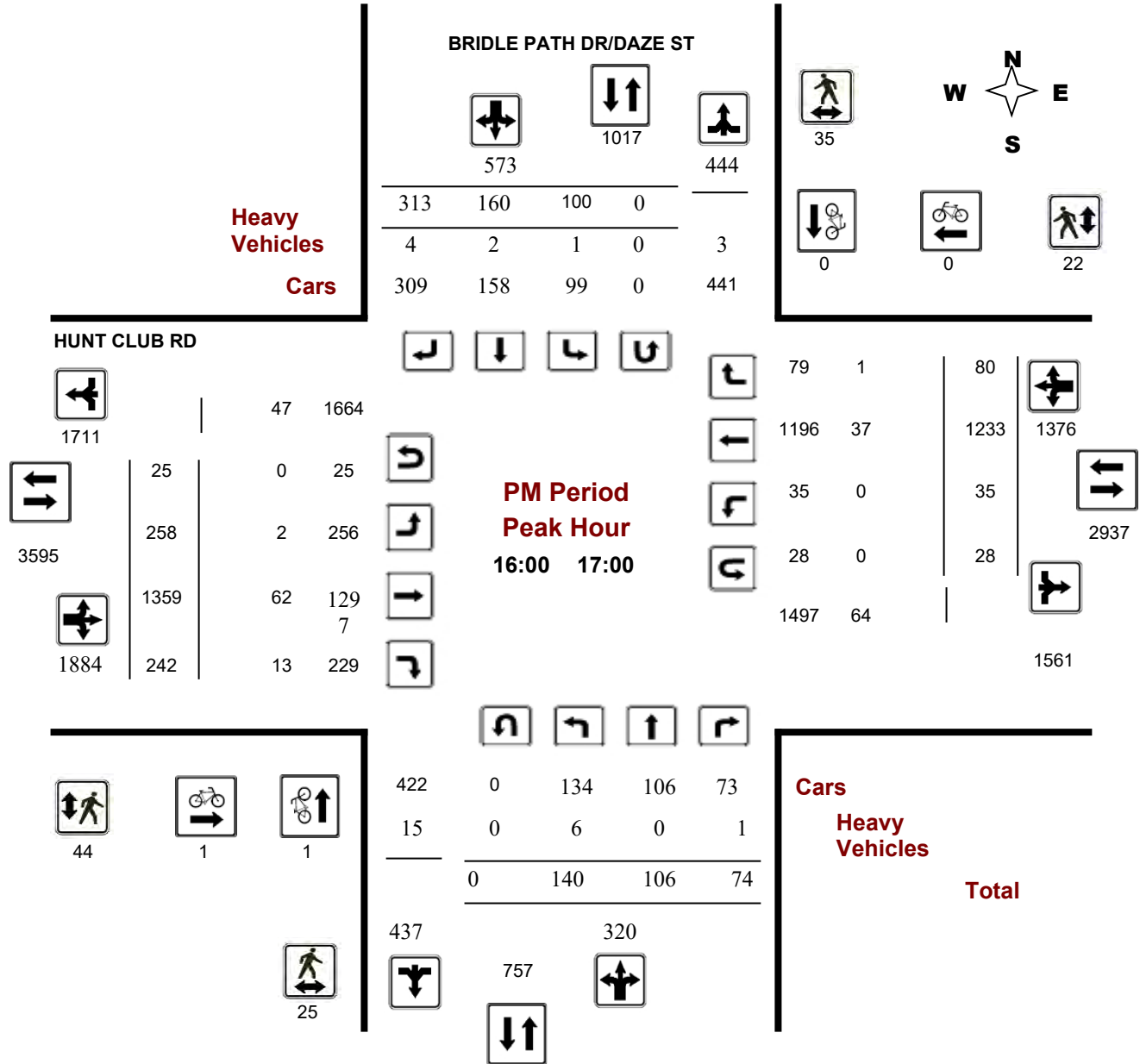
Turning Movement Count - Peak Hour Diagram HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Survey Date: Wednesday, March 20, 2019

Start Time: 07:00

WO No: 38379

Device: Miovision





Transportation Services - Traffic Services

Turning Movement Count - Study Results

HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

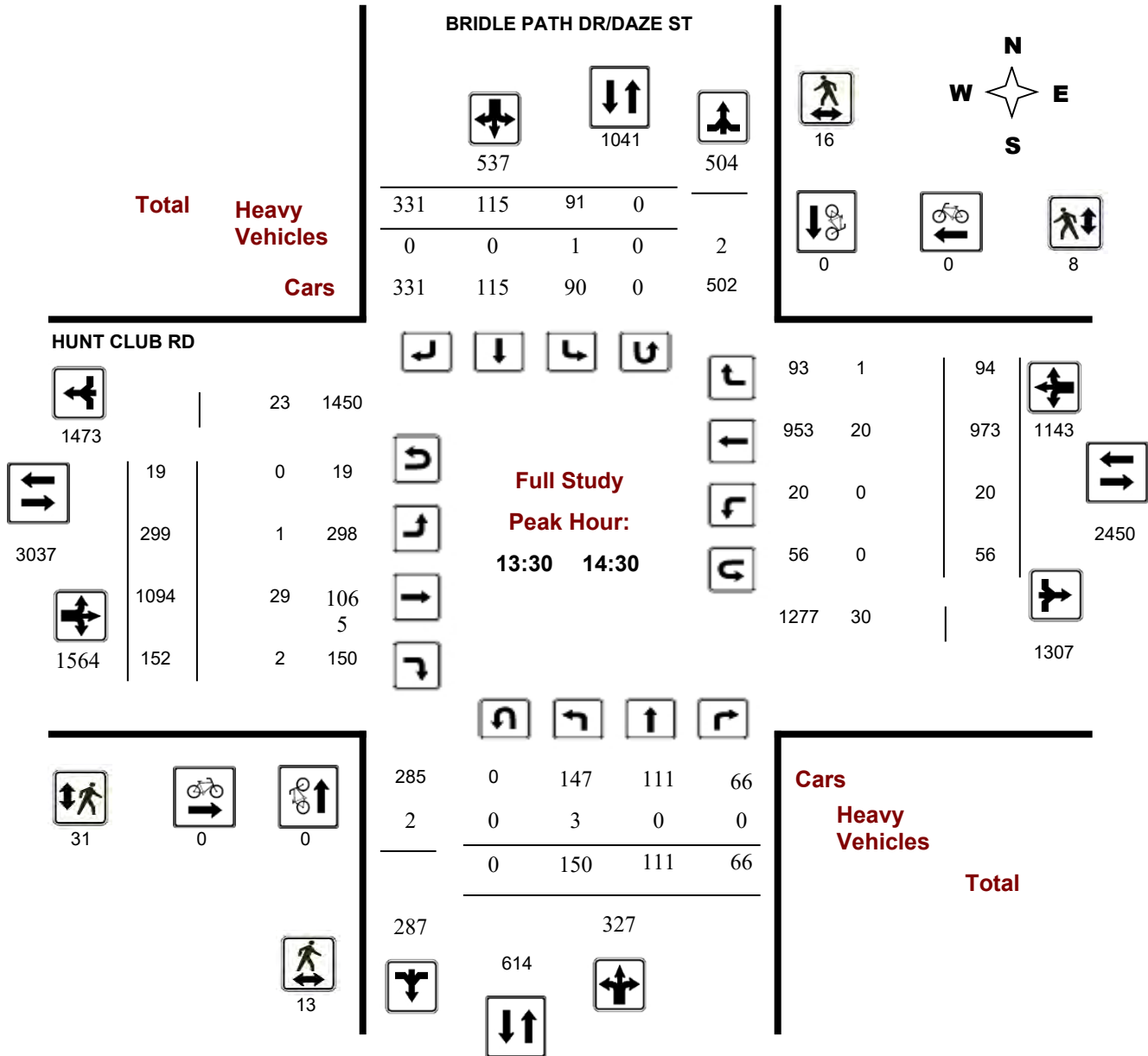
Survey Date: Saturday, February 15, 2020

WO No: 39486

Start Time: 11:00

Device: Miovision

Full Study Peak Hour Diagram



Appendix D – OC Transpo Routes

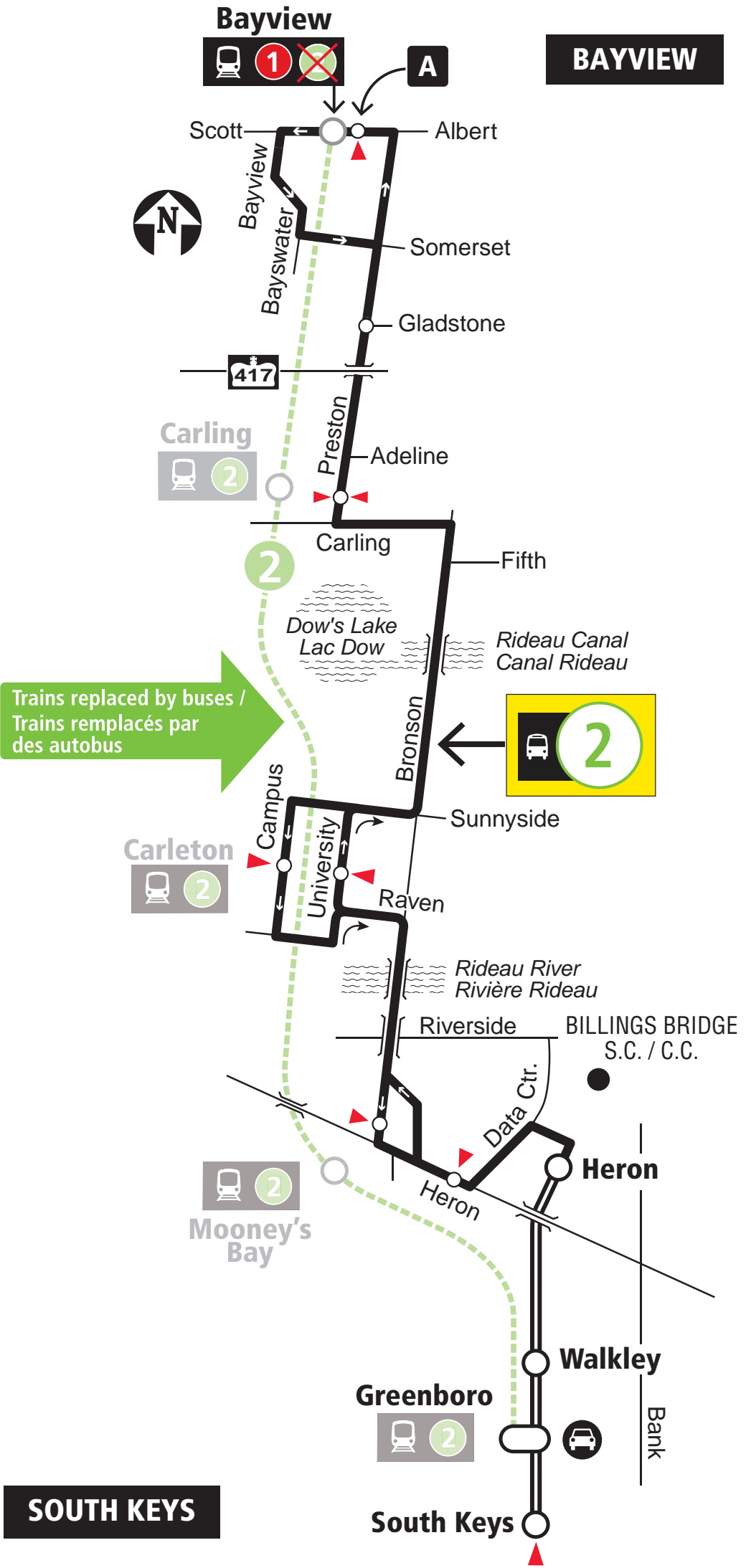


2

BAYVIEW SOUTH KEYS

Bus service during
O-Train Line 2 expansion

Service d'autobus durant le
prolongement de la Ligne 2 de l'O-Train



2020.09



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service
Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité **613-741-2478**

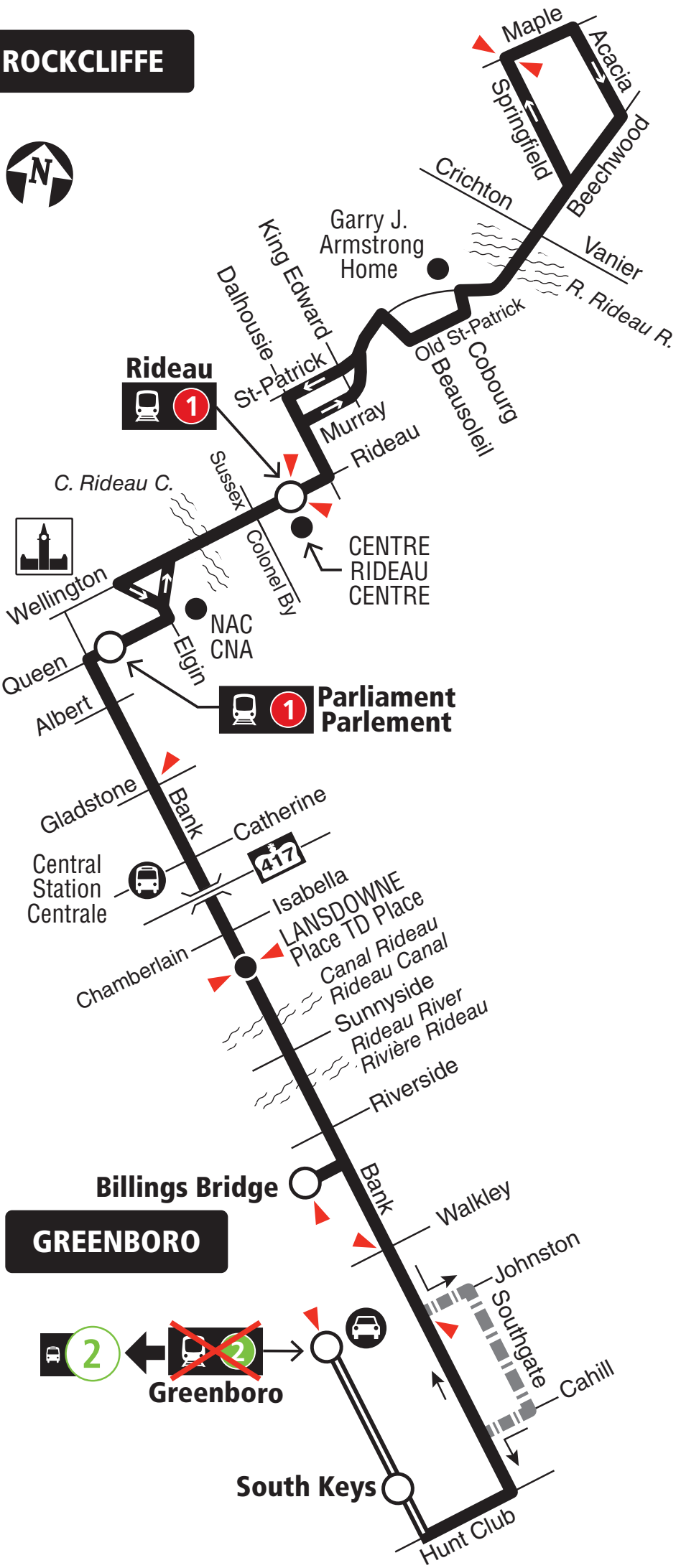
Effective Fall 2020

En vigueur automne 2020



INFO 613-741-4390
octranspo.com

ROCKCLIFFE



Transitway & Station



No early morning service /
Aucun service matinal



Park & Ride / Parc-o-Bus



Timepoint / Heures de passage



40

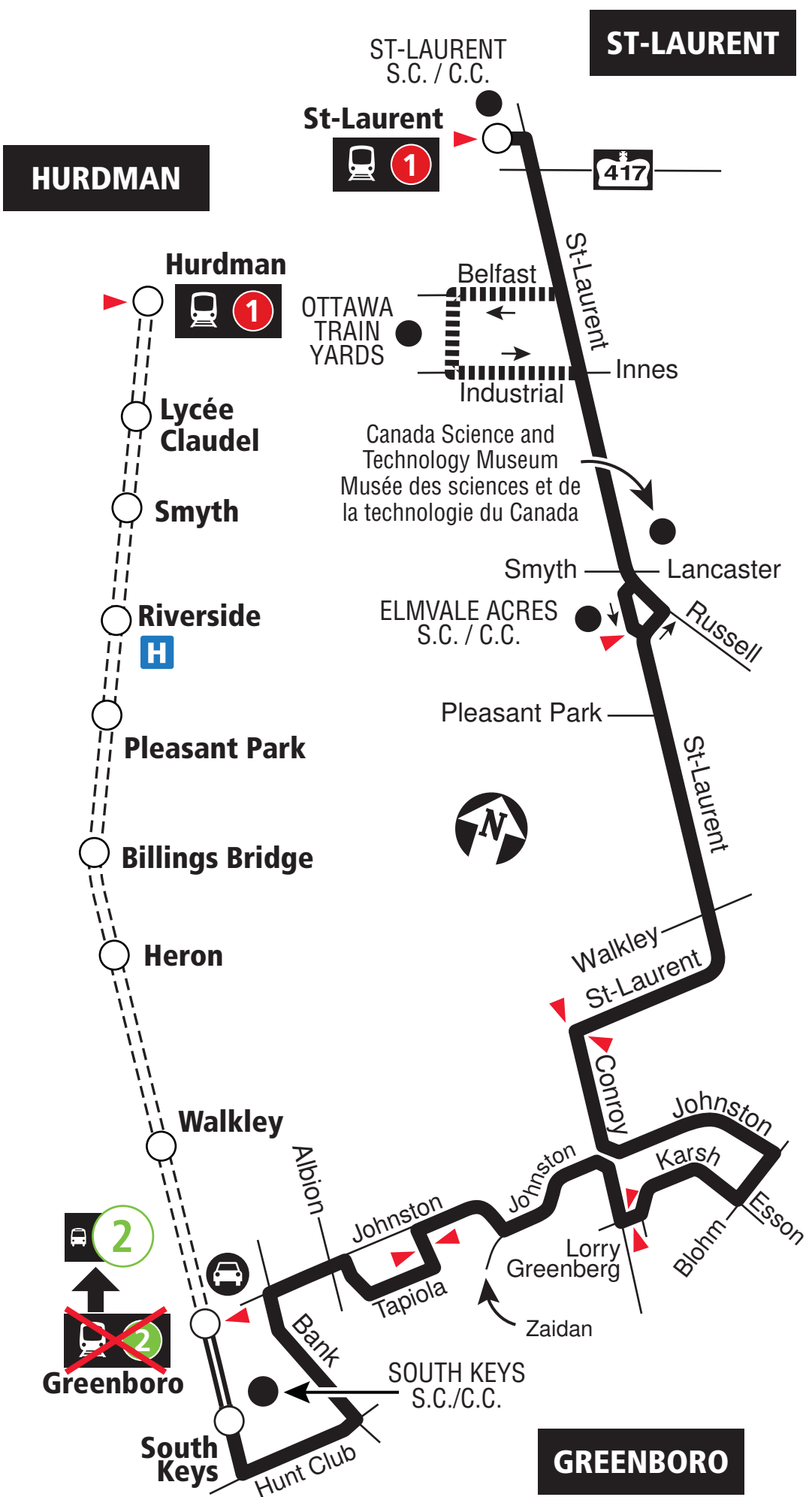
ST-LAURENT GREENBORO HURDMAN

Fréquent

7 days a week / 7 jours par semaine

All day service

Service toute la journée



- Transitway & Station
- Peak periods / Périodes de pointe
- Some trips early morning only / Quelques trajets tôt le matin seulement
- Park & Ride / Parc-o-Bus
- Timepoint / Heures de passage

2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité..... **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



90

GREENBORO HURDMAN

Fréquent

7 days a week / 7 jours par semaine

All day service

Service toute la journée

HURDMAN

Hurdman



Lycée Claudel

Smyth

Riverside **H**

Pleasant Park

BILLINGS BRIDGE

Data Centre

Billings Bridge

Heron

~~2~~ **2**

Mooney's Bay

CANADA POST
POSTES CANADA

TERRY FOX

ST. PATRICK'S HOME

MOONEY'S BAY

Brookfield

Springland

Ridgewood

Walkley

Greenboro

~~2~~ **2**

South Keys

Uplands

Paul Anka

McCarthy

Gahill

Hunt Club

Uplands

Downpatrick

Airport Pkwy
Prom. de l'aéroport

GREENBORO



Transitway & Station



Park & Ride / Parc-o-bus



Timepoint / Heures de passage

2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



92

GREENBORO HURDMAN

Local

7 days a week / 7 jours par semaine
All day service
Service toute la journée

HURDMAN

Hurdman



Lycée Claudel
Smyth

Riverside



Pleasant Park

Billings Bridge

Heron

Heron

Promenade de l'aéroport
Airport Parkway



Walkley

Walkley

Southmore

GREENBORO



Greenboro



South Keys

Bank

Uplands

Paul Anka

Hunt Club

McCarthy

Plante

McCarthy



Transitway & Station



Park & Ride / Parc-o-bus



Timepoint / Heures de passage

2020.04

Schedule / Horaire 613-560-1000

Text / Texto 560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



93

Local

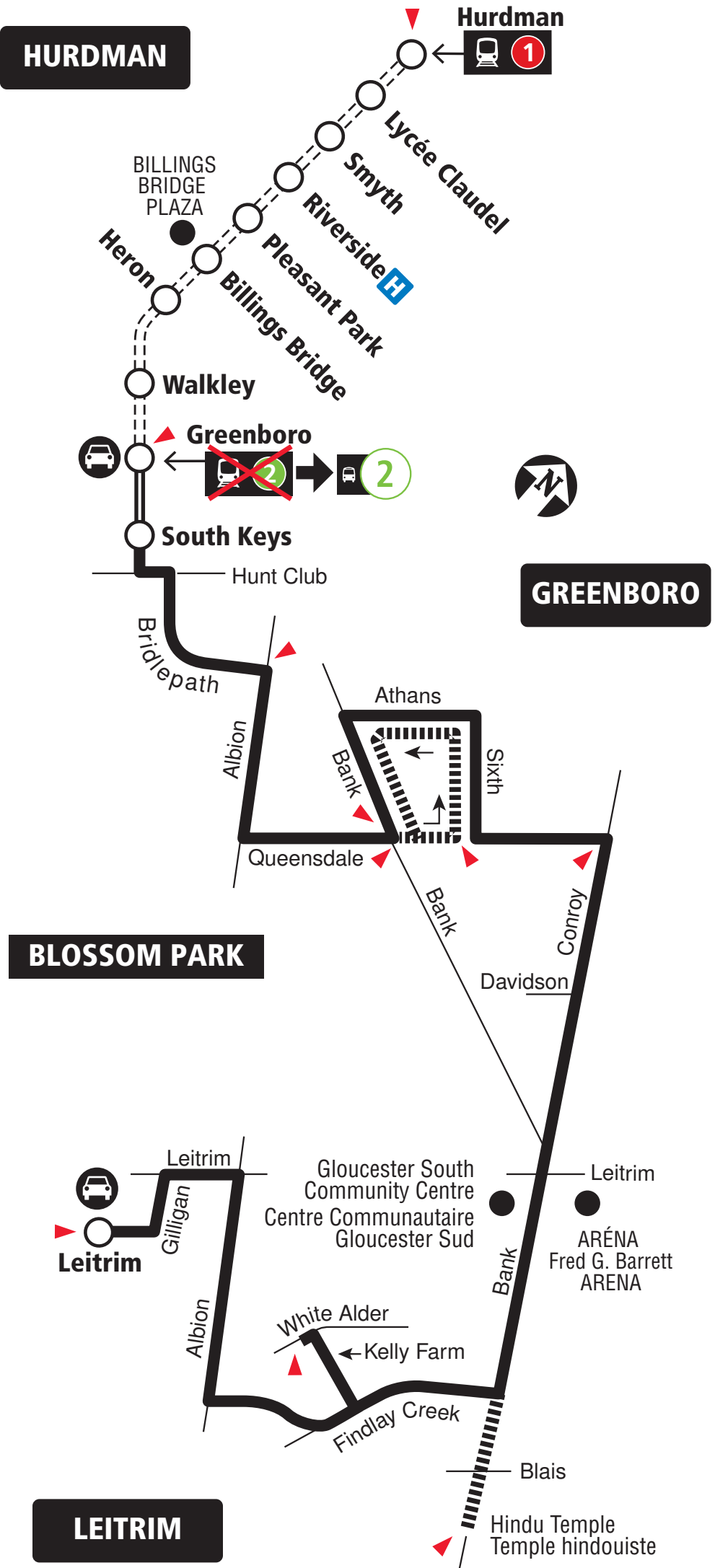
LEITRIM BLOSSOM PARK

GREENBORO HURDMAN

7 days a week / 7 jours par semaine

All day service

Service toute la journée



- Transitway & Station
- Peak periods/ Périodes de pointe
- Some Sunday trips / Quelques trajets le dimanche
- Park & Ride / Parc-o-bus
- Timepoint / Heures de passage

2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service / Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité..... **613-741-2478**

**Effective May 3, 2020
En vigueur 3 mai 2020**



INFO 613-741-4390
octranspo.com

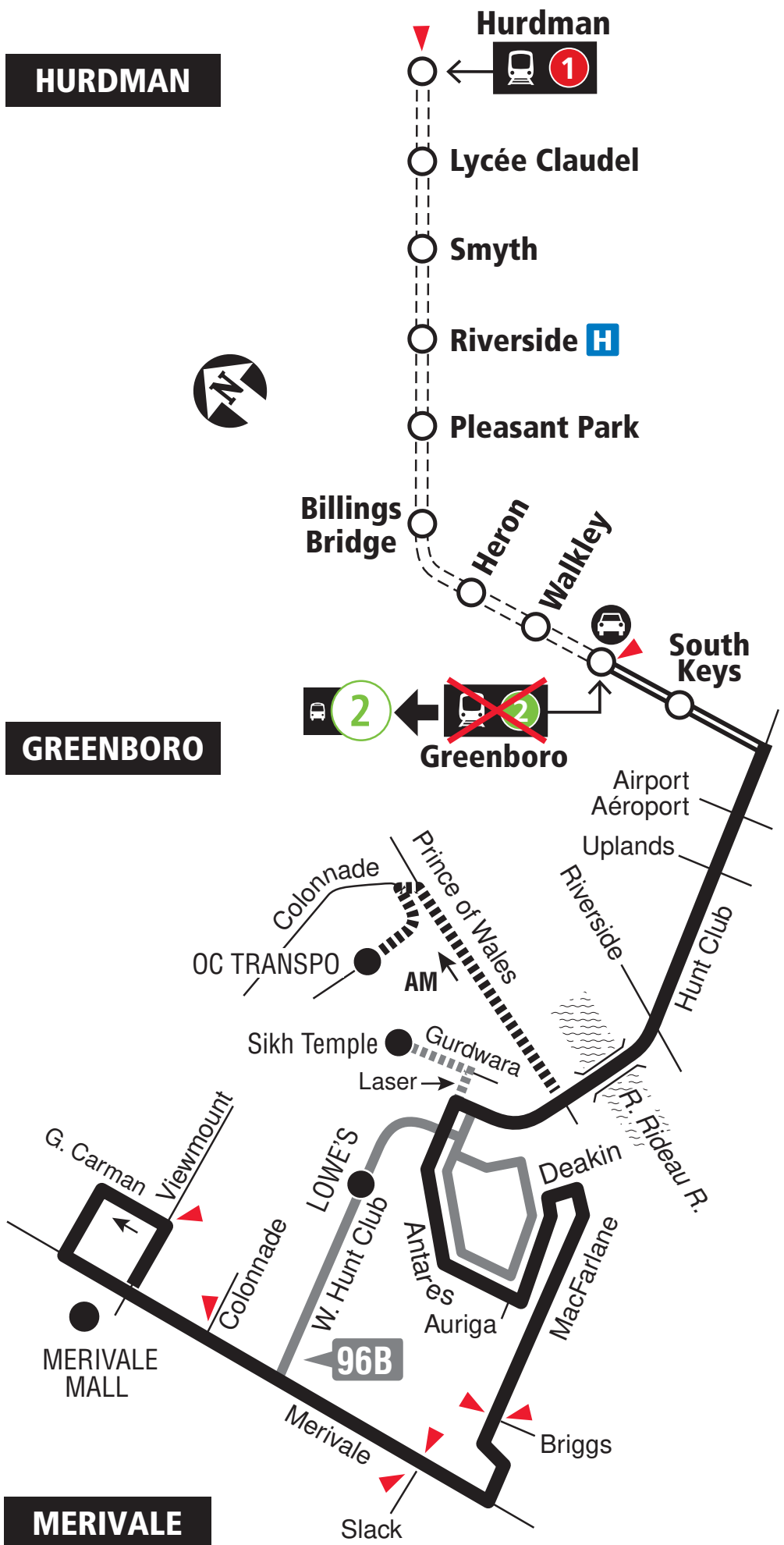


96

MERIVALE GREENBORO HURDMAN

Local

7 days a week / 7 jours par semaine



- Transitway & Station
- Transitway & Station (Peak periods only / Périodes de pointe seulement)
- 96B
- 96B Some trips / 96B Quelques trajets
- Some trips / Quelques trajets
- Park & Ride / Parc-o-bus
- Timepoint / Heures de passage

2019.06



Schedule / Horaire 613-560-1000

Text / Texto 560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus **613-563-4011**

Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



Rapid^e

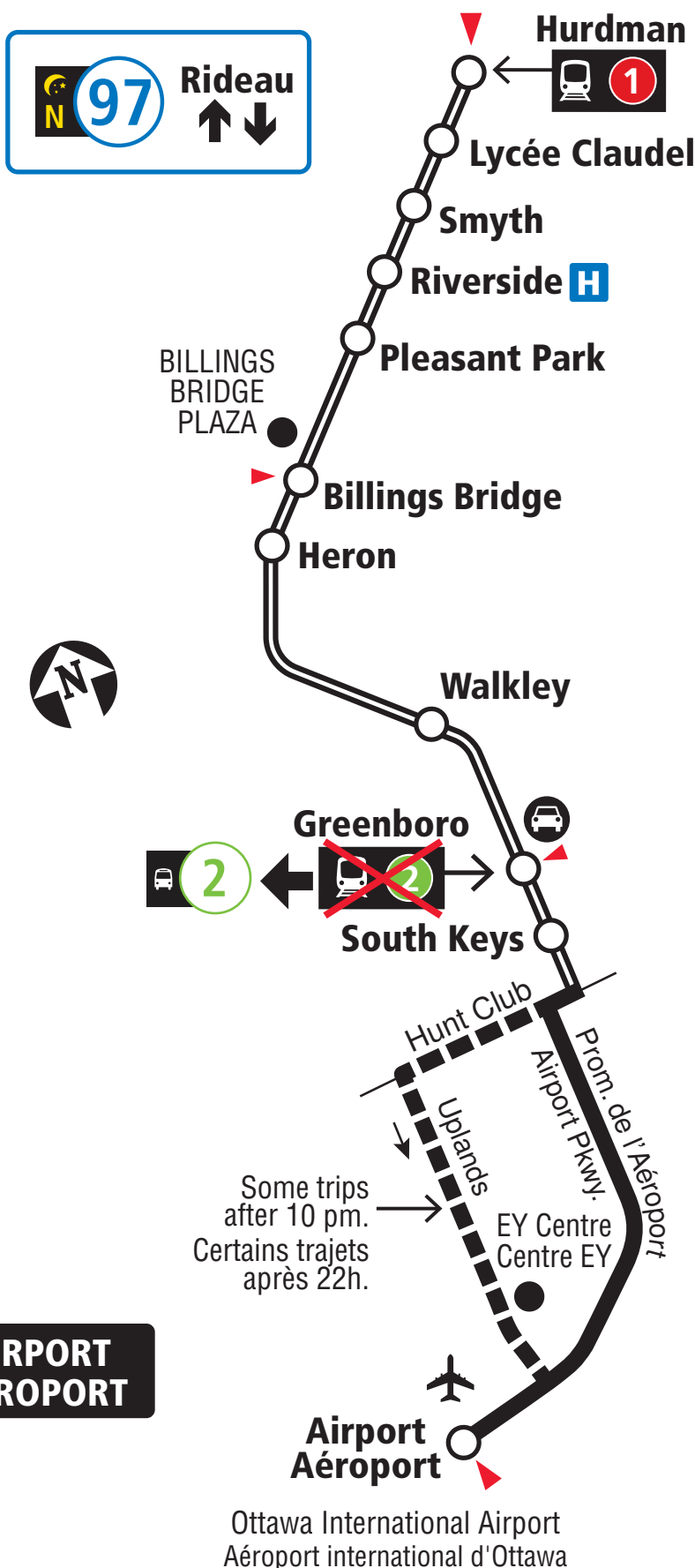
AIRPORT / AÉROPORT HURDMAN

7 days a week / 7 jours par semaine

All day service and limited overnight

Service toute la journée et limité la nuit

HURDMAN



**AIRPORT
AÉROPORT**

Ottawa International Airport
Aéroport international d'Ottawa



When O-Train Line 1 is not running overnight, Route 97 will be extended downtown to Rideau Station. / Lorsque la ligne 1 de l'O-Train ne circule pas la nuit, le circuit 97 sera prolongée au centre-ville jusqu'à la station Rideau.

2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



Rapid^e

HAWTHORNE HURDMAN

7 days a week / 7 jours par semaine

All day service

Service toute la journée

HURDMAN



Hurdman



Lycée Claudel

Smyth

Riverside **H**

Pleasant Park

BILLINGS
BRIDGE
PLAZA

Billings Bridge

Heron

Walkley

HAWTHORNE

Greenboro



South
Keys

Cahill

Lorry Greenberg

Johnston

Karsh

Blohm

Hunt Club

Hawthorne



Transitway & Station



Park & Ride | Parc-o-bus



Timepoint | Heures de passage

2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



Rapid^e

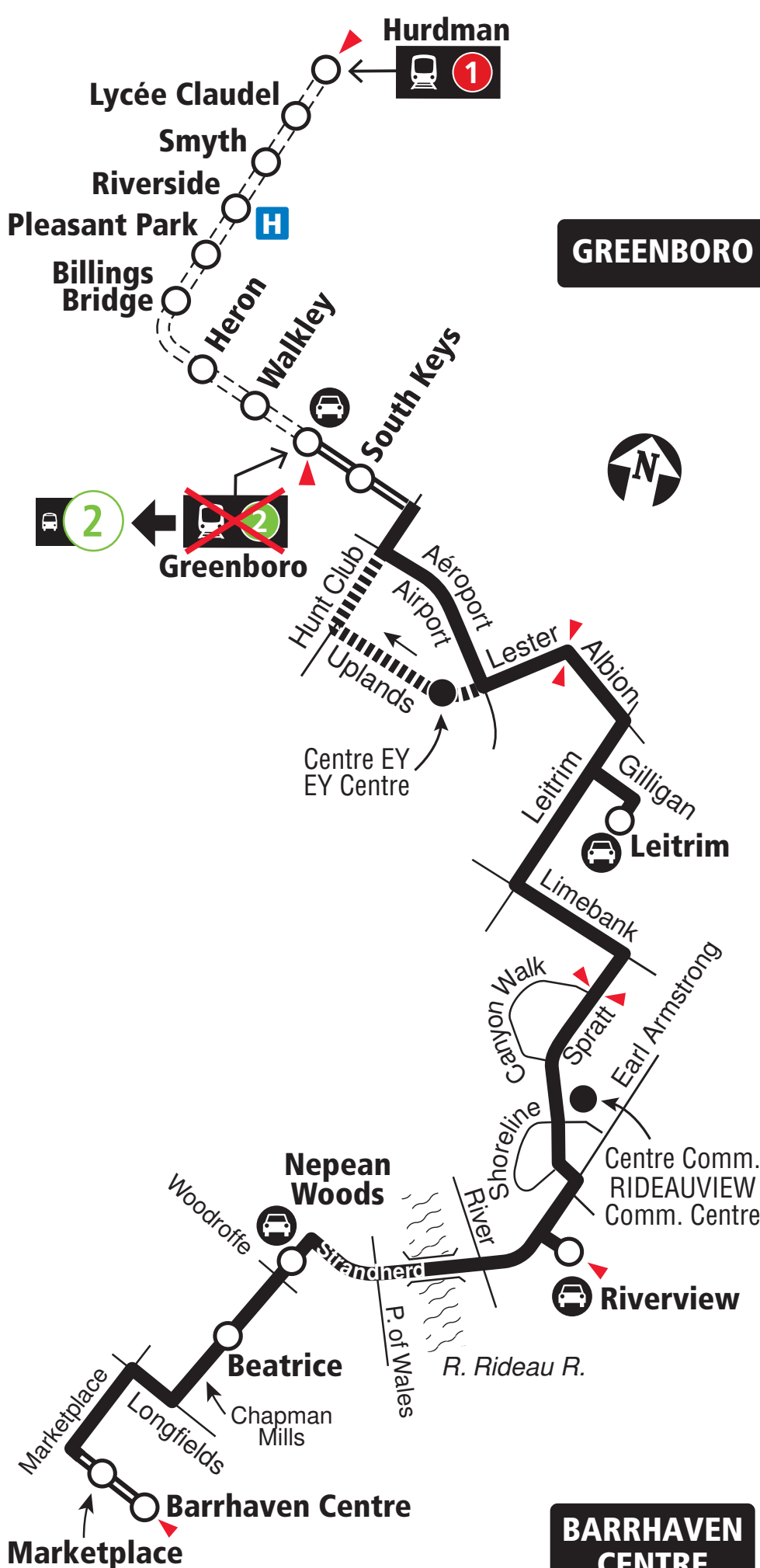
BARRHAVEN CENTRE HURDMAN GREENBORO

7 days a week / 7 jours par semaine

HURDMAN

GREENBORO

BARRHAVEN CENTRE



- Transitway & Station
- Transitway & Station
Peak period / Période de pointe
- Saturday & Sunday only / Sam. et dim. seulement
- Park & Ride / Parc-o-bus
- Timepoint / Heures de passage

2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



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GREENBORO UPLANDS

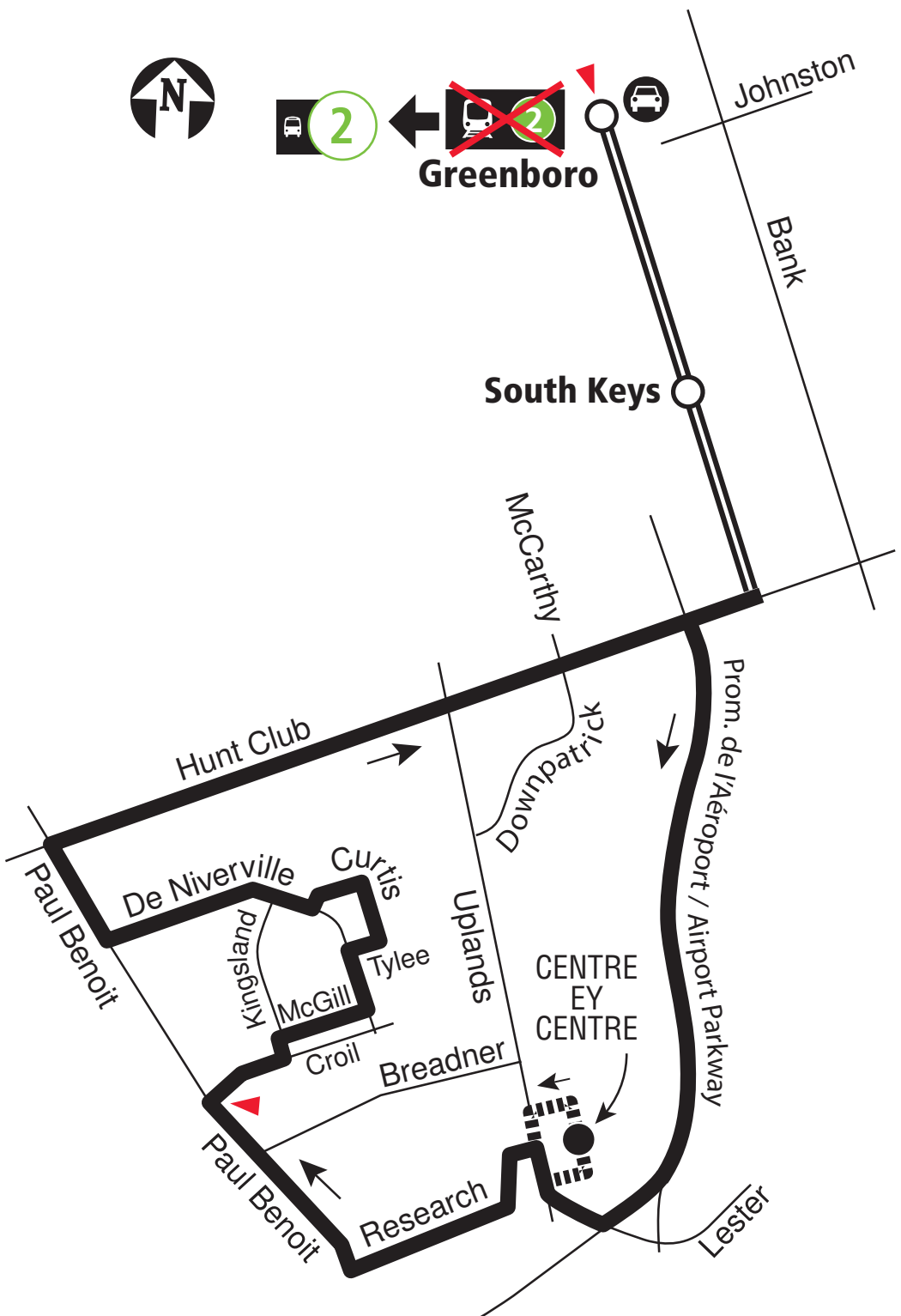
Local

7 days a week / 7 jours par semaine

No weekend evening service

Aucun service en soirée la fin de semaine

GREENBORO



UPLANDS



Transitway & Station



Monday to Friday after noon and all day
Saturday and Sunday / Lundi au vendredi après
12 h et toute la journée samedi et dimanche



Park & Ride / Parc-o-bus



Timepoint / Heures de passage

2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



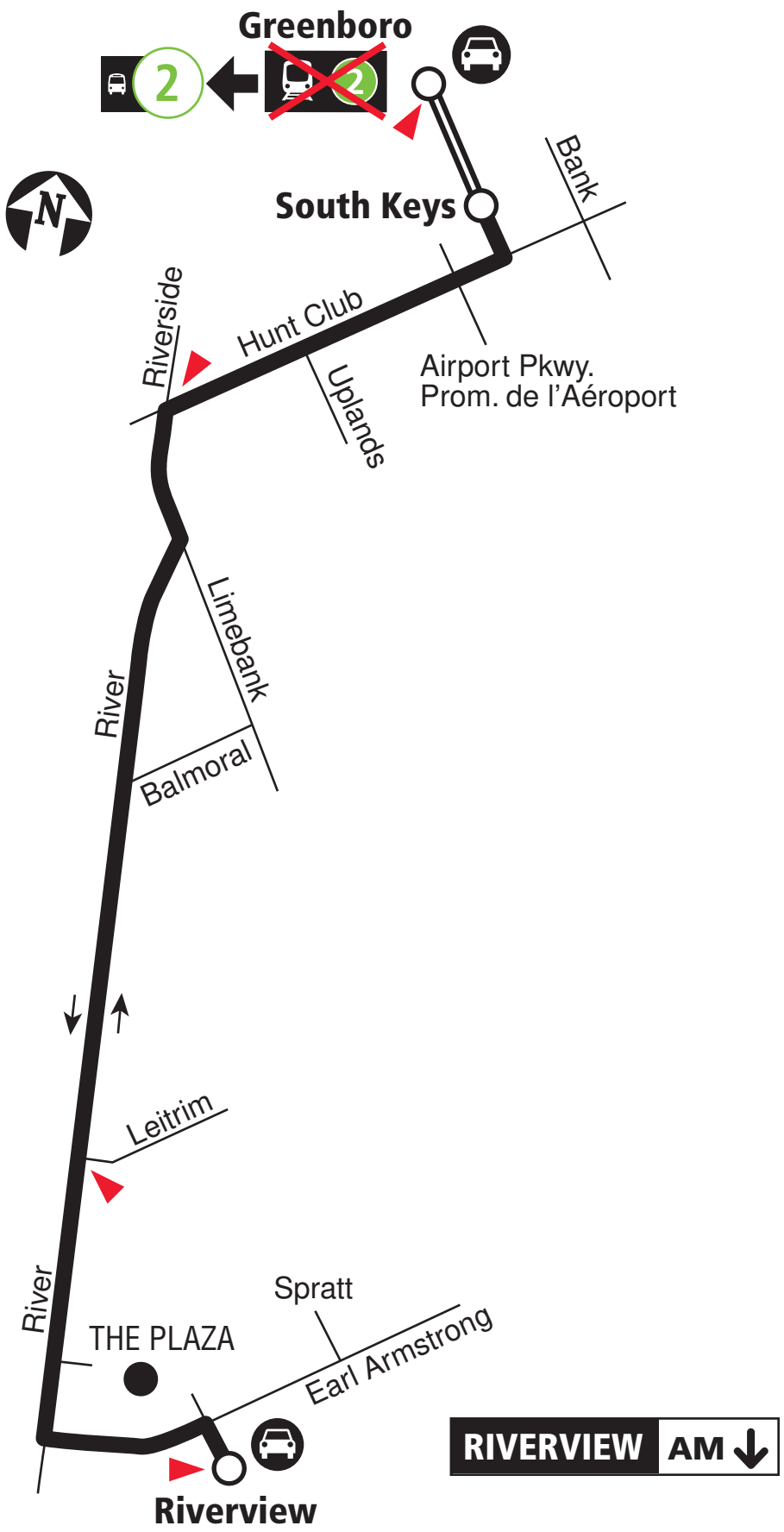
198

RIVERVIEW GREENBORO

Local

Monday to Friday / Lundi au vendredi
Peak periods only
Périodes de pointe seulement

GREENBORO PM ↑



2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com

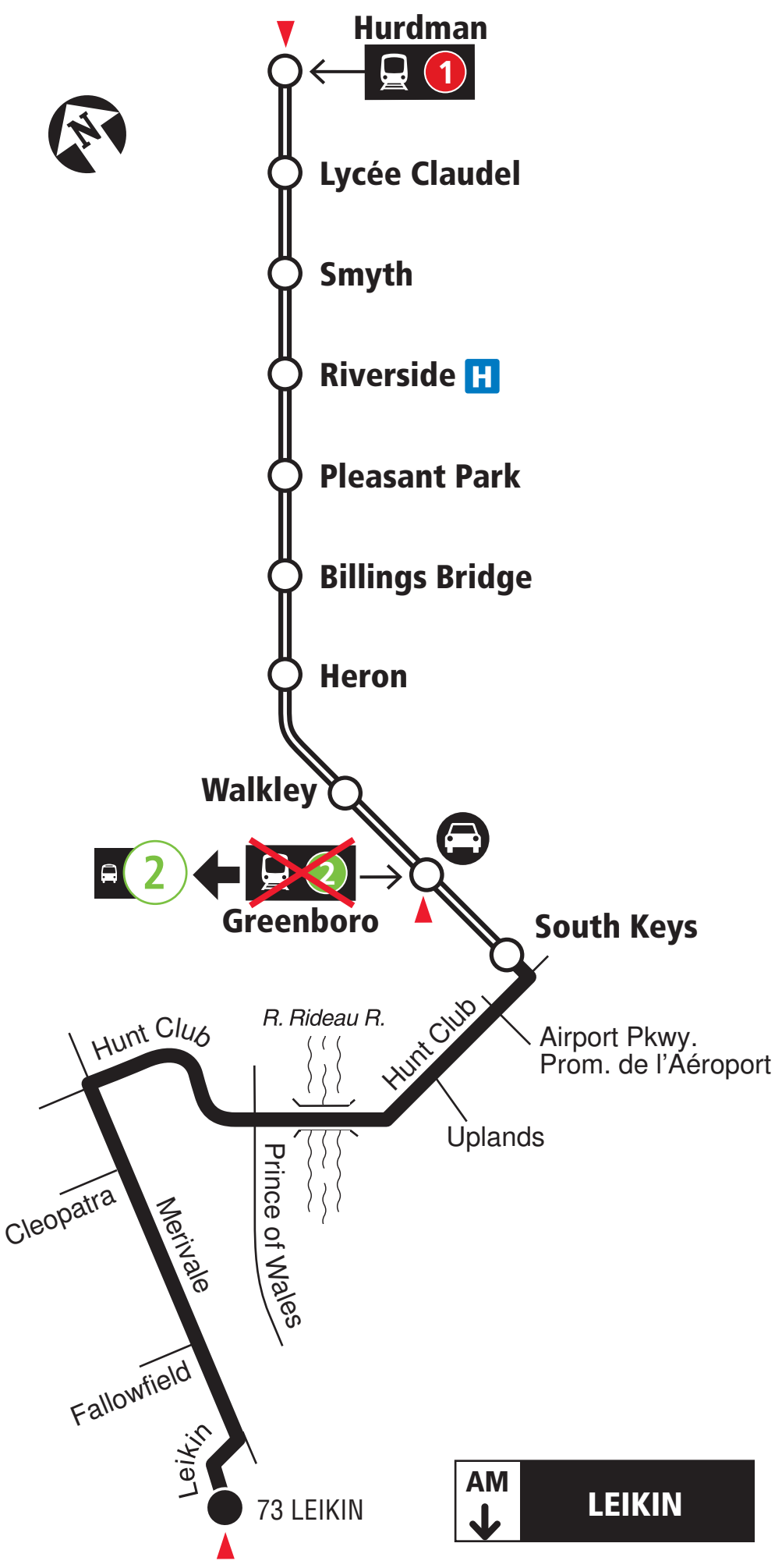
199

LEIKIN HURDMAN

Local

Monday to Friday / Lundi au vendredi
Peak periods only
Périodes de pointe seulement


PM
↑
HURDMAN



AM
↓
LEIKIN

-  Transitway & Station
-  Park & Ride / Parc-o-bus
-  Timepoint / Heures de passage

2020.04

 **Schedule / Horaire.....613-560-1000**
Text / Texto560560
plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service
Service à la clientèle 613-741-4390
Lost and Found / Objets perdus..... 613-563-4011
Security / Sécurité 613-741-2478

Effective May 3, 2020
En vigueur 3 mai 2020

 **INFO 613-741-4390**
octranspo.com



294

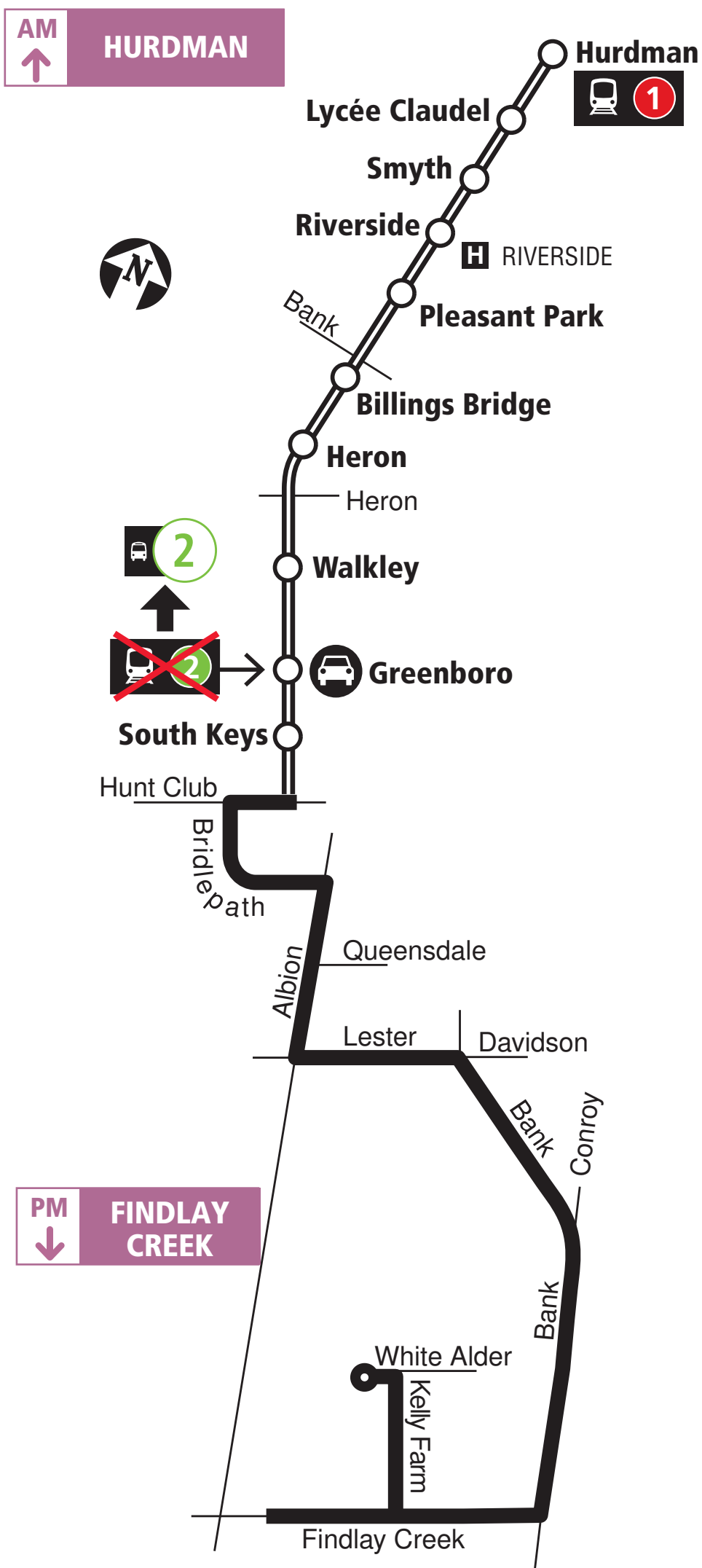
HURDMAN FINDLAY CREEK

Connexion

Monday to Friday / Lundi au vendredi

Peak periods only

Périodes de pointe seulement



Transitway & Station



Park & Ride / Parc-o-bus

2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Relations

Service à la clientèle **613-842-3600**

Lost and Found / Objets perdus..... **613-563-4011**

Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



299

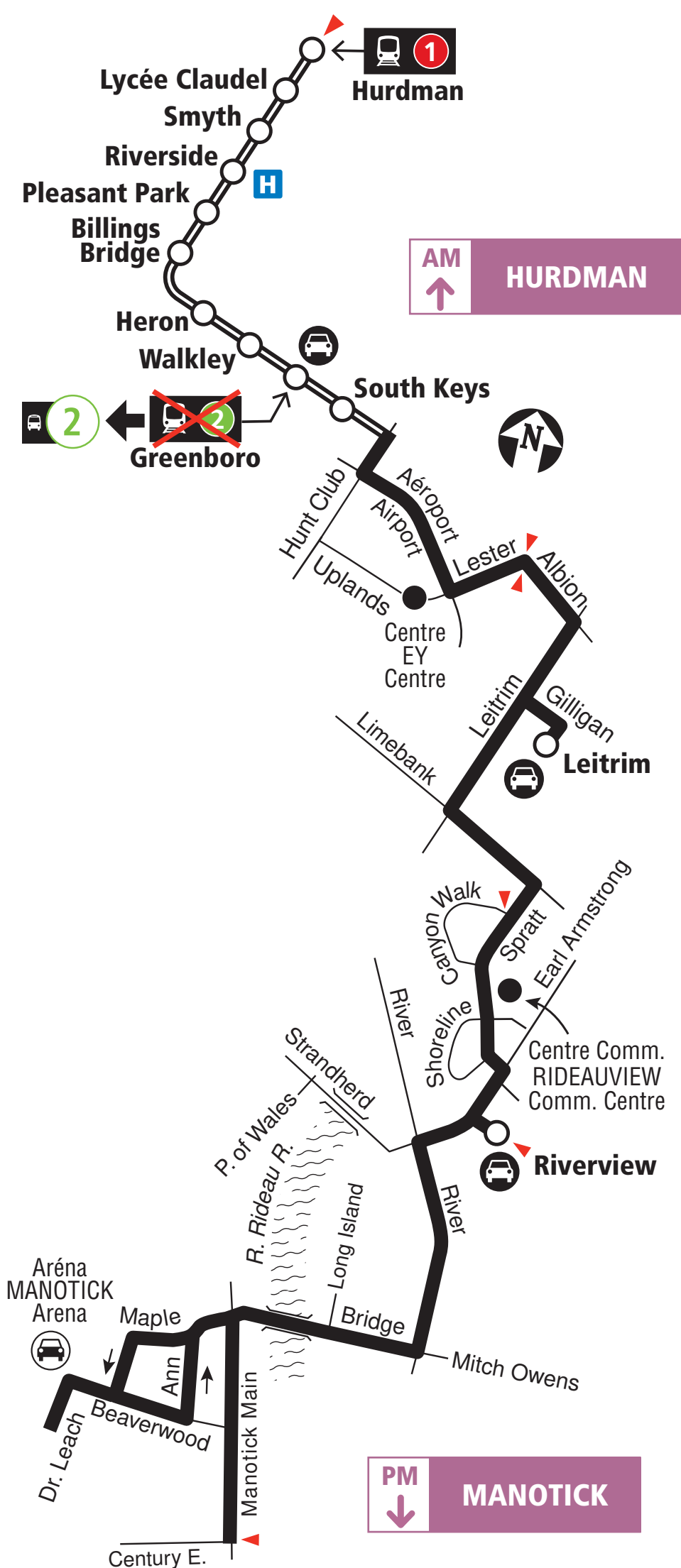
MANOTICK HURDMAN

Connexion

Monday to Friday / Lundi au vendredi

Peak periods only

Périodes de pointe seulement



2020.04



Schedule / Horaire.....613-560-1000

Text / Texto560560

plus your four digit bus stop number / plus votre numéro d'arrêt à quatre chiffres

Customer Service

Service à la clientèle **613-741-4390**

Lost and Found / Objets perdus..... **613-563-4011**

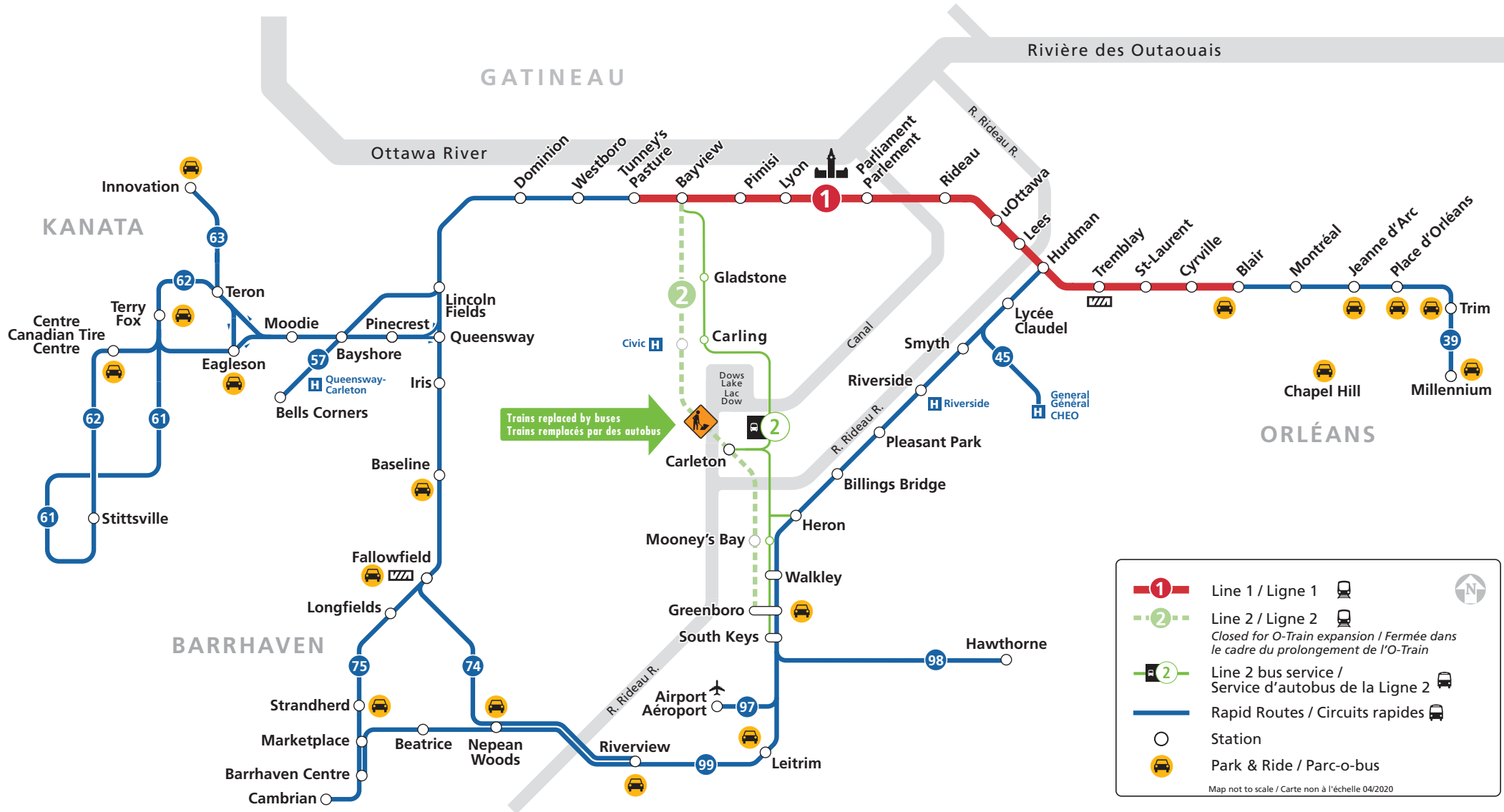
Security / Sécurité **613-741-2478**

Effective May 3, 2020

En vigueur 3 mai 2020



INFO 613-741-4390
octranspo.com



Trains replaced by buses
Trains remplacés par des autobus

| | | |
|--|---|--|
| | Line 1 / Ligne 1 | |
| | Line 2 / Ligne 2 | |
| | Line 2 bus service / Service d'autobus de la Ligne 2 | |
| | Rapid Routes / Circuits rapides | |
| | Station | |
| | Park & Ride / Parc-o-bus | |

Map not to scale / Carte non à l'échelle 04/2020

Appendix E – Collision Data



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 **To:** December 31, 2019

Location: AIRPORT PKWY @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|---------------|------------------|----------------|----------------|----------|---------------------|---------------------------|-----------------------|---------|
| 2015-Jan-04, Sun,03:14 | Freezing Rain | Sideswipe | P.D. only | Slush | West | Slowing or stopping | Pick-up truck | Skidding/sliding | 0 |
| | | | | | West | Slowing or stopping | Pick-up truck | Other motor vehicle | |
| 2015-Jan-26, Mon,14:35 | Clear | Rear end | P.D. only | Dry | West | Changing lanes | Unknown | Other motor vehicle | 0 |
| | | | | | West | Stopped | Passenger van | Other motor vehicle | |
| 2015-Feb-04, Wed,17:10 | Snow | Rear end | P.D. only | Slush | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |
| 2015-Feb-07, Sat,21:14 | Snow | Turning movement | P.D. only | Loose snow | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-Feb-17, Tue,17:19 | Clear | SMV other | P.D. only | Dry | West | Going ahead | Unknown | Pole (utility, power) | 0 |
| 2015-Feb-27, Fri,00:49 | Snow | Other | P.D. only | Loose snow | West | Reversing | Construction equipment | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2015-Aug-23, Sun,20:00 | Clear | Angle | P.D. only | Dry | North | Unknown | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Pick-up truck | Other motor vehicle | |
| 2015-Sep-22, Tue,16:45 | Clear | Rear end | P.D. only | Dry | West | Slowing or stopping | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2015-Dec-21, Mon,00:20 | Clear | Angle | P.D. only | Dry | South | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2015-Dec-23, Wed,15:23 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2015-Dec-24, Thu,02:19 | Clear | SMV other | P.D. only | Wet | West | Going ahead | Automobile, station wagon | Curb | 0 |
| 2015-Dec-28, Mon,15:59 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 **To:** December 31, 2019

Location: AIRPORT PKWY @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|---------------|-------------|----------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2016-Feb-17, Wed,06:55 | Clear | Sideswipe | P.D. only | Wet | West | Overtaking | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Municipal transit bus | Other motor vehicle | |
| 2016-Feb-25, Thu,07:41 | Freezing Rain | Rear end | P.D. only | Ice | East | Turning left | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2016-Apr-01, Fri,22:07 | Rain | Rear end | P.D. only | Wet | East | Going ahead | Passenger van | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2016-May-27, Fri,12:06 | Clear | Rear end | P.D. only | Dry | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |
| 2016-Jul-22, Fri,14:15 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2016-Oct-18, Tue,16:20 | Rain | Rear end | P.D. only | Wet | South | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2016-Nov-17, Thu,19:38 | Clear | Rear end | P.D. only | Dry | West | Slowing or stopping | Unknown | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2016-Dec-29, Thu,13:59 | Snow | Rear end | P.D. only | Loose snow | East | Slowing or stopping | Automobile, station wagon | Skidding/sliding | 0 |
| | | | | | East | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2017-Jan-05, Thu,08:20 | Clear | Sideswipe | P.D. only | Ice | East | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Pick-up truck | Other motor vehicle | |
| 2017-Jan-05, Thu,14:22 | Clear | Sideswipe | P.D. only | Ice | West | Going ahead | Automobile, station wagon | Skidding/sliding | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Jan-05, Thu,14:42 | Clear | SMV other | P.D. only | Ice | East | Going ahead | Pick-up truck | Skidding/sliding | 0 |
| 2017-Jan-13, Fri,14:48 | Clear | Sideswipe | P.D. only | Dry | West | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: AIRPORT PKWY @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2017-Feb-10, Fri,14:26 | Clear | Rear end | P.D. only | Dry | South | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | South | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| 2017-Feb-12, Sun,00:03 | Snow | Other | P.D. only | Packed snow | South | Reversing | Snow plow | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Feb-15, Wed,09:12 | Snow | Rear end | Non-fatal injury | Loose snow | West | Slowing or stopping | Pick-up truck | Skidding/sliding | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |
| 2017-Mar-15, Wed,07:51 | Snow | Rear end | P.D. only | Slush | East | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning left | Pick-up truck | Other motor vehicle | |
| 2017-Apr-19, Wed,13:31 | Rain | Sideswipe | P.D. only | Wet | East | Changing lanes | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Turning left | Pick-up truck | Other motor vehicle | |
| 2017-May-05, Fri,16:14 | Rain | Rear end | Non-fatal injury | Wet | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-May-25, Thu,19:23 | Rain | Sideswipe | P.D. only | Wet | West | Changing lanes | Municipal transit bus | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Jun-13, Tue,09:15 | Clear | Rear end | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Slowing or stopping | Pick-up truck | Other motor vehicle | |
| 2017-Aug-13, Sun,12:35 | Clear | Rear end | Non-fatal injury | Dry | East | Slowing or stopping | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Sep-16, Sat,19:00 | Clear | Sideswipe | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Merging | Automobile, station wagon | Other motor vehicle | |
| 2017-Sep-20, Wed,15:30 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: AIRPORT PKWY @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|----------------------------|---------|
| 2017-Oct-07, Sat,20:07 | Clear | Approaching | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Oct-12, Thu,06:44 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Nov-15, Wed,13:28 | Clear | Rear end | Non-fatal injury | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| | | | | | East | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2017-Nov-22, Wed,20:07 | Clear | Rear end | Non-fatal injury | Dry | East | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Dec-11, Mon,17:14 | Clear | Rear end | P.D. only | Dry | West | Slowing or stopping | Unknown | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Dec-21, Thu,08:38 | Clear | Rear end | P.D. only | Ice | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |
| 2018-Jan-08, Mon,00:23 | Snow | SMV other | P.D. only | Packed snow | East | Going ahead | Automobile, station wagon | Pole (sign, parking meter) | 0 |
| 2018-Jan-08, Mon,16:45 | Snow | Rear end | P.D. only | Packed snow | West | Slowing or stopping | Automobile, station wagon | Skidding/sliding | 0 |
| | | | | | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Slowing or stopping | Automobile, station wagon | Skidding/sliding | |
| 2018-Jan-16, Tue,08:01 | Snow | Sideswipe | P.D. only | Slush | West | Slowing or stopping | Passenger van | Skidding/sliding | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: AIRPORT PKWY @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2018-May-19, Sat,16:56 | Rain | Rear end | Non-fatal injury | Wet | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | East | Stopped | Municipal transit bus | Other motor vehicle | |
| 2018-May-27, Sun,20:40 | Clear | Angle | Non-fatal injury | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Truck - closed | Other motor vehicle | |
| 2018-Jun-26, Tue,07:10 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Jun-26, Tue,17:36 | Clear | Other | P.D. only | Dry | East | Reversing | Passenger van | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Aug-21, Tue,16:58 | Rain | Angle | P.D. only | Wet | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2018-Aug-23, Thu,13:06 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Delivery van | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-17, Wed,21:28 | Clear | Rear end | P.D. only | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-18, Thu,15:18 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Nov-13, Tue,12:35 | Snow | Rear end | P.D. only | Wet | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Unknown | Unknown | Other motor vehicle | |
| 2018-Nov-23, Fri,08:10 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Dec-03, Mon,15:20 | Clear | Rear end | P.D. only | Wet | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: AIRPORT PKWY @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|---------------|------------------|----------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2018-Dec-07, Fri,17:00 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Dec-09, Sun,01:14 | Clear | SMV other | P.D. only | Wet | South | Going ahead | Automobile, station wagon | Ran off road | 0 |
| 2018-Dec-14, Fri,20:22 | Rain | Rear end | P.D. only | Ice | South | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning left | Automobile, station wagon | Other motor vehicle | |
| | | | | | South | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2018-Dec-14, Fri,20:30 | Freezing Rain | Sideswipe | P.D. only | Ice | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Passenger van | Other motor vehicle | |
| 2018-Dec-14, Fri,20:32 | Freezing Rain | Rear end | P.D. only | Ice | South | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | South | Stopped | Pick-up truck | Other motor vehicle | |
| 2018-Dec-14, Fri,20:47 | Freezing Rain | Rear end | P.D. only | Ice | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Unknown | Automobile, station wagon | Other motor vehicle | |
| 2018-Dec-17, Mon,13:00 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-21, Mon,12:45 | Clear | Sideswipe | P.D. only | Ice | East | Changing lanes | Automobile, station wagon | Skidding/sliding | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Feb-04, Mon,10:46 | Clear | Turning movement | P.D. only | Wet | East | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning left | Snow plow | Other motor vehicle | |
| 2019-Feb-19, Tue,14:35 | Clear | Sideswipe | P.D. only | Dry | West | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: AIRPORT PKWY @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|----------------------------|---------|
| 2019-Mar-24, Sun,09:32 | Clear | Rear end | P.D. only | Dry | East | Slowing or stopping | Truck and trailer | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Apr-24, Wed,09:21 | Clear | Rear end | P.D. only | Wet | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Apr-24, Wed,12:08 | Clear | Rear end | Non-fatal injury | Dry | West | Going ahead | Truck - closed | Other motor vehicle | 0 |
| | | | | | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| 2019-Jun-13, Thu,19:28 | Rain | Rear end | P.D. only | Wet | West | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2019-Jun-14, Fri,17:15 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Jun-16, Sun,21:53 | Clear | Angle | Non-fatal injury | Dry | South | Turning left | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| | | | | | South | Turning left | Automobile, station wagon | Debris falling off vehicle | |
| 2019-Aug-08, Thu,11:45 | Clear | Sideswipe | P.D. only | Dry | West | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Aug-11, Sun,18:06 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Passenger van | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Sep-17, Tue,20:51 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Sep-26, Thu,11:30 | Clear | Rear end | P.D. only | Dry | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Pick-up truck | Other motor vehicle | |
| 2019-Oct-18, Fri,14:08 | Clear | Rear end | P.D. only | Dry | West | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: AIRPORT PKWY @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2019-Nov-09, Sat,17:39 | Snow | Rear end | P.D. only | Wet | East | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Dec-12, Thu,08:37 | Clear | Rear end | P.D. only | Dry | West | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Construction equipment | Other motor vehicle | |
| | | | | | West | Going ahead | Truck - closed | Other motor vehicle | |
| 2019-Dec-18, Wed,21:00 | Clear | Rear end | P.D. only | Dry | North | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Dec-28, Sat,11:13 | Clear | Rear end | Non-fatal injury | Wet | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |

Location: BANK ST @ CAHILL DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 47

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|---------------|------------------|------------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2015-Jan-06, Tue,18:14 | Clear | Turning movement | Non-fatal injury | Wet | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-Mar-23, Mon,16:54 | Clear | Rear end | P.D. only | Dry | West | Turning right | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2015-Apr-02, Thu,07:30 | Freezing Rain | Sideswipe | P.D. only | Ice | North | Going ahead | Passenger van | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Pick-up truck | Other motor vehicle | |
| 2015-Apr-19, Sun,16:45 | Clear | Turning movement | Non-fatal injury | Dry | South | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Pick-up truck | Other motor vehicle | |
| 2015-Jul-11, Sat,14:15 | Clear | Turning movement | Non-fatal injury | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Pick-up truck | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ CAHILL DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 47

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2015-Aug-03, Mon,13:33 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Delivery van | Other motor vehicle | 0 |
| | | | | | East | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2015-Dec-13, Sun,12:35 | Clear | Rear end | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Passenger van | Other motor vehicle | |
| 2015-Dec-17, Thu,16:30 | Clear | Sideswipe | P.D. only | Dry | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2016-Mar-14, Mon,11:10 | Rain | Turning movement | P.D. only | Wet | South | Turning left | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2016-Aug-01, Mon,16:21 | Clear | Rear end | P.D. only | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Stopped | Passenger van | Other motor vehicle | |
| 2016-Sep-09, Fri,12:10 | Clear | Rear end | P.D. only | Dry | West | Turning right | Passenger van | Other motor vehicle | 0 |
| | | | | | West | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2016-Nov-18, Fri,13:45 | Clear | Rear end | P.D. only | Dry | South | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Jan-05, Thu,08:05 | Clear | Rear end | P.D. only | Ice | North | Slowing or stopping | Passenger van | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Jan-22, Sun,14:30 | Clear | Turning movement | Non-fatal injury | Dry | West | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Mar-30, Thu,08:45 | Clear | Sideswipe | Non-fatal injury | Dry | South | Changing lanes | Pick-up truck | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Pick-up truck | Other motor vehicle | |
| 2017-Jul-01, Sat,13:37 | Rain | Turning movement | Non-fatal injury | Wet | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ CAHILL DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 47

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2017-Aug-08, Tue,12:58 | Clear | Rear end | Non-fatal injury | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| 2017-Aug-21, Mon,19:15 | Clear | Turning movement | P.D. only | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2017-Aug-30, Wed,15:15 | Clear | Angle | Non-fatal injury | Dry | East | Going ahead | Bicycle | Other motor vehicle | 0 |
| | | | | | South | Turning right | Automobile, station wagon | Cyclist | |
| 2017-Sep-02, Sat,15:35 | Clear | Rear end | P.D. only | Dry | North | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| 2017-Sep-25, Mon,11:29 | Clear | Angle | Non-fatal injury | Dry | North | Unknown | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Unknown | Automobile, station wagon | Other motor vehicle | |
| 2018-Jan-11, Thu,14:15 | Rain | SMV other | Non-fatal injury | Wet | East | Turning left | Automobile, station wagon | Pedestrian | 1 |
| 2018-Feb-10, Sat,17:26 | Snow | Sideswipe | P.D. only | Loose snow | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Mar-08, Thu,18:35 | Snow | Turning movement | Non-fatal injury | Ice | West | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Mar-23, Fri,14:18 | Clear | SMV other | Non-fatal injury | Dry | East | Turning left | Automobile, station wagon | Pedestrian | 1 |
| 2018-Apr-29, Sun,17:03 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Jul-16, Mon,21:00 | Clear | SMV other | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Ran off road | 0 |
| 2018-Aug-12, Sun,08:15 | Clear | Rear end | P.D. only | Dry | North | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-11, Thu,17:53 | Clear | Rear end | Non-fatal injury | Dry | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ CAHILL DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 47

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2018-Nov-03, Sat,20:06 | Clear | Rear end | P.D. only | Dry | South | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Dec-24, Mon,18:07 | Clear | Turning movement | Non-fatal injury | Loose snow | North | Turning left | Passenger van | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-14, Mon,17:43 | Clear | Turning movement | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-18, Fri,09:30 | Snow | Rear end | P.D. only | Slush | East | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-19, Sat,18:25 | Snow | Turning movement | Non-fatal injury | Loose snow | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Feb-02, Sat,10:40 | Snow | Turning movement | P.D. only | Wet | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2019-Feb-19, Tue,15:20 | Clear | Sideswipe | P.D. only | Dry | North | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2019-Feb-22, Fri,11:04 | Clear | Sideswipe | P.D. only | Wet | South | Changing lanes | Passenger van | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Mar-02, Sat,09:37 | Clear | Angle | P.D. only | Dry | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Mar-02, Sat,19:32 | Snow | Turning movement | P.D. only | Loose snow | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2019-Mar-23, Sat,19:51 | Clear | Turning movement | Non-fatal injury | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-May-24, Fri,14:56 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ CAHILL DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 47

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2019-Jun-19, Wed,11:13 | Clear | Turning movement | P.D. only | Dry | South | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Jul-11, Thu,13:18 | Clear | Turning movement | Non-fatal injury | Dry | South | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Motorcycle | Other motor vehicle | |
| 2019-Aug-29, Thu,21:54 | Clear | Turning movement | Non-fatal injury | Dry | South | Turning left | Passenger van | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Sep-17, Tue,11:50 | Clear | Turning movement | Non-fatal injury | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Oct-14, Mon,18:44 | Clear | Turning movement | Non-fatal injury | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Dec-22, Sun,10:21 | Clear | Turning movement | Non-fatal injury | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2015-Jan-12, Mon,06:21 | Snow | Angle | P.D. only | Ice | North | Slowing or stopping | Pick-up truck | Skidding/sliding | 0 |
| | | | | | West | Going ahead | Passenger van | Other motor vehicle | |
| 2015-Feb-02, Mon,19:45 | Snow | Rear end | Non-fatal injury | Packed snow | South | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| 2015-Feb-04, Wed,14:12 | Clear | Rear end | Non-fatal injury | Slush | East | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Stopped | Passenger van | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 **To:** December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2015-Feb-08, Sun,14:08 | Snow | Angle | P.D. only | Loose snow | North | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Pick-up truck | Other motor vehicle | |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-Feb-10, Tue,15:45 | Clear | Sideswipe | P.D. only | Wet | North | Changing lanes | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Truck - dump | Other motor vehicle | |
| 2015-Feb-14, Sat,13:49 | Clear | Rear end | P.D. only | Ice | South | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2015-Feb-20, Fri,19:06 | Snow | Rear end | P.D. only | Loose snow | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2015-Feb-21, Sat,15:50 | Snow | Rear end | P.D. only | Loose snow | South | Slowing or stopping | Pick-up truck | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2015-Feb-23, Mon,16:57 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Pick-up truck | Other motor vehicle | |
| 2015-Feb-24, Tue,15:42 | Clear | Angle | P.D. only | Dry | North | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2015-Mar-07, Sat,09:29 | Clear | Sideswipe | P.D. only | Wet | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Truck - closed | Other motor vehicle | |
| 2015-Mar-20, Fri,13:12 | Clear | Rear end | Non-fatal injury | Dry | East | Turning right | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2015-Mar-25, Wed,08:08 | Clear | Rear end | P.D. only | Dry | East | Turning right | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Turning right | Passenger van | Other motor vehicle | |
| 2015-Apr-13, Mon,17:00 | Clear | Rear end | P.D. only | Dry | West | Slowing or stopping | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2015-May-06, Wed,13:30 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Unknown | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2015-May-07, Thu,20:39 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Passenger van | Other motor vehicle | 0 |
| | | | | | East | Turning right | Pick-up truck | Other motor vehicle | |
| 2015-May-12, Tue,13:52 | Clear | Rear end | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2015-May-22, Fri,23:13 | Clear | Angle | P.D. only | Dry | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-May-29, Fri,13:14 | Clear | Sideswipe | P.D. only | Dry | North | Slowing or stopping | Truck - closed | Other motor vehicle | 0 |
| | | | | | North | Changing lanes | Automobile, station wagon | Other motor vehicle | |
| 2015-Jun-11, Thu,14:36 | Clear | Sideswipe | P.D. only | Dry | South | Changing lanes | Unknown | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-Jun-14, Sun,01:31 | Clear | Angle | Non-fatal injury | Dry | West | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Passenger van | Other motor vehicle | |
| 2015-Jun-19, Fri,18:06 | Clear | Rear end | Non-fatal injury | Dry | North | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2015-Jun-27, Sat,21:52 | Clear | Rear end | P.D. only | Dry | North | Slowing or stopping | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Stopped | Pick-up truck | Other motor vehicle | |
| 2015-Jul-04, Sat,12:51 | Clear | Sideswipe | P.D. only | Dry | North | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Changing lanes | Automobile, station wagon | Other motor vehicle | |
| 2015-Jul-09, Thu,15:11 | Clear | Rear end | P.D. only | Dry | East | Turning right | Unknown | Other motor vehicle | 0 |
| | | | | | East | Turning right | Pick-up truck | Other motor vehicle | |
| 2015-Aug-11, Tue,13:47 | Clear | Rear end | P.D. only | Dry | East | Slowing or stopping | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Slowing or stopping | Pick-up truck | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 **To:** December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2015-Sep-04, Fri,12:07 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-Sep-15, Tue,14:57 | Clear | Sideswipe | P.D. only | Dry | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Truck - dump | Other motor vehicle | |
| 2015-Sep-23, Wed,08:00 | Clear | Rear end | P.D. only | Dry | North | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Slowing or stopping | Pick-up truck | Other motor vehicle | |
| 2015-Oct-12, Mon,06:49 | Clear | Angle | Non-fatal injury | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Pick-up truck | Other motor vehicle | |
| 2015-Oct-21, Wed,11:00 | Clear | Rear end | P.D. only | Dry | West | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Turning right | Pick-up truck | Other motor vehicle | |
| 2015-Dec-04, Fri,14:07 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-Dec-24, Thu,15:52 | Clear | Rear end | P.D. only | Wet | East | Turning right | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Turning right | Pick-up truck | Other motor vehicle | |
| 2016-Jan-08, Fri,11:46 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2016-Jan-16, Sat,10:58 | Rain | Sideswipe | P.D. only | Wet | West | Overtaking | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2016-Jan-18, Mon,08:28 | Snow | Rear end | P.D. only | Loose snow | West | Turning right | Delivery van | Other motor vehicle | 0 |
| | | | | | West | Turning right | Pick-up truck | Other motor vehicle | |
| 2016-Feb-05, Fri,17:13 | Clear | Sideswipe | P.D. only | Dry | East | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | East | Stopped | Pick-up truck | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2016-Feb-06, Sat,21:12 | Clear | Angle | Non-fatal injury | Dry | North | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| | | | | | South | Turning left | Passenger van | Other motor vehicle | |
| | | | | | South | Turning left | Passenger van | Other motor vehicle | |
| 2016-Feb-08, Mon,17:08 | Clear | Rear end | P.D. only | Dry | South | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Stopped | Pick-up truck | Other motor vehicle | |
| 2016-Feb-12, Fri,18:12 | Snow | Rear end | Non-fatal injury | Ice | East | Turning right | Unknown | Other motor vehicle | 0 |
| | | | | | East | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2016-Feb-19, Fri,10:52 | Clear | Sideswipe | P.D. only | Dry | North | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Pick-up truck | Other motor vehicle | |
| 2016-Feb-19, Fri,22:30 | Snow | Rear end | P.D. only | Loose snow | East | Changing lanes | Unknown | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2016-Mar-28, Mon,06:40 | Rain | Rear end | P.D. only | Wet | West | Turning right | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2016-Apr-02, Sat,16:48 | Clear | Rear end | P.D. only | Dry | South | Slowing or stopping | Pick-up truck | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2016-Apr-19, Tue,14:00 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Pick-up truck | Other motor vehicle | |
| 2016-Apr-29, Fri,00:46 | Clear | Angle | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2016-May-03, Tue,17:30 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 **To:** December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|-----------------------|---------|
| 2016-May-13, Fri,19:43 | Clear | Sideswipe | P.D. only | Dry | North | Going ahead | Motorcycle | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Turning left | Bus (other) | Other motor vehicle | |
| 2016-May-19, Thu,17:39 | Clear | Sideswipe | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2016-Jun-03, Fri,17:10 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |
| 2016-Jun-23, Thu,15:44 | Clear | Angle | Non-fatal injury | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Pick-up truck | Other motor vehicle | |
| | | | | | North | Stopped | Pick-up truck | Other motor vehicle | |
| 2016-Jul-19, Tue,14:40 | Clear | Rear end | Non-fatal injury | Dry | South | Going ahead | Truck - closed | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2016-Jul-25, Mon,16:10 | Clear | SMV other | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Pole (utility, power) | 0 |
| 2016-Aug-11, Thu,16:06 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Stopped | Passenger van | Other motor vehicle | |
| 2016-Aug-28, Sun,16:26 | Rain | Rear end | P.D. only | Wet | East | Slowing or stopping | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Slowing or stopping | Pick-up truck | Other motor vehicle | |
| 2016-Aug-31, Wed,17:36 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Slowing or stopping | Pick-up truck | Other motor vehicle | |
| 2016-Sep-02, Fri,14:38 | Clear | Other | P.D. only | Dry | West | Reversing | Truck and trailer | Other motor vehicle | 0 |
| | | | | | East | Stopped | Pick-up truck | Other motor vehicle | |
| 2016-Sep-20, Tue,00:25 | Clear | Angle | P.D. only | Dry | North | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 **To:** December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|-----------------------|---------|
| 2016-Nov-15, Tue,16:50 | Clear | Sideswipe | P.D. only | Dry | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Stopped | Pick-up truck | Other motor vehicle | |
| 2016-Nov-24, Thu,08:45 | Clear | Rear end | P.D. only | Loose snow | North | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Pick-up truck | Other motor vehicle | |
| 2016-Nov-30, Wed,12:41 | Rain | Sideswipe | P.D. only | Wet | North | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Pick-up truck | Other motor vehicle | |
| 2016-Dec-15, Thu,10:26 | Clear | Angle | Non-fatal injury | Dry | West | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Pick-up truck | Other motor vehicle | |
| 2017-Jan-05, Thu,22:29 | Rain | Rear end | P.D. only | Ice | North | Going ahead | Automobile, station wagon | Skidding/sliding | 0 |
| | | | | | North | Stopped | Pick-up truck | Other motor vehicle | |
| 2017-Jan-06, Fri,11:04 | Clear | Rear end | P.D. only | Ice | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Pick-up truck | Other motor vehicle | |
| 2017-Feb-02, Thu,07:10 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Feb-10, Fri,12:40 | Clear | Rear end | P.D. only | Dry | East | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Intercity bus | Other motor vehicle | |
| | | | | | East | Stopped | Delivery van | Other motor vehicle | |
| 2017-Feb-14, Tue,00:08 | Clear | SMV other | P.D. only | Dry | South | Reversing | Construction equipment | Pole (utility, power) | 0 |
| 2017-Apr-17, Mon,13:56 | Clear | SMV other | Non-fatal injury | Dry | West | Going ahead | Passenger van | Curb | 0 |
| 2017-Apr-24, Mon,20:57 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Pick-up truck | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Apr-25, Tue,05:17 | Clear | Angle | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Pick-up truck | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2017-May-09, Tue,05:51 | Clear | Angle | Non-fatal injury | Dry | East | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Jun-12, Mon,18:00 | Clear | Rear end | P.D. only | Dry | North | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2017-Jun-22, Thu,17:20 | Clear | Sideswipe | P.D. only | Dry | West | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |
| 2017-Jul-29, Sat,15:29 | Clear | Rear end | P.D. only | Dry | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Slowing or stopping | Unknown | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Unknown | Other motor vehicle | |
| 2017-Jul-30, Sun,20:38 | Clear | Sideswipe | P.D. only | Dry | East | Turning right | Unknown | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Aug-29, Tue,10:42 | Clear | Turning movement | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2017-Sep-02, Sat,09:41 | Clear | Angle | P.D. only | Dry | North | Going ahead | Truck - dump | Other motor vehicle | 0 |
| | | | | | East | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2017-Sep-06, Wed,17:55 | Clear | Rear end | P.D. only | Dry | North | Slowing or stopping | Passenger van | Other motor vehicle | 0 |
| | | | | | North | Stopped | Passenger van | Other motor vehicle | |
| 2017-Sep-25, Mon,14:53 | Clear | Angle | Non-fatal injury | Dry | South | Going ahead | Bicycle | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Pick-up truck | Cyclist | |
| 2017-Sep-29, Fri,13:00 | Clear | Sideswipe | P.D. only | Dry | North | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Sep-30, Sat,11:00 | Clear | Rear end | P.D. only | Dry | South | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|-------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|----------------------------|---------|
| 2017-Oct-10, Tue, 14:00 | Clear | Sideswipe | P.D. only | Dry | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Nov-09, Thu, 12:08 | Rain | SMV other | P.D. only | Wet | South | Slowing or stopping | Automobile, station wagon | Pole (utility, power) | 0 |
| 2017-Nov-28, Tue, 15:40 | Clear | Rear end | P.D. only | Dry | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Dec-28, Thu, 08:10 | Snow | Rear end | P.D. only | Loose snow | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| 2018-Jan-02, Tue, 12:26 | Snow | Rear end | P.D. only | Slush | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| 2018-Jan-11, Thu, 14:47 | Clear | Sideswipe | P.D. only | Wet | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Feb-09, Fri, 03:30 | Clear | SMV other | P.D. only | Packed snow | South | Going ahead | Automobile, station wagon | Pole (sign, parking meter) | 0 |
| 2018-Feb-22, Thu, 20:15 | Clear | Rear end | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Mar-02, Fri, 08:30 | Clear | Rear end | P.D. only | Dry | North | Going ahead | Unknown | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Mar-11, Sun, 15:35 | Clear | Rear end | P.D. only | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Mar-26, Mon, 12:11 | Clear | Rear end | Non-fatal injury | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2018-Apr-26, Thu, 14:27 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|-----------------------|---------|
| 2018-May-10, Thu,19:30 | Clear | Rear end | P.D. only | Dry | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2018-Jun-11, Mon,16:00 | Clear | Rear end | P.D. only | Dry | North | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Jun-22, Fri,16:00 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Jul-05, Thu,21:04 | Clear | Rear end | P.D. only | Dry | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2018-Jul-27, Fri,19:00 | Clear | Rear end | P.D. only | Dry | East | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Sep-09, Sun,22:44 | Clear | Angle | Non-fatal injury | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-02, Tue,15:52 | Clear | Rear end | Non-fatal injury | Dry | North | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-07, Sun,19:40 | Clear | Sideswipe | P.D. only | Dry | North | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-17, Wed,08:05 | Clear | Rear end | Non-fatal injury | Dry | North | Changing lanes | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-30, Tue,09:33 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Nov-02, Fri,16:52 | Rain | Other | P.D. only | Wet | South | Reversing | Truck - closed | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Nov-12, Mon,07:31 | Clear | SMV other | Non-fatal injury | Ice | East | Turning left | Automobile, station wagon | Pole (utility, power) | 0 |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|----------------|----------------|----------|-------------------|---------------------------|----------------------------|---------|
| 2018-Nov-17, Sat,22:39 | Clear | Angle | P.D. only | Wet | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Nov-30, Fri,15:20 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-06, Sun,18:15 | Clear | Sideswipe | P.D. only | Dry | North | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Changing lanes | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-10, Thu,10:18 | Clear | Angle | P.D. only | Slush | East | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | South | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-12, Sat,14:35 | Clear | Rear end | P.D. only | Dry | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-20, Sun,09:59 | Snow | Sideswipe | P.D. only | Loose snow | East | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-25, Fri,09:57 | Clear | Rear end | P.D. only | Ice | West | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Mar-06, Wed,18:30 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2019-Mar-12, Tue,06:00 | Clear | SMV other | P.D. only | Ice | West | Turning right | Automobile, station wagon | Pole (sign, parking meter) | 0 |
| 2019-Mar-20, Wed,07:03 | Clear | Rear end | P.D. only | Dry | West | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Mar-27, Wed,06:45 | Clear | Rear end | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|---------------------|---------------------------|----------------------------|---------|
| 2019-Mar-28, Thu,15:17 | Clear | Rear end | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | North | Stopped | Pick-up truck | Other motor vehicle | |
| 2019-Apr-28, Sun,23:20 | Clear | Rear end | Non-fatal injury | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-May-16, Thu,15:57 | Clear | Sideswipe | P.D. only | Dry | North | Turning left | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Turning left | Truck and trailer | Other motor vehicle | |
| 2019-Jun-03, Mon,10:08 | Rain | Angle | Non-fatal injury | Wet | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Jun-17, Mon,15:53 | Clear | Rear end | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | North | Stopped | Pick-up truck | Other motor vehicle | |
| 2019-Jun-22, Sat,10:00 | Clear | Other | P.D. only | Dry | North | Turning right | Automobile, station wagon | Other | 0 |
| | | | | | West | Turning left | Pick-up truck | Debris falling off vehicle | |
| 2019-Jun-24, Mon,09:15 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| 2019-Jul-17, Wed,23:42 | Clear | Angle | Non-fatal injury | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Jul-24, Wed,19:20 | Clear | Sideswipe | P.D. only | Dry | West | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2019-Aug-08, Thu,21:25 | Clear | Rear end | Non-fatal injury | Dry | East | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2019-Aug-11, Sun,16:39 | Clear | Rear end | P.D. only | Dry | West | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2019-Sep-04, Wed,09:56 | Clear | Turning movement | P.D. only | Dry | South | Turning right | Tow truck | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Sep-29, Sun,12:34 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Oct-07, Mon,16:00 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Oct-29, Tue,11:36 | Clear | Sideswipe | P.D. only | Dry | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2019-Oct-31, Thu,11:11 | Clear | Turning movement | Non-fatal injury | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Truck - tank | Other motor vehicle | |
| 2019-Nov-06, Wed,13:20 | Clear | Rear end | P.D. only | Dry | South | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Nov-07, Thu,14:45 | Clear | Rear end | P.D. only | Dry | West | Changing lanes | Passenger van | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Nov-12, Tue,02:23 | Snow | SMV other | P.D. only | Loose snow | East | Turning right | Automobile, station wagon | Curb | 0 |
| 2019-Nov-13, Wed,10:04 | Clear | Sideswipe | P.D. only | Packed snow | North | Turning left | Truck - tank | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2019-Nov-13, Wed,11:31 | Clear | Rear end | P.D. only | Ice | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Nov-29, Fri,16:00 | Clear | Rear end | P.D. only | Dry | West | Turning right | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: BANK ST @ HUNT CLUB RD

Traffic Control: Traffic signal

Total Collisions: 139

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|----------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2019-Dec-28, Sat,09:08 | Clear | Rear end | P.D. only | Wet | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Pick-up truck | Other motor vehicle | |

Location: DAZE ST @ 200 W OF BANK ST/SOUTHKEYS SC

Traffic Control: Traffic signal

Total Collisions: 5

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|----------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2015-Jan-22, Thu,17:03 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Passenger van | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-Feb-14, Sat,14:47 | Snow | Rear end | P.D. only | Slush | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |
| 2016-Mar-03, Thu,09:57 | Clear | Turning movement | P.D. only | Dry | South | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2017-Dec-02, Sat,22:10 | Clear | Turning movement | P.D. only | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Pick-up truck | Other motor vehicle | |
| 2017-Dec-15, Fri,23:45 | Snow | Rear end | P.D. only | Loose snow | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |

Location: DAZE ST btwn 200 W OF BANK ST & BANK ST

Traffic Control: No control

Total Collisions: 3

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|----------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2015-Oct-25, Sun,12:20 | Clear | Sideswipe | P.D. only | Dry | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Pick-up truck | Other motor vehicle | |
| 2016-May-16, Mon,15:30 | Clear | Angle | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: DAZE ST btwn 200 W OF BANK ST & BANK ST

Traffic Control: No control

Total Collisions: 3

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|----------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2018-Oct-16, Tue,07:15 | Clear | Angle | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |

Location: DAZE ST btwn HUNT CLUB RD & 200 W OF BANK ST

Traffic Control: No control

Total Collisions: 7

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2015-Mar-17, Tue,15:54 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2016-Feb-14, Sun,00:29 | Clear | Turning movement | P.D. only | Dry | South | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Pick-up truck | Other motor vehicle | |
| 2016-Jun-28, Tue,12:15 | Clear | SMV other | P.D. only | Dry | North | Going ahead | Pick-up truck | Curb | 0 |
| 2016-Dec-30, Fri,10:49 | Clear | Angle | P.D. only | Wet | West | Turning left | Delivery van | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-May-26, Fri,14:14 | Rain | SMV other | P.D. only | Wet | South | Going ahead | Automobile, station wagon | Skidding/sliding | 0 |
| 2019-Mar-29, Fri,16:09 | Clear | Turning movement | Non-fatal injury | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Dec-11, Wed,17:30 | Snow | Turning movement | P.D. only | Packed snow | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |

Location: HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuver | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|----------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2015-Jan-06, Tue,17:08 | Snow | Turning movement | P.D. only | Loose snow | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2015-Jan-20, Tue,18:20 | Clear | Sideswipe | P.D. only | Wet | East | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning right | Pick-up truck | Other motor vehicle | |
| 2015-Mar-14, Sat,13:50 | Clear | Sideswipe | P.D. only | Dry | North | Changing lanes | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-Mar-17, Tue,15:20 | Clear | Rear end | Non-fatal injury | Dry | West | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Stopped | Passenger van | Other motor vehicle | |
| 2015-Mar-20, Fri,08:22 | Clear | Rear end | P.D. only | Dry | East | Slowing or stopping | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| 2015-Apr-27, Mon,13:06 | Clear | Turning movement | Non-fatal injury | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2015-May-25, Mon,16:00 | Rain | Angle | P.D. only | Wet | South | Turning right | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Municipal transit bus | Other motor vehicle | |
| 2015-Jul-30, Thu,17:57 | Clear | Rear end | P.D. only | Dry | South | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2015-Sep-01, Tue,16:34 | Clear | Rear end | Non-fatal injury | Dry | West | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Stopped | Passenger van | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2015-Sep-22, Tue,15:30 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |
| 2015-Nov-08, Sun,12:29 | Clear | Rear end | P.D. only | Dry | East | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | East | Stopped | Pick-up truck | Other motor vehicle | |
| 2015-Dec-04, Fri,18:36 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 **To:** December 31, 2019

Location: HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2015-Dec-28, Mon,13:40 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Stopped | Pick-up truck | Other motor vehicle | |
| 2016-Mar-23, Wed,07:45 | Clear | Rear end | P.D. only | Dry | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Passenger van | Other motor vehicle | |
| 2016-Apr-22, Fri,10:19 | Rain | Turning movement | P.D. only | Wet | South | Going ahead | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2016-Jun-29, Wed,10:35 | Clear | Angle | P.D. only | Dry | East | Turning right | Delivery van | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2016-Sep-01, Thu,23:42 | Clear | Rear end | P.D. only | Dry | South | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2016-Sep-17, Sat,09:08 | Clear | Other | P.D. only | Dry | South | Reversing | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2016-Oct-24, Mon,18:30 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Passenger van | Other motor vehicle | |
| 2016-Nov-04, Fri,18:53 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Jan-19, Thu,11:05 | Clear | SMV other | Non-fatal injury | Wet | East | Going ahead | Passenger van | Pedestrian | 1 |
| 2017-Jan-23, Mon,21:31 | Clear | Rear end | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2017-Jan-27, Fri,21:37 | Clear | Rear end | Non-fatal injury | Ice | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2017-Feb-09, Thu,13:11 | Clear | Rear end | Non-fatal injury | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Apr-20, Thu,21:03 | Clear | Turning movement | Non-fatal injury | Dry | East | Turning right | Passenger van | Other motor vehicle | 0 |
| | | | | | West | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2017-Apr-28, Fri,16:06 | Clear | Rear end | Non-fatal injury | Dry | East | Going ahead | Automobile, station wagon | Cyclist | 0 |
| | | | | | East | Going ahead | Bicycle | Other motor vehicle | |
| 2017-May-03, Wed,15:39 | Clear | Rear end | P.D. only | Dry | East | Slowing or stopping | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Jul-03, Mon,09:09 | Clear | Angle | Non-fatal injury | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Aug-14, Mon,09:30 | Clear | Angle | Non-fatal injury | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Sep-14, Thu,08:25 | Clear | Rear end | P.D. only | Dry | West | Stopped | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Sep-23, Sat,17:40 | Clear | Turning movement | P.D. only | Dry | South | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2017-Oct-23, Mon,13:21 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Passenger van | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2017-Oct-28, Sat,10:30 | Clear | Sideswipe | P.D. only | Dry | South | Unknown | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Unknown | Automobile, station wagon | Other motor vehicle | |
| 2017-Dec-17, Sun,13:42 | Clear | Rear end | Non-fatal injury | Slush | South | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning left | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|---------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2017-Dec-20, Wed,10:30 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Turning left | Automobile, station wagon | Other motor vehicle | |
| 2018-Mar-05, Mon,14:52 | Clear | Sideswipe | P.D. only | Dry | West | Changing lanes | Passenger van | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-May-12, Sat,13:15 | Clear | Rear end | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-May-21, Mon,19:20 | Clear | Turning movement | P.D. only | Dry | East | Turning right | Unknown | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Jun-03, Sun,12:07 | Freezing Rain | Rear end | Non-fatal injury | Wet | South | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2018-Jul-01, Sun,12:55 | Clear | Turning movement | P.D. only | Dry | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Jul-03, Tue,20:24 | Clear | Rear end | Non-fatal injury | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Jul-06, Fri,23:20 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Jul-15, Sun,08:27 | Clear | Angle | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Stopped | Passenger van | Other motor vehicle | |
| 2018-Jul-16, Mon,08:49 | Clear | Angle | P.D. only | Dry | North | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Jul-19, Thu,15:30 | Clear | Rear end | P.D. only | Dry | East | Stopped | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Pick-up truck | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|------------------------|------------------|------------------|----------------|----------|---------------------|---------------------------|---------------------|---------|
| 2018-Jul-31, Tue,08:05 | Clear | Rear end | Non-fatal injury | Dry | West | Going ahead | Passenger van | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Sep-08, Sat,17:45 | Clear | Turning movement | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-06, Sat,14:07 | Clear | Rear end | Non-fatal injury | Dry | East | Slowing or stopping | Truck and trailer | Other motor vehicle | 0 |
| | | | | | East | Stopped | Passenger van | Other motor vehicle | |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-07, Sun,11:30 | Clear | Sideswipe | P.D. only | Dry | North | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-11, Thu,16:30 | Fog, mist, smoke, dust | Sideswipe | P.D. only | Dry | East | Merging | Unknown | Other motor vehicle | 0 |
| | | | | | East | Merging | Automobile, station wagon | Other motor vehicle | |
| 2018-Oct-30, Tue,18:30 | Clear | Rear end | P.D. only | Wet | South | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Nov-22, Thu,11:30 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Slowing or stopping | Delivery van | Other motor vehicle | |
| 2018-Dec-15, Sat,17:16 | Clear | Rear end | Non-fatal injury | Wet | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Slowing or stopping | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2018-Dec-18, Tue,19:47 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2018-Dec-19, Wed,16:01 | Clear | Rear end | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2018-Dec-24, Mon,13:04 | Clear | Rear end | P.D. only | Loose snow | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Jan-27, Sun,14:40 | Clear | Rear end | P.D. only | Loose snow | North | Turning right | Pick-up truck | Other motor vehicle | 0 |
| | | | | | North | Turning right | Passenger van | Other motor vehicle | |
| 2019-Jan-31, Thu,16:05 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Truck and trailer | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Feb-09, Sat,18:00 | Clear | Sideswipe | P.D. only | Ice | West | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Feb-13, Wed,19:20 | Snow | Rear end | P.D. only | Loose snow | West | Unknown | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Mar-14, Thu,21:20 | Clear | Rear end | P.D. only | Dry | East | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-May-13, Mon,12:22 | Clear | Sideswipe | P.D. only | Dry | West | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2019-May-15, Wed,21:10 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-May-18, Sat,15:00 | Clear | Rear end | P.D. only | Dry | South | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2019-Jun-08, Sat,06:09 | Clear | Angle | P.D. only | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | North | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Jun-10, Mon,17:09 | Clear | Rear end | Non-fatal injury | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Jun-27, Thu,21:46 | Rain | Sideswipe | P.D. only | Wet | East | Changing lanes | Automobile, station wagon | Cyclist | 0 |
| | | | | | East | Going ahead | Bicycle | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 To: December 31, 2019

Location: HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|------------------|------------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2019-Jul-04, Thu,13:50 | Clear | Rear end | Non-fatal injury | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | South | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Jul-07, Sun,18:36 | Clear | Turning movement | P.D. only | Dry | North | Turning left | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Aug-08, Thu,19:03 | Clear | Rear end | P.D. only | Dry | West | Unknown | Unknown | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Aug-20, Tue,15:05 | Clear | Rear end | Non-fatal injury | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Pick-up truck | Other motor vehicle | |
| 2019-Aug-23, Fri,17:48 | Clear | Angle | Non-fatal injury | Dry | South | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Aug-31, Sat,18:02 | Clear | Angle | Non-fatal injury | Dry | East | Turning right | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Sep-01, Sun,13:51 | Clear | Rear end | P.D. only | Dry | East | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | East | Going ahead | Automobile, station wagon | Other motor vehicle | |
| 2019-Sep-12, Thu,06:00 | Clear | Sideswipe | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Going ahead | Pick-up truck | Other motor vehicle | |
| 2019-Sep-14, Sat,13:04 | Clear | Angle | Non-fatal injury | Dry | East | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |



Transportation Services - Traffic Services

Collision Details Report - Public Version

From: January 1, 2015 **To:** December 31, 2019

Location: HUNT CLUB RD @ BRIDLE PATH DR/DAZE ST

Traffic Control: Traffic signal

Total Collisions: 80

| Date/Day/Time | Environment | Impact Type | Classification | Surface Cond'n | Veh. Dir | Vehicle Manoeuvre | Vehicle type | First Event | No. Ped |
|------------------------|-------------|-------------|------------------|----------------|----------|-------------------|---------------------------|---------------------|---------|
| 2019-Sep-17, Tue,17:00 | Clear | Rear end | P.D. only | Dry | West | Going ahead | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| | | | | | West | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Sep-19, Thu,13:30 | Clear | Rear end | Non-fatal injury | Dry | East | Turning right | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Turning right | Automobile, station wagon | Other motor vehicle | |
| 2019-Sep-20, Fri,15:30 | Clear | Sideswipe | P.D. only | Dry | East | Changing lanes | Pick-up truck | Other motor vehicle | 0 |
| | | | | | East | Stopped | Automobile, station wagon | Other motor vehicle | |
| 2019-Dec-08, Sun,16:43 | Clear | Sideswipe | P.D. only | Wet | South | Changing lanes | Automobile, station wagon | Other motor vehicle | 0 |
| | | | | | South | Going ahead | Automobile, station wagon | Other motor vehicle | |

Appendix F – Trip Generation Data

Shopping Center (820)

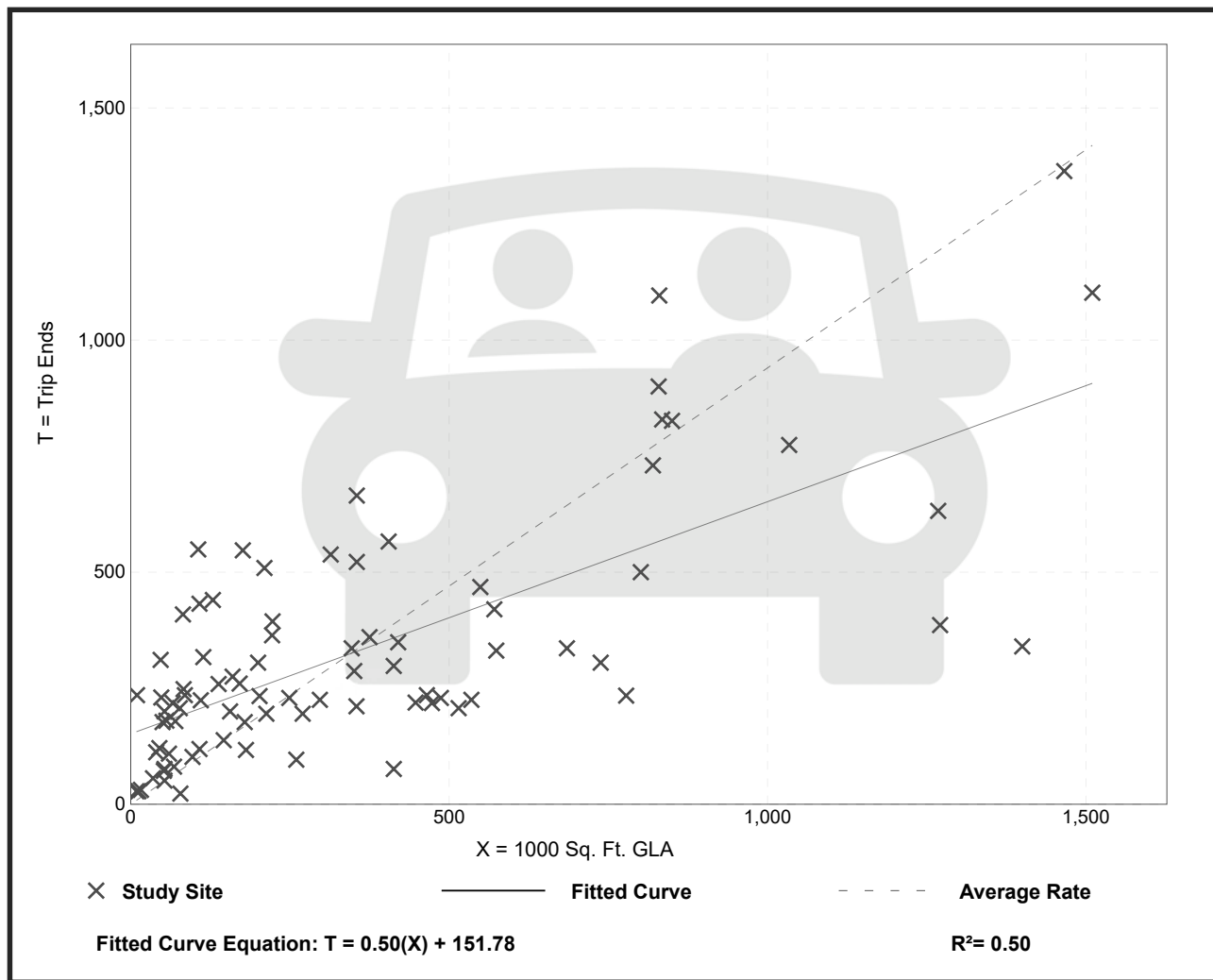
Vehicle Trip Ends vs: 1000 Sq. Ft. GLA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban
 Number of Studies: 84
 Avg. 1000 Sq. Ft. GLA: 351
 Directional Distribution: 62% entering, 38% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.94 | 0.18 - 23.74 | 0.87 |

Data Plot and Equation



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Shopping Center (820)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.

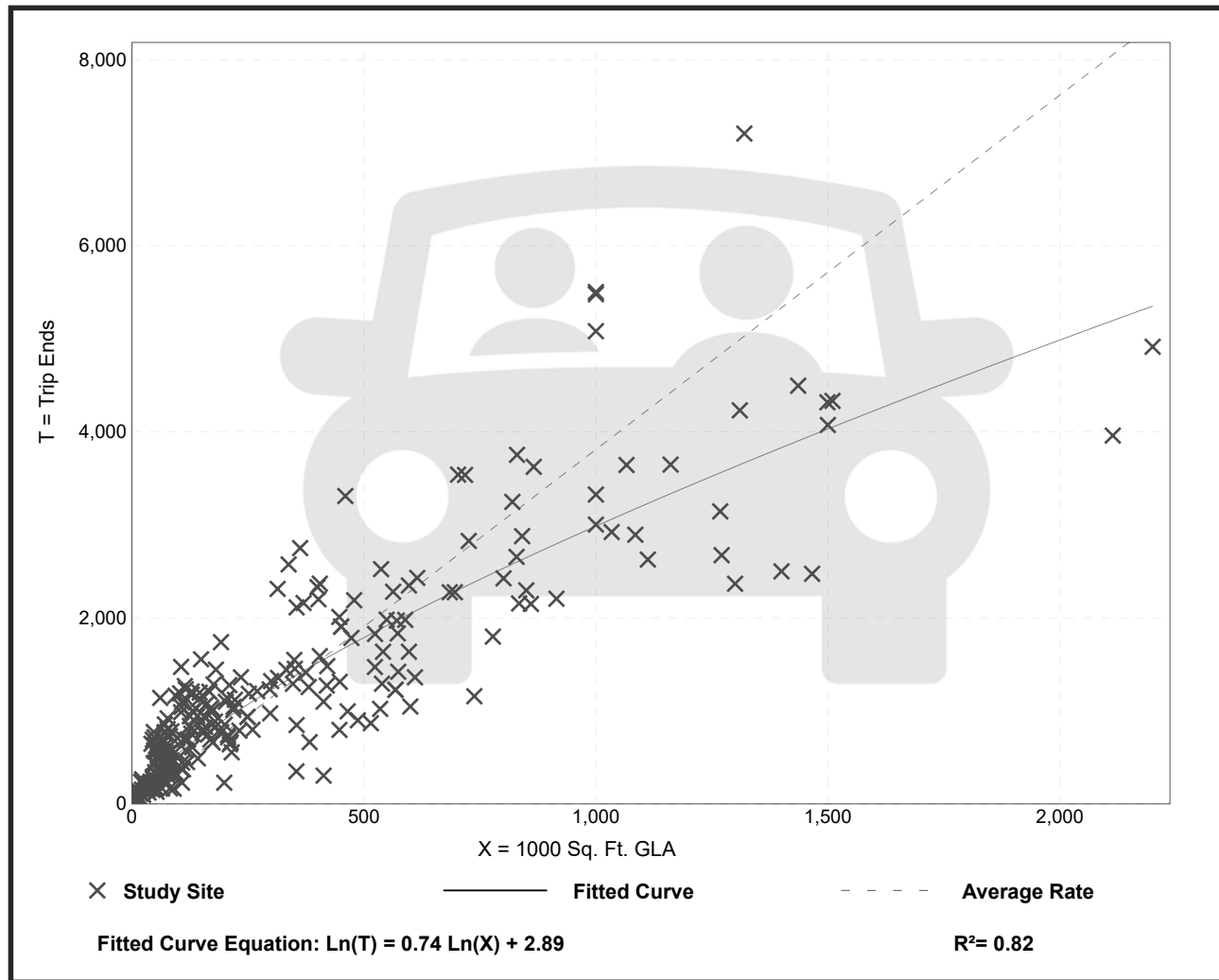
Setting/Location: General Urban/Suburban

Number of Studies: 261
 Avg. 1000 Sq. Ft. GLA: 327
 Directional Distribution: 48% entering, 52% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 3.81 | 0.74 - 18.69 | 2.04 |

Data Plot and Equation



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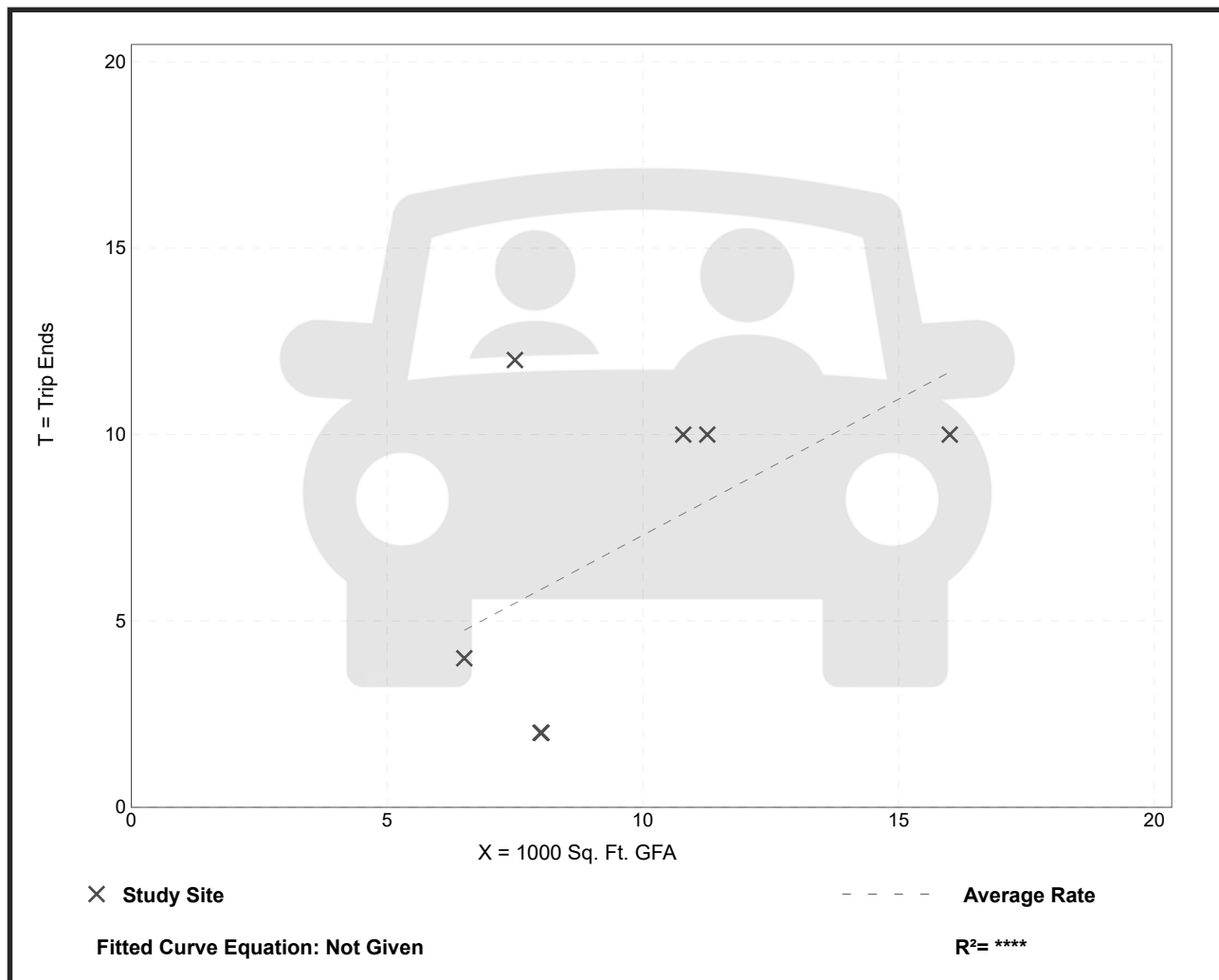
Quality Restaurant (931)

Vehicle Trip Ends vs: **1000 Sq. Ft. GFA**
On a: **Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 7 and 9 a.m.**
Setting/Location: **General Urban/Suburban**
Number of Studies: 7
Avg. 1000 Sq. Ft. GFA: 10
Directional Distribution: Not Available

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.73 | 0.25 - 1.60 | 0.42 |

Data Plot and Equation



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Quality Restaurant (931)

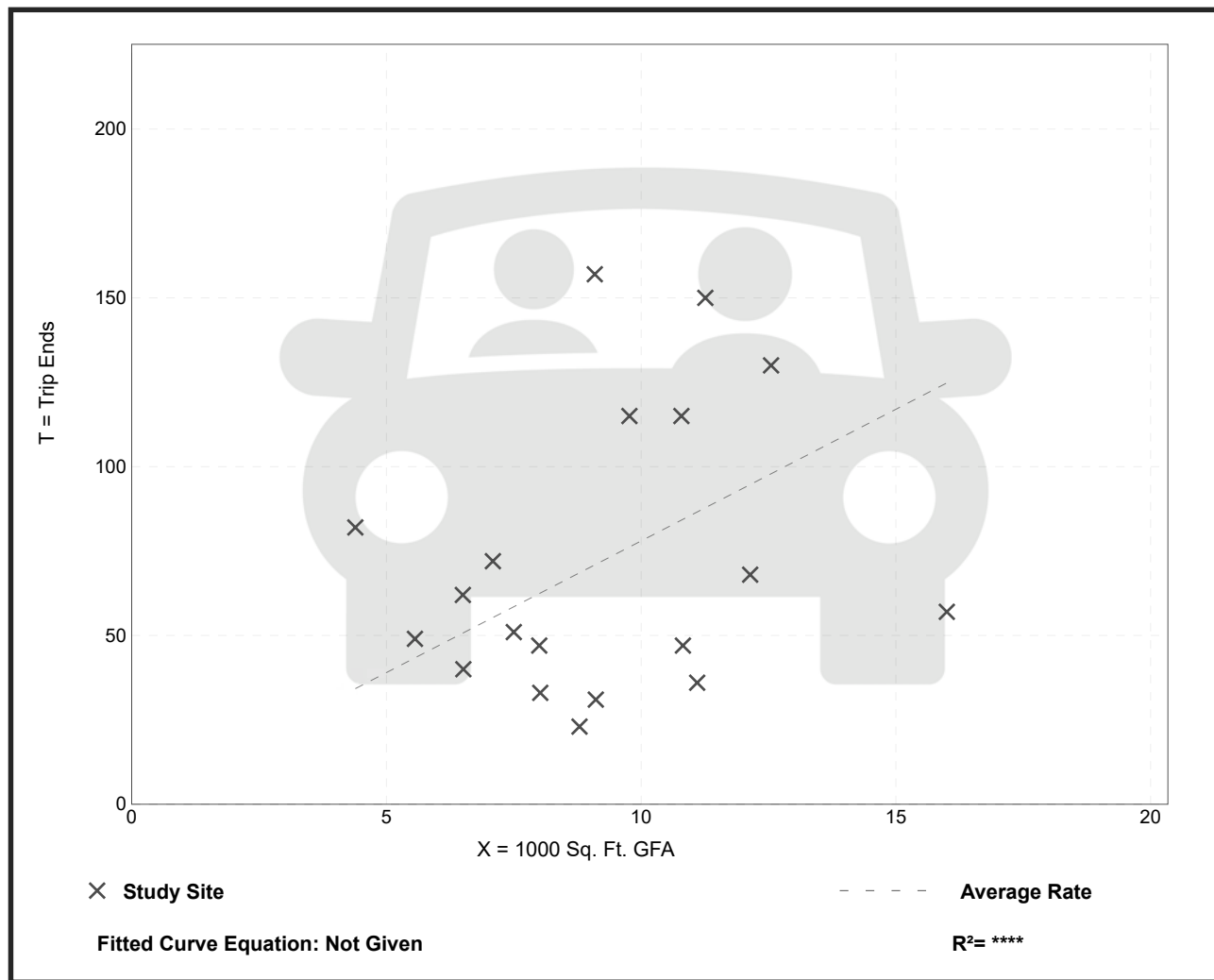
Vehicle Trip Ends vs: 1000 Sq. Ft. GFA
On a: Weekday,
Peak Hour of Adjacent Street Traffic,
One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban
 Number of Studies: 19
 Avg. 1000 Sq. Ft. GFA: 9
 Directional Distribution: 67% entering, 33% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 7.80 | 2.62 - 18.68 | 4.49 |

Data Plot and Equation



Hunt Club

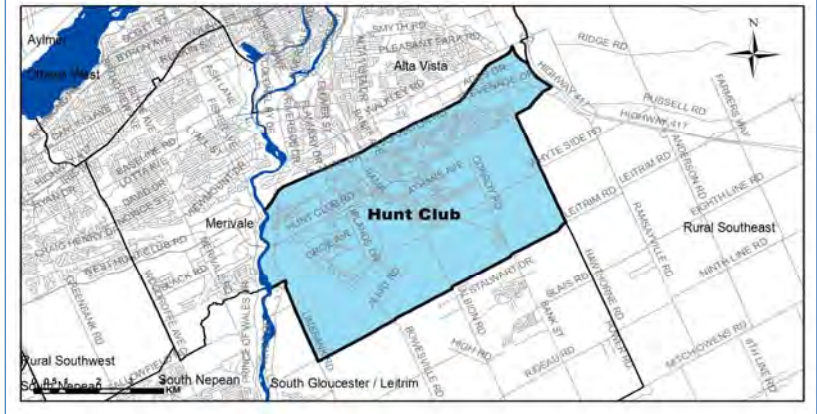
Demographic Characteristics

| | | | |
|---------------------|--------|-------------------------|--------|
| Population | 56,820 | Actively Travelled | 45,210 |
| Employed Population | 25,400 | Number of Vehicles | 30,390 |
| Households | 22,130 | Area (km ²) | 52.3 |

| Occupation Status (age 5+) | Male | Female | Total |
|----------------------------|---------------|---------------|---------------|
| Full Time Employed | 11,620 | 10,650 | 22,280 |
| Part Time Employed | 1,130 | 2,000 | 3,130 |
| Student | 7,910 | 7,300 | 15,210 |
| Retiree | 3,690 | 4,680 | 8,380 |
| Unemployed | 730 | 700 | 1,430 |
| Homemaker | 90 | 1,950 | 2,030 |
| Other | 420 | 660 | 1,080 |
| Total: | 25,580 | 27,950 | 53,520 |

| Traveller Characteristics | Male | Female | Total |
|---------------------------|--------|--------|---------|
| Transit Pass Holders | 5,960 | 7,020 | 12,980 |
| Licensed Drivers | 18,420 | 19,280 | 37,700 |
| Telecommuters | 80 | 190 | 270 |
| Trips made by residents | 66,220 | 74,780 | 141,000 |

| Selected Indicators | |
|---|------|
| Daily Trips per Person (age 5+) | 2.63 |
| Vehicles per Person | 0.53 |
| Number of Persons per Household | 2.57 |
| Daily Trips per Household | 6.37 |
| Vehicles per Household | 1.37 |
| Workers per Household | 1.15 |
| Population Density (Pop/km ²) | 1090 |

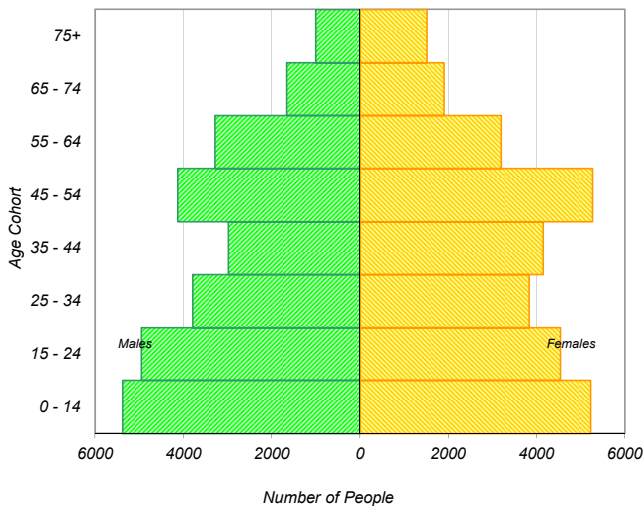


| Household Size | | |
|----------------|---------------|-------------|
| 1 person | 4,880 | 22% |
| 2 persons | 7,100 | 32% |
| 3 persons | 3,880 | 18% |
| 4 persons | 3,940 | 18% |
| 5+ persons | 2,330 | 11% |
| Total: | 22,130 | 100% |

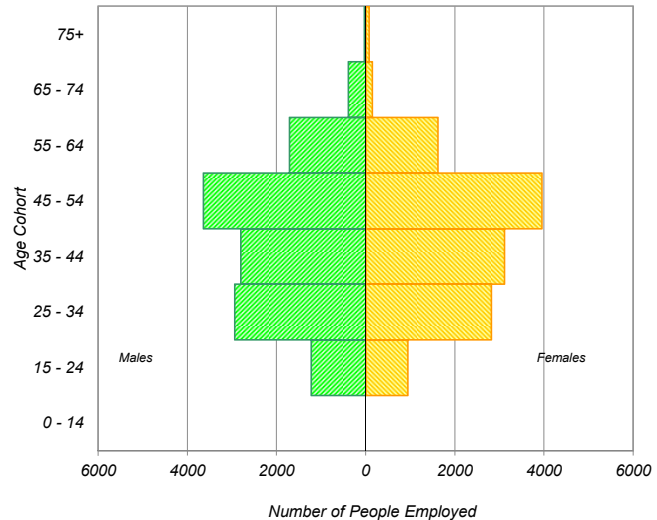
| Households by Vehicle Availability | | |
|------------------------------------|---------------|-------------|
| 0 vehicles | 2,030 | 9% |
| 1 vehicle | 11,340 | 51% |
| 2 vehicles | 7,400 | 33% |
| 3 vehicles | 1,220 | 6% |
| 4+ vehicles | 140 | 1% |
| Total: | 22,130 | 100% |

| Households by Dwelling Type | | |
|-----------------------------|---------------|-------------|
| Single-detached | 6,980 | 32% |
| Semi-detached | 2,150 | 10% |
| Townhouse | 8,900 | 40% |
| Apartment/Condo | 4,110 | 19% |
| Total: | 22,130 | 100% |

Population



Employed Population



* In 2005 data was only collected for household members aged 11+ therefore these results cannot be compared to the 2011 data.

Travel Patterns

Top Five Destinations of Trips from Hunt Club

AM Peak Period



Summary of Trips to and from Hunt Club

AM Peak Period (6:30 - 8:59)

| Districts | Destinations of Trips From | | Origins of Trips To | |
|----------------------------|----------------------------|-------------|---------------------|-------------|
| | District | % Total | District | % Total |
| Ottawa Centre | 3,320 | 10% | 180 | 1% |
| Ottawa Inner Area | 3,060 | 10% | 830 | 4% |
| Ottawa East | 960 | 3% | 540 | 3% |
| Beacon Hill | 380 | 1% | 170 | 1% |
| Alta Vista | 7,990 | 25% | 1,980 | 10% |
| Hunt Club | 8,550 | 27% | 8,550 | 44% |
| Merivale | 3,130 | 10% | 960 | 5% |
| Ottawa West | 580 | 2% | 360 | 2% |
| Bayshore / Cedarview | 540 | 2% | 230 | 1% |
| Orléans | 630 | 2% | 950 | 5% |
| Rural East | 50 | 0% | 140 | 1% |
| Rural Southeast | 190 | 1% | 1,210 | 6% |
| South Gloucester / Leitrim | 870 | 3% | 1,100 | 6% |
| South Nepean | 440 | 1% | 920 | 5% |
| Rural Southwest | 180 | 1% | 220 | 1% |
| Kanata / Stittsville | 420 | 1% | 490 | 3% |
| Rural West | 60 | 0% | 80 | 0% |
| Île de Hull | 380 | 1% | 50 | 0% |
| Hull Périphérie | 170 | 1% | 50 | 0% |
| Plateau | 0 | 0% | 80 | 0% |
| Aylmer | 0 | 0% | 160 | 1% |
| Rural Northwest | 0 | 0% | 110 | 1% |
| Pointe Gatineau | 70 | 0% | 70 | 0% |
| Gatineau Est | 80 | 0% | 120 | 1% |
| Rural Northeast | 30 | 0% | 20 | 0% |
| Buckingham / Masson-Angers | 0 | 0% | 0 | 0% |
| Ontario Sub-Total: | 31,350 | 98% | 18,910 | 97% |
| Québec Sub-Total: | 730 | 2% | 660 | 3% |
| Total: | 32,080 | 100% | 19,570 | 100% |

Trips by Trip Purpose

| 24 Hours | From District | | To District | | Within District | |
|---------------------------|---------------|-------------|---------------|-------------|-----------------|-------------|
| Work or related | 19,270 | 25% | 12,680 | 16% | 3,720 | 9% |
| School | 9,690 | 12% | 1,260 | 2% | 3,410 | 8% |
| Shopping | 6,290 | 8% | 9,030 | 12% | 7,130 | 17% |
| Leisure | 6,830 | 9% | 5,190 | 7% | 3,880 | 9% |
| Medical | 2,210 | 3% | 1,090 | 1% | 180 | 0% |
| Pick-up / drive passenger | 5,400 | 7% | 5,740 | 7% | 3,610 | 9% |
| Return Home | 25,220 | 32% | 39,090 | 51% | 18,040 | 43% |
| Other | 3,490 | 4% | 3,100 | 4% | 2,190 | 5% |
| Total: | 78,400 | 100% | 77,180 | 100% | 42,160 | 100% |

| AM Peak (06:30 - 08:59) | From District | | To District | | Within District | |
|---------------------------|---------------|-------------|---------------|-------------|-----------------|-------------|
| Work or related | 12,470 | 53% | 6,990 | 63% | 1,840 | 22% |
| School | 7,350 | 31% | 1,150 | 10% | 3,190 | 37% |
| Shopping | 260 | 1% | 390 | 4% | 330 | 4% |
| Leisure | 360 | 2% | 340 | 3% | 370 | 4% |
| Medical | 650 | 3% | 140 | 1% | 20 | 0% |
| Pick-up / drive passenger | 1,480 | 6% | 880 | 8% | 1,340 | 16% |
| Return Home | 420 | 2% | 570 | 5% | 670 | 8% |
| Other | 560 | 2% | 570 | 5% | 780 | 9% |
| Total: | 23,550 | 100% | 11,030 | 100% | 8,540 | 100% |

| PM Peak (15:30 - 17:59) | From District | | To District | | Within District | |
|---------------------------|---------------|-------------|---------------|-------------|-----------------|-------------|
| Work or related | 460 | 3% | 530 | 2% | 140 | 1% |
| School | 350 | 2% | 0 | 0% | 50 | 1% |
| Shopping | 1,370 | 9% | 2,130 | 10% | 1,530 | 16% |
| Leisure | 1,440 | 9% | 1,230 | 6% | 1,080 | 11% |
| Medical | 240 | 2% | 120 | 1% | 10 | 0% |
| Pick-up / drive passenger | 1,420 | 9% | 2,010 | 9% | 930 | 9% |
| Return Home | 9,130 | 59% | 15,540 | 70% | 5,730 | 58% |
| Other | 990 | 6% | 780 | 3% | 400 | 4% |
| Total: | 15,400 | 100% | 22,340 | 100% | 9,870 | 100% |

| Peak Period (%) | Total: | % of 24 Hours | Within District (%) |
|-----------------|---------|---------------|---------------------|
| 24 Hours | 197,740 | | 21% |
| AM Peak Period | 43,120 | 22% | 20% |
| PM Peak Period | 47,610 | 24% | 21% |

Trips by Primary Travel Mode

| 24 Hours | From District | | To District | | Within District | |
|----------------|---------------|-------------|---------------|-------------|-----------------|-------------|
| Auto Driver | 47,460 | 61% | 47,270 | 61% | 22,130 | 52% |
| Auto Passenger | 12,000 | 15% | 11,370 | 15% | 6,360 | 15% |
| Transit | 13,980 | 18% | 13,850 | 18% | 1,660 | 4% |
| Bicycle | 560 | 1% | 580 | 1% | 360 | 1% |
| Walk | 310 | 0% | 350 | 0% | 8,370 | 20% |
| Other | 4,100 | 5% | 3,740 | 5% | 3,290 | 8% |
| Total: | 78,410 | 100% | 77,160 | 100% | 42,170 | 100% |

| AM Peak (06:30 - 08:59) | From District | | To District | | Within District | |
|-------------------------|---------------|-------------|---------------|-------------|-----------------|-------------|
| Auto Driver | 10,420 | 44% | 8,350 | 76% | 3,700 | 43% |
| Auto Passenger | 2,740 | 12% | 1,080 | 10% | 1,190 | 14% |
| Transit | 7,540 | 32% | 710 | 6% | 270 | 3% |
| Bicycle | 220 | 1% | 130 | 1% | 100 | 1% |
| Walk | 150 | 1% | 20 | 0% | 1,720 | 20% |
| Other | 2,490 | 11% | 760 | 7% | 1,570 | 18% |
| Total: | 23,560 | 100% | 11,050 | 100% | 8,550 | 100% |

| PM Peak (15:30 - 17:59) | From District | | To District | | Within District | |
|-------------------------|---------------|-------------|---------------|-------------|-----------------|-------------|
| Auto Driver | 10,960 | 71% | 12,380 | 55% | 5,340 | 54% |
| Auto Passenger | 2,590 | 17% | 2,910 | 13% | 1,880 | 19% |
| Transit | 1,330 | 9% | 5,460 | 24% | 270 | 3% |
| Bicycle | 120 | 1% | 180 | 1% | 80 | 1% |
| Walk | 30 | 0% | 40 | 0% | 1,710 | 17% |
| Other | 360 | 2% | 1,360 | 6% | 580 | 6% |
| Total: | 15,390 | 100% | 22,330 | 100% | 9,860 | 100% |

| Avg Vehicle Occupancy | From District | | To District | | Within District | |
|-----------------------|---------------|--|-------------|--|-----------------|--|
| 24 Hours | 1.25 | | 1.24 | | 1.29 | |
| AM Peak Period | 1.26 | | 1.13 | | 1.32 | |
| PM Peak Period | 1.24 | | 1.24 | | 1.35 | |

| Transit Modal Split | From District | | To District | | Within District | |
|---------------------|---------------|--|-------------|--|-----------------|--|
| 24 Hours | 19% | | 19% | | 6% | |
| AM Peak Period | 36% | | 7% | | 5% | |
| PM Peak Period | 9% | | 26% | | 4% | |

Appendix G – TDM Checklists

TDM-Supportive Development Design and Infrastructure Checklist: *Residential Developments (multi-family or condominium)*

| Legend | |
|-----------------|--|
| REQUIRED | The Official Plan or Zoning By-law provides related guidance that must be followed |
| BASIC | The measure is generally feasible and effective, and in most cases would benefit the development and its users |
| BETTER | The measure could maximize support for users of sustainable modes, and optimize development performance |

| TDM-supportive design & infrastructure measures: <i>Residential developments</i> | | Check if completed & add descriptions, explanations or plan/drawing references |
|---|---|--|
| 1. WALKING & CYCLING: ROUTES | | |
| 1.1 Building location & access points | | |
| BASIC | 1.1.1 Locate building close to the street, and do not locate parking areas between the street and building entrances | <input checked="" type="checkbox"/> |
| BASIC | 1.1.2 Locate building entrances in order to minimize walking distances to sidewalks and transit stops/stations | <input checked="" type="checkbox"/> |
| BASIC | 1.1.3 Locate building doors and windows to ensure visibility of pedestrians from the building, for their security and comfort | <input checked="" type="checkbox"/> |
| 1.2 Facilities for walking & cycling | | |
| REQUIRED | 1.2.1 Provide convenient, direct access to stations or major stops along rapid transit routes within 600 metres; minimize walking distances from buildings to rapid transit; provide pedestrian-friendly, weather-protected (where possible) environment between rapid transit accesses and building entrances; ensure quality linkages from sidewalks through building entrances to integrated stops/stations <i>(see Official Plan policy 4.3.3)</i> | <input checked="" type="checkbox"/> |
| REQUIRED | 1.2.2 Provide safe, direct and attractive pedestrian access from public sidewalks to building entrances through such measures as: reducing distances between public sidewalks and major building entrances; providing walkways from public streets to major building entrances; within a site, providing walkways along the front of adjoining buildings, between adjacent buildings, and connecting areas where people may congregate, such as courtyards and transit stops; and providing weather protection through canopies, colonnades, and other design elements wherever possible <i>(see Official Plan policy 4.3.12)</i> | <input checked="" type="checkbox"/> |

| TDM-supportive design & infrastructure measures: <i>Residential developments</i> | | Check if completed & add descriptions, explanations or plan/drawing references |
|---|---|--|
| REQUIRED | 1.2.3 Provide sidewalks of smooth, well-drained walking surfaces of contrasting materials or treatments to differentiate pedestrian areas from vehicle areas, and provide marked pedestrian crosswalks at intersection sidewalks (see <i>Official Plan policy 4.3.10</i>) | <input checked="" type="checkbox"/> |
| REQUIRED | 1.2.4 Make sidewalks and open space areas easily accessible through features such as gradual grade transition, depressed curbs at street corners and convenient access to extra-wide parking spaces and ramps (see <i>Official Plan policy 4.3.10</i>) | <input checked="" type="checkbox"/> |
| REQUIRED | 1.2.5 Include adequately spaced inter-block/street cycling and pedestrian connections to facilitate travel by active transportation. Provide links to the existing or planned network of public sidewalks, multi-use pathways and on-road cycle routes. Where public sidewalks and multi-use pathways intersect with roads, consider providing traffic control devices to give priority to cyclists and pedestrians (see <i>Official Plan policy 4.3.11</i>) | <input checked="" type="checkbox"/> |
| BASIC | 1.2.6 Provide safe, direct and attractive walking routes from building entrances to nearby transit stops | <input checked="" type="checkbox"/> |
| BASIC | 1.2.7 Ensure that walking routes to transit stops are secure, visible, lighted, shaded and wind-protected wherever possible | <input checked="" type="checkbox"/> |
| BASIC | 1.2.8 Design roads used for access or circulation by cyclists using a target operating speed of no more than 30 km/h, or provide a separated cycling facility | <input checked="" type="checkbox"/> |
| 1.3 Amenities for walking & cycling | | |
| BASIC | 1.3.1 Provide lighting, landscaping and benches along walking and cycling routes between building entrances and streets, sidewalks and trails | <input checked="" type="checkbox"/> |
| BASIC | 1.3.2 Provide wayfinding signage for site access (where required, e.g. when multiple buildings or entrances exist) and egress (where warranted, such as when directions to reach transit stops/stations, trails or other common destinations are not obvious) | <input checked="" type="checkbox"/> |

| TDM-supportive design & infrastructure measures: <i>Residential developments</i> | | Check if completed & add descriptions, explanations or plan/drawing references |
|---|--|--|
| 2. WALKING & CYCLING: END-OF-TRIP FACILITIES | | |
| 2.1 Bicycle parking | | |
| REQUIRED | 2.1.1 Provide bicycle parking in highly visible and lighted areas, sheltered from the weather wherever possible (see <i>Official Plan policy 4.3.6</i>) | <input checked="" type="checkbox"/> |
| REQUIRED | 2.1.2 Provide the number of bicycle parking spaces specified for various land uses in different parts of Ottawa; provide convenient access to main entrances or well-used areas (see <i>Zoning By-law Section 111</i>) | <input checked="" type="checkbox"/> |
| REQUIRED | 2.1.3 Ensure that bicycle parking spaces and access aisles meet minimum dimensions; that no more than 50% of spaces are vertical spaces; and that parking racks are securely anchored (see <i>Zoning By-law Section 111</i>) | <input checked="" type="checkbox"/> |
| BASIC | 2.1.4 Provide bicycle parking spaces equivalent to the expected number of resident-owned bicycles, plus the expected peak number of visitor cyclists | <input checked="" type="checkbox"/> |
| 2.2 Secure bicycle parking | | |
| REQUIRED | 2.2.1 Where more than 50 bicycle parking spaces are provided for a single residential building, locate at least 25% of spaces within a building/structure, a secure area (e.g. supervised parking lot or enclosure) or bicycle lockers (see <i>Zoning By-law Section 111</i>) | <input checked="" type="checkbox"/> |
| BETTER | 2.2.2 Provide secure bicycle parking spaces equivalent to at least the number of units at condominiums or multi-family residential developments | <input checked="" type="checkbox"/> |
| 2.3 Bicycle repair station | | |
| BETTER | 2.3.1 Provide a permanent bike repair station, with commonly used tools and an air pump, adjacent to the main bicycle parking area (or secure bicycle parking area, if provided) | <input checked="" type="checkbox"/> |
| 3. TRANSIT | | |
| 3.1 Customer amenities | | |
| BASIC | 3.1.1 Provide shelters, lighting and benches at any on-site transit stops | <input type="checkbox"/> N/A |
| BASIC | 3.1.2 Where the site abuts an off-site transit stop and insufficient space exists for a transit shelter in the public right-of-way, protect land for a shelter and/or install a shelter | <input type="checkbox"/> N/A |
| BETTER | 3.1.3 Provide a secure and comfortable interior waiting area by integrating any on-site transit stops into the building | <input type="checkbox"/> N/A |

| TDM-supportive design & infrastructure measures: <i>Residential developments</i> | | Check if completed & add descriptions, explanations or plan/drawing references |
|---|--|--|
| 4. RIDESHARING | | |
| 4.1 Pick-up & drop-off facilities | | |
| BASIC | 4.1.1 Provide a designated area for carpool drivers (plus taxis and ride-hailing services) to drop off or pick up passengers without using fire lanes or other no-stopping zones | <input type="checkbox"/> UNDER CONSIDERATION |
| 5. CARSHARING & BIKESHARING | | |
| 5.1 Carshare parking spaces | | |
| BETTER | 5.1.1 Provide up to three carshare parking spaces in an R3, R4 or R5 Zone for specified residential uses (see <i>Zoning By-law Section 94</i>) | <input type="checkbox"/> N/A |
| 5.2 Bikeshare station location | | |
| BETTER | 5.2.1 Provide a designated bikeshare station area near a major building entrance, preferably lighted and sheltered with a direct walkway connection | <input type="checkbox"/> UNDER CONSIDERATION |
| 6. PARKING | | |
| 6.1 Number of parking spaces | | |
| REQUIRED | 6.1.1 Do not provide more parking than permitted by zoning, nor less than required by zoning, unless a variance is being applied for | <input checked="" type="checkbox"/> |
| BASIC | 6.1.2 Provide parking for long-term and short-term users that is consistent with mode share targets, considering the potential for visitors to use off-site public parking | <input checked="" type="checkbox"/> |
| BASIC | 6.1.3 Where a site features more than one use, provide shared parking and reduce the cumulative number of parking spaces accordingly (see <i>Zoning By-law Section 104</i>) | <input checked="" type="checkbox"/> |
| BETTER | 6.1.4 Reduce the minimum number of parking spaces required by zoning by one space for each 13 square metres of gross floor area provided as shower rooms, change rooms, locker rooms and other facilities for cyclists in conjunction with bicycle parking (see <i>Zoning By-law Section 111</i>) | <input type="checkbox"/> UNDER CONSIDERATION |
| 6.2 Separate long-term & short-term parking areas | | |
| BETTER | 6.2.1 Provide separate areas for short-term and long-term parking (using signage or physical barriers) to permit access controls and simplify enforcement (i.e. to discourage residents from parking in visitor spaces, and vice versa) | <input checked="" type="checkbox"/> |

TDM Measures Checklist:
Residential Developments (multi-family, condominium or subdivision)

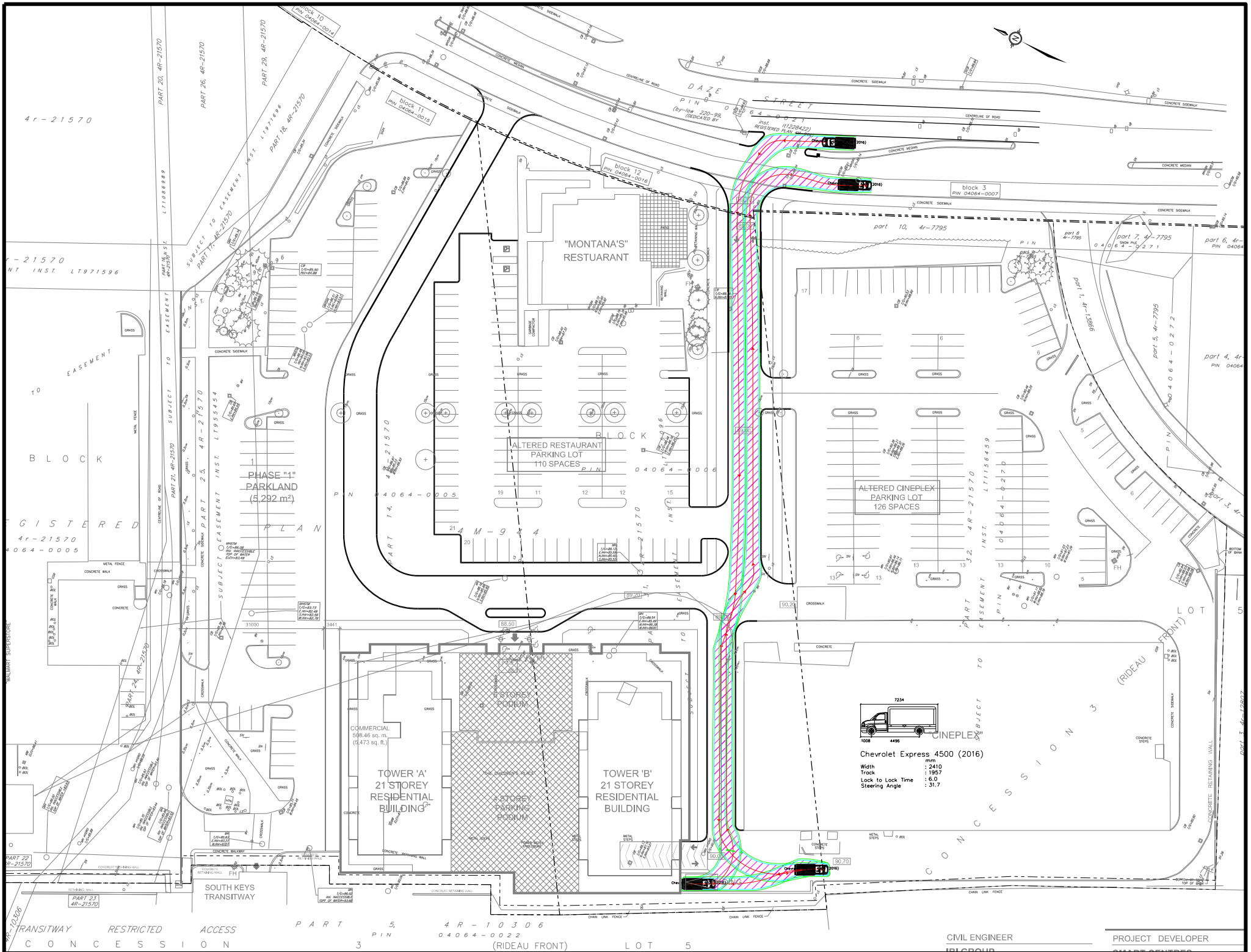
| Legend | |
|---------------|--|
| BASIC | The measure is generally feasible and effective, and in most cases would benefit the development and its users |
| BETTER | The measure could maximize support for users of sustainable modes, and optimize development performance |
| ★ | The measure is one of the most dependably effective tools to encourage the use of sustainable modes |

| TDM measures: <i>Residential developments</i> | | Check if proposed & add descriptions |
|---|---|---|
| 1. TDM PROGRAM MANAGEMENT | | |
| 1.1 Program coordinator | | |
| BASIC ★ | 1.1.1 Designate an internal coordinator, or contract with an external coordinator | <input checked="" type="checkbox"/> |
| 1.2 Travel surveys | | |
| BETTER | 1.2.1 Conduct periodic surveys to identify travel-related behaviours, attitudes, challenges and solutions, and to track progress | <input type="checkbox"/> under consideration |
| 2. WALKING AND CYCLING | | |
| 2.1 Information on walking/cycling routes & destinations | | |
| BASIC | 2.1.1 Display local area maps with walking/cycling access routes and key destinations at major entrances (<i>multi-family, condominium</i>) | <input checked="" type="checkbox"/> |
| 2.2 Bicycle skills training | | |
| BETTER | 2.2.1 Offer on-site cycling courses for residents, or subsidize off-site courses | <input type="checkbox"/> |

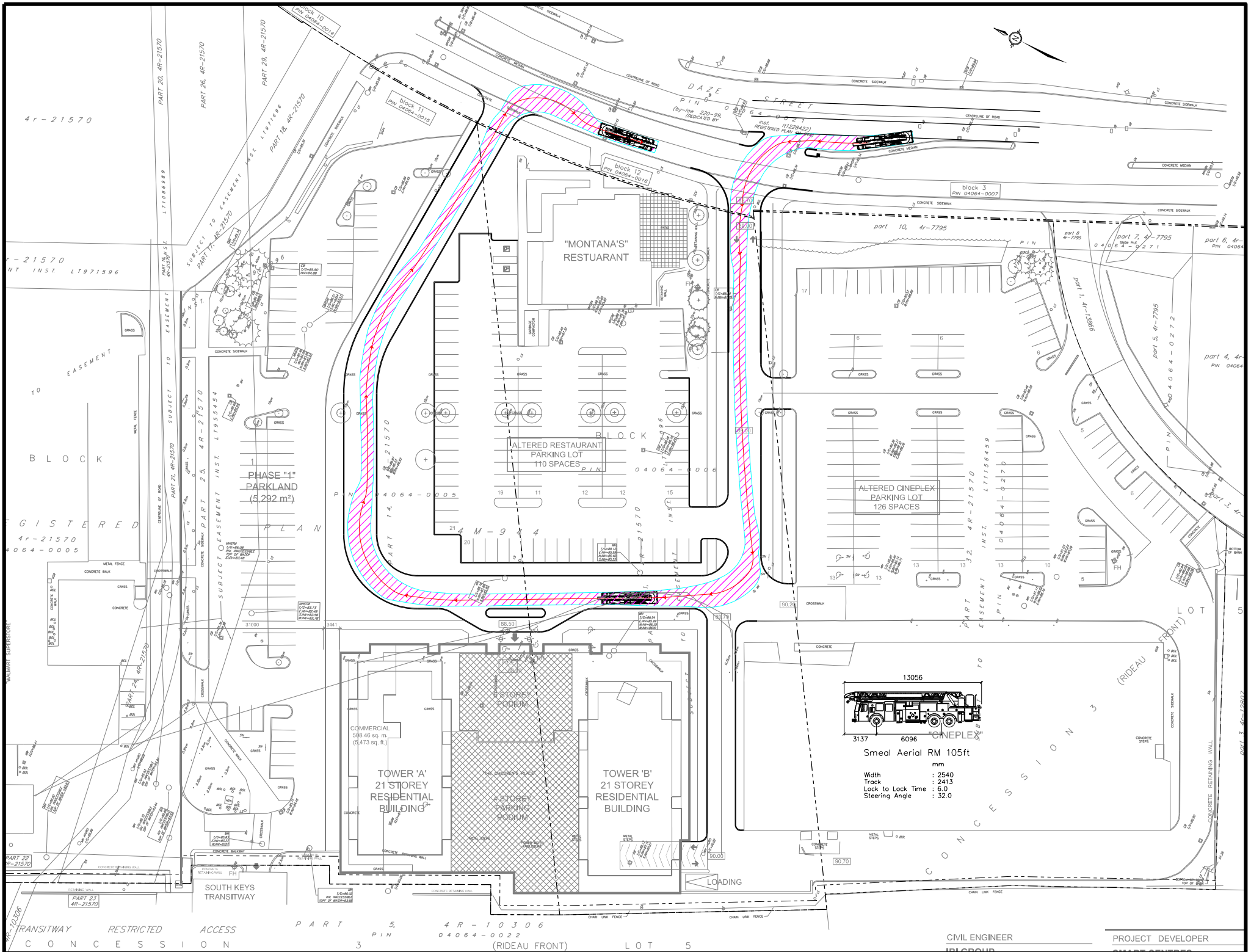
| TDM measures: Residential developments | | Check if proposed & add descriptions |
|---|--|--|
| 3. TRANSIT | | |
| 3.1 Transit information | | |
| BASIC | 3.1.1 Display relevant transit schedules and route maps at entrances (<i>multi-family, condominium</i>) | <input checked="" type="checkbox"/> |
| BETTER | 3.1.2 Provide real-time arrival information display at entrances (<i>multi-family, condominium</i>) | <input type="checkbox"/> under consideration |
| 3.2 Transit fare incentives | | |
| BASIC ★ | 3.2.1 Offer PRESTO cards preloaded with one monthly transit pass on residence purchase/move-in, to encourage residents to use transit | <input checked="" type="checkbox"/> |
| BETTER | 3.2.2 Offer at least one year of free monthly transit passes on residence purchase/move-in | <input type="checkbox"/> under consideration |
| 3.3 Enhanced public transit service | | |
| BETTER ★ | 3.3.1 Contract with OC Transpo to provide early transit services until regular services are warranted by occupancy levels (<i>subdivision</i>) | <input type="checkbox"/> not applicable |
| 3.4 Private transit service | | |
| BETTER | 3.4.1 Provide shuttle service for seniors homes or lifestyle communities (e.g. scheduled mall or supermarket runs) | <input type="checkbox"/> not applicable |
| 4. CARSHARING & BIKESHARING | | |
| 4.1 Bikeshare stations & memberships | | |
| BETTER | 4.1.1 Contract with provider to install on-site bikeshare station (<i>multi-family</i>) | <input type="checkbox"/> |
| BETTER | 4.1.2 Provide residents with bikeshare memberships, either free or subsidized (<i>multi-family</i>) | <input type="checkbox"/> |
| 4.2 Carshare vehicles & memberships | | |
| BETTER | 4.2.1 Contract with provider to install on-site carshare vehicles and promote their use by residents | <input type="checkbox"/> |
| BETTER | 4.2.2 Provide residents with carshare memberships, either free or subsidized | <input type="checkbox"/> |
| 5. PARKING | | |
| 5.1 Priced parking | | |
| BASIC ★ | 5.1.1 Unbundle parking cost from purchase price (<i>condominium</i>) | <input type="checkbox"/> not applicable |
| BASIC ★ | 5.1.2 Unbundle parking cost from monthly rent (<i>multi-family</i>) | <input checked="" type="checkbox"/> |

| TDM measures: <i>Residential developments</i> | | Check if proposed & add descriptions |
|---|---|--|
| 6. TDM MARKETING & COMMUNICATIONS | | |
| 6.1 Multimodal travel information | | |
| BASIC ★ | 6.1.1 Provide a multimodal travel option information package to new residents | <input checked="" type="checkbox"/> |
| 6.2 Personalized trip planning | | |
| BETTER ★ | 6.2.1 Offer personalized trip planning to new residents | <input type="checkbox"/> under consideration |

Appendix H – Swept Path Analysis



7234
1008 4496
CINEPLEX
Chevrolet Express 4500 (2016)
Width: 2410 mm
Track: 1957 mm
Lock to Lock Time: 6.0
Steering Angle: 31.7



4r-21570

4r-21570
NT INST. LT971596

BLOCK
REGISTERED
4r-21570
04064-0005

TRANSITWAY RESTRICTED ACCESS
CONCESSION

PART 5, 4R-10306
PIN 04064-0022
(RIDEAU FRONT) LOT 5

"MONTANA'S"
RESTAURANT

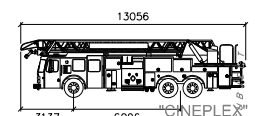
ALTERED RESTAURANT
PARKING LOT
110 SPACES

ALTERED CINEPLEX
PARKING LOT
126 SPACES

COMMERCIAL
598.46 sq. m.
(8,473 sq. ft.)

TOWER 'A'
21 STOREY
RESIDENTIAL
BUILDING

TOWER 'B'
21 STOREY
RESIDENTIAL
BUILDING



13056
3137 6096 CINEPLEX
Smeal Aerial RM 105ft
mm
Width : 2540
Track : 2413
Lock to Lock Time : 6.0
Steering Angle : 32.0

CIVIL ENGINEER
IRI GROUP

PROJECT DEVELOPER
SMART CENTRES

Appendix I – MMLOS Analysis

Multi-Modal Level of Service - Intersections Form

| | | | |
|------------|----------------------------|---------|-------------------|
| Consultant | IBI Group | Project | South Keys 134569 |
| Scenario | Existing/Future Conditions | Date | |
| Comments | | | |

To add intersections
Select columns LMNO, right-click and Copy;
Then select column P, right-click and Insert Copied Cells

To add intersections
Select columns LMNO, right-click and Copy;
Then select column P, right-click and Insert Copied Cells

To add intersections
Select columns LMNO, right-click and Copy;
Then select column P, right-click and Insert Copied Cells

| INTERSECTIONS | | Bank St & Dazé St | | | | Bank St & Hunt Club Rd | | | | Dazé St & South Keys SC | | | | Hunt Club Rd & Dazé St | | | | Airport Parkway & Hunt Club Rd | | | |
|------------------------------|---|-----------------------------------|------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|--------------------------------|-----------------------------------|-----------------------------------|
| Crossing Side | | NORTH | SOUTH | EAST | WEST | NORTH | SOUTH | EAST | WEST | NORTH | SOUTH | EAST | WEST | NORTH | SOUTH | EAST | WEST | NORTH | SOUTH | EAST | WEST |
| Pedestrian | Lanes | 10+ | 8 | 8 | 6 | 10+ | 10+ | 10+ | 10+ | 6 | 7 | 5 | 6 | 7 | 10+ | 10+ | 10+ | 6 | 5 | 7 | 7 |
| | Median | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | No Median - 2.4 m | Median > 2.4 m | Median > 2.4 m | No Median - 2.4 m | No Median - 2.4 m |
| | Conflicting Left Turns | Protected/ Permissive | Protected/ Permissive | Permissive | Permissive | Protected | Protected | Protected | Protected | Protected/ Permissive | Protected/ Permissive | Permissive | Permissive | Protected | Protected | Protected | Protected | Protected | Protected | Protected | Protected |
| | Conflicting Right Turns | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control | Permissive or yield control |
| | Right Turns on Red (RTOR) ? | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed | RTOR allowed |
| | Ped Signal Leading Interval? | Yes | Yes | No | No | No | No | No | No | No | No | No | No | No | No | No | No | Yes | Yes | No | No |
| | Right Turn Channel | Conventional with Receiving Lane | No Channel | Conv'tl without Receiving Lane | Conventional with Receiving Lane | Conventional with Receiving Lane | Conventional with Receiving Lane | Conventional with Receiving Lane | Conventional with Receiving Lane | No Channel | No Channel | No Channel | No Channel | Smart Channel | Conv'tl without Receiving Lane | Smart Channel | Conv'tl without Receiving Lane | Conventional with Receiving Lane | Conv'tl without Receiving Lane | Conventional with Receiving Lane | Conv'tl without Receiving Lane |
| | Corner Radius | 10-15m | 5-10m | 10-15m | 10-15m | 15-25m | >25m | >25m | >25m | 5-10m | 5-10m | 5-10m | 5-10m | 5-10m | 5-10m | 5-10m | 5-10m | 15-25m | 15-25m | 15-25m | 15-25m |
| | Crosswalk Type | Zebra stripe hi-vis markings | Zebra stripe hi-vis markings | Zebra stripe hi-vis markings | Zebra stripe hi-vis markings | Std transverse markings | Std transverse markings | Std transverse markings | Std transverse markings | Std transverse markings | Std transverse markings | Std transverse markings | Std transverse markings | Std transverse markings | Std transverse markings | Std transverse markings | Std transverse markings | Zebra stripe hi-vis markings | Zebra stripe hi-vis markings | Zebra stripe hi-vis markings | Zebra stripe hi-vis markings |
| | PETSI Score | -39 | -6 | -5 | 24 | -38 | -39 | -39 | -39 | 21 | 5 | 38 | 21 | 19 | -32 | -30 | -32 | 37 | 55 | 14 | 17 |
| Ped. Exposure to Traffic LoS | #N/A | F | F | F | #N/A | #N/A | #N/A | #N/A | F | F | E | F | F | #N/A | #N/A | #N/A | E | D | F | F | |
| Cycle Length | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 75 | 75 | 75 | 75 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | |
| Effective Walk Time | 33.7 | 33.7 | 9.9 | 9.9 | 10.3 | 18.3 | 18.5 | 9.5 | 6.9 | 6.9 | 17.1 | 17.1 | 27.8 | 27.8 | 7 | 7 | 33.7 | 33.7 | 7.2 | 7.2 | |
| Average Pedestrian Delay | 31 | 31 | 51 | 51 | 50 | 43 | 43 | 51 | 31 | 31 | 22 | 22 | 40 | 40 | 58 | 58 | 36 | 36 | 58 | 58 | |
| Pedestrian Delay LoS | D | D | E | E | E | E | E | E | D | D | C | C | E | E | E | E | D | D | E | E | |
| Level of Service | #N/A | F | F | F | #N/A | #N/A | #N/A | #N/A | F | F | E | F | F | #N/A | #N/A | #N/A | E | D | F | F | |
| Approach From | NORTH | SOUTH | EAST | WEST | NORTH | SOUTH | EAST | WEST | NORTH | SOUTH | EAST | WEST | NORTH | SOUTH | EAST | WEST | NORTH | SOUTH | EAST | WEST | |
| Bicycle | Bicycle Lane Arrangement on Approach | Pocket Bike Lane | Mixed Traffic | Pocket Bike Lane | Pocket Bike Lane | Curb Bike Lane, Cycletrack or MUP | Mixed Traffic | Curb Bike Lane, Cycletrack or MUP | Curb Bike Lane, Cycletrack or MUP | Mixed Traffic | Mixed Traffic | Mixed Traffic | Mixed Traffic | Mixed Traffic | Pocket Bike Lane | Curb Bike Lane, Cycletrack or MUP | Curb Bike Lane, Cycletrack or MUP | Mixed Traffic | Mixed Traffic | Curb Bike Lane, Cycletrack or MUP | Curb Bike Lane, Cycletrack or MUP |
| | IF Dedicated Right Turn Lane, THEN Right Turn Configuration, ELSE <blank> | > 50 m Introduced right turn lane | | ≤ 50 m Introduced right turn lane | > 50 m Introduced right turn lane | Not Applicable | ≤ 50 m | Not Applicable | Not Applicable | | | | | > 50 m | ≤ 50 m Introduced right turn lane | ≤ 50 m Introduced right turn lane | Not Applicable | > 50 m | ≤ 50 m | Not Applicable | Not Applicable |
| | Dedicated Right Turning Speed | ≤ 25 km/h | Not Applicable | ≤ 25 km/h | ≤ 25 km/h | ≤ 25 km/h | ≤ 25 km/h | >25 to 30 km/h | >25 to 30 km/h | | | | | ≤ 25 km/h | ≤ 25 km/h | ≤ 25 km/h | >25 to 30 km/h | ≤ 25 km/h | ≤ 25 km/h | Not Applicable | >25 to 30 km/h |
| | Cyclist Through Movement | D | | B | D | Not Applicable | D | Not Applicable | Not Applicable | | | | | F | B | Not Applicable | Not Applicable | F | D | Not Applicable | Not Applicable |
| | Separated or Mixed Traffic | Separated | Mixed Traffic | Separated | Separated | Separated | Mixed Traffic | Separated | Separated | Mixed Traffic | Mixed Traffic | Mixed Traffic | Mixed Traffic | Mixed Traffic | Separated | Separated | Separated | Mixed Traffic | Mixed Traffic | Separated | Separated |
| | Left Turn Approach | ≥ 2 lanes crossed | ≥ 2 lanes crossed | ≥ 2 lanes crossed | ≥ 2 lanes crossed | ≥ 2 lanes crossed | No lane crossed | ≥ 2 lanes crossed | ≥ 2 lanes crossed | ≥ 2 lanes crossed | ≥ 2 lanes crossed | No lane crossed | One lane crossed | ≥ 2 lanes crossed | 1 lane crossed | ≥ 2 lanes crossed | 1 lane crossed | ≥ 2 lanes crossed | No lane crossed | 1 lane crossed | 1 lane crossed |
| Operating Speed | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≤ 40 km/h | ≤ 40 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | ≥ 60 km/h | |
| Left Turning Cyclist | F | F | F | F | F | C | F | F | F | F | B | B | F | E | F | E | F | C | E | E | |
| Level of Service | F | F | F | F | F | D | F | F | F | F | B | B | F | E | F | E | F | D | E | E | |
| Transit | Average Signal Delay | ≤ 30 sec | ≤ 20 sec | | | | ≤ 20 sec | > 40 sec | > 40 sec | | | | | ≤ 10 sec | | > 40 sec | > 40 sec | ≤ 10 sec | | > 40 sec | ≤ 40 sec |
| | Level of Service | D | C | - | - | | C | F | F | - | - | - | - | B | - | F | F | B | - | F | E |
| Truck | Effective Corner Radius | 10 - 15 m | | | < 10 m | > 15 m | > 15 m | > 15 m | > 15 m | < 10 m | < 10 m | < 10 m | < 10 m | < 10 m | < 10 m | < 10 m | < 10 m | > 15 m | 10 - 15 m | > 15 m | > 15 m |
| | Number of Receiving Lanes on Departure from Intersection | 1 | 0 | 0 | 2+ | 2+ | 2+ | 2+ | 2+ | 1 | 1 | 2+ | 2+ | 2+ | 2+ | 2+ | 1 | 2+ | 2+ | 1 | 1 |
| Level of Service | E | - | - | D | A | A | A | A | F | F | D | D | D | D | D | F | A | B | C | C | |
| Auto | Volume to Capacity Ratio | | | | | | | | | | | | | | | | | | | | |
| | Level of Service | | | | | | | | | | | | | | | | | | | | |

Multi-Modal Level of Service - Segments Form

| | |
|------------|----------------------------------|
| Consultant | IBI Group |
| Scenario | Existing/Future Conditons |
| Comments | |

| | |
|--------------|---------------------------|
| Project Date | South Keys Phase 1 |
| | |
| | |

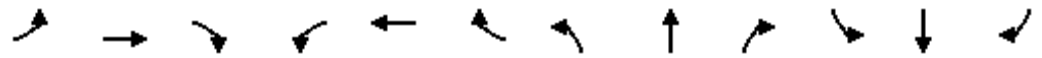
| SEGMENTS | | Dazé St | Section 1 | Section 2 | Section 3 | Section 4 | Section 5 | Section 6 | Section 7 | Section 8 | Section 9 |
|---|---|---------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Pedestrian | Sidewalk Width | E | ≥ 2 m | | | | | | | | |
| | Boulevard Width | | < 0.5 | | | | | | | | |
| | Avg Daily Curb Lane Traffic Volume | | > 3000 | | | | | | | | |
| | Operating Speed | | > 50 to 60 km/h | | | | | | | | |
| | On-Street Parking | | no | | | | | | | | |
| | Exposure to Traffic PLoS | | E | - | - | - | - | - | - | - | - |
| | Effective Sidewalk Width | | 2.5 m | | | | | | | | |
| Pedestrian Volume | 250 ped/hr | | | | | | | | | | |
| Crowding PLoS | B | - | - | - | - | - | - | - | - | | |
| Level of Service | E | - | - | - | - | - | - | - | - | | |
| Bicycle | Type of Cycling Facility | E | Mixed Traffic | | | | | | | | |
| | Number of Travel Lanes | | 4-5 lanes total | | | | | | | | |
| | Operating Speed | | ≥ 50 to 60 km/h | | | | | | | | |
| | # of Lanes & Operating Speed LoS | | E | - | - | - | - | - | - | - | |
| | Bike Lane (+ Parking Lane) Width | | | | | | | | | | |
| | Bike Lane Width LoS | | - | - | - | - | - | - | - | - | |
| | Bike Lane Blockages | | | | | | | | | | |
| | Blockage LoS | | - | - | - | - | - | - | - | - | |
| | Median Refuge Width (no median = < 1.8 m) | | < 1.8 m refuge | | | | | | | | |
| | No. of Lanes at Unsignalized Crossing | | 4-5 lanes | | | | | | | | |
| Sidestreet Operating Speed | ≤ 40 km/h | | | | | | | | | | |
| Unsignalized Crossing - Lowest LoS | B | - | - | - | - | - | - | - | | | |
| Level of Service | E | - | - | - | - | - | - | - | | | |
| Transit | Facility Type | D | Mixed Traffic | | | | | | | | |
| | Friction or Ratio Transit:Posted Speed | | Vt/Vp ≥ 0.8 | | | | | | | | |
| Level of Service | D | - | - | - | - | - | - | - | | | |
| Truck | Truck Lane Width | A | ≤ 3.5 m | | | | | | | | |
| | Travel Lanes per Direction | | > 1 | | | | | | | | |
| Level of Service | A | - | - | - | - | - | - | - | | | |

Appendix J – Intersection Capacity Analysis

Existing (2021) Traffic

1: Airport Parkway & Hunt Club Road

Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 335 | 1045 | 7 | 64 | 917 | 580 | 15 | 0 | 81 | 247 | 0 | 140 |
| Future Volume (vph) | 335 | 1045 | 7 | 64 | 917 | 580 | 15 | 0 | 81 | 247 | 0 | 140 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 0.99 | | | | | | | |
| Fr _t | | 0.999 | | | 0.942 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1712 | 3260 | 0 | 1544 | 3018 | 0 | 1616 | 0 | 1381 | 3257 | 0 | 1488 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1711 | 3260 | 0 | 1543 | 3018 | 0 | 1616 | 0 | 1381 | 3257 | 0 | 1488 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 1 | | | 115 | | | | 164 | | | 156 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | | 80 |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | | 189.5 |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | | 8.5 |
| Confl. Peds. (#/hr) | 7 | | 2 | 2 | | 7 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | 1 | | | | | | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 1% | 6% | 0% | 12% | 11% | 1% | 7% | 0% | 12% | 3% | 0% | 4% |
| Adj. Flow (vph) | 372 | 1161 | 8 | 71 | 1019 | 644 | 17 | 0 | 90 | 274 | 0 | 156 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 372 | 1169 | 0 | 71 | 1663 | 0 | 17 | 0 | 90 | 274 | 0 | 156 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 12.4 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 32.0 | 50.0 | | 32.0 | 50.0 | | 18.0 | | 18.0 | 48.0 | | 48.0 |
| Total Split (%) | 24.6% | 38.5% | | 24.6% | 38.5% | | 13.8% | | 13.8% | 36.9% | | 36.9% |
| Maximum Green (s) | 24.6 | 42.7 | | 24.6 | 42.7 | | 10.2 | | 10.2 | 40.2 | | 40.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 41.4 | 82.6 | | 11.3 | 49.8 | | 16.3 | | 16.3 | 16.3 | | 16.3 |
| Actuated g/C Ratio | 0.32 | 0.64 | | 0.09 | 0.38 | | 0.13 | | 0.13 | 0.13 | | 0.13 |

1: Airport Parkway & Hunt Club Road

Existing Conditions

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|-------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.68 | 0.56 | | 0.53 | 1.36 | | 0.08 | | 0.28 | 0.67 | | 0.48 |
| Control Delay | 46.7 | 16.7 | | 45.5 | 194.7 | | 49.3 | | 2.2 | 62.2 | | 12.6 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 46.7 | 16.7 | | 45.5 | 194.7 | | 49.3 | | 2.2 | 62.2 | | 12.6 |
| LOS | D | B | | D | F | | D | | A | E | | B |
| Approach Delay | | 23.9 | | | 188.6 | | | 9.7 | | | | 44.2 |
| Approach LOS | | C | | | F | | | A | | | | D |
| Queue Length 50th (m) | 85.3 | 89.2 | | 17.4 | ~271.7 | | 3.9 | | 0.0 | 35.1 | | 0.0 |
| Queue Length 95th (m) | 118.6 | 131.7 | | m21.1 | m#284.9 | | 10.8 | | 0.0 | 47.5 | | 18.9 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 544 | 2072 | | 292 | 1226 | | 203 | | 316 | 1007 | | 567 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.68 | 0.56 | | 0.24 | 1.36 | | 0.08 | | 0.28 | 0.27 | | 0.28 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 150

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.36

Intersection Signal Delay: 100.7

Intersection LOS: F

Intersection Capacity Utilization 93.3%

ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road



1: Airport Parkway & Hunt Club Road

Existing Conditions

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road Existing Conditions



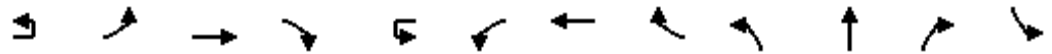
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↔↔↔ | | | ↔ | ↔↔ | ↔ | ↔↔ | ↔ | ↔ | ↔ |
| Traffic Volume (vph) | 13 | 160 | 1047 | 98 | 2 | 13 | 1134 | 61 | 200 | 108 | 67 | 30 |
| Future Volume (vph) | 13 | 160 | 1047 | 98 | 2 | 13 | 1134 | 61 | 200 | 108 | 67 | 30 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 0.99 | | 0.96 | 0.94 | | 0.99 | 1.00 |
| Fr _t | | | 0.987 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3293 | 4557 | 0 | 0 | 1439 | 3232 | 1517 | 3106 | 1802 | 1459 | 1679 |
| Fl _t Permitted | | 0.133 | | | | 0.851 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 458 | 4557 | 0 | 0 | 1281 | 3232 | 1462 | 2924 | 1802 | 1439 | 1675 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 13 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 15 | | 18 | | 18 | | 15 | 32 | | 2 | 2 |
| Confl. Bikes (#/hr) | | | | 1 | | | | 2 | | | | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 0% | 2% | 7% | 7% | 0% | 23% | 7% | 2% | 8% | 1% | 6% | 3% |
| Adj. Flow (vph) | 14 | 178 | 1163 | 109 | 2 | 14 | 1260 | 68 | 222 | 120 | 74 | 33 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 192 | 1272 | 0 | 0 | 16 | 1260 | 68 | 222 | 120 | 74 | 33 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 15.0 | 15.0 | 52.0 | | 15.0 | 15.0 | 52.0 | 52.0 | 22.0 | 41.0 | 41.0 | 22.0 |
| Total Split (%) | 11.5% | 11.5% | 40.0% | | 11.5% | 11.5% | 40.0% | 40.0% | 16.9% | 31.5% | 31.5% | 16.9% |
| Maximum Green (s) | 8.5 | 8.5 | 45.8 | | 8.5 | 8.5 | 45.8 | 45.8 | 15.5 | 34.0 | 34.0 | 15.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Min | | None | None | C-Min | C-Min | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 30.1 | 77.4 | | | 8.7 | 48.1 | 48.1 | 13.8 | 22.6 | 22.6 | 8.1 |
| Actuated g/C Ratio | | 0.23 | 0.60 | | | 0.07 | 0.37 | 0.37 | 0.11 | 0.17 | 0.17 | 0.06 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road Existing Conditions



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 30 | 152 |
| Future Volume (vph) | 30 | 152 |
| Ideal Flow (vphpl) | 1800 | 1800 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.95 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1820 | 1517 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1820 | 1444 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 32 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 0.90 | 0.90 |
| Heavy Vehicles (%) | 0% | 2% |
| Adj. Flow (vph) | 33 | 169 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 33 | 169 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 11.9 | 11.9 |
| Actuated g/C Ratio | 0.09 | 0.09 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road Existing Conditions



| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|-------|-------|-----|-----|------|--------|------|------|-------|------|------|
| v/c Ratio | | 1.83 | 0.47 | | | 0.19 | 1.05 | 0.11 | 0.68 | 0.38 | 0.20 | 0.32 |
| Control Delay | | 433.1 | 12.3 | | | 60.6 | 81.2 | 0.3 | 66.5 | 52.9 | 1.3 | 65.6 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 433.1 | 12.3 | | | 60.6 | 81.2 | 0.3 | 66.5 | 52.9 | 1.3 | 65.6 |
| LOS | | F | B | | | E | F | A | E | D | A | E |
| Approach Delay | | | 67.5 | | | | 76.9 | | | 51.0 | | |
| Approach LOS | | | E | | | | E | | | D | | |
| Queue Length 50th (m) | | ~38.3 | 37.3 | | | 4.0 | 167.3 | 0.0 | 28.5 | 29.2 | 0.0 | 8.3 |
| Queue Length 95th (m) | | #65.6 | 57.6 | | | 11.2 | #235.4 | 0.0 | 41.5 | 46.9 | 0.0 | 18.8 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 105 | 2717 | | | 96 | 1195 | 631 | 370 | 471 | 477 | 198 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 1.83 | 0.47 | | | 0.17 | 1.05 | 0.11 | 0.60 | 0.25 | 0.16 | 0.17 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 135

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.83

Intersection Signal Delay: 67.0

Intersection LOS: E

Intersection Capacity Utilization 89.1%

ICU Level of Service E

Analysis Period (min) 15

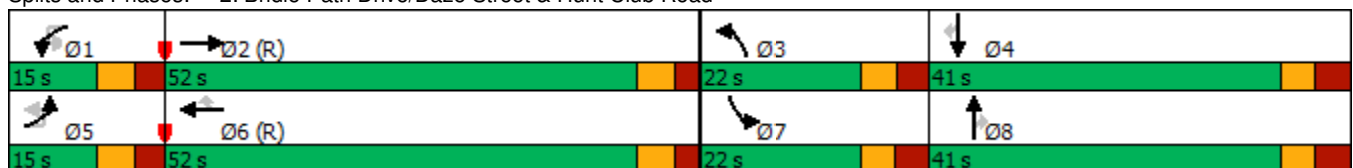
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road


























2: Bridle Path Drive/Dazé Street & Hunt Club Road

Existing Conditions



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.20 | 0.66 |
| Control Delay | 56.2 | 27.0 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 56.2 | 27.0 |
| LOS | E | C |
| Approach Delay | 36.5 | |
| Approach LOS | D | |
| Queue Length 50th (m) | 8.1 | 7.9 |
| Queue Length 95th (m) | 17.6 | 29.8 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 476 | 478 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.07 | 0.35 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road Existing Conditions

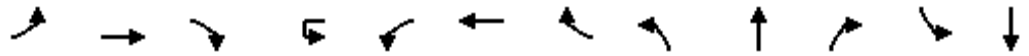
| |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
| Lane Configurations |  |  |  | |  |  |  |  |  |  |  |  |
| Traffic Volume (vph) | 120 | 709 | 260 | 1 | 31 | 946 | 190 | 283 | 933 | 22 | 83 | 316 |
| Future Volume (vph) | 120 | 709 | 260 | 1 | 31 | 946 | 190 | 283 | 933 | 22 | 83 | 316 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Storage Lanes | 2 | | 1 | | 1 | | 1 | 2 | | 1 | 2 | |
| Taper Length (m) | 2.5 | | | | 2.5 | | | 2.5 | | | | 2.5 |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.97 | 0.95 |
| Ped Bike Factor | 0.99 | | 0.98 | | 1.00 | | 0.97 | 0.97 | | 0.96 | 0.99 | |
| Frnt | | | 0.850 | | | | 0.850 | | | 0.850 | | |
| Flt Protected | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 | |
| Satd. Flow (prot) | 3022 | 3202 | 1488 | 0 | 1634 | 3232 | 1532 | 3195 | 3357 | 1547 | 3288 | 3262 |
| Flt Permitted | 0.950 | | | | 0.769 | | | 0.950 | | | 0.950 | |
| Satd. Flow (perm) | 3006 | 3202 | 1452 | 0 | 1318 | 3232 | 1489 | 3089 | 3357 | 1487 | 3255 | 3262 |
| Right Turn on Red | | | Yes | | | | Yes | | | Yes | | |
| Satd. Flow (RTOR) | | | 289 | | | | 279 | | | 216 | | |
| Link Speed (k/h) | | 60 | | | | 60 | | | 60 | | | 60 |
| Link Distance (m) | | 152.6 | | | | 161.6 | | | 179.7 | | | 141.8 |
| Travel Time (s) | | 9.2 | | | | 9.7 | | | 10.8 | | | 8.5 |
| Confl. Peds. (#/hr) | 10 | | 9 | | 9 | | 10 | 25 | | 20 | 20 | |
| Confl. Bikes (#/hr) | | | | | | | 3 | | | 3 | | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 11% | 8% | 4% | 0% | 6% | 7% | 1% | 5% | 3% | 0% | 2% | 6% |
| Adj. Flow (vph) | 133 | 788 | 289 | 1 | 34 | 1051 | 211 | 314 | 1037 | 24 | 92 | 351 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 133 | 788 | 289 | 0 | 35 | 1051 | 211 | 314 | 1037 | 24 | 92 | 351 |
| Turn Type | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | Prot | NA |
| Protected Phases | 7 | 4 | | | 3 | 8 | | 5 | 2 | | 1 | 6 |
| Permitted Phases | | | 4 | 3 | | | 8 | | | 2 | | |
| Detector Phase | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 |
| Minimum Split (s) | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 | 34.5 |
| Total Split (s) | 21.0 | 45.0 | 45.0 | 13.0 | 13.0 | 37.0 | 37.0 | 25.0 | 48.0 | 48.0 | 14.0 | 37.0 |
| Total Split (%) | 17.5% | 37.5% | 37.5% | 10.8% | 10.8% | 30.8% | 30.8% | 20.8% | 40.0% | 40.0% | 11.7% | 30.8% |
| Maximum Green (s) | 14.5 | 38.3 | 38.3 | 6.5 | 6.5 | 30.3 | 30.3 | 17.9 | 41.5 | 41.5 | 6.9 | 30.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | 7.1 | 6.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None | C-Max |
| Walk Time (s) | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | | 7.0 |
| Flash Dont Walk (s) | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | 0 |
| Act Effct Green (s) | 10.6 | 40.9 | 40.9 | | 6.4 | 34.2 | 34.2 | 16.1 | 41.6 | 41.6 | 6.8 | 32.3 |
| Actuated g/C Ratio | 0.09 | 0.34 | 0.34 | | 0.05 | 0.28 | 0.28 | 0.13 | 0.35 | 0.35 | 0.06 | 0.27 |

3: Bank Street & Hunt Club Road

Existing Conditions

| | |
|---------------------------|-------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 136 |
| Future Volume (vph) | 136 |
| Ideal Flow (vphpl) | 1800 |
| Storage Length (m) | 120.0 |
| Storage Lanes | 1 |
| Taper Length (m) | |
| Lane Util. Factor | 1.00 |
| Ped Bike Factor | 0.96 |
| Fr _t | 0.850 |
| Fl _t Protected | |
| Satd. Flow (prot) | 1381 |
| Fl _t Permitted | |
| Satd. Flow (perm) | 1321 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | 281 |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 25 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 0.90 |
| Heavy Vehicles (%) | 12% |
| Adj. Flow (vph) | 151 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 151 |
| Turn Type | Perm |
| Protected Phases | |
| Permitted Phases | 6 |
| Detector Phase | 6 |
| Switch Phase | |
| Minimum Initial (s) | 10.0 |
| Minimum Split (s) | 34.5 |
| Total Split (s) | 37.0 |
| Total Split (%) | 30.8% |
| Maximum Green (s) | 30.5 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 2.8 |
| Lost Time Adjust (s) | 0.0 |
| Total Lost Time (s) | 6.5 |
| Lead/Lag | Lag |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | C-Max |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 21.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | 32.3 |
| Actuated g/C Ratio | 0.27 |

3: Bank Street & Hunt Club Road Existing Conditions



| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|------------------------|------|-------|------|-----|-------|--------|-------|------|--------|------|------|-------|
| v/c Ratio | 0.50 | 0.72 | 0.42 | | 0.50 | 1.14 | 0.34 | 0.74 | 0.89 | 0.04 | 0.49 | 0.40 |
| Control Delay | 58.3 | 40.0 | 5.4 | | 79.5 | 116.2 | 2.6 | 60.5 | 48.0 | 0.1 | 67.7 | 29.3 |
| Queue Delay | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 58.3 | 40.0 | 5.4 | | 79.5 | 116.2 | 2.6 | 60.5 | 48.0 | 0.1 | 67.7 | 29.3 |
| LOS | E | D | A | | E | F | A | E | D | A | E | C |
| Approach Delay | | 33.8 | | | | 96.7 | | | 50.0 | | | 28.1 |
| Approach LOS | | C | | | | F | | | D | | | C |
| Queue Length 50th (m) | 15.6 | 87.9 | 0.0 | | 8.2 | ~152.2 | 0.0 | 36.8 | 120.9 | 0.0 | 11.2 | 23.8 |
| Queue Length 95th (m) | 25.0 | 111.4 | 19.0 | | #21.2 | #203.7 | 5.2 | 51.5 | #158.2 | 0.0 | 19.4 | 32.0 |
| Internal Link Dist (m) | | 128.6 | | | | 137.6 | | | 155.7 | | | 117.8 |
| Turn Bay Length (m) | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Base Capacity (vph) | 365 | 1090 | 685 | | 71 | 921 | 623 | 476 | 1163 | 656 | 189 | 879 |
| Starvation Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.36 | 0.72 | 0.42 | | 0.49 | 1.14 | 0.34 | 0.66 | 0.89 | 0.04 | 0.49 | 0.40 |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 65 (54%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 105

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.14

Intersection Signal Delay: 56.3

Intersection LOS: E

Intersection Capacity Utilization 86.0%

ICU Level of Service E

Analysis Period (min) 15

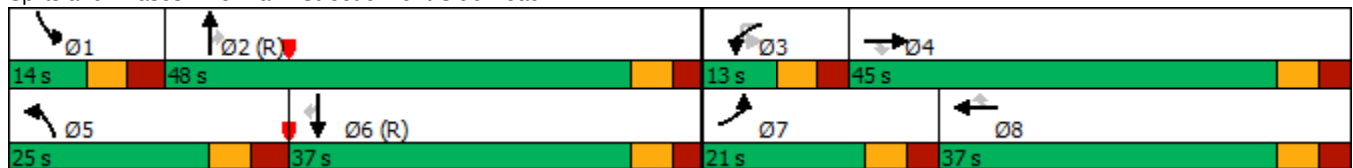
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road

Existing Conditions



| | |
|------------------------|-------|
| Lane Group | SBR |
| v/c Ratio | 0.27 |
| Control Delay | 1.2 |
| Queue Delay | 0.0 |
| Total Delay | 1.2 |
| LOS | A |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | 0.2 |
| Queue Length 95th (m) | 0.0 |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | 120.0 |
| Base Capacity (vph) | 561 |
| Starvation Cap Reductn | 0 |
| Spillback Cap Reductn | 0 |
| Storage Cap Reductn | 0 |
| Reduced v/c Ratio | 0.27 |
| Intersection Summary | |

4: Bank Street & Dazé Street/Cahill Drive Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| Lane Configurations | | ↕ | ↗ | | ↕ | ↗ | ↘ | ↕↗ | | | ↘ | ↕↗ |
| Traffic Volume (vph) | 110 | 0 | 28 | 73 | 0 | 148 | 90 | 927 | 51 | 3 | 17 | 391 |
| Future Volume (vph) | 110 | 0 | 28 | 73 | 0 | 148 | 90 | 927 | 51 | 3 | 17 | 391 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | 45.0 | | 0.0 | | 70.0 | |
| Storage Lanes | 0 | | 1 | 0 | | 1 | 1 | | 0 | | 1 | |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | | 7.6 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 0.97 | 0.97 | | 0.98 | 0.95 | 1.00 | 1.00 | | | | 1.00 |
| Frt | | | 0.850 | | | 0.850 | | 0.992 | | | | |
| Flt Protected | | 0.950 | | | 0.950 | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 0 | 1679 | 1488 | 0 | 1647 | 1502 | 1712 | 3237 | 0 | 0 | 1729 | 3172 |
| Flt Permitted | | 0.704 | | | 0.626 | | 0.454 | | | | 0.263 | |
| Satd. Flow (perm) | 0 | 1202 | 1440 | 0 | 1067 | 1426 | 814 | 3237 | 0 | 0 | 478 | 3172 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | | 105 | | | 151 | | 8 | | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | 60 | | | | 60 |
| Link Distance (m) | | 72.9 | | | 188.5 | | | 169.4 | | | | 264.5 |
| Travel Time (s) | | 5.2 | | | 13.6 | | | 10.2 | | | | 15.9 |
| Confl. Peds. (#/hr) | 19 | | 10 | 10 | | 19 | 6 | | 3 | | | 3 |
| Confl. Bikes (#/hr) | | | | | | 2 | | | 1 | | | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 3% | 0% | 4% | 5% | 0% | 3% | 1% | 6% | 2% | 0% | 0% | 9% |
| Adj. Flow (vph) | 122 | 0 | 31 | 81 | 0 | 164 | 100 | 1030 | 57 | 3 | 19 | 434 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 122 | 31 | 0 | 81 | 164 | 100 | 1087 | 0 | 0 | 22 | 434 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | pm+pt | NA | | Perm | Perm | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 6 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | | 6 | 6 | |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 2 | | 6 | 6 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 10.0 | | 10.0 | 10.0 | 10.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 34.3 | | 34.3 | 34.3 | 34.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 14.0 | 78.0 | | 64.0 | 64.0 | 64.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 11.7% | 65.0% | | 53.3% | 53.3% | 53.3% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 7.7 | 71.7 | | 57.7 | 57.7 | 57.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | 6.3 | 6.3 | | | 6.3 | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | | | Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | C-Max | | C-Max | C-Max | C-Max |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | 7.0 | | 7.0 | 7.0 | 7.0 |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | 11.0 | | 11.0 | 11.0 | 11.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| Act Effct Green (s) | | 17.5 | 17.5 | | 17.5 | 17.5 | 85.1 | 85.1 | | | 71.0 | 71.0 |
| Actuated g/C Ratio | | 0.15 | 0.15 | | 0.15 | 0.15 | 0.71 | 0.71 | | | 0.59 | 0.59 |

4: Bank Street & Dazé Street/Cahill Drive Existing Conditions

| Lane Group | SBR | Ø3 | Ø7 |
|-------------------------|-------|------|------|
| Lane Configurations | | | |
| Traffic Volume (vph) | 117 | | |
| Future Volume (vph) | 117 | | |
| Ideal Flow (vphpl) | 1800 | | |
| Storage Length (m) | 75.0 | | |
| Storage Lanes | 0 | | |
| Taper Length (m) | | | |
| Lane Util. Factor | 1.00 | | |
| Ped Bike Factor | 0.98 | | |
| Frt | 0.850 | | |
| Flt Protected | | | |
| Satd. Flow (prot) | 1419 | | |
| Flt Permitted | | | |
| Satd. Flow (perm) | 1386 | | |
| Right Turn on Red | Yes | | |
| Satd. Flow (RTOR) | 130 | | |
| Link Speed (k/h) | | | |
| Link Distance (m) | | | |
| Travel Time (s) | | | |
| Confl. Peds. (#/hr) | 6 | | |
| Confl. Bikes (#/hr) | | | |
| Peak Hour Factor | 0.90 | | |
| Heavy Vehicles (%) | 9% | | |
| Adj. Flow (vph) | 130 | | |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 130 | | |
| Turn Type | Perm | | |
| Protected Phases | | 3 | 7 |
| Permitted Phases | 6 | | |
| Detector Phase | 6 | | |
| Switch Phase | | | |
| Minimum Initial (s) | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 64.0 | 5.0 | 5.0 |
| Total Split (%) | 53.3% | 4% | 4% |
| Maximum Green (s) | 57.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | | |
| Total Lost Time (s) | 6.3 | | |
| Lead/Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | Max | Max |
| Walk Time (s) | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | | |
| Act Effct Green (s) | 71.0 | | |
| Actuated g/C Ratio | 0.59 | | |

4: Bank Street & Dazé Street/Cahill Drive Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|-----|------|------|-----|-------|------|------|-------|-----|-----|------|-------|
| v/c Ratio | | 0.70 | 0.10 | | 0.52 | 0.49 | 0.16 | 0.47 | | | 0.08 | 0.23 |
| Control Delay | | 67.9 | 0.7 | | 57.8 | 13.4 | 6.4 | 6.6 | | | 14.2 | 13.1 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | | 67.9 | 0.7 | | 57.8 | 13.4 | 6.4 | 6.6 | | | 14.2 | 13.1 |
| LOS | | E | A | | E | B | A | A | | | B | B |
| Approach Delay | | 54.3 | | | 28.1 | | | 6.6 | | | | 10.8 |
| Approach LOS | | D | | | C | | | A | | | | B |
| Queue Length 50th (m) | | 27.7 | 0.0 | | 17.9 | 2.7 | 4.4 | 25.8 | | | 2.1 | 23.9 |
| Queue Length 95th (m) | | 45.0 | 0.0 | | 31.7 | 20.4 | m8.4 | m44.9 | | | 7.4 | 40.0 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | 145.4 | | | | 240.5 |
| Turn Bay Length (m) | | | | | | 40.0 | 45.0 | | | | 70.0 | |
| Base Capacity (vph) | | 309 | 448 | | 274 | 479 | 639 | 2296 | | | 282 | 1875 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | | 0.39 | 0.07 | | 0.30 | 0.34 | 0.16 | 0.47 | | | 0.08 | 0.23 |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 57 (48%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green

Natural Cycle: 90

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.70

Intersection Signal Delay: 13.5

Intersection LOS: B

Intersection Capacity Utilization 81.2%

ICU Level of Service D

Analysis Period (min) 15

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive Existing Conditions



| Lane Group | SBR | Ø3 | Ø7 |
|------------------------|------|----|----|
| v/c Ratio | 0.15 | | |
| Control Delay | 2.9 | | |
| Queue Delay | 0.0 | | |
| Total Delay | 2.9 | | |
| LOS | A | | |
| Approach Delay | | | |
| Approach LOS | | | |
| Queue Length 50th (m) | 0.0 | | |
| Queue Length 95th (m) | 9.5 | | |
| Internal Link Dist (m) | | | |
| Turn Bay Length (m) | 75.0 | | |
| Base Capacity (vph) | 872 | | |
| Starvation Cap Reductn | 0 | | |
| Spillback Cap Reductn | 0 | | |
| Storage Cap Reductn | 0 | | |
| Reduced v/c Ratio | 0.15 | | |
| Intersection Summary | | | |

5: Dazé Street & South Keys SC Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 216 | 3 | 2 | 4 | 154 |
| Future Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 216 | 3 | 2 | 4 | 154 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 1.00 | 0.99 | | 1.00 | 0.99 | | | 1.00 | | | | |
| Fr _t | | 0.852 | | | 0.880 | | | 0.998 | | | | 0.945 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1631 | 1485 | 0 | 1441 | 1584 | 0 | 1712 | 3383 | 0 | 0 | 1729 | 3196 |
| Fl _t Permitted | 0.751 | | | 0.697 | | | 0.532 | | | | 0.601 | |
| Satd. Flow (perm) | 1287 | 1485 | 0 | 1056 | 1584 | 0 | 959 | 3383 | 0 | 0 | 1094 | 3196 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 92 | | | 8 | | | 2 | | | | 100 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 2 | | 1 | 1 | | 2 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | | | | 1 | | | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 6% | 100% | 2% | 20% | 0% | 0% | 1% | 2% | 0% | 0% | 0% | 3% |
| Adj. Flow (vph) | 39 | 1 | 92 | 6 | 2 | 8 | 128 | 240 | 3 | 2 | 4 | 171 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 39 | 93 | 0 | 6 | 10 | 0 | 128 | 243 | 0 | 0 | 6 | 271 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 1 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | | 5.0 | 5.0 | | 1.4 | 5.0 | | 1.4 | 1.4 | 5.0 |
| Minimum Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 7.3 | 32.9 | | 7.3 | 7.3 | 32.9 |
| Total Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 12.0 | 35.0 | | 12.0 | 12.0 | 35.0 |
| Total Split (%) | 37.3% | 37.3% | | 37.4% | 37.4% | | 16.0% | 46.6% | | 16.0% | 16.0% | 46.6% |
| Maximum Green (s) | 22.0 | 22.0 | | 22.0 | 22.0 | | 6.1 | 29.1 | | 6.1 | 6.1 | 29.1 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.7 | 2.7 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.0 | 6.0 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 7.3 | 7.3 | | 7.3 | 7.3 | | 41.0 | 41.3 | | | 37.1 | 34.2 |
| Actuated g/C Ratio | 0.12 | 0.12 | | 0.12 | 0.12 | | 0.70 | 0.70 | | | 0.63 | 0.58 |

5: Dazé Street & South Keys SC

Existing Conditions

| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 90 |
| Future Volume (vph) | 90 |
| Ideal Flow (vphpl) | 1800 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 0.90 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 100 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC

Existing Conditions

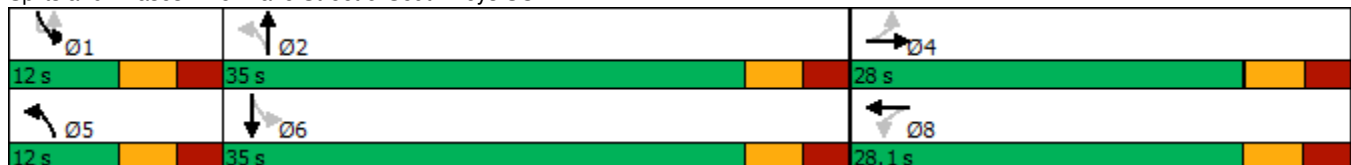


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.24 | 0.35 | | 0.05 | 0.05 | | 0.17 | 0.10 | | | 0.01 | 0.14 |
| Control Delay | 27.7 | 10.6 | | 23.8 | 16.0 | | 4.3 | 5.4 | | | 4.0 | 6.0 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 27.7 | 10.6 | | 23.8 | 16.0 | | 4.3 | 5.4 | | | 4.0 | 6.0 |
| LOS | C | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 15.6 | | | 18.9 | | | 5.0 | | | | 5.9 |
| Approach LOS | | B | | | B | | | A | | | | A |
| Queue Length 50th (m) | 4.0 | 0.1 | | 0.6 | 0.2 | | 3.8 | 3.7 | | | 0.2 | 5.0 |
| Queue Length 95th (m) | 11.4 | 10.6 | | 3.4 | 3.7 | | 9.3 | 13.4 | | | 1.1 | 11.2 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 487 | 620 | | 398 | 602 | | 749 | 2380 | | | 766 | 1904 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.08 | 0.15 | | 0.02 | 0.02 | | 0.17 | 0.10 | | | 0.01 | 0.14 |

Intersection Summary

Area Type: Other
 Cycle Length: 75.1
 Actuated Cycle Length: 58.7
 Natural Cycle: 70
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.35
 Intersection Signal Delay: 7.4 Intersection LOS: A
 Intersection Capacity Utilization 38.1% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC

Existing Conditions



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access

Existing Conditions

| Intersection | | | | | | |
|--------------------------|--------|--------|------|--------|------|------|
| Int Delay, s/veh | 0 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 334 | 242 | 0 |
| Future Vol, veh/h | 0 | 0 | 0 | 334 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 0 | 0 | 371 | 269 | 0 |
| Major/Minor | Minor2 | Major1 | | Major2 | | |
| Conflicting Flow All | - | 135 | - | 0 | - | 0 |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - | - |
| Pot Cap-1 Maneuver | 0 | 895 | 0 | - | - | - |
| Stage 1 | 0 | - | 0 | - | - | - |
| Stage 2 | 0 | - | 0 | - | - | - |
| Platoon blocked, % | | | | - | - | - |
| Mov Cap-1 Maneuver | - | 895 | - | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - | - |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Approach | EB | NB | | SB | | |
| HCM Control Delay, s | 0 | 0 | | 0 | | |
| HCM LOS | A | | | | | |
| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR | | |
| Capacity (veh/h) | - | - | - | - | | |
| HCM Lane V/C Ratio | - | - | - | - | | |
| HCM Control Delay (s) | - | 0 | - | - | | |
| HCM Lane LOS | - | A | - | - | | |
| HCM 95th %tile Q(veh) | - | - | - | - | | |

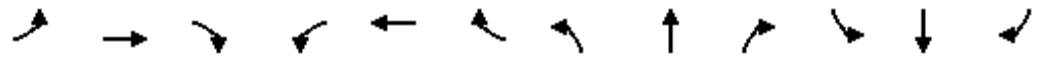
7: Dazé Street & Existing Access

Existing Conditions

| Intersection | | | | | | |
|--------------------------|--------|--------|-------|--------|------|------|
| Int Delay, s/veh | 0.2 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 6 | 6 | 334 | 242 | 0 |
| Future Vol, veh/h | 0 | 6 | 6 | 334 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 7 | 7 | 371 | 269 | 0 |
| Major/Minor | Minor2 | Major1 | | Major2 | | |
| Conflicting Flow All | - | 135 | 269 | 0 | - | 0 |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - | - |
| Pot Cap-1 Maneuver | 0 | 895 | 1306 | - | - | - |
| Stage 1 | 0 | - | - | - | - | - |
| Stage 2 | 0 | - | - | - | - | - |
| Platoon blocked, % | | | | - | - | - |
| Mov Cap-1 Maneuver | - | 895 | 1306 | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - | - |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Approach | EB | NB | | SB | | |
| HCM Control Delay, s | 9.1 | 0.1 | | 0 | | |
| HCM LOS | A | | | | | |
| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR | |
| Capacity (veh/h) | 1306 | - | 895 | - | - | |
| HCM Lane V/C Ratio | 0.005 | - | 0.007 | - | - | |
| HCM Control Delay (s) | 7.8 | - | 9.1 | - | - | |
| HCM Lane LOS | A | - | A | - | - | |
| HCM 95th %tile Q(veh) | 0 | - | 0 | - | - | |

1: Airport Parkway & Hunt Club Road

Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 166 | 1270 | 9 | 77 | 1241 | 320 | 15 | 0 | 134 | 574 | 0 | 270 |
| Future Volume (vph) | 166 | 1270 | 9 | 77 | 1241 | 320 | 15 | 0 | 134 | 574 | 0 | 270 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 1.00 | | 0.99 | | | | | 0.99 |
| Fr _t | | 0.999 | | | 0.969 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3473 | 0 | 1615 | 3425 | 0 | 1706 | 0 | 1570 | 3506 | 0 | 1617 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1805 | 3473 | 0 | 1613 | 3425 | 0 | 1688 | 0 | 1570 | 3506 | 0 | 1593 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 1 | | | 27 | | | | 164 | | | 300 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | 80 | |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | 189.5 | |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | 8.5 | |
| Confl. Peds. (#/hr) | 11 | | 5 | 5 | | 11 | 3 | | | | | 3 |
| Confl. Bikes (#/hr) | | | 1 | | | | | | | | | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 1% | 5% | 0% | 13% | 3% | 2% | 7% | 0% | 4% | 1% | 0% | 1% |
| Adj. Flow (vph) | 184 | 1411 | 10 | 86 | 1379 | 356 | 17 | 0 | 149 | 638 | 0 | 300 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 184 | 1421 | 0 | 86 | 1735 | 0 | 17 | 0 | 149 | 638 | 0 | 300 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 17.2 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 28.0 | 53.0 | | 28.0 | 53.0 | | 19.0 | | 19.0 | 49.0 | | 49.0 |
| Total Split (%) | 21.5% | 40.8% | | 21.5% | 40.8% | | 14.6% | | 14.6% | 37.7% | | 37.7% |
| Maximum Green (s) | 20.6 | 45.7 | | 20.6 | 45.7 | | 11.2 | | 11.2 | 41.2 | | 41.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 18.4 | 65.2 | | 12.2 | 59.1 | | 30.0 | | 30.0 | 30.0 | | 30.0 |
| Actuated g/C Ratio | 0.14 | 0.50 | | 0.09 | 0.45 | | 0.23 | | 0.23 | 0.23 | | 0.23 |

1: Airport Parkway & Hunt Club Road

Existing Conditions

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|--------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.72 | 0.82 | | 0.57 | 1.10 | | 0.04 | | 0.31 | 0.79 | | 0.50 |
| Control Delay | 68.9 | 33.5 | | 54.5 | 83.9 | | 36.4 | | 5.7 | 54.1 | | 7.1 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 68.9 | 33.5 | | 54.5 | 83.9 | | 36.4 | | 5.7 | 54.1 | | 7.1 |
| LOS | E | C | | D | F | | D | | A | D | | A |
| Approach Delay | | 37.6 | | | 82.6 | | | 8.8 | | | | 39.1 |
| Approach LOS | | D | | | F | | | A | | | | D |
| Queue Length 50th (m) | 45.7 | 156.7 | | 21.9 | ~256.7 | | 3.4 | | 0.0 | 79.7 | | 0.0 |
| Queue Length 95th (m) | 66.9 | #240.2 | | m23.5 | m#292.1 | | 9.1 | | 12.7 | 93.9 | | 20.9 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 298 | 1742 | | 255 | 1571 | | 390 | | 488 | 1111 | | 709 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.62 | 0.82 | | 0.34 | 1.10 | | 0.04 | | 0.31 | 0.57 | | 0.42 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 145

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.10

Intersection Signal Delay: 54.9

Intersection LOS: D

Intersection Capacity Utilization 89.1%

ICU Level of Service E

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road

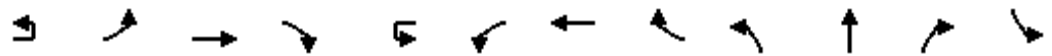


1: Airport Parkway & Hunt Club Road

Existing Conditions

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road Existing Conditions



| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↔↔↔ | | | ↔ | ↔↔ | ↔ | ↔↔ | ↔ | ↔ | ↔ |
| Traffic Volume (vph) | 25 | 261 | 1373 | 244 | 28 | 35 | 1245 | 81 | 141 | 107 | 75 | 101 |
| Future Volume (vph) | 25 | 261 | 1373 | 244 | 28 | 35 | 1245 | 81 | 141 | 107 | 75 | 101 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 1.00 | | 0.93 | 0.93 | | 0.96 | 0.98 |
| Fr _t | | | 0.977 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3509 | 4818 | 0 | 0 | 1825 | 3544 | 1617 | 3404 | 1921 | 1617 | 1807 |
| Fl _t Permitted | | 0.190 | | | | 0.202 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 695 | 4818 | 0 | 0 | 386 | 3544 | 1511 | 3181 | 1921 | 1556 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 31 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 35 | | 25 | | 25 | | 35 | 44 | | 22 | 22 |
| Confl. Bikes (#/hr) | | | | 1 | | | | | | | 1 | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 0% | 1% | 5% | 5% | 0% | 0% | 3% | 1% | 4% | 0% | 1% | 1% |
| Adj. Flow (vph) | 28 | 290 | 1526 | 271 | 31 | 39 | 1383 | 90 | 157 | 119 | 83 | 112 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 318 | 1797 | 0 | 0 | 70 | 1383 | 90 | 157 | 119 | 83 | 112 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 18.0 | 18.0 | 54.0 | | 18.0 | 18.0 | 54.0 | 54.0 | 17.0 | 41.0 | 41.0 | 17.0 |
| Total Split (%) | 13.8% | 13.8% | 41.5% | | 13.8% | 13.8% | 41.5% | 41.5% | 13.1% | 31.5% | 31.5% | 13.1% |
| Maximum Green (s) | 11.5 | 11.5 | 47.8 | | 11.5 | 11.5 | 47.8 | 47.8 | 10.5 | 34.0 | 34.0 | 10.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Max | | None | None | C-Max | C-Max | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 21.0 | 49.0 | | | 19.8 | 47.8 | 47.8 | 9.9 | 24.7 | 24.7 | 10.2 |
| Actuated g/C Ratio | | 0.16 | 0.38 | | | 0.15 | 0.37 | 0.37 | 0.08 | 0.19 | 0.19 | 0.08 |

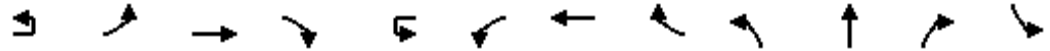
2: Bridle Path Drive/Dazé Street & Hunt Club Road

Existing Conditions



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 162 | 316 |
| Future Volume (vph) | 162 | 316 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.94 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1902 | 1617 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1902 | 1517 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 44 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 0.90 | 0.90 |
| Heavy Vehicles (%) | 1% | 1% |
| Adj. Flow (vph) | 180 | 351 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 180 | 351 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 25.1 | 25.1 |
| Actuated g/C Ratio | 0.19 | 0.19 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road Existing Conditions



| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|---------|--------|-----|-----|-------|--------|------|------|-------|------|-------|
| v/c Ratio | | 2.84 | 0.98 | | | 1.19 | 1.06 | 0.14 | 0.61 | 0.33 | 0.20 | 0.79 |
| Control Delay | | 868.3 | 48.8 | | | 226.8 | 82.7 | 1.1 | 68.4 | 45.6 | 1.7 | 95.0 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 868.3 | 48.8 | | | 226.8 | 82.7 | 1.1 | 68.4 | 45.6 | 1.7 | 95.0 |
| LOS | | F | D | | | F | F | A | E | D | A | F |
| Approach Delay | | | 172.1 | | | | 84.5 | | | 45.4 | | |
| Approach LOS | | | F | | | | F | | | D | | |
| Queue Length 50th (m) | | ~75.5 | ~159.6 | | | ~22.1 | ~204.8 | 0.0 | 20.3 | 26.2 | 0.0 | 28.6 |
| Queue Length 95th (m) | | m#104.8 | #200.2 | | | #59.0 | #247.4 | 2.0 | 31.7 | 40.5 | 1.7 | #59.5 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 112 | 1834 | | | 59 | 1303 | 646 | 274 | 502 | 508 | 144 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 2.84 | 0.98 | | | 1.19 | 1.06 | 0.14 | 0.57 | 0.24 | 0.16 | 0.78 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 135

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 2.84

Intersection Signal Delay: 117.7

Intersection LOS: F

Intersection Capacity Utilization 95.7%

ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

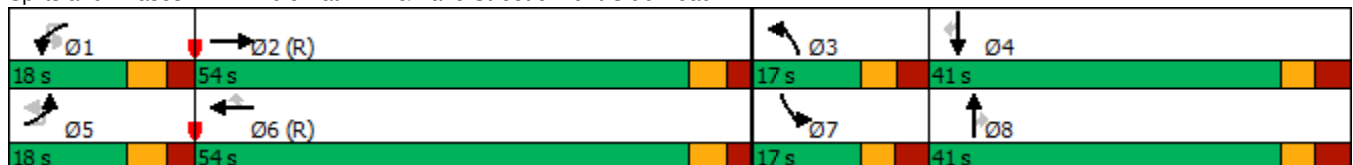
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road



2: Bridle Path Drive/Dazé Street & Hunt Club Road Existing Conditions



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.49 | 0.87 |
| Control Delay | 49.8 | 51.7 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 49.8 | 51.7 |
| LOS | D | D |
| Approach Delay | 58.7 | |
| Approach LOS | E | |
| Queue Length 50th (m) | 41.0 | 55.2 |
| Queue Length 95th (m) | 58.8 | 86.3 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 497 | 497 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.36 | 0.71 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road Existing Conditions



| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|---------------------------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| Lane Configurations | | ↗↗ | ↕↕ | ↖ | | ↖ | ↕↕ | ↖ | ↗↗ | ↕↕ | ↖ | |
| Traffic Volume (vph) | 4 | 141 | 898 | 359 | 1 | 46 | 805 | 178 | 325 | 518 | 55 | 1 |
| Future Volume (vph) | 4 | 141 | 898 | 359 | 1 | 46 | 805 | 178 | 325 | 518 | 55 | 1 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | |
| Storage Lanes | | 2 | | 1 | | 1 | | 1 | 2 | | 1 | |
| Taper Length (m) | | 2.5 | | | | 2.5 | | | 2.5 | | | |
| Lane Util. Factor | 0.95 | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 1.00 | | 0.96 | | 0.99 | | 0.98 | 0.97 | | 0.96 | |
| Fr _t | | | | 0.850 | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | |
| Satd. Flow (prot) | 0 | 3314 | 3510 | 1601 | 0 | 1756 | 3579 | 1617 | 3506 | 3579 | 1601 | 0 |
| Fl _t Permitted | | 0.381 | | | | 0.533 | | | 0.950 | | | |
| Satd. Flow (perm) | 0 | 1326 | 3510 | 1532 | 0 | 979 | 3579 | 1583 | 3411 | 3579 | 1535 | 0 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | | 274 | | | | 196 | | | 157 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 60 | | |
| Link Distance (m) | | | 152.6 | | | | 161.6 | | | 179.7 | | |
| Travel Time (s) | | | 9.2 | | | | 9.7 | | | 10.8 | | |
| Confl. Peds. (#/hr) | | 4 | | 21 | | 21 | | 4 | 55 | | 22 | |
| Confl. Bikes (#/hr) | | | | 5 | | | | 4 | | | 2 | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 0% | 7% | 4% | 2% | 0% | 4% | 2% | 1% | 1% | 2% | 2% | 0% |
| Adj. Flow (vph) | 4 | 157 | 998 | 399 | 1 | 51 | 894 | 198 | 361 | 576 | 61 | 1 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 161 | 998 | 399 | 0 | 52 | 894 | 198 | 361 | 576 | 61 | 0 |
| Turn Type | custom | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | custom |
| Protected Phases | | 7 | 4 | | | 3 | 8 | | 5 | 2 | | |
| Permitted Phases | 7 | | | 4 | 3 | | | 8 | | | 2 | 1 |
| Detector Phase | 7 | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 |
| Total Split (s) | 17.0 | 17.0 | 41.0 | 41.0 | 14.0 | 14.0 | 38.0 | 38.0 | 19.0 | 46.0 | 46.0 | 19.0 |
| Total Split (%) | 14.2% | 14.2% | 34.2% | 34.2% | 11.7% | 11.7% | 31.7% | 31.7% | 15.8% | 38.3% | 38.3% | 15.8% |
| Maximum Green (s) | 10.5 | 10.5 | 34.3 | 34.3 | 7.5 | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | 11.9 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | |
| Lead/Lag | Lead | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None |
| Walk Time (s) | | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | |
| Pedestrian Calls (#/hr) | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 10.5 | 34.3 | 34.3 | | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | |
| Actuated g/C Ratio | | 0.09 | 0.29 | 0.29 | | 0.06 | 0.26 | 0.26 | 0.10 | 0.33 | 0.33 | |

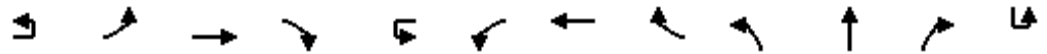
3: Bank Street & Hunt Club Road

Existing Conditions



| Lane Group | SBL | SBT | SBR |
|---------------------------|-------|-------|-------|
| Lane Configurations | | | |
| Traffic Volume (vph) | 222 | 955 | 196 |
| Future Volume (vph) | 222 | 955 | 196 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 |
| Storage Length (m) | 30.0 | | 120.0 |
| Storage Lanes | 2 | | 1 |
| Taper Length (m) | 2.5 | | |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 |
| Ped Bike Factor | 0.98 | | 0.92 |
| Fr _t | | | 0.850 |
| Fl _t Protected | 0.950 | | |
| Satd. Flow (prot) | 3506 | 3579 | 1555 |
| Fl _t Permitted | 0.336 | | |
| Satd. Flow (perm) | 1219 | 3579 | 1425 |
| Right Turn on Red | | | Yes |
| Satd. Flow (RTOR) | | | 157 |
| Link Speed (k/h) | | 60 | |
| Link Distance (m) | | 141.8 | |
| Travel Time (s) | | 8.5 | |
| Confl. Peds. (#/hr) | 22 | | 55 |
| Confl. Bikes (#/hr) | | | 4 |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 1% | 2% | 5% |
| Adj. Flow (vph) | 247 | 1061 | 218 |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 248 | 1061 | 218 |
| Turn Type | Prot | NA | Perm |
| Protected Phases | 1 | 6 | |
| Permitted Phases | | | 6 |
| Detector Phase | 1 | 6 | 6 |
| Switch Phase | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 |
| Minimum Split (s) | 12.1 | 34.5 | 34.5 |
| Total Split (s) | 19.0 | 46.0 | 46.0 |
| Total Split (%) | 15.8% | 38.3% | 38.3% |
| Maximum Green (s) | 11.9 | 39.5 | 39.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 3.4 | 2.8 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 7.1 | 6.5 | 6.5 |
| Lead/Lag | Lead | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | C-Max | C-Max |
| Walk Time (s) | | 7.0 | 7.0 |
| Flash Dont Walk (s) | | 21.0 | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 |
| Act Effct Green (s) | 11.9 | 39.5 | 39.5 |
| Actuated g/C Ratio | 0.10 | 0.33 | 0.33 |

3: Bank Street & Hunt Club Road Existing Conditions



| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|------------------------|-----|-------|--------|------|-----|-------|--------|-------|-------|-------|------|------|
| v/c Ratio | | 1.39 | 1.00 | 0.63 | | 0.85 | 0.96 | 0.36 | 1.04 | 0.49 | 0.10 | |
| Control Delay | | 259.4 | 70.3 | 16.4 | | 134.9 | 64.9 | 6.9 | 111.5 | 33.9 | 0.3 | |
| Queue Delay | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | | 259.4 | 70.3 | 16.4 | | 134.9 | 64.9 | 6.9 | 111.5 | 33.9 | 0.3 | |
| LOS | | F | E | B | | F | E | A | F | C | A | |
| Approach Delay | | | 76.0 | | | | 58.1 | | | 59.9 | | |
| Approach LOS | | | E | | | | E | | | E | | |
| Queue Length 50th (m) | | ~26.0 | 123.5 | 23.8 | | 12.4 | 109.5 | 0.4 | ~47.2 | 56.8 | 0.0 | |
| Queue Length 95th (m) | | #47.9 | #168.4 | 57.7 | | #36.5 | #149.6 | 18.1 | #77.0 | 73.7 | 0.0 | |
| Internal Link Dist (m) | | | 128.6 | | | | 137.6 | | | 155.7 | | |
| Turn Bay Length (m) | | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | | 60.0 |
| Base Capacity (vph) | | 116 | 1003 | 633 | | 61 | 933 | 557 | 347 | 1178 | 610 | |
| Starvation Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spillback Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Storage Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Reduced v/c Ratio | | 1.39 | 1.00 | 0.63 | | 0.85 | 0.96 | 0.36 | 1.04 | 0.49 | 0.10 | |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 23 (19%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 95

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 2.07

Intersection Signal Delay: 81.1

Intersection LOS: F

Intersection Capacity Utilization 87.0%

ICU Level of Service E

Analysis Period (min) 15

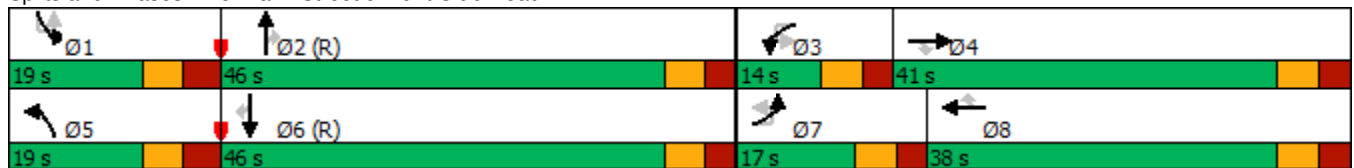
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



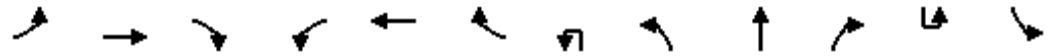
3: Bank Street & Hunt Club Road

Existing Conditions



| Lane Group | SBL | SBT | SBR |
|-----------------------------|-------|--------|-------|
| v/c Ratio | 2.07 | 0.90 | 0.38 |
| Control Delay | 533.4 | 41.7 | 12.3 |
| Queue Delay | 0.0 | 0.0 | 0.0 |
| Total Delay | 533.4 | 41.7 | 12.3 |
| LOS | F | D | B |
| Approach Delay | | 117.4 | |
| Approach LOS | | F | |
| Queue Length 50th (m) | ~48.8 | 52.5 | 3.0 |
| Queue Length 95th (m) | #75.6 | #139.2 | 27.2 |
| Internal Link Dist (m) | | 117.8 | |
| Turn Bay Length (m) | 30.0 | | 120.0 |
| Base Capacity (vph) | 120 | 1178 | 574 |
| Starvation Cap Reductn | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 |
| Reduced v/c Ratio | 2.07 | 0.90 | 0.38 |
| Intersection Summary | | | |

4: Bank Street & Dazé Street/Cahill Drive Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|---------------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|--------|-------|
| Lane Configurations | | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↕ | ↗ | | ↖ |
| Traffic Volume (vph) | 154 | 1 | 124 | 82 | 0 | 101 | 2 | 158 | 632 | 92 | 4 | 146 |
| Future Volume (vph) | 154 | 1 | 124 | 82 | 0 | 101 | 2 | 158 | 632 | 92 | 4 | 146 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | | 45.0 | | 0.0 | | 70.0 |
| Storage Lanes | 0 | | 1 | 0 | | 1 | | 1 | | 0 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | | 7.6 | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 |
| Ped Bike Factor | | 0.92 | 0.95 | | 0.97 | 0.90 | | | 0.99 | | | 0.99 |
| Fr _t | | | 0.850 | | | 0.850 | | | 0.981 | | | |
| Fl _t Protected | | 0.953 | | | 0.950 | | | 0.950 | | | | 0.950 |
| Satd. Flow (prot) | 0 | 1813 | 1617 | 0 | 1659 | 1633 | 0 | 1825 | 3478 | 0 | 0 | 1807 |
| Fl _t Permitted | | 0.661 | | | 0.529 | | | 0.129 | | | | 0.294 |
| Satd. Flow (perm) | 0 | 1160 | 1535 | 0 | 900 | 1471 | 0 | 248 | 3478 | 0 | 0 | 552 |
| Right Turn on Red | | | Yes | | | Yes | | | | Yes | | |
| Satd. Flow (RTOR) | | | 136 | | | 112 | | | 18 | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | | 60 | | | |
| Link Distance (m) | | 72.9 | | | 188.5 | | | | 169.4 | | | |
| Travel Time (s) | | 5.2 | | | 13.6 | | | | 10.2 | | | |
| Confl. Peds. (#/hr) | 44 | | 18 | 18 | | 44 | | 30 | | 19 | | 19 |
| Confl. Bikes (#/hr) | | | 4 | | | 1 | | | | 2 | | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 1% | 0% | 1% | 10% | 0% | 0% | 0% | 0% | 2% | 1% | 0% | 1% |
| Adj. Flow (vph) | 171 | 1 | 138 | 91 | 0 | 112 | 2 | 176 | 702 | 102 | 4 | 162 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 172 | 138 | 0 | 91 | 112 | 0 | 178 | 804 | 0 | 0 | 166 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | custom | pm+pt | NA | | custom | pm+pt |
| Protected Phases | | 4 | | | 8 | | | 5 | 2 | | | 1 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 5 | 2 | | | 1 | 6 |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 5 | 2 | | 1 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 11.3 | 34.3 | | 11.3 | 11.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 17.0 | 17.0 | 61.0 | | 17.0 | 17.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 14.2% | 14.2% | 50.8% | | 14.2% | 14.2% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 10.7 | 10.7 | 54.7 | | 10.7 | 10.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | 2.6 | | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | | 6.3 | 6.3 | | | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | Lead | Lag | | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | None | C-Max | | None | None |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | | 7.0 | | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | | 11.0 | | | |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | |
| Act Effct Green (s) | | 22.7 | 22.7 | | 22.7 | 22.7 | | 74.6 | 64.3 | | | 72.5 |
| Actuated g/C Ratio | | 0.19 | 0.19 | | 0.19 | 0.19 | | 0.62 | 0.54 | | | 0.60 |

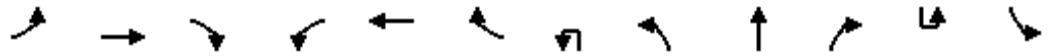
4: Bank Street & Dazé Street/Cahill Drive Existing Conditions



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|---------------------------|-------|-------|------|------|
| Lane Configurations | ↑↑ | ↑ | | |
| Traffic Volume (vph) | 1124 | 318 | | |
| Future Volume (vph) | 1124 | 318 | | |
| Ideal Flow (vphpl) | 1900 | 1900 | | |
| Storage Length (m) | | 75.0 | | |
| Storage Lanes | | 0 | | |
| Taper Length (m) | | | | |
| Lane Util. Factor | 0.95 | 1.00 | | |
| Ped Bike Factor | | 0.93 | | |
| Fr _t | | 0.850 | | |
| Fl _t Protected | | | | |
| Satd. Flow (prot) | 3579 | 1633 | | |
| Fl _t Permitted | | | | |
| Satd. Flow (perm) | 3579 | 1514 | | |
| Right Turn on Red | | Yes | | |
| Satd. Flow (RTOR) | | 326 | | |
| Link Speed (k/h) | 60 | | | |
| Link Distance (m) | 264.5 | | | |
| Travel Time (s) | 15.9 | | | |
| Confl. Peds. (#/hr) | | 30 | | |
| Confl. Bikes (#/hr) | | 5 | | |
| Peak Hour Factor | 0.90 | 0.90 | | |
| Heavy Vehicles (%) | 2% | 0% | | |
| Adj. Flow (vph) | 1249 | 353 | | |
| Shared Lane Traffic (%) | | | | |
| Lane Group Flow (vph) | 1249 | 353 | | |
| Turn Type | NA | Perm | | |
| Protected Phases | 6 | | 3 | 7 |
| Permitted Phases | | 6 | | |
| Detector Phase | 6 | 6 | | |
| Switch Phase | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 61.0 | 61.0 | 5.0 | 5.0 |
| Total Split (%) | 50.8% | 50.8% | 4% | 4% |
| Maximum Green (s) | 54.7 | 54.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | |
| Total Lost Time (s) | 6.3 | 6.3 | | |
| Lead/Lag | Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | C-Max | Max | Max |
| Walk Time (s) | 7.0 | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | 0 | | |
| Act Effct Green (s) | 63.3 | 63.3 | | |
| Actuated g/C Ratio | 0.53 | 0.53 | | |

4: Bank Street & Dazé Street/Cahill Drive

Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|------------------------|-----|------|------|-----|-------|------|-----|-------|-------|-----|-----|------|
| v/c Ratio | | 0.79 | 0.34 | | 0.54 | 0.30 | | 0.62 | 0.43 | | | 0.39 |
| Control Delay | | 69.3 | 8.7 | | 53.9 | 8.7 | | 35.6 | 14.8 | | | 11.5 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Delay | | 69.3 | 8.7 | | 53.9 | 8.7 | | 35.6 | 14.8 | | | 11.5 |
| LOS | | E | A | | D | A | | D | B | | | B |
| Approach Delay | | 42.3 | | | 29.0 | | | | 18.6 | | | |
| Approach LOS | | D | | | C | | | | B | | | |
| Queue Length 50th (m) | | 38.8 | 0.4 | | 19.4 | 0.0 | | 29.0 | 39.8 | | | 13.3 |
| Queue Length 95th (m) | | 59.1 | 15.6 | | 33.9 | 13.7 | | m46.7 | m51.8 | | | 26.4 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | | 145.4 | | | |
| Turn Bay Length (m) | | | | | | 40.0 | | 45.0 | | | | 70.0 |
| Base Capacity (vph) | | 298 | 496 | | 231 | 461 | | 304 | 1872 | | | 453 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Reduced v/c Ratio | | 0.58 | 0.28 | | 0.39 | 0.24 | | 0.59 | 0.43 | | | 0.37 |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 14 (12%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green

Natural Cycle: 90

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.79

Intersection Signal Delay: 21.7

Intersection LOS: C

Intersection Capacity Utilization 86.0%

ICU Level of Service E

Analysis Period (min) 15

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive Existing Conditions



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|-----------------------------|-------|------|----|----|
| v/c Ratio | 0.66 | 0.37 | | |
| Control Delay | 24.3 | 4.0 | | |
| Queue Delay | 0.0 | 0.0 | | |
| Total Delay | 24.3 | 4.0 | | |
| LOS | C | A | | |
| Approach Delay | 19.0 | | | |
| Approach LOS | B | | | |
| Queue Length 50th (m) | 110.0 | 3.0 | | |
| Queue Length 95th (m) | 153.3 | 20.2 | | |
| Internal Link Dist (m) | 240.5 | | | |
| Turn Bay Length (m) | | 75.0 | | |
| Base Capacity (vph) | 1886 | 952 | | |
| Starvation Cap Reductn | 0 | 0 | | |
| Spillback Cap Reductn | 0 | 0 | | |
| Storage Cap Reductn | 0 | 0 | | |
| Reduced v/c Ratio | 0.66 | 0.37 | | |
| Intersection Summary | | | | |

5: Dazé Street & South Keys SC Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 185 | 18 | 1 | 21 | 287 |
| Future Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 185 | 18 | 1 | 21 | 287 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 0.99 | 0.98 | | 1.00 | 0.98 | | 1.00 | 1.00 | | | 0.99 | 0.99 |
| Fr _t | | 0.852 | | | 0.883 | | | 0.987 | | | | 0.950 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1825 | 1608 | 0 | 1825 | 1669 | 0 | 1825 | 3560 | 0 | 0 | 1825 | 3404 |
| Fl _t Permitted | 0.746 | | | 0.342 | | | 0.422 | | | | 0.611 | |
| Satd. Flow (perm) | 1421 | 1608 | 0 | 655 | 1669 | 0 | 809 | 3560 | 0 | 0 | 1165 | 3404 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 246 | | | 14 | | | 13 | | | | 79 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 6 | | 3 | 3 | | 6 | 3 | | 5 | | 5 | |
| Confl. Bikes (#/hr) | | | 2 | | | | | | 1 | | | |
| Peak Hour Factor | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% |
| Adj. Flow (vph) | 94 | 3 | 246 | 2 | 4 | 14 | 217 | 206 | 20 | 1 | 23 | 319 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 94 | 249 | 0 | 2 | 18 | 0 | 217 | 226 | 0 | 0 | 24 | 477 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | 1 | 6 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | | 10.0 | 10.0 | | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 |
| Minimum Split (s) | 28.1 | 28.1 | | 28.1 | 28.1 | | 10.9 | 32.9 | | 10.9 | 10.9 | 32.9 |
| Total Split (s) | 36.1 | 36.1 | | 36.1 | 36.1 | | 35.0 | 58.0 | | 15.9 | 15.9 | 38.9 |
| Total Split (%) | 32.8% | 32.8% | | 32.8% | 32.8% | | 31.8% | 52.7% | | 14.5% | 14.5% | 35.4% |
| Maximum Green (s) | 30.0 | 30.0 | | 30.0 | 30.0 | | 29.1 | 52.1 | | 10.0 | 10.0 | 33.0 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.1 | 6.1 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 11.7 | 11.7 | | 11.7 | 11.7 | | 56.4 | 52.6 | | | 48.0 | 42.1 |
| Actuated g/C Ratio | 0.14 | 0.14 | | 0.14 | 0.14 | | 0.70 | 0.65 | | | 0.59 | 0.52 |

5: Dazé Street & South Keys SC

Existing Conditions

| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 142 |
| Future Volume (vph) | 142 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 3 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 0.90 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 158 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC

Existing Conditions



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.46 | 0.56 | | 0.02 | 0.07 | | 0.32 | 0.10 | | | 0.03 | 0.26 |
| Control Delay | 40.7 | 10.4 | | 32.5 | 19.1 | | 5.5 | 6.3 | | | 4.6 | 9.5 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 40.7 | 10.4 | | 32.5 | 19.1 | | 5.5 | 6.3 | | | 4.6 | 9.5 |
| LOS | D | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 18.7 | | | 20.5 | | | 5.9 | | | | 9.3 |
| Approach LOS | | B | | | C | | | A | | | | A |
| Queue Length 50th (m) | 12.4 | 0.4 | | 0.2 | 0.5 | | 8.4 | 4.1 | | | 0.8 | 15.3 |
| Queue Length 95th (m) | 29.7 | 20.0 | | 2.3 | 6.4 | | 18.7 | 13.7 | | | 3.2 | 29.1 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 533 | 756 | | 245 | 635 | | 939 | 2324 | | | 835 | 1812 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.18 | 0.33 | | 0.01 | 0.03 | | 0.23 | 0.10 | | | 0.03 | 0.26 |

Intersection Summary

| | |
|------------------------------------|------------------|
| Area Type: | Other |
| Cycle Length: | 110 |
| Actuated Cycle Length: | 80.7 |
| Natural Cycle: | 75 |
| Control Type: | Semi Act-Uncoord |
| Maximum v/c Ratio: | 0.56 |
| Intersection Signal Delay: | 10.8 |
| Intersection LOS: | B |
| Intersection Capacity Utilization: | 62.8% |
| ICU Level of Service: | B |
| Analysis Period (min): | 15 |

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC

Existing Conditions



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access

Existing Conditions

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 418 | 553 | 0 |
| Future Vol, veh/h | 0 | 0 | 0 | 418 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 0 | 0 | 464 | 614 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 307 | - | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - |
| Pot Cap-1 Maneuver | 0 | 695 | 0 | - | - |
| Stage 1 | 0 | - | 0 | - | - |
| Stage 2 | 0 | - | 0 | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 695 | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|----|----|----|
| HCM Control Delay, s | 0 | 0 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR |
|-----------------------|-----|-------|-----|-----|
| Capacity (veh/h) | - | - | - | - |
| HCM Lane V/C Ratio | - | - | - | - |
| HCM Control Delay (s) | - | 0 | - | - |
| HCM Lane LOS | - | A | - | - |
| HCM 95th %tile Q(veh) | - | - | - | - |

7: Dazé Street & Existing Access

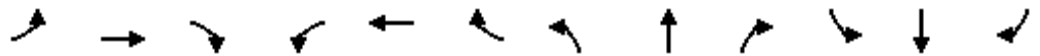
Existing Conditions

| Intersection | | | | | | |
|--------------------------|--------|--------|-------|--------|------|------|
| Int Delay, s/veh | 0.5 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 26 | 31 | 418 | 553 | 0 |
| Future Vol, veh/h | 0 | 26 | 31 | 418 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 29 | 34 | 464 | 614 | 0 |
| Major/Minor | Minor2 | Major1 | | Major2 | | |
| Conflicting Flow All | - | 307 | 614 | 0 | 0 | |
| Stage 1 | - | - | - | - | - | |
| Stage 2 | - | - | - | - | - | |
| Critical Hdwy | - | 6.9 | 4.1 | - | - | |
| Critical Hdwy Stg 1 | - | - | - | - | - | |
| Critical Hdwy Stg 2 | - | - | - | - | - | |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - | |
| Pot Cap-1 Maneuver | 0 | 695 | 975 | - | - | |
| Stage 1 | 0 | - | - | - | - | |
| Stage 2 | 0 | - | - | - | - | |
| Platoon blocked, % | | | | - | - | |
| Mov Cap-1 Maneuver | - | 695 | 975 | - | - | |
| Mov Cap-2 Maneuver | - | - | - | - | - | |
| Stage 1 | - | - | - | - | - | |
| Stage 2 | - | - | - | - | - | |
| Approach | EB | NB | SB | | | |
| HCM Control Delay, s | 10.4 | 0.6 | 0 | | | |
| HCM LOS | B | | | | | |
| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR | |
| Capacity (veh/h) | 975 | - | 695 | - | - | |
| HCM Lane V/C Ratio | 0.035 | - | 0.042 | - | - | |
| HCM Control Delay (s) | 8.8 | - | 10.4 | - | - | |
| HCM Lane LOS | A | - | B | - | - | |
| HCM 95th %tile Q(veh) | 0.1 | - | 0.1 | - | - | |

Future (2026) Background Traffic

1: Airport Parkway & Hunt Club Road

BG 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 347 | 1089 | 25 | 66 | 963 | 604 | 15 | 0 | 83 | 253 | 0 | 148 |
| Future Volume (vph) | 347 | 1089 | 25 | 66 | 963 | 604 | 15 | 0 | 83 | 253 | 0 | 148 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 0.99 | | | | | | | |
| Fr _t | | 0.997 | | | 0.942 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3436 | 0 | 1630 | 3185 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1806 | 3436 | 0 | 1628 | 3185 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 113 | | | | 164 | | | 148 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | | 80 |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | | 189.5 |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | | 8.5 |
| Confl. Peds. (#/hr) | 7 | | 2 | 2 | | 7 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | 1 | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 6% | 0% | 12% | 11% | 1% | 7% | 0% | 12% | 3% | 0% | 4% |
| Adj. Flow (vph) | 347 | 1089 | 25 | 66 | 963 | 604 | 15 | 0 | 83 | 253 | 0 | 148 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 347 | 1114 | 0 | 66 | 1567 | 0 | 15 | 0 | 83 | 253 | 0 | 148 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 12.4 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 32.0 | 50.0 | | 32.0 | 50.0 | | 18.0 | | 18.0 | 48.0 | | 48.0 |
| Total Split (%) | 24.6% | 38.5% | | 24.6% | 38.5% | | 13.8% | | 13.8% | 36.9% | | 36.9% |
| Maximum Green (s) | 24.6 | 42.7 | | 24.6 | 42.7 | | 10.2 | | 10.2 | 40.2 | | 40.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 34.0 | 84.7 | | 10.6 | 58.5 | | 15.0 | | 15.0 | 15.0 | | 15.0 |
| Actuated g/C Ratio | 0.26 | 0.65 | | 0.08 | 0.45 | | 0.12 | | 0.12 | 0.12 | | 0.12 |

1: Airport Parkway & Hunt Club Road

BG 2026 AM Phase 1 Build-out

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

BG 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|-------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.74 | 0.50 | | 0.50 | 1.05 | | 0.08 | | 0.27 | 0.64 | | 0.48 |
| Control Delay | 53.9 | 14.2 | | 49.4 | 63.7 | | 50.5 | | 2.1 | 62.2 | | 13.0 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 53.9 | 14.2 | | 49.4 | 63.7 | | 50.5 | | 2.1 | 62.2 | | 13.0 |
| LOS | D | B | | D | E | | D | | A | E | | B |
| Approach Delay | | 23.6 | | | 63.1 | | | 9.5 | | | | 44.1 |
| Approach LOS | | C | | | E | | | A | | | | D |
| Queue Length 50th (m) | 81.8 | 77.0 | | 15.9 | ~212.3 | | 3.5 | | 0.0 | 32.3 | | 0.0 |
| Queue Length 95th (m) | 112.5 | 111.9 | | m22.1 | m#277.1 | | 10.0 | | 0.0 | 44.7 | | 18.7 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 472 | 2238 | | 308 | 1495 | | 196 | | 313 | 1062 | | 587 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.74 | 0.50 | | 0.21 | 1.05 | | 0.08 | | 0.27 | 0.24 | | 0.25 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 150

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.05

Intersection Signal Delay: 43.5

Intersection LOS: D

Intersection Capacity Utilization 92.6%

ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road

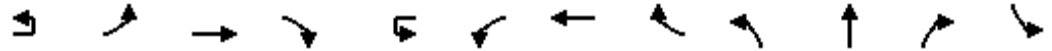


1: Airport Parkway & Hunt Club Road

BG 2026 AM Phase 1 Build-out

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2026 AM Phase 1 Build-out



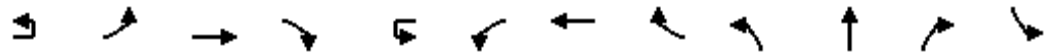
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↔↔↔ | | | ↔ | ↔↔ | ↔ | ↔↔ | ↔ | ↔ | ↔ |
| Traffic Volume (vph) | 19 | 163 | 1084 | 98 | 2 | 16 | 1189 | 75 | 200 | 108 | 67 | 30 |
| Future Volume (vph) | 19 | 163 | 1084 | 98 | 2 | 16 | 1189 | 75 | 200 | 108 | 67 | 30 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 0.99 | | 0.96 | 0.94 | | 0.99 | 1.00 |
| Fr _t | | | 0.988 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3478 | 4816 | 0 | 0 | 1515 | 3411 | 1601 | 3278 | 1902 | 1541 | 1772 |
| Fl _t Permitted | | 0.140 | | | | 0.833 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 509 | 4816 | 0 | 0 | 1319 | 3411 | 1543 | 3086 | 1902 | 1519 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 13 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 15 | | 18 | | 18 | | 15 | 32 | | 2 | 2 |
| Confl. Bikes (#/hr) | | | | 1 | | | | 2 | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% | 7% | 7% | 0% | 23% | 7% | 2% | 8% | 1% | 6% | 3% |
| Adj. Flow (vph) | 19 | 163 | 1084 | 98 | 2 | 16 | 1189 | 75 | 200 | 108 | 67 | 30 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 182 | 1182 | 0 | 0 | 18 | 1189 | 75 | 200 | 108 | 67 | 30 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 15.0 | 15.0 | 52.0 | | 15.0 | 15.0 | 52.0 | 52.0 | 22.0 | 41.0 | 41.0 | 22.0 |
| Total Split (%) | 11.5% | 11.5% | 40.0% | | 11.5% | 11.5% | 40.0% | 40.0% | 16.9% | 31.5% | 31.5% | 16.9% |
| Maximum Green (s) | 8.5 | 8.5 | 45.8 | | 8.5 | 8.5 | 45.8 | 45.8 | 15.5 | 34.0 | 34.0 | 15.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Min | | None | None | C-Min | C-Min | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 28.5 | 79.1 | | | 8.9 | 51.5 | 51.5 | 12.9 | 21.0 | 21.0 | 7.7 |
| Actuated g/C Ratio | | 0.22 | 0.61 | | | 0.07 | 0.40 | 0.40 | 0.10 | 0.16 | 0.16 | 0.06 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2026 AM Phase 1 Build-out



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 30 | 152 |
| Future Volume (vph) | 30 | 152 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.95 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1921 | 1601 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1921 | 1524 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 32 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% |
| Adj. Flow (vph) | 30 | 152 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 30 | 152 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 10.9 | 10.9 |
| Actuated g/C Ratio | 0.08 | 0.08 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2026 AM Phase 1 Build-out

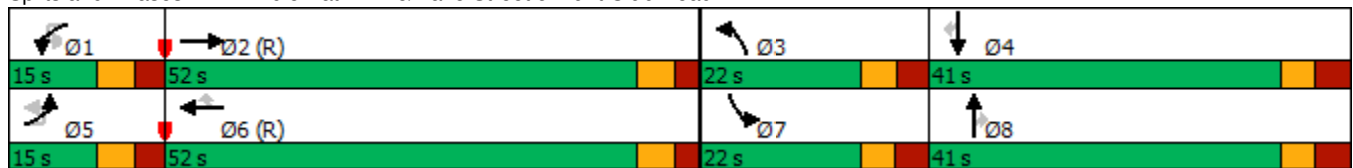


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|-------|-------|-----|-----|------|--------|------|------|-------|------|------|
| v/c Ratio | | 1.64 | 0.40 | | | 0.20 | 0.88 | 0.11 | 0.62 | 0.35 | 0.19 | 0.29 |
| Control Delay | | 360.1 | 11.3 | | | 60.6 | 45.0 | 0.3 | 64.3 | 53.6 | 1.1 | 64.7 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 360.1 | 11.3 | | | 60.6 | 45.0 | 0.3 | 64.3 | 53.6 | 1.1 | 64.7 |
| LOS | | F | B | | | E | D | A | E | D | A | E |
| Approach Delay | | | 57.8 | | | | 42.6 | | | 49.9 | | |
| Approach LOS | | | E | | | | D | | | D | | |
| Queue Length 50th (m) | | ~35.5 | 34.2 | | | 4.5 | 139.7 | 0.0 | 25.6 | 26.2 | 0.0 | 7.5 |
| Queue Length 95th (m) | | #61.0 | 49.3 | | | 12.1 | #195.8 | 0.0 | 37.5 | 43.3 | 0.0 | 17.2 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 111 | 2934 | | | 100 | 1351 | 698 | 390 | 497 | 498 | 209 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 1.64 | 0.40 | | | 0.18 | 0.88 | 0.11 | 0.51 | 0.22 | 0.13 | 0.14 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 135
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.64
 Intersection Signal Delay: 49.3 Intersection LOS: D
 Intersection Capacity Utilization 88.4% ICU Level of Service E
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

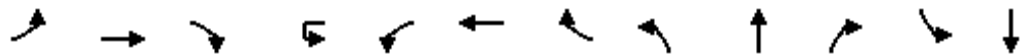


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2026 AM Phase 1 Build-out



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.19 | 0.60 |
| Control Delay | 57.6 | 22.1 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 57.6 | 22.1 |
| LOS | E | C |
| Approach Delay | 33.2 | |
| Approach LOS | C | |
| Queue Length 50th (m) | 7.3 | 3.7 |
| Queue Length 95th (m) | 16.6 | 24.1 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 502 | 499 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.06 | 0.30 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road BG 2026 AM Phase 1 Build-out

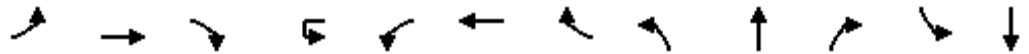


| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|---------------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 129 | 734 | 268 | 1 | 32 | 977 | 195 | 291 | 956 | 23 | 86 | 327 |
| Future Volume (vph) | 129 | 734 | 268 | 1 | 32 | 977 | 195 | 291 | 956 | 23 | 86 | 327 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Storage Lanes | 2 | | 1 | | 1 | | 1 | 2 | | 1 | 2 | |
| Taper Length (m) | 2.5 | | | | 2.5 | | | 2.5 | | | | 2.5 |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.97 | 0.95 |
| Ped Bike Factor | 0.99 | | 0.98 | | 1.00 | | 0.97 | 0.97 | | 0.96 | 0.99 | |
| Fr _t | | | 0.850 | | | | 0.850 | | | 0.850 | | |
| Fl _t Protected | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 | |
| Satd. Flow (prot) | 3190 | 3380 | 1570 | 0 | 1725 | 3411 | 1617 | 3372 | 3544 | 1633 | 3471 | 3444 |
| Fl _t Permitted | 0.950 | | | | | | | 0.950 | | | 0.950 | |
| Satd. Flow (perm) | 3171 | 3380 | 1533 | 0 | 1809 | 3411 | 1572 | 3257 | 3544 | 1569 | 3432 | 3444 |
| Right Turn on Red | | | Yes | | | | Yes | | | Yes | | |
| Satd. Flow (RTOR) | | | 268 | | | | 279 | | | 216 | | |
| Link Speed (k/h) | | 60 | | | | 60 | | | 60 | | | 60 |
| Link Distance (m) | | 152.6 | | | | 161.6 | | | 179.7 | | | 141.8 |
| Travel Time (s) | | 9.2 | | | | 9.7 | | | 10.8 | | | 8.5 |
| Confl. Peds. (#/hr) | 10 | | 9 | | 9 | | 10 | 25 | | 20 | 20 | |
| Confl. Bikes (#/hr) | | | | | | | 3 | | | 3 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 11% | 8% | 4% | 0% | 6% | 7% | 1% | 5% | 3% | 0% | 2% | 6% |
| Adj. Flow (vph) | 129 | 734 | 268 | 1 | 32 | 977 | 195 | 291 | 956 | 23 | 86 | 327 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 129 | 734 | 268 | 0 | 33 | 977 | 195 | 291 | 956 | 23 | 86 | 327 |
| Turn Type | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | Prot | NA |
| Protected Phases | 7 | 4 | | | 3 | 8 | | 5 | 2 | | 1 | 6 |
| Permitted Phases | | | 4 | 3 | | | 8 | | | 2 | | |
| Detector Phase | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 |
| Minimum Split (s) | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 | 34.5 |
| Total Split (s) | 21.0 | 45.0 | 45.0 | 13.0 | 13.0 | 37.0 | 37.0 | 25.0 | 48.0 | 48.0 | 14.0 | 37.0 |
| Total Split (%) | 17.5% | 37.5% | 37.5% | 10.8% | 10.8% | 30.8% | 30.8% | 20.8% | 40.0% | 40.0% | 11.7% | 30.8% |
| Maximum Green (s) | 14.5 | 38.3 | 38.3 | 6.5 | 6.5 | 30.3 | 30.3 | 17.9 | 41.5 | 41.5 | 6.9 | 30.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | 7.1 | 6.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None | C-Max |
| Walk Time (s) | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | | 7.0 |
| Flash Dont Walk (s) | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | 0 |
| Act Effct Green (s) | 10.2 | 43.5 | 43.5 | | 6.4 | 34.6 | 34.6 | 15.2 | 44.3 | 44.3 | 6.8 | 33.2 |
| Actuated g/C Ratio | 0.08 | 0.36 | 0.36 | | 0.05 | 0.29 | 0.29 | 0.13 | 0.37 | 0.37 | 0.06 | 0.28 |

3: Bank Street & Hunt Club Road BG 2026 AM Phase 1 Build-out

| | |
|-------------------------|-------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 151 |
| Future Volume (vph) | 151 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 120.0 |
| Storage Lanes | 1 |
| Taper Length (m) | |
| Lane Util. Factor | 1.00 |
| Ped Bike Factor | 0.96 |
| Frt | 0.850 |
| Flt Protected | |
| Satd. Flow (prot) | 1458 |
| Flt Permitted | |
| Satd. Flow (perm) | 1395 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | 281 |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 25 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 12% |
| Adj. Flow (vph) | 151 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 151 |
| Turn Type | Perm |
| Protected Phases | |
| Permitted Phases | 6 |
| Detector Phase | 6 |
| Switch Phase | |
| Minimum Initial (s) | 10.0 |
| Minimum Split (s) | 34.5 |
| Total Split (s) | 37.0 |
| Total Split (%) | 30.8% |
| Maximum Green (s) | 30.5 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 2.8 |
| Lost Time Adjust (s) | 0.0 |
| Total Lost Time (s) | 6.5 |
| Lead/Lag | Lag |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | C-Max |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 21.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | 33.2 |
| Actuated g/C Ratio | 0.28 |

3: Bank Street & Hunt Club Road BG 2026 AM Phase 1 Build-out

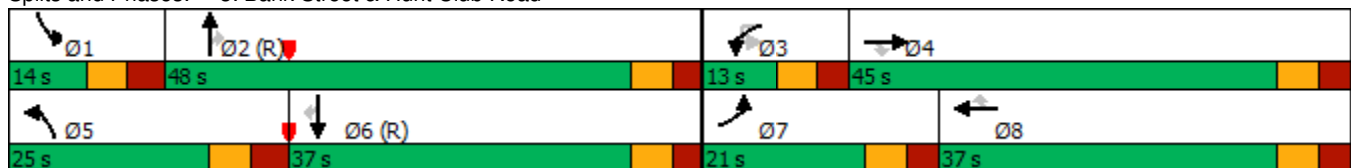


| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|------------------------|------|-------|------|-----|------|--------|-------|------|-------|------|------|-------|
| v/c Ratio | 0.48 | 0.60 | 0.37 | | 0.35 | 0.99 | 0.30 | 0.68 | 0.73 | 0.03 | 0.44 | 0.34 |
| Control Delay | 57.8 | 34.8 | 5.1 | | 65.1 | 70.3 | 1.6 | 58.3 | 37.6 | 0.1 | 66.3 | 28.4 |
| Queue Delay | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 57.8 | 34.8 | 5.1 | | 65.1 | 70.3 | 1.6 | 58.3 | 37.6 | 0.1 | 66.3 | 28.4 |
| LOS | E | C | A | | E | E | A | E | D | A | E | C |
| Approach Delay | | 30.4 | | | | 59.0 | | | 41.6 | | | 26.9 |
| Approach LOS | | C | | | | E | | | D | | | C |
| Queue Length 50th (m) | 15.2 | 78.8 | 0.0 | | 7.7 | 120.7 | 0.0 | 34.0 | 105.4 | 0.0 | 10.6 | 22.0 |
| Queue Length 95th (m) | 24.4 | 100.1 | 18.2 | | 18.2 | #176.0 | 1.8 | 47.5 | 130.5 | 0.0 | 18.7 | 30.1 |
| Internal Link Dist (m) | | 128.6 | | | | 137.6 | | | 155.7 | | | 117.8 |
| Turn Bay Length (m) | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Base Capacity (vph) | 385 | 1224 | 726 | | 97 | 983 | 651 | 502 | 1308 | 715 | 199 | 952 |
| Starvation Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.34 | 0.60 | 0.37 | | 0.34 | 0.99 | 0.30 | 0.58 | 0.73 | 0.03 | 0.43 | 0.34 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 65 (54%), Referenced to phase 2:NBT and 6:SBT, Start of Green
 Natural Cycle: 95
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.99
 Intersection Signal Delay: 41.6 Intersection LOS: D
 Intersection Capacity Utilization 85.1% ICU Level of Service E
 Analysis Period (min) 15
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road BG 2026 AM Phase 1 Build-out



| | |
|------------------------|-------|
| Lane Group | SBR |
| v/c Ratio | 0.26 |
| Control Delay | 1.1 |
| Queue Delay | 0.0 |
| Total Delay | 1.1 |
| LOS | A |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | 0.1 |
| Queue Length 95th (m) | 0.2 |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | 120.0 |
| Base Capacity (vph) | 589 |
| Starvation Cap Reductn | 0 |
| Spillback Cap Reductn | 0 |
| Storage Cap Reductn | 0 |
| Reduced v/c Ratio | 0.26 |
| Intersection Summary | |

4: Bank Street & Dazé Street/Cahill Drive BG 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| Lane Configurations | | ↕ | ↗ | | ↕ | ↗ | ↖ | ↕↗ | | | ↖ | ↕↗ |
| Traffic Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 951 | 51 | 3 | 17 | 411 |
| Future Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 951 | 51 | 3 | 17 | 411 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | 45.0 | | 0.0 | | 70.0 | |
| Storage Lanes | 0 | | 1 | 0 | | 1 | 1 | | 0 | | 1 | |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | | 7.6 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 0.97 | 0.97 | | 0.98 | 0.95 | 0.99 | 1.00 | | | | 1.00 |
| Fr _t | | | 0.850 | | | 0.850 | | 0.992 | | | | |
| Fl _t Protected | | 0.950 | | | 0.950 | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 0 | 1772 | 1570 | 0 | 1738 | 1585 | 1807 | 3417 | 0 | 0 | 1825 | 3349 |
| Fl _t Permitted | | 0.709 | | | 0.623 | | 0.468 | | | | 0.286 | |
| Satd. Flow (perm) | 0 | 1277 | 1521 | 0 | 1121 | 1505 | 886 | 3417 | 0 | 0 | 548 | 3349 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | | 105 | | | 148 | | 8 | | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | 60 | | | | 60 |
| Link Distance (m) | | 72.9 | | | 188.5 | | | 169.4 | | | | 264.5 |
| Travel Time (s) | | 5.2 | | | 13.6 | | | 10.2 | | | | 15.9 |
| Confl. Peds. (#/hr) | 19 | | 10 | 10 | | 19 | 6 | | 3 | | | 3 |
| Confl. Bikes (#/hr) | | | | | | 2 | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 3% | 0% | 4% | 5% | 0% | 3% | 1% | 6% | 2% | 0% | 0% | 9% |
| Adj. Flow (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 951 | 51 | 3 | 17 | 411 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 122 | 33 | 0 | 73 | 148 | 90 | 1002 | 0 | 0 | 20 | 411 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | pm+pt | NA | | Perm | Perm | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 6 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | | 6 | 6 | |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 2 | | 6 | 6 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 10.0 | | 10.0 | 10.0 | 10.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 34.3 | | 34.3 | 34.3 | 34.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 14.0 | 78.0 | | 64.0 | 64.0 | 64.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 11.7% | 65.0% | | 53.3% | 53.3% | 53.3% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 7.7 | 71.7 | | 57.7 | 57.7 | 57.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | 6.3 | 6.3 | | | 6.3 | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | | | Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | C-Max | | C-Max | C-Max | C-Max |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | 7.0 | | 7.0 | 7.0 | 7.0 |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | 11.0 | | 11.0 | 11.0 | 11.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| Act Effct Green (s) | | 16.9 | 16.9 | | 16.9 | 16.9 | 85.7 | 85.7 | | | 72.0 | 72.0 |
| Actuated g/C Ratio | | 0.14 | 0.14 | | 0.14 | 0.14 | 0.71 | 0.71 | | | 0.60 | 0.60 |

4: Bank Street & Dazé Street/Cahill Drive BG 2026 AM Phase 1 Build-out

| Lane Group | SBR | Ø3 | Ø7 |
|-------------------------|-------|------|------|
| Lane Configurations | | | |
| Traffic Volume (vph) | 117 | | |
| Future Volume (vph) | 117 | | |
| Ideal Flow (vphpl) | 1900 | | |
| Storage Length (m) | 75.0 | | |
| Storage Lanes | 0 | | |
| Taper Length (m) | | | |
| Lane Util. Factor | 1.00 | | |
| Ped Bike Factor | 0.98 | | |
| Frt | 0.850 | | |
| Flt Protected | | | |
| Satd. Flow (prot) | 1498 | | |
| Flt Permitted | | | |
| Satd. Flow (perm) | 1463 | | |
| Right Turn on Red | Yes | | |
| Satd. Flow (RTOR) | 117 | | |
| Link Speed (k/h) | | | |
| Link Distance (m) | | | |
| Travel Time (s) | | | |
| Confl. Peds. (#/hr) | 6 | | |
| Confl. Bikes (#/hr) | | | |
| Peak Hour Factor | 1.00 | | |
| Heavy Vehicles (%) | 9% | | |
| Adj. Flow (vph) | 117 | | |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 117 | | |
| Turn Type | Perm | | |
| Protected Phases | | 3 | 7 |
| Permitted Phases | 6 | | |
| Detector Phase | 6 | | |
| Switch Phase | | | |
| Minimum Initial (s) | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 64.0 | 5.0 | 5.0 |
| Total Split (%) | 53.3% | 4% | 4% |
| Maximum Green (s) | 57.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | | |
| Total Lost Time (s) | 6.3 | | |
| Lead/Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | Max | Max |
| Walk Time (s) | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | | |
| Act Effct Green (s) | 72.0 | | |
| Actuated g/C Ratio | 0.60 | | |

4: Bank Street & Dazé Street/Cahill Drive
 BG 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|-----|------|------|-----|-------|------|------|-------|-----|-----|------|-------|
| v/c Ratio | | 0.68 | 0.11 | | 0.46 | 0.44 | 0.13 | 0.41 | | | 0.06 | 0.20 |
| Control Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.4 | 5.5 | | | 13.0 | 12.2 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.4 | 5.5 | | | 13.0 | 12.2 |
| LOS | | E | A | | E | B | A | A | | | B | B |
| Approach Delay | | 52.9 | | | 25.6 | | | 5.5 | | | | 10.2 |
| Approach LOS | | D | | | C | | | A | | | | B |
| Queue Length 50th (m) | | 27.7 | 0.0 | | 16.0 | 0.0 | 4.0 | 24.1 | | | 1.8 | 21.7 |
| Queue Length 95th (m) | | 45.1 | 0.0 | | 29.2 | 16.9 | m7.7 | 37.1 | | | 6.5 | 36.1 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | 145.4 | | | | 240.5 |
| Turn Bay Length (m) | | | | | | 40.0 | 45.0 | | | | 70.0 | |
| Base Capacity (vph) | | 328 | 469 | | 288 | 497 | 694 | 2443 | | | 328 | 2009 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | | 0.37 | 0.07 | | 0.25 | 0.30 | 0.13 | 0.41 | | | 0.06 | 0.20 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 57 (48%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.68
 Intersection Signal Delay: 12.6
 Intersection LOS: B
 Intersection Capacity Utilization 80.0%
 ICU Level of Service D
 Analysis Period (min) 15

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive BG 2026 AM Phase 1 Build-out



| Lane Group | SBR | Ø3 | Ø7 |
|------------------------|------|----|----|
| v/c Ratio | 0.13 | | |
| Control Delay | 2.8 | | |
| Queue Delay | 0.0 | | |
| Total Delay | 2.8 | | |
| LOS | A | | |
| Approach Delay | | | |
| Approach LOS | | | |
| Queue Length 50th (m) | 0.0 | | |
| Queue Length 95th (m) | 8.7 | | |
| Internal Link Dist (m) | | | |
| Turn Bay Length (m) | 75.0 | | |
| Base Capacity (vph) | 924 | | |
| Starvation Cap Reductn | 0 | | |
| Spillback Cap Reductn | 0 | | |
| Storage Cap Reductn | 0 | | |
| Reduced v/c Ratio | 0.13 | | |
| Intersection Summary | | | |

5: Dazé Street & South Keys SC
 BG 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 154 |
| Future Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 154 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 1.00 | 0.99 | | 1.00 | 0.99 | | | 1.00 | | | | |
| Fr _t | | 0.852 | | | 0.883 | | | 0.998 | | | | 0.945 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1722 | 1566 | 0 | 1521 | 1678 | 0 | 1807 | 3571 | 0 | 0 | 1825 | 3373 |
| Fl _t Permitted | 0.752 | | | 0.702 | | | 0.546 | | | | 0.605 | |
| Satd. Flow (perm) | 1360 | 1566 | 0 | 1123 | 1678 | 0 | 1039 | 3571 | 0 | 0 | 1162 | 3373 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 83 | | | 7 | | | 2 | | | | 90 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 2 | | 1 | 1 | | 2 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 6% | 100% | 2% | 20% | 0% | 0% | 1% | 2% | 0% | 0% | 0% | 3% |
| Adj. Flow (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 154 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 35 | 84 | 0 | 5 | 9 | 0 | 115 | 236 | 0 | 0 | 6 | 244 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 1 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | | 5.0 | 5.0 | | 1.4 | 5.0 | | 1.4 | 1.4 | 5.0 |
| Minimum Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 7.3 | 32.9 | | 7.3 | 7.3 | 32.9 |
| Total Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 12.0 | 35.0 | | 12.0 | 12.0 | 35.0 |
| Total Split (%) | 37.3% | 37.3% | | 37.4% | 37.4% | | 16.0% | 46.6% | | 16.0% | 16.0% | 46.6% |
| Maximum Green (s) | 22.0 | 22.0 | | 22.0 | 22.0 | | 6.1 | 29.1 | | 6.1 | 6.1 | 29.1 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.7 | 2.7 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.0 | 6.0 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 7.1 | 7.1 | | 7.0 | 7.0 | | 41.0 | 41.2 | | | 37.1 | 34.2 |
| Actuated g/C Ratio | 0.12 | 0.12 | | 0.12 | 0.12 | | 0.70 | 0.71 | | | 0.64 | 0.59 |

5: Dazé Street & South Keys SC
 BG 2026 AM Phase 1 Build-out



| | |
|-------------------------|------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 90 |
| Future Volume (vph) | 90 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 90 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 BG 2026 AM Phase 1 Build-out

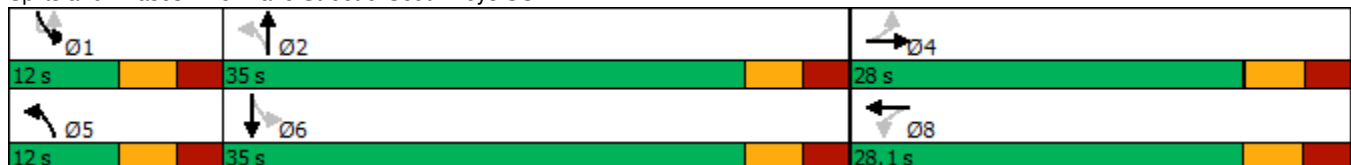


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.21 | 0.32 | | 0.04 | 0.04 | | 0.14 | 0.09 | | | 0.01 | 0.12 |
| Control Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| LOS | C | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 15.3 | | | 19.1 | | | 4.8 | | | | 5.8 |
| Approach LOS | | B | | | B | | | A | | | | A |
| Queue Length 50th (m) | 3.6 | 0.1 | | 0.5 | 0.2 | | 3.3 | 3.5 | | | 0.2 | 4.4 |
| Queue Length 95th (m) | 10.5 | 10.2 | | 3.1 | 3.6 | | 8.2 | 12.8 | | | 1.1 | 10.1 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 517 | 647 | | 425 | 640 | | 810 | 2521 | | | 815 | 2009 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.07 | 0.13 | | 0.01 | 0.01 | | 0.14 | 0.09 | | | 0.01 | 0.12 |

Intersection Summary

Area Type: Other
 Cycle Length: 75.1
 Actuated Cycle Length: 58.4
 Natural Cycle: 70
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.32
 Intersection Signal Delay: 7.1
 Intersection LOS: A
 Intersection Capacity Utilization 37.3%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC BG 2026 AM Phase 1 Build-out



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access BG 2026 AM Phase 1 Build-out

| Intersection | | | | | | |
|--------------------------|--------|--------|------|--------|------|------|
| Int Delay, s/veh | 0 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 351 | 242 | 0 |
| Future Vol, veh/h | 0 | 0 | 0 | 351 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 0 | 0 | 351 | 242 | 0 |
| Major/Minor | Minor2 | Major1 | | Major2 | | |
| Conflicting Flow All | - | 121 | - | 0 | - | 0 |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - | - |
| Pot Cap-1 Maneuver | 0 | 914 | 0 | - | - | - |
| Stage 1 | 0 | - | 0 | - | - | - |
| Stage 2 | 0 | - | 0 | - | - | - |
| Platoon blocked, % | | | | - | - | - |
| Mov Cap-1 Maneuver | - | 914 | - | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - | - |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Approach | EB | NB | | SB | | |
| HCM Control Delay, s | 0 | 0 | | 0 | | |
| HCM LOS | A | | | | | |
| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR | | |
| Capacity (veh/h) | - | - | - | - | | |
| HCM Lane V/C Ratio | - | - | - | - | | |
| HCM Control Delay (s) | - | 0 | - | - | | |
| HCM Lane LOS | - | A | - | - | | |
| HCM 95th %tile Q(veh) | - | - | - | - | | |

7: Dazé Street & Existing Access BG 2026 AM Phase 1 Build-out

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.1 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 6 | 6 | 351 | 242 | 0 |
| Future Vol, veh/h | 0 | 6 | 6 | 351 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 6 | 6 | 351 | 242 | 0 |

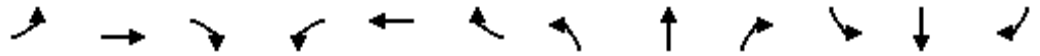
| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 121 | 242 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 914 | 1336 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 914 | 1336 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|----|-----|----|
| HCM Control Delay, s | 9 | 0.1 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|-------|-----|-------|-----|-----|
| Capacity (veh/h) | 1336 | - | 914 | - | - |
| HCM Lane V/C Ratio | 0.004 | - | 0.007 | - | - |
| HCM Control Delay (s) | 7.7 | - | 9 | - | - |
| HCM Lane LOS | A | - | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | 0 | - | - |

1: Airport Parkway & Hunt Club Road

BG 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 175 | 1331 | 33 | 79 | 1296 | 334 | 15 | 0 | 137 | 593 | 0 | 282 |
| Future Volume (vph) | 175 | 1331 | 33 | 79 | 1296 | 334 | 15 | 0 | 137 | 593 | 0 | 282 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 1.00 | | 0.99 | | | | | 0.99 |
| Fr _t | | 0.996 | | | 0.969 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3464 | 0 | 1615 | 3425 | 0 | 1706 | 0 | 1570 | 3506 | 0 | 1617 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1805 | 3464 | 0 | 1613 | 3425 | 0 | 1688 | 0 | 1570 | 3506 | 0 | 1593 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 27 | | | | 164 | | | 282 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | 80 | |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | 189.5 | |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | 8.5 | |
| Confl. Peds. (#/hr) | 11 | | 5 | 5 | | 11 | 3 | | | | | 3 |
| Confl. Bikes (#/hr) | | | 1 | | | | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 5% | 0% | 13% | 3% | 2% | 7% | 0% | 4% | 1% | 0% | 1% |
| Adj. Flow (vph) | 175 | 1331 | 33 | 79 | 1296 | 334 | 15 | 0 | 137 | 593 | 0 | 282 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 175 | 1364 | 0 | 79 | 1630 | 0 | 15 | 0 | 137 | 593 | 0 | 282 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 17.2 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 28.0 | 53.0 | | 28.0 | 53.0 | | 19.0 | | 19.0 | 49.0 | | 49.0 |
| Total Split (%) | 21.5% | 40.8% | | 21.5% | 40.8% | | 14.6% | | 14.6% | 37.7% | | 37.7% |
| Maximum Green (s) | 20.6 | 45.7 | | 20.6 | 45.7 | | 11.2 | | 11.2 | 41.2 | | 41.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 17.8 | 70.4 | | 11.7 | 61.5 | | 28.3 | | 28.3 | 28.3 | | 28.3 |
| Actuated g/C Ratio | 0.14 | 0.54 | | 0.09 | 0.47 | | 0.22 | | 0.22 | 0.22 | | 0.22 |

1: Airport Parkway & Hunt Club Road
 BG 2026 PM Phase 1 Build-out

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

BG 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|--------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.71 | 0.73 | | 0.54 | 1.00 | | 0.04 | | 0.29 | 0.78 | | 0.50 |
| Control Delay | 68.9 | 28.0 | | 54.9 | 47.4 | | 37.7 | | 4.6 | 55.2 | | 7.4 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 68.9 | 28.0 | | 54.9 | 47.4 | | 37.7 | | 4.6 | 55.2 | | 7.4 |
| LOS | E | C | | D | D | | D | | A | E | | A |
| Approach Delay | | 32.6 | | | 47.8 | | | 7.9 | | | | 39.8 |
| Approach LOS | | C | | | D | | | A | | | | D |
| Queue Length 50th (m) | 43.5 | 141.0 | | 20.2 | ~133.2 | | 3.1 | | 0.0 | 74.3 | | 0.0 |
| Queue Length 95th (m) | 64.5 | #208.3 | | m23.4 | m#273.8 | | 8.5 | | 9.7 | 88.4 | | 20.6 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 295 | 1877 | | 255 | 1633 | | 366 | | 469 | 1111 | | 697 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.59 | 0.73 | | 0.31 | 1.00 | | 0.04 | | 0.29 | 0.53 | | 0.40 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 145

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.00

Intersection Signal Delay: 39.3 Intersection LOS: D

Intersection Capacity Utilization 92.1% ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road



1: Airport Parkway & Hunt Club Road

BG 2026 PM Phase 1 Build-out

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2026 PM Phase 1 Build-out



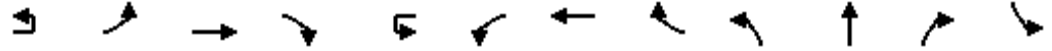
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↕↕↕ | | | ↔ | ↕↕ | ↔ | ↔↔ | ↕ | ↔ | ↔↔ |
| Traffic Volume (vph) | 33 | 268 | 1426 | 244 | 28 | 37 | 1298 | 88 | 141 | 107 | 75 | 101 |
| Future Volume (vph) | 33 | 268 | 1426 | 244 | 28 | 37 | 1298 | 88 | 141 | 107 | 75 | 101 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 1.00 | | 0.93 | 0.93 | | 0.96 | 0.98 |
| Fr _t | | | 0.978 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3509 | 4825 | 0 | 0 | 1825 | 3544 | 1617 | 3404 | 1921 | 1617 | 1807 |
| Fl _t Permitted | | 0.169 | | | | 0.203 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 617 | 4825 | 0 | 0 | 388 | 3544 | 1511 | 3176 | 1921 | 1556 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 29 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 35 | | 25 | | 25 | | 35 | 44 | | 22 | 22 |
| Confl. Bikes (#/hr) | | | | 1 | | | | | | | 1 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 1% | 5% | 5% | 0% | 0% | 3% | 1% | 4% | 0% | 1% | 1% |
| Adj. Flow (vph) | 33 | 268 | 1426 | 244 | 28 | 37 | 1298 | 88 | 141 | 107 | 75 | 101 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 301 | 1670 | 0 | 0 | 65 | 1298 | 88 | 141 | 107 | 75 | 101 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 18.0 | 18.0 | 54.0 | | 18.0 | 18.0 | 54.0 | 54.0 | 17.0 | 41.0 | 41.0 | 17.0 |
| Total Split (%) | 13.8% | 13.8% | 41.5% | | 13.8% | 13.8% | 41.5% | 41.5% | 13.1% | 31.5% | 31.5% | 13.1% |
| Maximum Green (s) | 11.5 | 11.5 | 47.8 | | 11.5 | 11.5 | 47.8 | 47.8 | 10.5 | 34.0 | 34.0 | 10.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Max | | None | None | C-Max | C-Max | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 23.6 | 51.7 | | | 19.7 | 47.8 | 47.8 | 9.7 | 22.3 | 22.3 | 10.0 |
| Actuated g/C Ratio | | 0.18 | 0.40 | | | 0.15 | 0.37 | 0.37 | 0.07 | 0.17 | 0.17 | 0.08 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road BG 2026 PM Phase 1 Build-out



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 162 | 316 |
| Future Volume (vph) | 162 | 316 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.94 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1902 | 1617 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1902 | 1517 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 44 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 1% |
| Adj. Flow (vph) | 162 | 316 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 162 | 316 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 22.6 | 22.6 |
| Actuated g/C Ratio | 0.17 | 0.17 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2026 PM Phase 1 Build-out

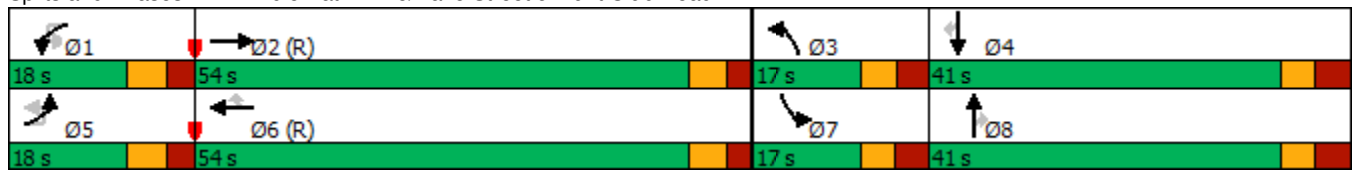


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|--------|--------|-----|-----|-------|--------|------|------|-------|------|-------|
| v/c Ratio | | 2.69 | 0.86 | | | 1.12 | 1.00 | 0.14 | 0.56 | 0.33 | 0.20 | 0.73 |
| Control Delay | | 802.5 | 36.6 | | | 203.9 | 65.1 | 0.9 | 66.5 | 47.3 | 1.2 | 87.8 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 802.5 | 36.6 | | | 203.9 | 65.1 | 0.9 | 66.5 | 47.3 | 1.2 | 87.8 |
| LOS | | F | D | | | F | E | A | E | D | A | F |
| Approach Delay | | | 153.6 | | | | 67.4 | | | 45.0 | | |
| Approach LOS | | | F | | | | E | | | D | | |
| Queue Length 50th (m) | | ~70.1 | 147.9 | | | 16.8 | 173.5 | 0.0 | 18.1 | 24.2 | 0.0 | 25.6 |
| Queue Length 95th (m) | | #107.2 | #162.2 | | | #55.8 | #223.3 | 1.5 | 29.0 | 37.1 | 0.0 | #51.5 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 112 | 1937 | | | 58 | 1303 | 646 | 274 | 502 | 508 | 144 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 2.69 | 0.86 | | | 1.12 | 1.00 | 0.14 | 0.51 | 0.21 | 0.15 | 0.70 |

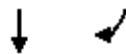
Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 125
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 2.69
 Intersection Signal Delay: 103.4 Intersection LOS: F
 Intersection Capacity Utilization 97.6% ICU Level of Service F
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

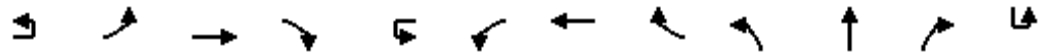


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2026 PM Phase 1 Build-out



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.49 | 0.84 |
| Control Delay | 51.6 | 47.5 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 51.6 | 47.5 |
| LOS | D | D |
| Approach Delay | 55.7 | |
| Approach LOS | E | |
| Queue Length 50th (m) | 37.7 | 46.0 |
| Queue Length 95th (m) | 53.4 | 72.9 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 497 | 497 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.33 | 0.64 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road
 BG 2026 PM Phase 1 Build-out



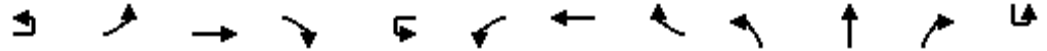
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|---------------------------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| Lane Configurations | | ↗↗ | ↕↕ | ↖ | | | ↖ | ↕↕ | ↖ | ↗↗ | ↕↕ | ↖ |
| Traffic Volume (vph) | 4 | 157 | 928 | 369 | 1 | 48 | 834 | 183 | 336 | 532 | 56 | 1 |
| Future Volume (vph) | 4 | 157 | 928 | 369 | 1 | 48 | 834 | 183 | 336 | 532 | 56 | 1 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | |
| Storage Lanes | | 2 | | 1 | | 1 | | 1 | 2 | | 1 | |
| Taper Length (m) | | 2.5 | | | | 2.5 | | | 2.5 | | | |
| Lane Util. Factor | 0.95 | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 1.00 | | 0.96 | | 0.99 | | 0.98 | 0.97 | | 0.96 | |
| Fr _t | | | | 0.850 | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | |
| Satd. Flow (prot) | 0 | 3314 | 3510 | 1601 | 0 | 1756 | 3579 | 1617 | 3506 | 3579 | 1601 | 0 |
| Fl _t Permitted | | 0.381 | | | | 0.667 | | | 0.950 | | | |
| Satd. Flow (perm) | 0 | 1326 | 3510 | 1532 | 0 | 1225 | 3579 | 1583 | 3400 | 3579 | 1535 | 0 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | | 279 | | | | 183 | | | 157 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 60 | | |
| Link Distance (m) | | | 152.6 | | | | 161.6 | | | 179.7 | | |
| Travel Time (s) | | | 9.2 | | | | 9.7 | | | 10.8 | | |
| Confl. Peds. (#/hr) | | 4 | | 21 | | 21 | | 4 | 55 | | 22 | |
| Confl. Bikes (#/hr) | | | | 5 | | | | 4 | | | 2 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 7% | 4% | 2% | 0% | 4% | 2% | 1% | 1% | 2% | 2% | 0% |
| Adj. Flow (vph) | 4 | 157 | 928 | 369 | 1 | 48 | 834 | 183 | 336 | 532 | 56 | 1 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 161 | 928 | 369 | 0 | 49 | 834 | 183 | 336 | 532 | 56 | 0 |
| Turn Type | custom | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | custom |
| Protected Phases | | 7 | 4 | | | 3 | 8 | | 5 | 2 | | |
| Permitted Phases | 7 | | | 4 | 3 | | | 8 | | | 2 | 1 |
| Detector Phase | 7 | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 |
| Total Split (s) | 17.0 | 17.0 | 41.0 | 41.0 | 14.0 | 14.0 | 38.0 | 38.0 | 19.0 | 46.0 | 46.0 | 19.0 |
| Total Split (%) | 14.2% | 14.2% | 34.2% | 34.2% | 11.7% | 11.7% | 31.7% | 31.7% | 15.8% | 38.3% | 38.3% | 15.8% |
| Maximum Green (s) | 10.5 | 10.5 | 34.3 | 34.3 | 7.5 | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | 11.9 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | |
| Lead/Lag | Lead | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None |
| Walk Time (s) | | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | |
| Pedestrian Calls (#/hr) | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 10.5 | 37.1 | 37.1 | | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | |
| Actuated g/C Ratio | | 0.09 | 0.31 | 0.31 | | 0.06 | 0.26 | 0.26 | 0.10 | 0.33 | 0.33 | |

3: Bank Street & Hunt Club Road BG 2026 PM Phase 1 Build-out



| Lane Group | SBL | SBT | SBR |
|---------------------------|-------|-------|-------|
| Lane Configurations | ↔↔ | ↑↑ | ↔ |
| Traffic Volume (vph) | 229 | 981 | 227 |
| Future Volume (vph) | 229 | 981 | 227 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 |
| Storage Length (m) | 30.0 | | 120.0 |
| Storage Lanes | 2 | | 1 |
| Taper Length (m) | 2.5 | | |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 |
| Ped Bike Factor | 0.98 | | 0.92 |
| Fr _t | | | 0.850 |
| Fl _t Protected | 0.950 | | |
| Satd. Flow (prot) | 3506 | 3579 | 1555 |
| Fl _t Permitted | 0.336 | | |
| Satd. Flow (perm) | 1218 | 3579 | 1425 |
| Right Turn on Red | | | Yes |
| Satd. Flow (RTOR) | | | 157 |
| Link Speed (k/h) | | 60 | |
| Link Distance (m) | | 141.8 | |
| Travel Time (s) | | 8.5 | |
| Confl. Peds. (#/hr) | 22 | | 55 |
| Confl. Bikes (#/hr) | | | 4 |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 2% | 5% |
| Adj. Flow (vph) | 229 | 981 | 227 |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 230 | 981 | 227 |
| Turn Type | Prot | NA | Perm |
| Protected Phases | 1 | 6 | |
| Permitted Phases | | | 6 |
| Detector Phase | 1 | 6 | 6 |
| Switch Phase | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 |
| Minimum Split (s) | 12.1 | 34.5 | 34.5 |
| Total Split (s) | 19.0 | 46.0 | 46.0 |
| Total Split (%) | 15.8% | 38.3% | 38.3% |
| Maximum Green (s) | 11.9 | 39.5 | 39.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 3.4 | 2.8 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 7.1 | 6.5 | 6.5 |
| Lead/Lag | Lead | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | C-Max | C-Max |
| Walk Time (s) | | 7.0 | 7.0 |
| Flash Dont Walk (s) | | 21.0 | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 |
| Act Effct Green (s) | 11.9 | 39.5 | 39.5 |
| Actuated g/C Ratio | 0.10 | 0.33 | 0.33 |

3: Bank Street & Hunt Club Road BG 2026 PM Phase 1 Build-out

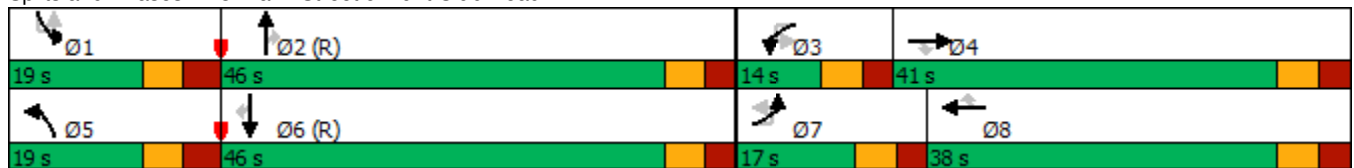


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|------------------------|-----|-------|--------|------|-----|-------|--------|-------|-------|-------|------|------|
| v/c Ratio | | 1.39 | 0.86 | 0.55 | | 0.64 | 0.89 | 0.33 | 0.97 | 0.45 | 0.09 | |
| Control Delay | | 259.4 | 48.9 | 12.8 | | 91.1 | 55.9 | 6.7 | 95.0 | 33.2 | 0.3 | |
| Queue Delay | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | | 259.4 | 48.9 | 12.8 | | 91.1 | 55.9 | 6.7 | 95.0 | 33.2 | 0.3 | |
| LOS | | F | D | B | | F | E | A | F | C | A | |
| Approach Delay | | | 63.0 | | | | 49.1 | | | 53.7 | | |
| Approach LOS | | | E | | | | D | | | D | | |
| Queue Length 50th (m) | | ~26.0 | 111.8 | 16.1 | | 11.5 | 99.9 | 0.0 | 41.2 | 51.7 | 0.0 | |
| Queue Length 95th (m) | | #47.9 | #149.6 | 46.4 | | #30.7 | #133.6 | 17.1 | #70.0 | 67.7 | 0.0 | |
| Internal Link Dist (m) | | | 128.6 | | | | 137.6 | | | 155.7 | | |
| Turn Bay Length (m) | | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | | 60.0 |
| Base Capacity (vph) | | 116 | 1085 | 666 | | 76 | 933 | 548 | 347 | 1178 | 610 | |
| Starvation Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spillback Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Storage Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Reduced v/c Ratio | | 1.39 | 0.86 | 0.55 | | 0.64 | 0.89 | 0.33 | 0.97 | 0.45 | 0.09 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 23 (19%), Referenced to phase 2:NBT and 6:SBT, Start of Green
 Natural Cycle: 105
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.92
 Intersection Signal Delay: 69.5
 Intersection LOS: E
 Intersection Capacity Utilization 88.9%
 ICU Level of Service E
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road
 BG 2026 PM Phase 1 Build-out



| Lane Group | SBL | SBT | SBR |
|-----------------------------|-------|-------|-------|
| v/c Ratio | 1.92 | 0.83 | 0.40 |
| Control Delay | 471.8 | 35.5 | 10.6 |
| Queue Delay | 0.0 | 0.0 | 0.0 |
| Total Delay | 471.8 | 35.5 | 10.6 |
| LOS | F | D | B |
| Approach Delay | | 101.4 | |
| Approach LOS | | F | |
| Queue Length 50th (m) | ~44.2 | 48.0 | 3.3 |
| Queue Length 95th (m) | #69.8 | 89.5 | 26.7 |
| Internal Link Dist (m) | | 117.8 | |
| Turn Bay Length (m) | 30.0 | | 120.0 |
| Base Capacity (vph) | 120 | 1178 | 574 |
| Starvation Cap Reductn | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 |
| Reduced v/c Ratio | 1.92 | 0.83 | 0.40 |
| Intersection Summary | | | |

4: Bank Street & Dazé Street/Cahill Drive BG 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|---------------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|--------|-------|
| Lane Configurations | | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↗ | | | ↖ |
| Traffic Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 650 | 92 | 4 | 146 |
| Future Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 650 | 92 | 4 | 146 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | | 45.0 | | 0.0 | | 70.0 |
| Storage Lanes | 0 | | 1 | 0 | | 1 | | 1 | | 0 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | | 7.6 | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 |
| Ped Bike Factor | | 0.92 | 0.95 | | 0.97 | 0.90 | | | 0.99 | | | 0.98 |
| Fr _t | | | 0.850 | | | 0.850 | | | 0.981 | | | |
| Fl _t Protected | | 0.953 | | | 0.950 | | | 0.950 | | | | 0.950 |
| Satd. Flow (prot) | 0 | 1813 | 1617 | 0 | 1659 | 1633 | 0 | 1825 | 3478 | 0 | 0 | 1807 |
| Fl _t Permitted | | 0.668 | | | 0.548 | | | 0.159 | | | | 0.321 |
| Satd. Flow (perm) | 0 | 1172 | 1535 | 0 | 932 | 1471 | 0 | 305 | 3478 | 0 | 0 | 601 |
| Right Turn on Red | | | Yes | | | Yes | | | | Yes | | |
| Satd. Flow (RTOR) | | | 132 | | | 105 | | | 17 | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | | 60 | | | |
| Link Distance (m) | | 72.9 | | | 188.5 | | | | 169.4 | | | |
| Travel Time (s) | | 5.2 | | | 13.6 | | | | 10.2 | | | |
| Confl. Peds. (#/hr) | 44 | | 18 | 18 | | 44 | | 30 | | 19 | | 19 |
| Confl. Bikes (#/hr) | | | 4 | | | 1 | | | | 2 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 0% | 1% | 10% | 0% | 0% | 0% | 0% | 2% | 1% | 0% | 1% |
| Adj. Flow (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 650 | 92 | 4 | 146 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 161 | 132 | 0 | 82 | 101 | 0 | 160 | 742 | 0 | 0 | 150 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | custom | pm+pt | NA | | custom | pm+pt |
| Protected Phases | | 4 | | | 8 | | | 5 | 2 | | | 1 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 5 | 2 | | | 1 | 6 |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 5 | 2 | | 1 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 11.3 | 34.3 | | 11.3 | 11.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 17.0 | 17.0 | 61.0 | | 17.0 | 17.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 14.2% | 14.2% | 50.8% | | 14.2% | 14.2% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 10.7 | 10.7 | 54.7 | | 10.7 | 10.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | 2.6 | | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | | 6.3 | 6.3 | | | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | Lead | Lag | | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | None | C-Max | | None | None |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | | 7.0 | | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | | 11.0 | | | |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | |
| Act Effct Green (s) | | 21.7 | 21.7 | | 21.7 | 21.7 | | 74.7 | 65.6 | | | 74.5 |
| Actuated g/C Ratio | | 0.18 | 0.18 | | 0.18 | 0.18 | | 0.62 | 0.55 | | | 0.62 |

4: Bank Street & Dazé Street/Cahill Drive
 BG 2026 PM Phase 1 Build-out



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|---------------------------|-------|-------|------|------|
| Lane Configurations | ↑↑ | ↑ | | |
| Traffic Volume (vph) | 1174 | 318 | | |
| Future Volume (vph) | 1174 | 318 | | |
| Ideal Flow (vphpl) | 1900 | 1900 | | |
| Storage Length (m) | | 75.0 | | |
| Storage Lanes | | 0 | | |
| Taper Length (m) | | | | |
| Lane Util. Factor | 0.95 | 1.00 | | |
| Ped Bike Factor | | 0.93 | | |
| Fr _t | | 0.850 | | |
| Fl _t Protected | | | | |
| Satd. Flow (prot) | 3579 | 1633 | | |
| Fl _t Permitted | | | | |
| Satd. Flow (perm) | 3579 | 1514 | | |
| Right Turn on Red | | Yes | | |
| Satd. Flow (RTOR) | | 312 | | |
| Link Speed (k/h) | 60 | | | |
| Link Distance (m) | 264.5 | | | |
| Travel Time (s) | 15.9 | | | |
| Confl. Peds. (#/hr) | | 30 | | |
| Confl. Bikes (#/hr) | | 5 | | |
| Peak Hour Factor | 1.00 | 1.00 | | |
| Heavy Vehicles (%) | 2% | 0% | | |
| Adj. Flow (vph) | 1174 | 318 | | |
| Shared Lane Traffic (%) | | | | |
| Lane Group Flow (vph) | 1174 | 318 | | |
| Turn Type | NA | Perm | | |
| Protected Phases | 6 | | 3 | 7 |
| Permitted Phases | | 6 | | |
| Detector Phase | 6 | 6 | | |
| Switch Phase | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 61.0 | 61.0 | 5.0 | 5.0 |
| Total Split (%) | 50.8% | 50.8% | 4% | 4% |
| Maximum Green (s) | 54.7 | 54.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | |
| Total Lost Time (s) | 6.3 | 6.3 | | |
| Lead/Lag | Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | C-Max | Max | Max |
| Walk Time (s) | 7.0 | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | 0 | | |
| Act Effct Green (s) | 65.5 | 65.5 | | |
| Actuated g/C Ratio | 0.55 | 0.55 | | |

4: Bank Street & Dazé Street/Cahill Drive BG 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|------------------------|-----|------|------|-----|-------|------|-----|-------|-------|-----|-----|------|
| v/c Ratio | | 0.76 | 0.34 | | 0.49 | 0.29 | | 0.52 | 0.39 | | | 0.32 |
| Control Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 27.3 | 14.1 | | | 10.2 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 27.3 | 14.1 | | | 10.2 |
| LOS | | E | A | | D | A | | C | B | | | B |
| Approach Delay | | 41.3 | | | 28.1 | | | | 16.4 | | | |
| Approach LOS | | D | | | C | | | | B | | | |
| Queue Length 50th (m) | | 36.4 | 0.0 | | 17.5 | 0.0 | | 22.5 | 36.8 | | | 11.5 |
| Queue Length 95th (m) | | 55.5 | 14.9 | | 31.0 | 12.6 | | m39.1 | m46.8 | | | 23.8 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | | 145.4 | | | |
| Turn Bay Length (m) | | | | | | 40.0 | | 45.0 | | | | 70.0 |
| Base Capacity (vph) | | 301 | 493 | | 239 | 456 | | 330 | 1909 | | | 490 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Reduced v/c Ratio | | 0.53 | 0.27 | | 0.34 | 0.22 | | 0.48 | 0.39 | | | 0.31 |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 14 (12%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green

Natural Cycle: 90

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.76

Intersection Signal Delay: 19.8

Intersection LOS: B

Intersection Capacity Utilization 87.7%

ICU Level of Service E

Analysis Period (min) 15

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive
 BG 2026 PM Phase 1 Build-out



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|------------------------|-------|------|----|----|
| v/c Ratio | 0.60 | 0.33 | | |
| Control Delay | 21.5 | 3.2 | | |
| Queue Delay | 0.0 | 0.0 | | |
| Total Delay | 21.5 | 3.2 | | |
| LOS | C | A | | |
| Approach Delay | 16.9 | | | |
| Approach LOS | B | | | |
| Queue Length 50th (m) | 94.6 | 0.6 | | |
| Queue Length 95th (m) | 140.4 | 16.2 | | |
| Internal Link Dist (m) | 240.5 | | | |
| Turn Bay Length (m) | | 75.0 | | |
| Base Capacity (vph) | 1952 | 968 | | |
| Starvation Cap Reductn | 0 | 0 | | |
| Spillback Cap Reductn | 0 | 0 | | |
| Storage Cap Reductn | 0 | 0 | | |
| Reduced v/c Ratio | 0.60 | 0.33 | | |
| Intersection Summary | | | | |

5: Dazé Street & South Keys SC
 BG 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 287 |
| Future Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 287 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 0.99 | 0.98 | | 1.00 | 0.98 | | 1.00 | 1.00 | | | 0.99 | 0.99 |
| Fr _t | | 0.852 | | | 0.885 | | | 0.988 | | | | 0.950 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1825 | 1608 | 0 | 1825 | 1673 | 0 | 1825 | 3564 | 0 | 0 | 1825 | 3404 |
| Fl _t Permitted | 0.746 | | | 0.389 | | | 0.445 | | | | 0.616 | |
| Satd. Flow (perm) | 1421 | 1608 | 0 | 745 | 1673 | 0 | 853 | 3564 | 0 | 0 | 1174 | 3404 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 221 | | | 13 | | | 12 | | | | 79 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 6 | | 3 | 3 | | 6 | 3 | | 5 | | 5 | |
| Confl. Bikes (#/hr) | | | 2 | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% |
| Adj. Flow (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 287 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 85 | 224 | 0 | 2 | 17 | 0 | 195 | 217 | 0 | 0 | 22 | 429 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | 1 | 6 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | | 10.0 | 10.0 | | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 |
| Minimum Split (s) | 28.1 | 28.1 | | 28.1 | 28.1 | | 10.9 | 32.9 | | 10.9 | 10.9 | 32.9 |
| Total Split (s) | 36.1 | 36.1 | | 36.1 | 36.1 | | 35.0 | 58.0 | | 15.9 | 15.9 | 38.9 |
| Total Split (%) | 32.8% | 32.8% | | 32.8% | 32.8% | | 31.8% | 52.7% | | 14.5% | 14.5% | 35.4% |
| Maximum Green (s) | 30.0 | 30.0 | | 30.0 | 30.0 | | 29.1 | 52.1 | | 10.0 | 10.0 | 33.0 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.1 | 6.1 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 11.4 | 11.4 | | 11.4 | 11.4 | | 56.2 | 52.6 | | | 48.3 | 42.5 |
| Actuated g/C Ratio | 0.14 | 0.14 | | 0.14 | 0.14 | | 0.70 | 0.65 | | | 0.60 | 0.53 |

5: Dazé Street & South Keys SC
 BG 2026 PM Phase 1 Build-out



| | |
|-------------------------|------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 142 |
| Future Volume (vph) | 142 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 3 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 142 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 BG 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.42 | 0.54 | | 0.02 | 0.07 | | 0.28 | 0.09 | | | 0.03 | 0.23 |
| Control Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.0 | 6.2 | | | 4.4 | 8.8 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.0 | 6.2 | | | 4.4 | 8.8 |
| LOS | D | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 18.6 | | | 21.0 | | | 5.6 | | | | 8.6 |
| Approach LOS | | B | | | C | | | A | | | | A |
| Queue Length 50th (m) | 11.1 | 0.4 | | 0.2 | 0.5 | | 7.4 | 3.8 | | | 0.8 | 13.0 |
| Queue Length 95th (m) | 27.1 | 19.3 | | 2.3 | 6.2 | | 16.3 | 12.9 | | | 2.9 | 24.6 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 535 | 743 | | 280 | 638 | | 958 | 2335 | | | 849 | 1836 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.16 | 0.30 | | 0.01 | 0.03 | | 0.20 | 0.09 | | | 0.03 | 0.23 |

Intersection Summary

Area Type: Other
 Cycle Length: 110
 Actuated Cycle Length: 80.4
 Natural Cycle: 75
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.54
 Intersection Signal Delay: 10.4
 Intersection LOS: B
 Intersection Capacity Utilization 62.8%
 ICU Level of Service B
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC

BG 2026 PM Phase 1 Build-out



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access BG 2026 PM Phase 1 Build-out

| Intersection | | | | | | |
|--------------------------|--------|--------|--------|------|------|------|
| Int Delay, s/veh | 0 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 432 | 553 | 0 |
| Future Vol, veh/h | 0 | 0 | 0 | 432 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 0 | 0 | 432 | 553 | 0 |
| Major/Minor | Minor2 | Major1 | Major2 | | | |
| Conflicting Flow All | - | 277 | - | 0 | - | 0 |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - | - |
| Pot Cap-1 Maneuver | 0 | 726 | 0 | - | - | - |
| Stage 1 | 0 | - | 0 | - | - | - |
| Stage 2 | 0 | - | 0 | - | - | - |
| Platoon blocked, % | | | | - | - | - |
| Mov Cap-1 Maneuver | - | 726 | - | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - | - |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Approach | EB | NB | SB | | | |
| HCM Control Delay, s | 0 | 0 | 0 | | | |
| HCM LOS | A | | | | | |
| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR | | |
| Capacity (veh/h) | - | - | - | - | | |
| HCM Lane V/C Ratio | - | - | - | - | | |
| HCM Control Delay (s) | - | 0 | - | - | | |
| HCM Lane LOS | - | A | - | - | | |
| HCM 95th %tile Q(veh) | - | - | - | - | | |

7: Dazé Street & Existing Access
 BG 2026 PM Phase 1 Build-out

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.5 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 26 | 31 | 432 | 553 | 0 |
| Future Vol, veh/h | 0 | 26 | 31 | 432 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 26 | 31 | 432 | 553 | 0 |

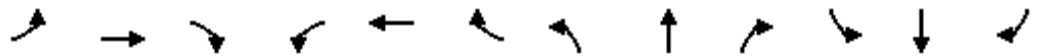
| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 277 | 553 | 0 | 0 |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 726 | 1027 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 726 | 1027 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|------|-----|----|
| HCM Control Delay, s | 10.1 | 0.6 | 0 |
| HCM LOS | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|------|-----|-------|-----|-----|
| Capacity (veh/h) | 1027 | - | 726 | - | - |
| HCM Lane V/C Ratio | 0.03 | - | 0.036 | - | - |
| HCM Control Delay (s) | 8.6 | - | 10.1 | - | - |
| HCM Lane LOS | A | - | B | - | - |
| HCM 95th %tile Q(veh) | 0.1 | - | 0.1 | - | - |

Future (2031) Background Traffic

1: Airport Parkway & Hunt Club Road
 BG 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 356 | 1115 | 25 | 67 | 986 | 619 | 16 | 0 | 85 | 259 | 0 | 152 |
| Future Volume (vph) | 356 | 1115 | 25 | 67 | 986 | 619 | 16 | 0 | 85 | 259 | 0 | 152 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 0.99 | | | | | | | |
| Frnt | | 0.997 | | | 0.942 | | | | 0.850 | | | 0.850 |
| Flt Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3436 | 0 | 1630 | 3185 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1806 | 3436 | 0 | 1628 | 3185 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 113 | | | | 164 | | | 152 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | | 80 |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | | 189.5 |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | | 8.5 |
| Confl. Peds. (#/hr) | 7 | | 2 | 2 | | 7 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | 1 | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 6% | 0% | 12% | 11% | 1% | 7% | 0% | 12% | 3% | 0% | 4% |
| Adj. Flow (vph) | 356 | 1115 | 25 | 67 | 986 | 619 | 16 | 0 | 85 | 259 | 0 | 152 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 356 | 1140 | 0 | 67 | 1605 | 0 | 16 | 0 | 85 | 259 | 0 | 152 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 12.4 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 32.0 | 50.0 | | 32.0 | 50.0 | | 18.0 | | 18.0 | 48.0 | | 48.0 |
| Total Split (%) | 24.6% | 38.5% | | 24.6% | 38.5% | | 13.8% | | 13.8% | 36.9% | | 36.9% |
| Maximum Green (s) | 24.6 | 42.7 | | 24.6 | 42.7 | | 10.2 | | 10.2 | 40.2 | | 40.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 35.4 | 84.4 | | 10.7 | 56.9 | | 15.2 | | 15.2 | 15.2 | | 15.2 |
| Actuated g/C Ratio | 0.27 | 0.65 | | 0.08 | 0.44 | | 0.12 | | 0.12 | 0.12 | | 0.12 |

1: Airport Parkway & Hunt Club Road
 BG 2031 AM Phase 1 Horizon Year

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

BG 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|-------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.72 | 0.51 | | 0.50 | 1.10 | | 0.08 | | 0.27 | 0.65 | | 0.48 |
| Control Delay | 52.3 | 14.6 | | 49.1 | 84.0 | | 50.3 | | 2.1 | 62.2 | | 12.8 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 52.3 | 14.6 | | 49.1 | 84.0 | | 50.3 | | 2.1 | 62.2 | | 12.8 |
| LOS | D | B | | D | F | | D | | A | E | | B |
| Approach Delay | | 23.6 | | | 82.6 | | | 9.7 | | | | 43.9 |
| Approach LOS | | C | | | F | | | A | | | | D |
| Queue Length 50th (m) | 83.5 | 80.1 | | 16.2 | ~227.2 | | 3.7 | | 0.0 | 33.1 | | 0.0 |
| Queue Length 95th (m) | 115.1 | 116.5 | | m22.1 | m#290.3 | | 10.4 | | 0.0 | 45.4 | | 18.9 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 492 | 2230 | | 308 | 1456 | | 199 | | 315 | 1062 | | 590 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.72 | 0.51 | | 0.22 | 1.10 | | 0.08 | | 0.27 | 0.24 | | 0.26 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 150

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.10

Intersection Signal Delay: 52.3

Intersection LOS: D

Intersection Capacity Utilization 94.2%

ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road



1: Airport Parkway & Hunt Club Road

BG 2031 AM Phase 1 Horizon Year

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2031 AM Phase 1 Horizon Year



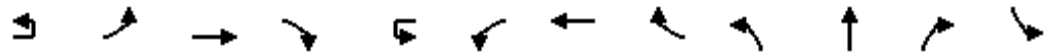
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↕↕↕ | | | ↔ | ↕↕ | ↔ | ↔↔ | ↕ | ↔ | ↔ |
| Traffic Volume (vph) | 19 | 163 | 1110 | 98 | 2 | 16 | 1218 | 75 | 200 | 108 | 67 | 30 |
| Future Volume (vph) | 19 | 163 | 1110 | 98 | 2 | 16 | 1218 | 75 | 200 | 108 | 67 | 30 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 0.99 | | 0.96 | 0.94 | | 0.99 | 1.00 |
| Fr _t | | | 0.988 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3478 | 4816 | 0 | 0 | 1515 | 3411 | 1601 | 3278 | 1902 | 1541 | 1772 |
| Fl _t Permitted | | 0.140 | | | | 0.833 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 510 | 4816 | 0 | 0 | 1319 | 3411 | 1543 | 3086 | 1902 | 1519 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 12 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 15 | | 18 | | 18 | | 15 | 32 | | 2 | 2 |
| Confl. Bikes (#/hr) | | | | 1 | | | | 2 | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% | 7% | 7% | 0% | 23% | 7% | 2% | 8% | 1% | 6% | 3% |
| Adj. Flow (vph) | 19 | 163 | 1110 | 98 | 2 | 16 | 1218 | 75 | 200 | 108 | 67 | 30 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 182 | 1208 | 0 | 0 | 18 | 1218 | 75 | 200 | 108 | 67 | 30 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 15.0 | 15.0 | 52.0 | | 15.0 | 15.0 | 52.0 | 52.0 | 22.0 | 41.0 | 41.0 | 22.0 |
| Total Split (%) | 11.5% | 11.5% | 40.0% | | 11.5% | 11.5% | 40.0% | 40.0% | 16.9% | 31.5% | 31.5% | 16.9% |
| Maximum Green (s) | 8.5 | 8.5 | 45.8 | | 8.5 | 8.5 | 45.8 | 45.8 | 15.5 | 34.0 | 34.0 | 15.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Min | | None | None | C-Min | C-Min | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 28.5 | 79.1 | | | 8.9 | 51.5 | 51.5 | 12.9 | 21.0 | 21.0 | 7.7 |
| Actuated g/C Ratio | | 0.22 | 0.61 | | | 0.07 | 0.40 | 0.40 | 0.10 | 0.16 | 0.16 | 0.06 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2031 AM Phase 1 Horizon Year



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 30 | 152 |
| Future Volume (vph) | 30 | 152 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.95 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1921 | 1601 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1921 | 1524 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 32 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% |
| Adj. Flow (vph) | 30 | 152 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 30 | 152 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 10.9 | 10.9 |
| Actuated g/C Ratio | 0.08 | 0.08 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2031 AM Phase 1 Horizon Year

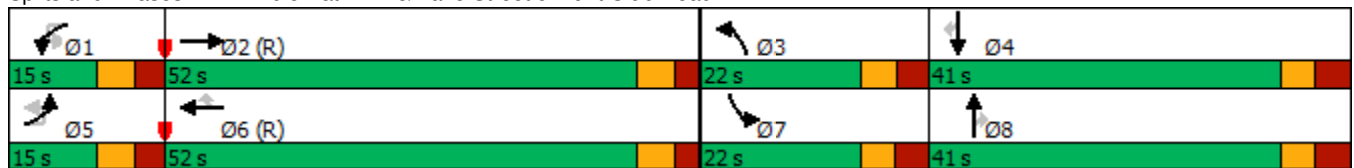


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|-------|-------|-----|-----|------|--------|------|------|-------|------|------|
| v/c Ratio | | 1.64 | 0.41 | | | 0.20 | 0.90 | 0.11 | 0.62 | 0.35 | 0.19 | 0.29 |
| Control Delay | | 357.5 | 11.3 | | | 60.6 | 46.9 | 0.3 | 64.3 | 53.6 | 1.1 | 64.7 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 357.5 | 11.3 | | | 60.6 | 46.9 | 0.3 | 64.3 | 53.6 | 1.1 | 64.7 |
| LOS | | F | B | | | E | D | A | E | D | A | E |
| Approach Delay | | | 56.6 | | | | 44.5 | | | 49.9 | | |
| Approach LOS | | | E | | | | D | | | D | | |
| Queue Length 50th (m) | | ~35.5 | 35.1 | | | 4.5 | 145.0 | 0.0 | 25.6 | 26.2 | 0.0 | 7.5 |
| Queue Length 95th (m) | | #61.3 | 49.5 | | | 12.1 | #204.2 | 0.0 | 37.5 | 43.3 | 0.0 | 17.2 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 111 | 2934 | | | 100 | 1351 | 698 | 390 | 497 | 498 | 209 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 1.64 | 0.41 | | | 0.18 | 0.90 | 0.11 | 0.51 | 0.22 | 0.13 | 0.14 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 135
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.64
 Intersection Signal Delay: 49.5
 Intersection LOS: D
 Intersection Capacity Utilization 89.2%
 ICU Level of Service E
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

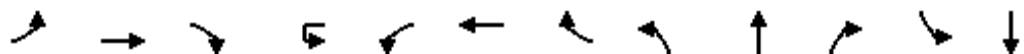


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2031 AM Phase 1 Horizon Year



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.19 | 0.60 |
| Control Delay | 57.6 | 22.1 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 57.6 | 22.1 |
| LOS | E | C |
| Approach Delay | 33.2 | |
| Approach LOS | C | |
| Queue Length 50th (m) | 7.3 | 3.7 |
| Queue Length 95th (m) | 16.6 | 24.1 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 502 | 499 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.06 | 0.30 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road BG 2031 AM Phase 1 Horizon Year

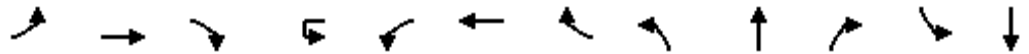


| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|-------------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 132 | 751 | 275 | 1 | 33 | 1000 | 200 | 298 | 980 | 23 | 88 | 335 |
| Future Volume (vph) | 132 | 751 | 275 | 1 | 33 | 1000 | 200 | 298 | 980 | 23 | 88 | 335 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Storage Lanes | 2 | | 1 | | 1 | | 1 | 2 | | 1 | 2 | |
| Taper Length (m) | 2.5 | | | | 2.5 | | | 2.5 | | | | 2.5 |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.97 | 0.95 |
| Ped Bike Factor | 0.99 | | 0.98 | | 1.00 | | 0.97 | 0.97 | | 0.96 | 0.99 | |
| Fr't | | | 0.850 | | | | 0.850 | | | 0.850 | | |
| Flt Protected | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 | |
| Satd. Flow (prot) | 3190 | 3380 | 1570 | 0 | 1725 | 3411 | 1617 | 3372 | 3544 | 1633 | 3471 | 3444 |
| Flt Permitted | 0.950 | | | | | | | 0.950 | | | 0.950 | |
| Satd. Flow (perm) | 3172 | 3380 | 1533 | 0 | 1809 | 3411 | 1572 | 3259 | 3544 | 1569 | 3433 | 3444 |
| Right Turn on Red | | | Yes | | | | Yes | | | Yes | | |
| Satd. Flow (RTOR) | | | 275 | | | | 279 | | | 216 | | |
| Link Speed (k/h) | | 60 | | | | 60 | | | 60 | | | 60 |
| Link Distance (m) | | 152.6 | | | | 161.6 | | | 179.7 | | | 141.8 |
| Travel Time (s) | | 9.2 | | | | 9.7 | | | 10.8 | | | 8.5 |
| Confl. Peds. (#/hr) | 10 | | 9 | | 9 | | 10 | 25 | | 20 | 20 | |
| Confl. Bikes (#/hr) | | | | | | | 3 | | | 3 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 11% | 8% | 4% | 0% | 6% | 7% | 1% | 5% | 3% | 0% | 2% | 6% |
| Adj. Flow (vph) | 132 | 751 | 275 | 1 | 33 | 1000 | 200 | 298 | 980 | 23 | 88 | 335 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 132 | 751 | 275 | 0 | 34 | 1000 | 200 | 298 | 980 | 23 | 88 | 335 |
| Turn Type | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | Prot | NA |
| Protected Phases | 7 | 4 | | | 3 | 8 | | 5 | 2 | | 1 | 6 |
| Permitted Phases | | | 4 | 3 | | | 8 | | | 2 | | |
| Detector Phase | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 |
| Minimum Split (s) | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 | 34.5 |
| Total Split (s) | 21.0 | 45.0 | 45.0 | 13.0 | 13.0 | 37.0 | 37.0 | 25.0 | 48.0 | 48.0 | 14.0 | 37.0 |
| Total Split (%) | 17.5% | 37.5% | 37.5% | 10.8% | 10.8% | 30.8% | 30.8% | 20.8% | 40.0% | 40.0% | 11.7% | 30.8% |
| Maximum Green (s) | 14.5 | 38.3 | 38.3 | 6.5 | 6.5 | 30.3 | 30.3 | 17.9 | 41.5 | 41.5 | 6.9 | 30.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | 7.1 | 6.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None | C-Max |
| Walk Time (s) | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | | 7.0 |
| Flash Dont Walk (s) | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | 0 |
| Act Effct Green (s) | 10.3 | 43.5 | 43.5 | | 6.4 | 34.5 | 34.5 | 15.4 | 41.6 | 41.6 | 6.8 | 33.0 |
| Actuated g/C Ratio | 0.09 | 0.36 | 0.36 | | 0.05 | 0.29 | 0.29 | 0.13 | 0.35 | 0.35 | 0.06 | 0.28 |

3: Bank Street & Hunt Club Road BG 2031 AM Phase 1 Horizon Year

| | |
|-------------------------|-------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 155 |
| Future Volume (vph) | 155 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 120.0 |
| Storage Lanes | 1 |
| Taper Length (m) | |
| Lane Util. Factor | 1.00 |
| Ped Bike Factor | 0.96 |
| Frt | 0.850 |
| Flt Protected | |
| Satd. Flow (prot) | 1458 |
| Flt Permitted | |
| Satd. Flow (perm) | 1395 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | 281 |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 25 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 12% |
| Adj. Flow (vph) | 155 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 155 |
| Turn Type | Perm |
| Protected Phases | |
| Permitted Phases | 6 |
| Detector Phase | 6 |
| Switch Phase | |
| Minimum Initial (s) | 10.0 |
| Minimum Split (s) | 34.5 |
| Total Split (s) | 37.0 |
| Total Split (%) | 30.8% |
| Maximum Green (s) | 30.5 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 2.8 |
| Lost Time Adjust (s) | 0.0 |
| Total Lost Time (s) | 6.5 |
| Lead/Lag | Lag |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | C-Max |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 21.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | 33.0 |
| Actuated g/C Ratio | 0.28 |

3: Bank Street & Hunt Club Road BG 2031 AM Phase 1 Horizon Year

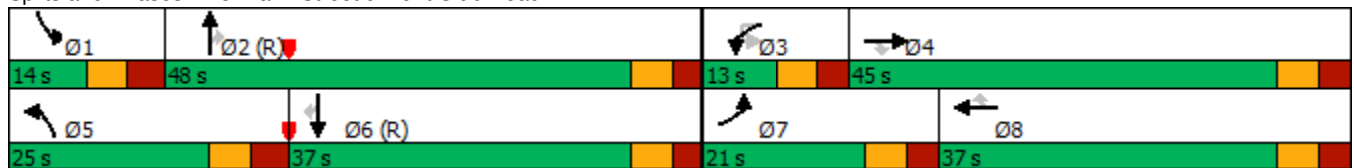


| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|------------------------|------|-------|------|-----|------|--------|-------|------|-------|------|------|-------|
| v/c Ratio | 0.48 | 0.61 | 0.38 | | 0.36 | 1.02 | 0.31 | 0.69 | 0.80 | 0.03 | 0.45 | 0.35 |
| Control Delay | 57.9 | 35.2 | 5.1 | | 65.5 | 76.6 | 1.9 | 58.6 | 41.3 | 0.1 | 66.7 | 28.6 |
| Queue Delay | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 57.9 | 35.2 | 5.1 | | 65.5 | 76.6 | 1.9 | 58.6 | 41.3 | 0.1 | 66.7 | 28.6 |
| LOS | E | D | A | | E | E | A | E | D | A | E | C |
| Approach Delay | | 30.6 | | | | 64.2 | | | 44.5 | | | 27.0 |
| Approach LOS | | C | | | | E | | | D | | | C |
| Queue Length 50th (m) | 15.5 | 81.2 | 0.0 | | 7.9 | ~131.4 | 0.0 | 34.9 | 109.1 | 0.0 | 10.9 | 22.6 |
| Queue Length 95th (m) | 24.8 | 102.9 | 18.4 | | 18.5 | #182.9 | 2.6 | 48.6 | 134.7 | 0.0 | 19.3 | 30.8 |
| Internal Link Dist (m) | | 128.6 | | | | 137.6 | | | 155.7 | | | 117.8 |
| Turn Bay Length (m) | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Base Capacity (vph) | 385 | 1224 | 730 | | 97 | 980 | 650 | 502 | 1229 | 685 | 199 | 947 |
| Starvation Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.34 | 0.61 | 0.38 | | 0.35 | 1.02 | 0.31 | 0.59 | 0.80 | 0.03 | 0.44 | 0.35 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 65 (54%), Referenced to phase 2:NBT and 6:SBT, Start of Green
 Natural Cycle: 95
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.02
 Intersection Signal Delay: 44.0 Intersection LOS: D
 Intersection Capacity Utilization 86.0% ICU Level of Service E
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road BG 2031 AM Phase 1 Horizon Year



| | |
|------------------------|-------|
| Lane Group | SBR |
| v/c Ratio | 0.26 |
| Control Delay | 1.2 |
| Queue Delay | 0.0 |
| Total Delay | 1.2 |
| LOS | A |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | 0.1 |
| Queue Length 95th (m) | 0.2 |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | 120.0 |
| Base Capacity (vph) | 587 |
| Starvation Cap Reductn | 0 |
| Spillback Cap Reductn | 0 |
| Storage Cap Reductn | 0 |
| Reduced v/c Ratio | 0.26 |
| Intersection Summary | |

4: Bank Street & Dazé Street/Cahill Drive
 BG 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| Lane Configurations | | ↕ | ↗ | | ↕ | ↗ | ↖ | ↕↗ | | | ↖ | ↕↗ |
| Traffic Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 974 | 51 | 3 | 17 | 421 |
| Future Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 974 | 51 | 3 | 17 | 421 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | 45.0 | | 0.0 | | 70.0 | |
| Storage Lanes | 0 | | 1 | 0 | | 1 | 1 | | 0 | | 1 | |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 0.97 | 0.97 | | 0.98 | 0.95 | 0.99 | 1.00 | | | | 1.00 |
| Frt | | | 0.850 | | | 0.850 | | 0.993 | | | | |
| Flt Protected | | 0.950 | | | 0.950 | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 0 | 1772 | 1570 | 0 | 1738 | 1585 | 1807 | 3421 | 0 | 0 | 1825 | 3349 |
| Flt Permitted | | 0.709 | | | 0.623 | | 0.462 | | | | 0.280 | |
| Satd. Flow (perm) | 0 | 1277 | 1521 | 0 | 1121 | 1505 | 874 | 3421 | 0 | 0 | 537 | 3349 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | | 105 | | | 148 | | 8 | | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | 60 | | | | 60 |
| Link Distance (m) | | 72.9 | | | 188.5 | | | 169.4 | | | | 264.5 |
| Travel Time (s) | | 5.2 | | | 13.6 | | | 10.2 | | | | 15.9 |
| Confl. Peds. (#/hr) | 19 | | 10 | 10 | | 19 | 6 | | 3 | | | 3 |
| Confl. Bikes (#/hr) | | | | | | 2 | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 3% | 0% | 4% | 5% | 0% | 3% | 1% | 6% | 2% | 0% | 0% | 9% |
| Adj. Flow (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 974 | 51 | 3 | 17 | 421 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 122 | 33 | 0 | 73 | 148 | 90 | 1025 | 0 | 0 | 20 | 421 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | pm+pt | NA | | Perm | Perm | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 6 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | | 6 | 6 | |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 2 | | 6 | 6 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 10.0 | | 10.0 | 10.0 | 10.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 34.3 | | 34.3 | 34.3 | 34.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 14.0 | 78.0 | | 64.0 | 64.0 | 64.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 11.7% | 65.0% | | 53.3% | 53.3% | 53.3% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 7.7 | 71.7 | | 57.7 | 57.7 | 57.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | 6.3 | 6.3 | | | 6.3 | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | | | Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | C-Max | | C-Max | C-Max | C-Max |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | 7.0 | | 7.0 | 7.0 | 7.0 |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | 11.0 | | 11.0 | 11.0 | 11.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| Act Effct Green (s) | | 16.9 | 16.9 | | 16.9 | 16.9 | 85.7 | 85.7 | | | 72.0 | 72.0 |
| Actuated g/C Ratio | | 0.14 | 0.14 | | 0.14 | 0.14 | 0.71 | 0.71 | | | 0.60 | 0.60 |

4: Bank Street & Dazé Street/Cahill Drive
 BG 2031 AM Phase 1 Horizon Year

| Lane Group | SBR | Ø3 | Ø7 |
|-------------------------|-------|------|------|
| Lane Configurations | | | |
| Traffic Volume (vph) | 117 | | |
| Future Volume (vph) | 117 | | |
| Ideal Flow (vphpl) | 1900 | | |
| Storage Length (m) | 75.0 | | |
| Storage Lanes | 0 | | |
| Taper Length (m) | | | |
| Lane Util. Factor | 1.00 | | |
| Ped Bike Factor | 0.98 | | |
| Frt | 0.850 | | |
| Flt Protected | | | |
| Satd. Flow (prot) | 1498 | | |
| Flt Permitted | | | |
| Satd. Flow (perm) | 1463 | | |
| Right Turn on Red | Yes | | |
| Satd. Flow (RTOR) | 117 | | |
| Link Speed (k/h) | | | |
| Link Distance (m) | | | |
| Travel Time (s) | | | |
| Confl. Peds. (#/hr) | 6 | | |
| Confl. Bikes (#/hr) | | | |
| Peak Hour Factor | 1.00 | | |
| Heavy Vehicles (%) | 9% | | |
| Adj. Flow (vph) | 117 | | |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 117 | | |
| Turn Type | Perm | | |
| Protected Phases | | 3 | 7 |
| Permitted Phases | 6 | | |
| Detector Phase | 6 | | |
| Switch Phase | | | |
| Minimum Initial (s) | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 64.0 | 5.0 | 5.0 |
| Total Split (%) | 53.3% | 4% | 4% |
| Maximum Green (s) | 57.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | | |
| Total Lost Time (s) | 6.3 | | |
| Lead/Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | Max | Max |
| Walk Time (s) | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | | |
| Act Effct Green (s) | 72.0 | | |
| Actuated g/C Ratio | 0.60 | | |

4: Bank Street & Dazé Street/Cahill Drive
 BG 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|-----|------|------|-----|-------|------|------|-------|-----|-----|------|-------|
| v/c Ratio | | 0.68 | 0.11 | | 0.46 | 0.44 | 0.13 | 0.42 | | | 0.06 | 0.21 |
| Control Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.5 | 5.7 | | | 13.1 | 12.2 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.5 | 5.7 | | | 13.1 | 12.2 |
| LOS | | E | A | | E | B | A | A | | | B | B |
| Approach Delay | | 52.9 | | | 25.6 | | | 5.7 | | | | 10.3 |
| Approach LOS | | D | | | C | | | A | | | | B |
| Queue Length 50th (m) | | 27.7 | 0.0 | | 16.0 | 0.0 | 4.0 | 24.6 | | | 1.8 | 22.3 |
| Queue Length 95th (m) | | 45.1 | 0.0 | | 29.2 | 16.9 | m7.8 | 40.4 | | | 6.5 | 36.9 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | 145.4 | | | | 240.5 |
| Turn Bay Length (m) | | | | | | 40.0 | 45.0 | | | | 70.0 | |
| Base Capacity (vph) | | 328 | 469 | | 288 | 497 | 687 | 2445 | | | 322 | 2009 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | | 0.37 | 0.07 | | 0.25 | 0.30 | 0.13 | 0.42 | | | 0.06 | 0.21 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 57 (48%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.68
 Intersection Signal Delay: 12.6
 Intersection LOS: B
 Intersection Capacity Utilization 80.7%
 ICU Level of Service D
 Analysis Period (min) 15

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive BG 2031 AM Phase 1 Horizon Year



| Lane Group | SBR | Ø3 | Ø7 |
|------------------------|------|----|----|
| v/c Ratio | 0.13 | | |
| Control Delay | 2.8 | | |
| Queue Delay | 0.0 | | |
| Total Delay | 2.8 | | |
| LOS | A | | |
| Approach Delay | | | |
| Approach LOS | | | |
| Queue Length 50th (m) | 0.0 | | |
| Queue Length 95th (m) | 8.7 | | |
| Internal Link Dist (m) | | | |
| Turn Bay Length (m) | 75.0 | | |
| Base Capacity (vph) | 924 | | |
| Starvation Cap Reductn | 0 | | |
| Spillback Cap Reductn | 0 | | |
| Storage Cap Reductn | 0 | | |
| Reduced v/c Ratio | 0.13 | | |
| Intersection Summary | | | |

5: Dazé Street & South Keys SC
 BG 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 154 |
| Future Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 154 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 1.00 | 0.99 | | 1.00 | 0.99 | | | 1.00 | | | | |
| Fr _t | | 0.852 | | | 0.883 | | | 0.998 | | | | 0.945 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1722 | 1566 | 0 | 1521 | 1678 | 0 | 1807 | 3571 | 0 | 0 | 1825 | 3373 |
| Fl _t Permitted | 0.752 | | | 0.702 | | | 0.546 | | | | 0.605 | |
| Satd. Flow (perm) | 1360 | 1566 | 0 | 1123 | 1678 | 0 | 1039 | 3571 | 0 | 0 | 1162 | 3373 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 83 | | | 7 | | | 2 | | | | 90 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 2 | | 1 | 1 | | 2 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 6% | 100% | 2% | 20% | 0% | 0% | 1% | 2% | 0% | 0% | 0% | 3% |
| Adj. Flow (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 154 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 35 | 84 | 0 | 5 | 9 | 0 | 115 | 236 | 0 | 0 | 6 | 244 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 1 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | | 5.0 | 5.0 | | 1.4 | 5.0 | | 1.4 | 1.4 | 5.0 |
| Minimum Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 7.3 | 32.9 | | 7.3 | 7.3 | 32.9 |
| Total Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 12.0 | 35.0 | | 12.0 | 12.0 | 35.0 |
| Total Split (%) | 37.3% | 37.3% | | 37.4% | 37.4% | | 16.0% | 46.6% | | 16.0% | 16.0% | 46.6% |
| Maximum Green (s) | 22.0 | 22.0 | | 22.0 | 22.0 | | 6.1 | 29.1 | | 6.1 | 6.1 | 29.1 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.7 | 2.7 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.0 | 6.0 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 7.1 | 7.1 | | 7.0 | 7.0 | | 41.0 | 41.2 | | | 37.1 | 34.2 |
| Actuated g/C Ratio | 0.12 | 0.12 | | 0.12 | 0.12 | | 0.70 | 0.71 | | | 0.64 | 0.59 |

5: Dazé Street & South Keys SC
 BG 2031 AM Phase 1 Horizon Year

| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 90 |
| Future Volume (vph) | 90 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 90 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 BG 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.21 | 0.32 | | 0.04 | 0.04 | | 0.14 | 0.09 | | | 0.01 | 0.12 |
| Control Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| LOS | C | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 15.3 | | | 19.1 | | | 4.8 | | | | 5.8 |
| Approach LOS | | B | | | B | | | A | | | | A |
| Queue Length 50th (m) | 3.6 | 0.1 | | 0.5 | 0.2 | | 3.3 | 3.5 | | | 0.2 | 4.4 |
| Queue Length 95th (m) | 10.5 | 10.2 | | 3.1 | 3.6 | | 8.2 | 12.8 | | | 1.1 | 10.1 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 517 | 647 | | 425 | 640 | | 810 | 2521 | | | 815 | 2009 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.07 | 0.13 | | 0.01 | 0.01 | | 0.14 | 0.09 | | | 0.01 | 0.12 |

Intersection Summary

Area Type: Other
 Cycle Length: 75.1
 Actuated Cycle Length: 58.4
 Natural Cycle: 70
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.32
 Intersection Signal Delay: 7.1
 Intersection LOS: A
 Intersection Capacity Utilization 37.3%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC
BG 2031 AM Phase 1 Horizon Year



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access
 BG 2031 AM Phase 1 Horizon Year

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 351 | 242 | 0 |
| Future Vol, veh/h | 0 | 0 | 0 | 351 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 0 | 0 | 351 | 242 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 |
|----------------------|--------|--------|--------|
| Conflicting Flow All | - | 121 | 0 |
| Stage 1 | - | - | - |
| Stage 2 | - | - | - |
| Critical Hdwy | - | 6.9 | - |
| Critical Hdwy Stg 1 | - | - | - |
| Critical Hdwy Stg 2 | - | - | - |
| Follow-up Hdwy | - | 3.3 | - |
| Pot Cap-1 Maneuver | 0 | 914 | 0 |
| Stage 1 | 0 | - | 0 |
| Stage 2 | 0 | - | 0 |
| Platoon blocked, % | | | - |
| Mov Cap-1 Maneuver | - | 914 | - |
| Mov Cap-2 Maneuver | - | - | - |
| Stage 1 | - | - | - |
| Stage 2 | - | - | - |

| Approach | EB | NB | SB |
|----------------------|----|----|----|
| HCM Control Delay, s | 0 | 0 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR |
|-----------------------|-----|-------|-----|-----|
| Capacity (veh/h) | - | - | - | - |
| HCM Lane V/C Ratio | - | - | - | - |
| HCM Control Delay (s) | - | 0 | - | - |
| HCM Lane LOS | - | A | - | - |
| HCM 95th %tile Q(veh) | - | - | - | - |

7: Dazé Street & Existing Access
 BG 2031 AM Phase 1 Horizon Year

Intersection

Int Delay, s/veh 0.1

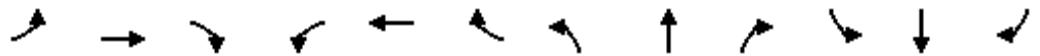
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 6 | 6 | 351 | 242 | 0 |
| Future Vol, veh/h | 0 | 6 | 6 | 351 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 6 | 6 | 351 | 242 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 121 | 242 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 914 | 1336 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 914 | 1336 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|----|-----|----|
| HCM Control Delay, s | 9 | 0.1 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|-------|-----|-------|-----|-----|
| Capacity (veh/h) | 1336 | - | 914 | - | - |
| HCM Lane V/C Ratio | 0.004 | - | 0.007 | - | - |
| HCM Control Delay (s) | 7.7 | - | 9 | - | - |
| HCM Lane LOS | A | - | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | 0 | - | - |

1: Airport Parkway & Hunt Club Road
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 179 | 1362 | 33 | 81 | 1327 | 342 | 16 | 0 | 141 | 608 | 0 | 288 |
| Future Volume (vph) | 179 | 1362 | 33 | 81 | 1327 | 342 | 16 | 0 | 141 | 608 | 0 | 288 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 1.00 | | 0.99 | | | | | 0.99 |
| Frnt | | 0.996 | | | 0.969 | | | | 0.850 | | | 0.850 |
| Flt Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3464 | 0 | 1615 | 3425 | 0 | 1706 | 0 | 1570 | 3506 | 0 | 1617 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1805 | 3464 | 0 | 1613 | 3425 | 0 | 1688 | 0 | 1570 | 3506 | 0 | 1593 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 27 | | | | 164 | | | 288 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | 80 | |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | 189.5 | |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | 8.5 | |
| Confl. Peds. (#/hr) | 11 | | 5 | 5 | | 11 | 3 | | | | | 3 |
| Confl. Bikes (#/hr) | | | 1 | | | | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 5% | 0% | 13% | 3% | 2% | 7% | 0% | 4% | 1% | 0% | 1% |
| Adj. Flow (vph) | 179 | 1362 | 33 | 81 | 1327 | 342 | 16 | 0 | 141 | 608 | 0 | 288 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 179 | 1395 | 0 | 81 | 1669 | 0 | 16 | 0 | 141 | 608 | 0 | 288 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 17.2 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 28.0 | 53.0 | | 28.0 | 53.0 | | 19.0 | | 19.0 | 49.0 | | 49.0 |
| Total Split (%) | 21.5% | 40.8% | | 21.5% | 40.8% | | 14.6% | | 14.6% | 37.7% | | 37.7% |
| Maximum Green (s) | 20.6 | 45.7 | | 20.6 | 45.7 | | 11.2 | | 11.2 | 41.2 | | 41.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 18.0 | 69.7 | | 11.8 | 60.6 | | 28.8 | | 28.8 | 28.8 | | 28.8 |
| Actuated g/C Ratio | 0.14 | 0.54 | | 0.09 | 0.47 | | 0.22 | | 0.22 | 0.22 | | 0.22 |

1: Airport Parkway & Hunt Club Road
 BG 2031 PM Phase 1 Horizon Year

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

BG 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|--------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.72 | 0.75 | | 0.55 | 1.04 | | 0.04 | | 0.30 | 0.78 | | 0.50 |
| Control Delay | 68.8 | 29.2 | | 54.7 | 57.8 | | 37.4 | | 5.0 | 54.9 | | 7.3 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 68.8 | 29.2 | | 54.7 | 57.8 | | 37.4 | | 5.0 | 54.9 | | 7.3 |
| LOS | E | C | | D | E | | D | | A | D | | A |
| Approach Delay | | 33.7 | | | 57.7 | | | 8.3 | | | | 39.6 |
| Approach LOS | | C | | | E | | | A | | | | D |
| Queue Length 50th (m) | 44.4 | 148.2 | | 20.6 | ~233.0 | | 3.3 | | 0.0 | 76.1 | | 0.0 |
| Queue Length 95th (m) | 65.7 | #227.0 | | m23.4 | m#280.1 | | 8.8 | | 10.9 | 90.1 | | 20.9 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 296 | 1858 | | 255 | 1612 | | 374 | | 475 | 1111 | | 701 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.60 | 0.75 | | 0.32 | 1.04 | | 0.04 | | 0.30 | 0.55 | | 0.41 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 145

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.04

Intersection Signal Delay: 43.6

Intersection LOS: D

Intersection Capacity Utilization 93.8%

ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road



1: Airport Parkway & Hunt Club Road

BG 2031 PM Phase 1 Horizon Year

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2031 PM Phase 1 Horizon Year



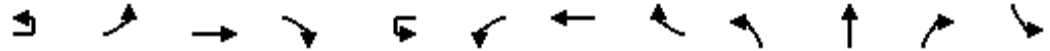
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↔↔↔ | | | ↔ | ↔↔ | ↔ | ↔↔ | ↔ | ↔ | ↔ |
| Traffic Volume (vph) | 33 | 268 | 1461 | 244 | 28 | 37 | 1329 | 88 | 141 | 107 | 75 | 101 |
| Future Volume (vph) | 33 | 268 | 1461 | 244 | 28 | 37 | 1329 | 88 | 141 | 107 | 75 | 101 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 1.00 | | 0.93 | 0.93 | | 0.96 | 0.98 |
| Fr _t | | | 0.979 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3509 | 4831 | 0 | 0 | 1825 | 3544 | 1617 | 3404 | 1921 | 1617 | 1807 |
| Fl _t Permitted | | 0.169 | | | | 0.203 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 617 | 4831 | 0 | 0 | 388 | 3544 | 1511 | 3176 | 1921 | 1556 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 28 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 35 | | 25 | | 25 | | 35 | 44 | | 22 | 22 |
| Confl. Bikes (#/hr) | | | | 1 | | | | | | | 1 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 1% | 5% | 5% | 0% | 0% | 3% | 1% | 4% | 0% | 1% | 1% |
| Adj. Flow (vph) | 33 | 268 | 1461 | 244 | 28 | 37 | 1329 | 88 | 141 | 107 | 75 | 101 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 301 | 1705 | 0 | 0 | 65 | 1329 | 88 | 141 | 107 | 75 | 101 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 18.0 | 18.0 | 54.0 | | 18.0 | 18.0 | 54.0 | 54.0 | 17.0 | 41.0 | 41.0 | 17.0 |
| Total Split (%) | 13.8% | 13.8% | 41.5% | | 13.8% | 13.8% | 41.5% | 41.5% | 13.1% | 31.5% | 31.5% | 13.1% |
| Maximum Green (s) | 11.5 | 11.5 | 47.8 | | 11.5 | 11.5 | 47.8 | 47.8 | 10.5 | 34.0 | 34.0 | 10.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Max | | None | None | C-Max | C-Max | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 23.6 | 51.7 | | | 19.7 | 47.8 | 47.8 | 9.7 | 22.3 | 22.3 | 10.0 |
| Actuated g/C Ratio | | 0.18 | 0.40 | | | 0.15 | 0.37 | 0.37 | 0.07 | 0.17 | 0.17 | 0.08 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 162 | 316 |
| Future Volume (vph) | 162 | 316 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.94 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1902 | 1617 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1902 | 1517 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 44 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 1% |
| Adj. Flow (vph) | 162 | 316 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 162 | 316 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 22.6 | 22.6 |
| Actuated g/C Ratio | 0.17 | 0.17 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2031 PM Phase 1 Horizon Year

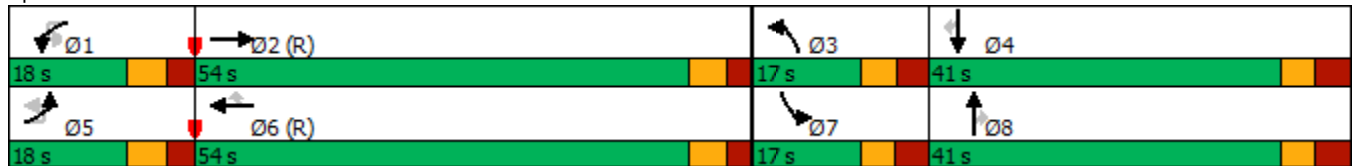


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|---------|--------|-----|-----|-------|--------|------|------|-------|------|-------|
| v/c Ratio | | 2.69 | 0.88 | | | 1.12 | 1.02 | 0.14 | 0.56 | 0.33 | 0.20 | 0.73 |
| Control Delay | | 802.0 | 37.6 | | | 203.9 | 70.7 | 0.9 | 66.5 | 47.3 | 1.2 | 87.8 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 802.0 | 37.6 | | | 203.9 | 70.7 | 0.9 | 66.5 | 47.3 | 1.2 | 87.8 |
| LOS | | F | D | | | F | E | A | E | D | A | F |
| Approach Delay | | | 152.3 | | | | 72.4 | | | 45.0 | | |
| Approach LOS | | | F | | | | E | | | D | | |
| Queue Length 50th (m) | | ~70.0 | 147.9 | | | 16.8 | ~189.7 | 0.0 | 18.1 | 24.2 | 0.0 | 25.6 |
| Queue Length 95th (m) | | m#106.1 | #182.2 | | | #55.8 | #232.3 | 1.5 | 29.0 | 37.1 | 0.0 | #51.5 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 112 | 1939 | | | 58 | 1303 | 646 | 274 | 502 | 508 | 144 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 2.69 | 0.88 | | | 1.12 | 1.02 | 0.14 | 0.51 | 0.21 | 0.15 | 0.70 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 125
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 2.69
 Intersection Signal Delay: 104.7 Intersection LOS: F
 Intersection Capacity Utilization 98.5% ICU Level of Service F
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

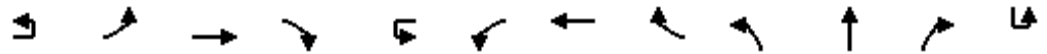


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.49 | 0.84 |
| Control Delay | 51.6 | 47.5 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 51.6 | 47.5 |
| LOS | D | D |
| Approach Delay | 55.7 | |
| Approach LOS | E | |
| Queue Length 50th (m) | 37.7 | 46.0 |
| Queue Length 95th (m) | 53.4 | 72.9 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 497 | 497 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.33 | 0.64 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road
 BG 2031 PM Phase 1 Horizon Year



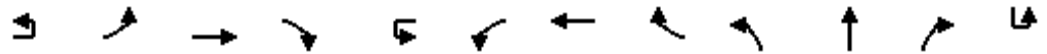
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|---------------------------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| Lane Configurations | | ↕↕ | ↕↕ | ↕ | | ↕ | ↕↕ | ↕ | ↕↕ | ↕↕ | ↕ | |
| Traffic Volume (vph) | 4 | 160 | 951 | 378 | 1 | 49 | 854 | 188 | 344 | 545 | 58 | 1 |
| Future Volume (vph) | 4 | 160 | 951 | 378 | 1 | 49 | 854 | 188 | 344 | 545 | 58 | 1 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | |
| Storage Lanes | | 2 | | 1 | | 1 | | 1 | 2 | | 1 | |
| Taper Length (m) | | 2.5 | | | | 2.5 | | | 2.5 | | | |
| Lane Util. Factor | 0.95 | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 1.00 | | 0.96 | | 0.99 | | 0.98 | 0.97 | | 0.96 | |
| Fr _t | | | | 0.850 | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | |
| Satd. Flow (prot) | 0 | 3314 | 3510 | 1601 | 0 | 1756 | 3579 | 1617 | 3506 | 3579 | 1601 | 0 |
| Fl _t Permitted | | 0.381 | | | | 0.667 | | | 0.950 | | | |
| Satd. Flow (perm) | 0 | 1326 | 3510 | 1532 | 0 | 1225 | 3579 | 1583 | 3403 | 3579 | 1535 | 0 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | | 277 | | | | 188 | | | 157 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 60 | | |
| Link Distance (m) | | | 152.6 | | | | 161.6 | | | 179.7 | | |
| Travel Time (s) | | | 9.2 | | | | 9.7 | | | 10.8 | | |
| Confl. Peds. (#/hr) | | 4 | | 21 | | 21 | | 4 | 55 | | 22 | |
| Confl. Bikes (#/hr) | | | | 5 | | | | 4 | | | 2 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 7% | 4% | 2% | 0% | 4% | 2% | 1% | 1% | 2% | 2% | 0% |
| Adj. Flow (vph) | 4 | 160 | 951 | 378 | 1 | 49 | 854 | 188 | 344 | 545 | 58 | 1 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 164 | 951 | 378 | 0 | 50 | 854 | 188 | 344 | 545 | 58 | 0 |
| Turn Type | custom | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | custom |
| Protected Phases | | 7 | 4 | | | 3 | 8 | | 5 | 2 | | |
| Permitted Phases | 7 | | | 4 | 3 | | | 8 | | | 2 | 1 |
| Detector Phase | 7 | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 |
| Total Split (s) | 17.0 | 17.0 | 41.0 | 41.0 | 14.0 | 14.0 | 38.0 | 38.0 | 19.0 | 46.0 | 46.0 | 19.0 |
| Total Split (%) | 14.2% | 14.2% | 34.2% | 34.2% | 11.7% | 11.7% | 31.7% | 31.7% | 15.8% | 38.3% | 38.3% | 15.8% |
| Maximum Green (s) | 10.5 | 10.5 | 34.3 | 34.3 | 7.5 | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | 11.9 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | |
| Lead/Lag | Lead | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None |
| Walk Time (s) | | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | |
| Pedestrian Calls (#/hr) | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 10.5 | 37.1 | 37.1 | | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | |
| Actuated g/C Ratio | | 0.09 | 0.31 | 0.31 | | 0.06 | 0.26 | 0.26 | 0.10 | 0.33 | 0.33 | |

3: Bank Street & Hunt Club Road BG 2031 PM Phase 1 Horizon Year



| Lane Group | SBL | SBT | SBR |
|-------------------------|-------|-------|-------|
| Lane Configurations | ↔↔ | ↑↑ | ↔ |
| Traffic Volume (vph) | 234 | 1005 | 232 |
| Future Volume (vph) | 234 | 1005 | 232 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 |
| Storage Length (m) | 30.0 | | 120.0 |
| Storage Lanes | 2 | | 1 |
| Taper Length (m) | 2.5 | | |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 |
| Ped Bike Factor | 0.98 | | 0.92 |
| Frt | | | 0.850 |
| Flt Protected | 0.950 | | |
| Satd. Flow (prot) | 3506 | 3579 | 1555 |
| Flt Permitted | 0.336 | | |
| Satd. Flow (perm) | 1218 | 3579 | 1425 |
| Right Turn on Red | | | Yes |
| Satd. Flow (RTOR) | | | 157 |
| Link Speed (k/h) | | 60 | |
| Link Distance (m) | | 141.8 | |
| Travel Time (s) | | 8.5 | |
| Confl. Peds. (#/hr) | 22 | | 55 |
| Confl. Bikes (#/hr) | | | 4 |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 2% | 5% |
| Adj. Flow (vph) | 234 | 1005 | 232 |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 235 | 1005 | 232 |
| Turn Type | Prot | NA | Perm |
| Protected Phases | 1 | 6 | |
| Permitted Phases | | | 6 |
| Detector Phase | 1 | 6 | 6 |
| Switch Phase | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 |
| Minimum Split (s) | 12.1 | 34.5 | 34.5 |
| Total Split (s) | 19.0 | 46.0 | 46.0 |
| Total Split (%) | 15.8% | 38.3% | 38.3% |
| Maximum Green (s) | 11.9 | 39.5 | 39.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 3.4 | 2.8 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 7.1 | 6.5 | 6.5 |
| Lead/Lag | Lead | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | C-Max | C-Max |
| Walk Time (s) | | 7.0 | 7.0 |
| Flash Dont Walk (s) | | 21.0 | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 |
| Act Effct Green (s) | 11.9 | 39.5 | 39.5 |
| Actuated g/C Ratio | 0.10 | 0.33 | 0.33 |

3: Bank Street & Hunt Club Road BG 2031 PM Phase 1 Horizon Year

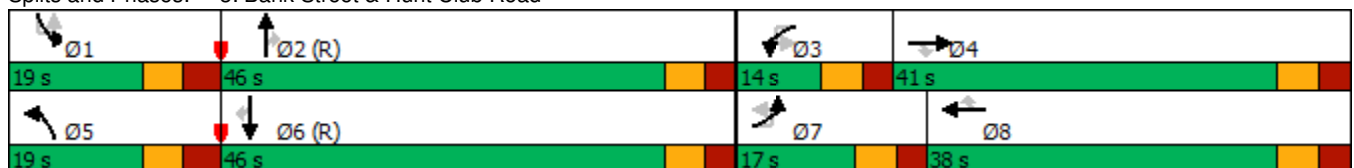


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|------------------------|-----|-------|--------|------|-----|-------|--------|-------|-------|-------|------|------|
| v/c Ratio | | 1.41 | 0.88 | 0.57 | | 0.66 | 0.92 | 0.34 | 0.99 | 0.46 | 0.10 | |
| Control Delay | | 269.1 | 50.5 | 13.7 | | 92.7 | 58.4 | 6.7 | 100.4 | 33.4 | 0.3 | |
| Queue Delay | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | | 269.1 | 50.5 | 13.7 | | 92.7 | 58.4 | 6.7 | 100.4 | 33.4 | 0.3 | |
| LOS | | F | D | B | | F | E | A | F | C | A | |
| Approach Delay | | | 65.2 | | | | 51.1 | | | 55.7 | | |
| Approach LOS | | | E | | | | D | | | E | | |
| Queue Length 50th (m) | | ~26.7 | 115.5 | 18.2 | | 11.7 | 103.0 | 0.0 | 42.3 | 53.2 | 0.0 | |
| Queue Length 95th (m) | | #48.7 | #155.8 | 49.9 | | #31.7 | #138.7 | 17.3 | #72.2 | 69.4 | 0.0 | |
| Internal Link Dist (m) | | | 128.6 | | | | 137.6 | | | 155.7 | | |
| Turn Bay Length (m) | | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | | 60.0 |
| Base Capacity (vph) | | 116 | 1085 | 664 | | 76 | 933 | 551 | 347 | 1178 | 610 | |
| Starvation Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spillback Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Storage Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Reduced v/c Ratio | | 1.41 | 0.88 | 0.57 | | 0.66 | 0.92 | 0.34 | 0.99 | 0.46 | 0.10 | |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 23 (19%), Referenced to phase 2:NBT and 6:SBT, Start of Green
 Natural Cycle: 105
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.96
 Intersection Signal Delay: 72.1
 Intersection LOS: E
 Intersection Capacity Utilization 90.4%
 ICU Level of Service E
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | SBL | SBT | SBR |
|-----------------------------|-------|-------|-------|
| v/c Ratio | 1.96 | 0.85 | 0.40 |
| Control Delay | 488.9 | 37.1 | 11.3 |
| Queue Delay | 0.0 | 0.0 | 0.0 |
| Total Delay | 488.9 | 37.1 | 11.3 |
| LOS | F | D | B |
| Approach Delay | | 105.2 | |
| Approach LOS | | F | |
| Queue Length 50th (m) | ~45.5 | 51.6 | 3.6 |
| Queue Length 95th (m) | #71.8 | 98.3 | 28.2 |
| Internal Link Dist (m) | | 117.8 | |
| Turn Bay Length (m) | 30.0 | | 120.0 |
| Base Capacity (vph) | 120 | 1178 | 574 |
| Starvation Cap Reductn | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 |
| Reduced v/c Ratio | 1.96 | 0.85 | 0.40 |
| Intersection Summary | | | |

4: Bank Street & Dazé Street/Cahill Drive
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|---------------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|--------|-------|
| Lane Configurations | | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↗ | | | ↖ |
| Traffic Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 666 | 92 | 4 | 146 |
| Future Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 666 | 92 | 4 | 146 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | | 45.0 | | 0.0 | | 70.0 |
| Storage Lanes | 0 | | 1 | 0 | | 1 | | 1 | | 0 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | | 7.6 | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 |
| Ped Bike Factor | | 0.92 | 0.95 | | 0.97 | 0.90 | | | 0.99 | | | 0.99 |
| Fr _t | | | 0.850 | | | 0.850 | | | 0.982 | | | |
| Fl _t Protected | | 0.953 | | | 0.950 | | | 0.950 | | | | 0.950 |
| Satd. Flow (prot) | 0 | 1813 | 1617 | 0 | 1659 | 1633 | 0 | 1825 | 3483 | 0 | 0 | 1807 |
| Fl _t Permitted | | 0.668 | | | 0.548 | | | 0.150 | | | | 0.314 |
| Satd. Flow (perm) | 0 | 1172 | 1535 | 0 | 932 | 1471 | 0 | 288 | 3483 | 0 | 0 | 589 |
| Right Turn on Red | | | Yes | | | Yes | | | | Yes | | |
| Satd. Flow (RTOR) | | | 132 | | | 105 | | | 17 | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | | 60 | | | |
| Link Distance (m) | | 72.9 | | | 188.5 | | | | 169.4 | | | |
| Travel Time (s) | | 5.2 | | | 13.6 | | | | 10.2 | | | |
| Confl. Peds. (#/hr) | 44 | | 18 | 18 | | 44 | | 30 | | 19 | | 19 |
| Confl. Bikes (#/hr) | | | 4 | | | 1 | | | | 2 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 0% | 1% | 10% | 0% | 0% | 0% | 0% | 2% | 1% | 0% | 1% |
| Adj. Flow (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 666 | 92 | 4 | 146 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 161 | 132 | 0 | 82 | 101 | 0 | 160 | 758 | 0 | 0 | 150 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | custom | pm+pt | NA | | custom | pm+pt |
| Protected Phases | | 4 | | | 8 | | | 5 | 2 | | | 1 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 5 | 2 | | | 1 | 6 |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 5 | 2 | | 1 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 11.3 | 34.3 | | 11.3 | 11.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 17.0 | 17.0 | 61.0 | | 17.0 | 17.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 14.2% | 14.2% | 50.8% | | 14.2% | 14.2% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 10.7 | 10.7 | 54.7 | | 10.7 | 10.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | 2.6 | | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | | 6.3 | 6.3 | | | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | Lead | Lag | | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | None | C-Max | | None | None |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | | 7.0 | | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | | 11.0 | | | |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | |
| Act Effct Green (s) | | 21.7 | 21.7 | | 21.7 | 21.7 | | 74.8 | 65.6 | | | 74.4 |
| Actuated g/C Ratio | | 0.18 | 0.18 | | 0.18 | 0.18 | | 0.62 | 0.55 | | | 0.62 |

4: Bank Street & Dazé Street/Cahill Drive
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|---------------------------|-------|-------|------|------|
| Lane Configurations | ↑↑ | ↑ | | |
| Traffic Volume (vph) | 1202 | 318 | | |
| Future Volume (vph) | 1202 | 318 | | |
| Ideal Flow (vphpl) | 1900 | 1900 | | |
| Storage Length (m) | | 75.0 | | |
| Storage Lanes | | 0 | | |
| Taper Length (m) | | | | |
| Lane Util. Factor | 0.95 | 1.00 | | |
| Ped Bike Factor | | 0.93 | | |
| Fr _t | | 0.850 | | |
| Fl _t Protected | | | | |
| Satd. Flow (prot) | 3579 | 1633 | | |
| Fl _t Permitted | | | | |
| Satd. Flow (perm) | 3579 | 1514 | | |
| Right Turn on Red | | Yes | | |
| Satd. Flow (RTOR) | | 305 | | |
| Link Speed (k/h) | 60 | | | |
| Link Distance (m) | 264.5 | | | |
| Travel Time (s) | 15.9 | | | |
| Confl. Peds. (#/hr) | | 30 | | |
| Confl. Bikes (#/hr) | | 5 | | |
| Peak Hour Factor | 1.00 | 1.00 | | |
| Heavy Vehicles (%) | 2% | 0% | | |
| Adj. Flow (vph) | 1202 | 318 | | |
| Shared Lane Traffic (%) | | | | |
| Lane Group Flow (vph) | 1202 | 318 | | |
| Turn Type | NA | Perm | | |
| Protected Phases | 6 | | 3 | 7 |
| Permitted Phases | | 6 | | |
| Detector Phase | 6 | 6 | | |
| Switch Phase | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 61.0 | 61.0 | 5.0 | 5.0 |
| Total Split (%) | 50.8% | 50.8% | 4% | 4% |
| Maximum Green (s) | 54.7 | 54.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | |
| Total Lost Time (s) | 6.3 | 6.3 | | |
| Lead/Lag | Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | C-Max | Max | Max |
| Walk Time (s) | 7.0 | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | 0 | | |
| Act Effct Green (s) | 65.4 | 65.4 | | |
| Actuated g/C Ratio | 0.54 | 0.54 | | |

4: Bank Street & Dazé Street/Cahill Drive
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|------------------------|-----|------|------|-----|-------|------|-----|-------|-------|-----|-----|------|
| v/c Ratio | | 0.76 | 0.34 | | 0.49 | 0.29 | | 0.54 | 0.40 | | | 0.33 |
| Control Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 28.6 | 14.1 | | | 10.3 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 28.6 | 14.1 | | | 10.3 |
| LOS | | E | A | | D | A | | C | B | | | B |
| Approach Delay | | 41.3 | | | 28.1 | | | | 16.6 | | | |
| Approach LOS | | D | | | C | | | | B | | | |
| Queue Length 50th (m) | | 36.4 | 0.0 | | 17.5 | 0.0 | | 23.4 | 37.5 | | | 11.5 |
| Queue Length 95th (m) | | 55.5 | 14.9 | | 31.0 | 12.6 | | m40.3 | m47.4 | | | 23.8 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | | 145.4 | | | |
| Turn Bay Length (m) | | | | | | 40.0 | | 45.0 | | | | 70.0 |
| Base Capacity (vph) | | 301 | 493 | | 239 | 456 | | 322 | 1912 | | | 483 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Reduced v/c Ratio | | 0.53 | 0.27 | | 0.34 | 0.22 | | 0.50 | 0.40 | | | 0.31 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 14 (12%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.76
 Intersection Signal Delay: 20.1
 Intersection LOS: C
 Intersection Capacity Utilization 88.4%
 ICU Level of Service E
 Analysis Period (min) 15

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|------------------------|-------|------|----|----|
| v/c Ratio | 0.62 | 0.33 | | |
| Control Delay | 21.9 | 3.4 | | |
| Queue Delay | 0.0 | 0.0 | | |
| Total Delay | 21.9 | 3.4 | | |
| LOS | C | A | | |
| Approach Delay | 17.3 | | | |
| Approach LOS | B | | | |
| Queue Length 50th (m) | 97.9 | 1.4 | | |
| Queue Length 95th (m) | 145.1 | 17.2 | | |
| Internal Link Dist (m) | 240.5 | | | |
| Turn Bay Length (m) | | 75.0 | | |
| Base Capacity (vph) | 1951 | 964 | | |
| Starvation Cap Reductn | 0 | 0 | | |
| Spillback Cap Reductn | 0 | 0 | | |
| Storage Cap Reductn | 0 | 0 | | |
| Reduced v/c Ratio | 0.62 | 0.33 | | |
| Intersection Summary | | | | |

5: Dazé Street & South Keys SC
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 287 |
| Future Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 287 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 0.99 | 0.98 | | 1.00 | 0.98 | | 1.00 | 1.00 | | | 0.99 | 0.99 |
| Fr _t | | 0.852 | | | 0.885 | | | 0.988 | | | | 0.950 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1825 | 1608 | 0 | 1825 | 1673 | 0 | 1825 | 3564 | 0 | 0 | 1825 | 3404 |
| Fl _t Permitted | 0.746 | | | 0.389 | | | 0.445 | | | | 0.616 | |
| Satd. Flow (perm) | 1421 | 1608 | 0 | 745 | 1673 | 0 | 853 | 3564 | 0 | 0 | 1174 | 3404 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 221 | | | 13 | | | 12 | | | | 79 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 6 | | 3 | 3 | | 6 | 3 | | 5 | | 5 | |
| Confl. Bikes (#/hr) | | | 2 | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% |
| Adj. Flow (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 287 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 85 | 224 | 0 | 2 | 17 | 0 | 195 | 217 | 0 | 0 | 22 | 429 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | 1 | 6 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | | 10.0 | 10.0 | | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 |
| Minimum Split (s) | 28.1 | 28.1 | | 28.1 | 28.1 | | 10.9 | 32.9 | | 10.9 | 10.9 | 32.9 |
| Total Split (s) | 36.1 | 36.1 | | 36.1 | 36.1 | | 35.0 | 58.0 | | 15.9 | 15.9 | 38.9 |
| Total Split (%) | 32.8% | 32.8% | | 32.8% | 32.8% | | 31.8% | 52.7% | | 14.5% | 14.5% | 35.4% |
| Maximum Green (s) | 30.0 | 30.0 | | 30.0 | 30.0 | | 29.1 | 52.1 | | 10.0 | 10.0 | 33.0 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.1 | 6.1 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 11.4 | 11.4 | | 11.4 | 11.4 | | 56.2 | 52.6 | | | 48.3 | 42.5 |
| Actuated g/C Ratio | 0.14 | 0.14 | | 0.14 | 0.14 | | 0.70 | 0.65 | | | 0.60 | 0.53 |

5: Dazé Street & South Keys SC
 BG 2031 PM Phase 1 Horizon Year

| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 142 |
| Future Volume (vph) | 142 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 3 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 142 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 BG 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.42 | 0.54 | | 0.02 | 0.07 | | 0.28 | 0.09 | | | 0.03 | 0.23 |
| Control Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.0 | 6.2 | | | 4.4 | 8.8 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.0 | 6.2 | | | 4.4 | 8.8 |
| LOS | D | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 18.6 | | | 21.0 | | | 5.6 | | | | 8.6 |
| Approach LOS | | B | | | C | | | A | | | | A |
| Queue Length 50th (m) | 11.1 | 0.4 | | 0.2 | 0.5 | | 7.4 | 3.8 | | | 0.8 | 13.0 |
| Queue Length 95th (m) | 27.1 | 19.3 | | 2.3 | 6.2 | | 16.3 | 12.9 | | | 2.9 | 24.6 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 535 | 743 | | 280 | 638 | | 958 | 2335 | | | 849 | 1836 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.16 | 0.30 | | 0.01 | 0.03 | | 0.20 | 0.09 | | | 0.03 | 0.23 |

Intersection Summary

| | |
|------------------------------------|------------------|
| Area Type: | Other |
| Cycle Length: | 110 |
| Actuated Cycle Length: | 80.4 |
| Natural Cycle: | 75 |
| Control Type: | Semi Act-Uncoord |
| Maximum v/c Ratio: | 0.54 |
| Intersection Signal Delay: | 10.4 |
| Intersection LOS: | B |
| Intersection Capacity Utilization: | 62.8% |
| ICU Level of Service: | B |
| Analysis Period (min): | 15 |

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC
BG 2031 PM Phase 1 Horizon Year



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access
 BG 2031 PM Phase 1 Horizon Year

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 432 | 553 | 0 |
| Future Vol, veh/h | 0 | 0 | 0 | 432 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 0 | 0 | 432 | 553 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 277 | - | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - |
| Pot Cap-1 Maneuver | 0 | 726 | 0 | - | - |
| Stage 1 | 0 | - | 0 | - | - |
| Stage 2 | 0 | - | 0 | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 726 | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|----|----|----|
| HCM Control Delay, s | 0 | 0 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR |
|-----------------------|-----|-------|-----|-----|
| Capacity (veh/h) | - | - | - | - |
| HCM Lane V/C Ratio | - | - | - | - |
| HCM Control Delay (s) | - | 0 | - | - |
| HCM Lane LOS | - | A | - | - |
| HCM 95th %tile Q(veh) | - | - | - | - |

7: Dazé Street & Existing Access
 BG 2031 PM Phase 1 Horizon Year

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.5 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 26 | 31 | 432 | 553 | 0 |
| Future Vol, veh/h | 0 | 26 | 31 | 432 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 26 | 31 | 432 | 553 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 277 | 553 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 726 | 1027 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 726 | 1027 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

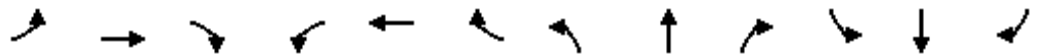
| Approach | EB | NB | SB |
|----------------------|------|-----|----|
| HCM Control Delay, s | 10.1 | 0.6 | 0 |
| HCM LOS | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|------|-----|-------|-----|-----|
| Capacity (veh/h) | 1027 | - | 726 | - | - |
| HCM Lane V/C Ratio | 0.03 | - | 0.036 | - | - |
| HCM Control Delay (s) | 8.6 | - | 10.1 | - | - |
| HCM Lane LOS | A | - | B | - | - |
| HCM 95th %tile Q(veh) | 0.1 | - | 0.1 | - | - |

Future (2041) Background Traffic

1: Airport Parkway & Hunt Club Road

BG 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 373 | 1168 | 26 | 70 | 1032 | 648 | 16 | 0 | 89 | 272 | 0 | 159 |
| Future Volume (vph) | 373 | 1168 | 26 | 70 | 1032 | 648 | 16 | 0 | 89 | 272 | 0 | 159 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 0.99 | | | | | | | |
| Fr _t | | 0.997 | | | 0.942 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3436 | 0 | 1630 | 3185 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1806 | 3436 | 0 | 1629 | 3185 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 113 | | | | 164 | | | 159 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | | 80 |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | | 189.5 |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | | 8.5 |
| Confl. Peds. (#/hr) | 7 | | 2 | 2 | | 7 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | 1 | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 6% | 0% | 12% | 11% | 1% | 7% | 0% | 12% | 3% | 0% | 4% |
| Adj. Flow (vph) | 373 | 1168 | 26 | 70 | 1032 | 648 | 16 | 0 | 89 | 272 | 0 | 159 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 373 | 1194 | 0 | 70 | 1680 | 0 | 16 | 0 | 89 | 272 | 0 | 159 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 12.4 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 32.0 | 50.0 | | 32.0 | 50.0 | | 18.0 | | 18.0 | 48.0 | | 48.0 |
| Total Split (%) | 24.6% | 38.5% | | 24.6% | 38.5% | | 13.8% | | 13.8% | 36.9% | | 36.9% |
| Maximum Green (s) | 24.6 | 42.7 | | 24.6 | 42.7 | | 10.2 | | 10.2 | 40.2 | | 40.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 38.0 | 83.7 | | 10.9 | 53.8 | | 15.7 | | 15.7 | 15.7 | | 15.7 |
| Actuated g/C Ratio | 0.29 | 0.64 | | 0.08 | 0.41 | | 0.12 | | 0.12 | 0.12 | | 0.12 |

1: Airport Parkway & Hunt Club Road

BG 2041 AM Master Plan Build-out

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

BG 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|-------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.71 | 0.54 | | 0.51 | 1.21 | | 0.08 | | 0.28 | 0.66 | | 0.48 |
| Control Delay | 49.7 | 15.4 | | 49.2 | 131.3 | | 49.8 | | 2.2 | 62.1 | | 12.5 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 49.7 | 15.4 | | 49.2 | 131.3 | | 49.8 | | 2.2 | 62.1 | | 12.5 |
| LOS | D | B | | D | F | | D | | A | E | | B |
| Approach Delay | | 23.6 | | | 128.0 | | | 9.4 | | | | 43.8 |
| Approach LOS | | C | | | F | | | A | | | | D |
| Queue Length 50th (m) | 86.7 | 87.5 | | 17.3 | ~256.6 | | 3.7 | | 0.0 | 34.8 | | 0.0 |
| Queue Length 95th (m) | 120.1 | 126.7 | | m22.7 | m#306.1 | | 10.4 | | 0.0 | 47.5 | | 19.0 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 528 | 2213 | | 308 | 1383 | | 205 | | 320 | 1062 | | 595 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.71 | 0.54 | | 0.23 | 1.21 | | 0.08 | | 0.28 | 0.26 | | 0.27 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 150

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.21

Intersection Signal Delay: 72.9 Intersection LOS: E

Intersection Capacity Utilization 97.3% ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road



1: Airport Parkway & Hunt Club Road

BG 2041 AM Master Plan Build-out

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2041 AM Master Plan Build-out



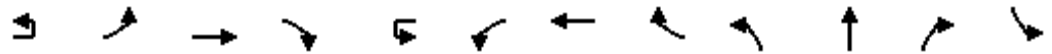
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↔↔↔ | | | ↔ | ↔↔ | ↔ | ↔↔ | ↔ | ↔ | ↔ |
| Traffic Volume (vph) | 19 | 163 | 1163 | 98 | 2 | 16 | 1274 | 75 | 200 | 108 | 67 | 30 |
| Future Volume (vph) | 19 | 163 | 1163 | 98 | 2 | 16 | 1274 | 75 | 200 | 108 | 67 | 30 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 0.99 | | 0.96 | 0.94 | | 0.99 | 1.00 |
| Fr _t | | | 0.988 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3478 | 4818 | 0 | 0 | 1515 | 3411 | 1601 | 3278 | 1902 | 1541 | 1772 |
| Fl _t Permitted | | 0.140 | | | | 0.833 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 510 | 4818 | 0 | 0 | 1320 | 3411 | 1543 | 3086 | 1902 | 1519 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 12 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 15 | | 18 | | 18 | | 15 | 32 | | 2 | 2 |
| Confl. Bikes (#/hr) | | | | 1 | | | | 2 | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% | 7% | 7% | 0% | 23% | 7% | 2% | 8% | 1% | 6% | 3% |
| Adj. Flow (vph) | 19 | 163 | 1163 | 98 | 2 | 16 | 1274 | 75 | 200 | 108 | 67 | 30 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 182 | 1261 | 0 | 0 | 18 | 1274 | 75 | 200 | 108 | 67 | 30 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 15.0 | 15.0 | 52.0 | | 15.0 | 15.0 | 52.0 | 52.0 | 22.0 | 41.0 | 41.0 | 22.0 |
| Total Split (%) | 11.5% | 11.5% | 40.0% | | 11.5% | 11.5% | 40.0% | 40.0% | 16.9% | 31.5% | 31.5% | 16.9% |
| Maximum Green (s) | 8.5 | 8.5 | 45.8 | | 8.5 | 8.5 | 45.8 | 45.8 | 15.5 | 34.0 | 34.0 | 15.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Min | | None | None | C-Min | C-Min | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 28.5 | 79.1 | | | 8.9 | 51.5 | 51.5 | 12.9 | 21.0 | 21.0 | 7.7 |
| Actuated g/C Ratio | | 0.22 | 0.61 | | | 0.07 | 0.40 | 0.40 | 0.10 | 0.16 | 0.16 | 0.06 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road BG 2041 AM Master Plan Build-out



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 30 | 152 |
| Future Volume (vph) | 30 | 152 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.95 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1921 | 1601 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1921 | 1524 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 32 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% |
| Adj. Flow (vph) | 30 | 152 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 30 | 152 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 10.9 | 10.9 |
| Actuated g/C Ratio | 0.08 | 0.08 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2041 AM Master Plan Build-out

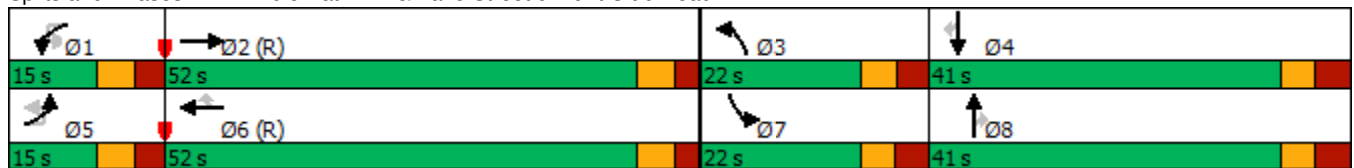


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|-------|-------|-----|-----|------|--------|------|------|-------|------|------|
| v/c Ratio | | 1.64 | 0.43 | | | 0.20 | 0.94 | 0.11 | 0.62 | 0.35 | 0.19 | 0.29 |
| Control Delay | | 357.4 | 11.3 | | | 60.6 | 52.0 | 0.3 | 64.3 | 53.6 | 1.1 | 64.7 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 357.4 | 11.3 | | | 60.6 | 52.0 | 0.3 | 64.3 | 53.6 | 1.1 | 64.7 |
| LOS | | F | B | | | E | D | A | E | D | A | E |
| Approach Delay | | | 54.9 | | | | 49.3 | | | 49.9 | | |
| Approach LOS | | | D | | | | D | | | D | | |
| Queue Length 50th (m) | | ~35.9 | 36.7 | | | 4.5 | 155.7 | 0.0 | 25.6 | 26.2 | 0.0 | 7.5 |
| Queue Length 95th (m) | | #61.5 | 49.5 | | | 12.1 | #220.2 | 0.0 | 37.5 | 43.3 | 0.0 | 17.2 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 111 | 2935 | | | 100 | 1351 | 698 | 390 | 497 | 498 | 209 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 1.64 | 0.43 | | | 0.18 | 0.94 | 0.11 | 0.51 | 0.22 | 0.13 | 0.14 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 135
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.64
 Intersection Signal Delay: 50.8
 Intersection LOS: D
 Intersection Capacity Utilization 90.7%
 ICU Level of Service E
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

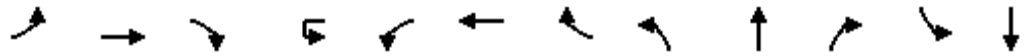


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2041 AM Master Plan Build-out



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.19 | 0.60 |
| Control Delay | 57.6 | 22.1 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 57.6 | 22.1 |
| LOS | E | C |
| Approach Delay | 33.2 | |
| Approach LOS | C | |
| Queue Length 50th (m) | 7.3 | 3.7 |
| Queue Length 95th (m) | 16.6 | 24.1 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 502 | 499 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.06 | 0.30 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road BG 2041 AM Master Plan Build-out



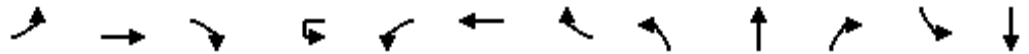
| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|---------------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | ↖↖ | ↑↑ | ↗ | | ↖ | ↑↑ | ↗ | ↖↖ | ↑↑ | ↗ | ↖↖ | ↑↑ |
| Traffic Volume (vph) | 138 | 787 | 288 | 1 | 34 | 1048 | 209 | 312 | 1026 | 24 | 92 | 351 |
| Future Volume (vph) | 138 | 787 | 288 | 1 | 34 | 1048 | 209 | 312 | 1026 | 24 | 92 | 351 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Storage Lanes | 2 | | 1 | | 1 | | 1 | 2 | | 1 | 2 | |
| Taper Length (m) | 2.5 | | | | 2.5 | | | 2.5 | | | | 2.5 |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.97 | 0.95 |
| Ped Bike Factor | 0.99 | | 0.98 | | 1.00 | | 0.97 | 0.97 | | 0.96 | 0.99 | |
| Fr _t | | | 0.850 | | | | 0.850 | | | 0.850 | | |
| Fl _t Protected | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 | |
| Satd. Flow (prot) | 3190 | 3380 | 1570 | 0 | 1725 | 3411 | 1617 | 3372 | 3544 | 1633 | 3471 | 3444 |
| Fl _t Permitted | 0.950 | | | | 0.769 | | | 0.950 | | | 0.950 | |
| Satd. Flow (perm) | 3173 | 3380 | 1533 | 0 | 1391 | 3411 | 1572 | 3261 | 3544 | 1569 | 3435 | 3444 |
| Right Turn on Red | | | Yes | | | | Yes | | | Yes | | |
| Satd. Flow (RTOR) | | | 288 | | | | 279 | | | 216 | | |
| Link Speed (k/h) | | 60 | | | | 60 | | | 60 | | | 60 |
| Link Distance (m) | | 152.6 | | | | 161.6 | | | 179.7 | | | 141.8 |
| Travel Time (s) | | 9.2 | | | | 9.7 | | | 10.8 | | | 8.5 |
| Confl. Peds. (#/hr) | 10 | | 9 | | 9 | | 10 | 25 | | 20 | 20 | |
| Confl. Bikes (#/hr) | | | | | | | 3 | | | 3 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 11% | 8% | 4% | 0% | 6% | 7% | 1% | 5% | 3% | 0% | 2% | 6% |
| Adj. Flow (vph) | 138 | 787 | 288 | 1 | 34 | 1048 | 209 | 312 | 1026 | 24 | 92 | 351 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 138 | 787 | 288 | 0 | 35 | 1048 | 209 | 312 | 1026 | 24 | 92 | 351 |
| Turn Type | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | Prot | NA |
| Protected Phases | 7 | 4 | | | 3 | 8 | | 5 | 2 | | 1 | 6 |
| Permitted Phases | | | 4 | 3 | | | 8 | | | 2 | | |
| Detector Phase | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 |
| Minimum Split (s) | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 | 34.5 |
| Total Split (s) | 21.0 | 45.0 | 45.0 | 13.0 | 13.0 | 37.0 | 37.0 | 25.0 | 48.0 | 48.0 | 14.0 | 37.0 |
| Total Split (%) | 17.5% | 37.5% | 37.5% | 10.8% | 10.8% | 30.8% | 30.8% | 20.8% | 40.0% | 40.0% | 11.7% | 30.8% |
| Maximum Green (s) | 14.5 | 38.3 | 38.3 | 6.5 | 6.5 | 30.3 | 30.3 | 17.9 | 41.5 | 41.5 | 6.9 | 30.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | 7.1 | 6.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None | C-Max |
| Walk Time (s) | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | | 7.0 |
| Flash Dont Walk (s) | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | 0 |
| Act Effct Green (s) | 10.5 | 40.9 | 40.9 | | 6.4 | 34.3 | 34.3 | 15.7 | 41.6 | 41.6 | 6.8 | 32.7 |
| Actuated g/C Ratio | 0.09 | 0.34 | 0.34 | | 0.05 | 0.29 | 0.29 | 0.13 | 0.35 | 0.35 | 0.06 | 0.27 |

3: Bank Street & Hunt Club Road BG 2041 AM Master Plan Build-out



| | |
|-------------------------|-------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 162 |
| Future Volume (vph) | 162 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 120.0 |
| Storage Lanes | 1 |
| Taper Length (m) | |
| Lane Util. Factor | 1.00 |
| Ped Bike Factor | 0.96 |
| Frt | 0.850 |
| Flt Protected | |
| Satd. Flow (prot) | 1458 |
| Flt Permitted | |
| Satd. Flow (perm) | 1395 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | 281 |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 25 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 12% |
| Adj. Flow (vph) | 162 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 162 |
| Turn Type | Perm |
| Protected Phases | |
| Permitted Phases | 6 |
| Detector Phase | 6 |
| Switch Phase | |
| Minimum Initial (s) | 10.0 |
| Minimum Split (s) | 34.5 |
| Total Split (s) | 37.0 |
| Total Split (%) | 30.8% |
| Maximum Green (s) | 30.5 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 2.8 |
| Lost Time Adjust (s) | 0.0 |
| Total Lost Time (s) | 6.5 |
| Lead/Lag | Lag |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | C-Max |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 21.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | 32.7 |
| Actuated g/C Ratio | 0.27 |

3: Bank Street & Hunt Club Road BG 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|------------------------|------|-------|------|-----|-------|--------|-------|------|-------|------|------|-------|
| v/c Ratio | 0.49 | 0.68 | 0.40 | | 0.47 | 1.08 | 0.32 | 0.71 | 0.83 | 0.04 | 0.47 | 0.37 |
| Control Delay | 57.9 | 38.5 | 5.2 | | 76.3 | 92.7 | 2.3 | 58.9 | 43.3 | 0.1 | 67.4 | 29.0 |
| Queue Delay | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 57.9 | 38.5 | 5.2 | | 76.3 | 92.7 | 2.3 | 58.9 | 43.3 | 0.1 | 67.4 | 29.0 |
| LOS | E | D | A | | E | F | A | E | D | A | E | C |
| Approach Delay | | 32.8 | | | | 77.6 | | | 46.1 | | | 27.4 |
| Approach LOS | | C | | | | E | | | D | | | C |
| Queue Length 50th (m) | 16.2 | 86.2 | 0.0 | | 8.2 | ~144.5 | 0.0 | 36.5 | 116.3 | 0.0 | 11.4 | 23.6 |
| Queue Length 95th (m) | 25.8 | 108.8 | 18.8 | | #20.3 | #196.3 | 4.6 | 50.6 | 143.2 | 0.0 | 19.7 | 31.9 |
| Internal Link Dist (m) | | 128.6 | | | | 137.6 | | | 155.7 | | | 117.8 |
| Turn Bay Length (m) | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Base Capacity (vph) | 385 | 1151 | 712 | | 75 | 974 | 648 | 502 | 1229 | 684 | 199 | 937 |
| Starvation Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.36 | 0.68 | 0.40 | | 0.47 | 1.08 | 0.32 | 0.62 | 0.83 | 0.04 | 0.46 | 0.37 |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 65 (54%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 95

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.08

Intersection Signal Delay: 49.1

Intersection LOS: D

Intersection Capacity Utilization 88.0%

ICU Level of Service E

Analysis Period (min) 15

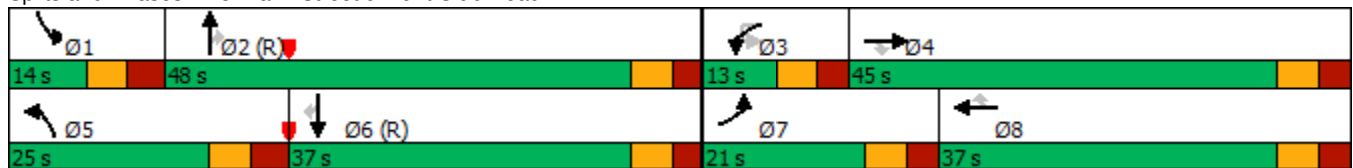
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road BG 2041 AM Master Plan Build-out



| | |
|------------------------|-------|
| Lane Group | SBR |
| v/c Ratio | 0.28 |
| Control Delay | 1.2 |
| Queue Delay | 0.0 |
| Total Delay | 1.2 |
| LOS | A |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | 0.1 |
| Queue Length 95th (m) | 0.2 |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | 120.0 |
| Base Capacity (vph) | 584 |
| Starvation Cap Reductn | 0 |
| Spillback Cap Reductn | 0 |
| Storage Cap Reductn | 0 |
| Reduced v/c Ratio | 0.28 |
| Intersection Summary | |

4: Bank Street & Dazé Street/Cahill Drive BG 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| Lane Configurations | | ↖ | ↗ | | ↖ | ↗ | ↖ | ↗ | ↖ | | ↖ | ↗ |
| Traffic Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 1021 | 51 | 3 | 17 | 440 |
| Future Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 1021 | 51 | 3 | 17 | 440 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | 45.0 | | 0.0 | | 70.0 | |
| Storage Lanes | 0 | | 1 | 0 | | 1 | 1 | | 0 | | 1 | |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | | 7.6 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 0.97 | 0.97 | | 0.98 | 0.95 | 1.00 | 1.00 | | | | 1.00 |
| Fr _t | | | 0.850 | | | 0.850 | | 0.993 | | | | |
| Fl _t Protected | | 0.950 | | | 0.950 | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 0 | 1772 | 1570 | 0 | 1738 | 1585 | 1807 | 3421 | 0 | 0 | 1825 | 3349 |
| Fl _t Permitted | | 0.709 | | | 0.623 | | 0.452 | | | | 0.267 | |
| Satd. Flow (perm) | 0 | 1277 | 1521 | 0 | 1121 | 1505 | 856 | 3421 | 0 | 0 | 512 | 3349 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | | 105 | | | 148 | | 7 | | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | 60 | | | | 60 |
| Link Distance (m) | | 72.9 | | | 188.5 | | | 169.4 | | | | 264.5 |
| Travel Time (s) | | 5.2 | | | 13.6 | | | 10.2 | | | | 15.9 |
| Confl. Peds. (#/hr) | 19 | | 10 | 10 | | 19 | 6 | | 3 | | | 3 |
| Confl. Bikes (#/hr) | | | | | | 2 | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 3% | 0% | 4% | 5% | 0% | 3% | 1% | 6% | 2% | 0% | 0% | 9% |
| Adj. Flow (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 1021 | 51 | 3 | 17 | 440 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 122 | 33 | 0 | 73 | 148 | 90 | 1072 | 0 | 0 | 20 | 440 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | pm+pt | NA | | Perm | Perm | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 6 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | | 6 | 6 | |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 2 | | 6 | 6 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 10.0 | | 10.0 | 10.0 | 10.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 34.3 | | 34.3 | 34.3 | 34.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 14.0 | 78.0 | | 64.0 | 64.0 | 64.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 11.7% | 65.0% | | 53.3% | 53.3% | 53.3% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 7.7 | 71.7 | | 57.7 | 57.7 | 57.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | 6.3 | 6.3 | | | 6.3 | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | | | Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | C-Max | | C-Max | C-Max | C-Max |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | 7.0 | | 7.0 | 7.0 | 7.0 |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | 11.0 | | 11.0 | 11.0 | 11.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| Act Effct Green (s) | | 16.9 | 16.9 | | 16.9 | 16.9 | 85.7 | 85.7 | | | 72.0 | 72.0 |
| Actuated g/C Ratio | | 0.14 | 0.14 | | 0.14 | 0.14 | 0.71 | 0.71 | | | 0.60 | 0.60 |

4: Bank Street & Dazé Street/Cahill Drive BG 2041 AM Master Plan Build-out

| Lane Group | SBR | Ø3 | Ø7 |
|-------------------------|-------|------|------|
| Lane Configurations | | | |
| Traffic Volume (vph) | 117 | | |
| Future Volume (vph) | 117 | | |
| Ideal Flow (vphpl) | 1900 | | |
| Storage Length (m) | 75.0 | | |
| Storage Lanes | 0 | | |
| Taper Length (m) | | | |
| Lane Util. Factor | 1.00 | | |
| Ped Bike Factor | 0.98 | | |
| Frt | 0.850 | | |
| Flt Protected | | | |
| Satd. Flow (prot) | 1498 | | |
| Flt Permitted | | | |
| Satd. Flow (perm) | 1463 | | |
| Right Turn on Red | Yes | | |
| Satd. Flow (RTOR) | 117 | | |
| Link Speed (k/h) | | | |
| Link Distance (m) | | | |
| Travel Time (s) | | | |
| Confl. Peds. (#/hr) | 6 | | |
| Confl. Bikes (#/hr) | | | |
| Peak Hour Factor | 1.00 | | |
| Heavy Vehicles (%) | 9% | | |
| Adj. Flow (vph) | 117 | | |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 117 | | |
| Turn Type | Perm | | |
| Protected Phases | | 3 | 7 |
| Permitted Phases | 6 | | |
| Detector Phase | 6 | | |
| Switch Phase | | | |
| Minimum Initial (s) | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 64.0 | 5.0 | 5.0 |
| Total Split (%) | 53.3% | 4% | 4% |
| Maximum Green (s) | 57.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | | |
| Total Lost Time (s) | 6.3 | | |
| Lead/Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | Max | Max |
| Walk Time (s) | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | | |
| Act Effct Green (s) | 72.0 | | |
| Actuated g/C Ratio | 0.60 | | |

4: Bank Street & Dazé Street/Cahill Drive

BG 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|-----|------|------|-----|-------|------|------|-------|-----|-----|------|-------|
| v/c Ratio | | 0.68 | 0.11 | | 0.46 | 0.44 | 0.13 | 0.44 | | | 0.07 | 0.22 |
| Control Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.8 | 6.0 | | | 13.2 | 12.3 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.8 | 6.0 | | | 13.2 | 12.3 |
| LOS | | E | A | | E | B | A | A | | | B | B |
| Approach Delay | | 52.9 | | | 25.6 | | | 6.0 | | | | 10.4 |
| Approach LOS | | D | | | C | | | A | | | | B |
| Queue Length 50th (m) | | 27.7 | 0.0 | | 16.0 | 0.0 | 4.0 | 25.9 | | | 1.8 | 23.4 |
| Queue Length 95th (m) | | 45.1 | 0.0 | | 29.2 | 16.9 | m8.2 | 45.2 | | | 6.5 | 38.7 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | 145.4 | | | | 240.5 |
| Turn Bay Length (m) | | | | | | 40.0 | 45.0 | | | | 70.0 | |
| Base Capacity (vph) | | 328 | 469 | | 288 | 497 | 675 | 2445 | | | 307 | 2009 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | | 0.37 | 0.07 | | 0.25 | 0.30 | 0.13 | 0.44 | | | 0.07 | 0.22 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 57 (48%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.68
 Intersection Signal Delay: 12.7 Intersection LOS: B
 Intersection Capacity Utilization 82.0% ICU Level of Service D
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive BG 2041 AM Master Plan Build-out



| Lane Group | SBR | Ø3 | Ø7 |
|------------------------|------|----|----|
| v/c Ratio | 0.13 | | |
| Control Delay | 2.8 | | |
| Queue Delay | 0.0 | | |
| Total Delay | 2.8 | | |
| LOS | A | | |
| Approach Delay | | | |
| Approach LOS | | | |
| Queue Length 50th (m) | 0.0 | | |
| Queue Length 95th (m) | 8.7 | | |
| Internal Link Dist (m) | | | |
| Turn Bay Length (m) | 75.0 | | |
| Base Capacity (vph) | 924 | | |
| Starvation Cap Reductn | 0 | | |
| Spillback Cap Reductn | 0 | | |
| Storage Cap Reductn | 0 | | |
| Reduced v/c Ratio | 0.13 | | |
| Intersection Summary | | | |

5: Dazé Street & South Keys SC
 BG 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 154 |
| Future Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 154 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 1.00 | 0.99 | | 1.00 | 0.99 | | | 1.00 | | | | |
| Fr _t | | 0.852 | | | 0.883 | | | 0.998 | | | | 0.945 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1722 | 1566 | 0 | 1521 | 1678 | 0 | 1807 | 3571 | 0 | 0 | 1825 | 3373 |
| Fl _t Permitted | 0.752 | | | 0.702 | | | 0.546 | | | | 0.605 | |
| Satd. Flow (perm) | 1360 | 1566 | 0 | 1123 | 1678 | 0 | 1039 | 3571 | 0 | 0 | 1162 | 3373 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 83 | | | 7 | | | 2 | | | | 90 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 2 | | 1 | 1 | | 2 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 6% | 100% | 2% | 20% | 0% | 0% | 1% | 2% | 0% | 0% | 0% | 3% |
| Adj. Flow (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 154 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 35 | 84 | 0 | 5 | 9 | 0 | 115 | 236 | 0 | 0 | 6 | 244 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 1 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | | 5.0 | 5.0 | | 1.4 | 5.0 | | 1.4 | 1.4 | 5.0 |
| Minimum Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 7.3 | 32.9 | | 7.3 | 7.3 | 32.9 |
| Total Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 12.0 | 35.0 | | 12.0 | 12.0 | 35.0 |
| Total Split (%) | 37.3% | 37.3% | | 37.4% | 37.4% | | 16.0% | 46.6% | | 16.0% | 16.0% | 46.6% |
| Maximum Green (s) | 22.0 | 22.0 | | 22.0 | 22.0 | | 6.1 | 29.1 | | 6.1 | 6.1 | 29.1 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.7 | 2.7 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.0 | 6.0 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 7.1 | 7.1 | | 7.0 | 7.0 | | 41.0 | 41.2 | | | 37.1 | 34.2 |
| Actuated g/C Ratio | 0.12 | 0.12 | | 0.12 | 0.12 | | 0.70 | 0.71 | | | 0.64 | 0.59 |

5: Dazé Street & South Keys SC
 BG 2041 AM Master Plan Build-out



| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 90 |
| Future Volume (vph) | 90 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 90 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 BG 2041 AM Master Plan Build-out

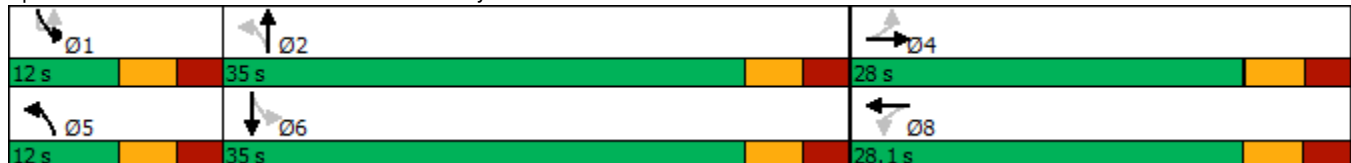


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.21 | 0.32 | | 0.04 | 0.04 | | 0.14 | 0.09 | | | 0.01 | 0.12 |
| Control Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| LOS | C | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 15.3 | | | 19.1 | | | 4.8 | | | | 5.8 |
| Approach LOS | | B | | | B | | | A | | | | A |
| Queue Length 50th (m) | 3.6 | 0.1 | | 0.5 | 0.2 | | 3.3 | 3.5 | | | 0.2 | 4.4 |
| Queue Length 95th (m) | 10.5 | 10.2 | | 3.1 | 3.6 | | 8.2 | 12.8 | | | 1.1 | 10.1 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 517 | 647 | | 425 | 640 | | 810 | 2521 | | | 815 | 2009 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.07 | 0.13 | | 0.01 | 0.01 | | 0.14 | 0.09 | | | 0.01 | 0.12 |

Intersection Summary

Area Type: Other
 Cycle Length: 75.1
 Actuated Cycle Length: 58.4
 Natural Cycle: 70
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.32
 Intersection Signal Delay: 7.1
 Intersection LOS: A
 Intersection Capacity Utilization 37.3%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC BG 2041 AM Master Plan Build-out



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access BG 2041 AM Master Plan Build-out

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 351 | 242 | 0 |
| Future Vol, veh/h | 0 | 0 | 0 | 351 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 0 | 0 | 351 | 242 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 121 | - | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - |
| Pot Cap-1 Maneuver | 0 | 914 | 0 | - | - |
| Stage 1 | 0 | - | 0 | - | - |
| Stage 2 | 0 | - | 0 | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 914 | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|----|----|----|
| HCM Control Delay, s | 0 | 0 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR |
|-----------------------|-----|-------|-----|-----|
| Capacity (veh/h) | - | - | - | - |
| HCM Lane V/C Ratio | - | - | - | - |
| HCM Control Delay (s) | - | 0 | - | - |
| HCM Lane LOS | - | A | - | - |
| HCM 95th %tile Q(veh) | - | - | - | - |

7: Dazé Street & Existing Access

BG 2041 AM Master Plan Build-out

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.1 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 6 | 6 | 351 | 242 | 0 |
| Future Vol, veh/h | 0 | 6 | 6 | 351 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 6 | 6 | 351 | 242 | 0 |

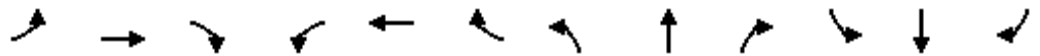
| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 121 | 242 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 914 | 1336 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 914 | 1336 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|----|-----|----|
| HCM Control Delay, s | 9 | 0.1 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|-------|-----|-------|-----|-----|
| Capacity (veh/h) | 1336 | - | 914 | - | - |
| HCM Lane V/C Ratio | 0.004 | - | 0.007 | - | - |
| HCM Control Delay (s) | 7.7 | - | 9 | - | - |
| HCM Lane LOS | A | - | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | 0 | - | - |

1: Airport Parkway & Hunt Club Road

BG 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 188 | 1426 | 34 | 85 | 1389 | 358 | 16 | 0 | 147 | 636 | 0 | 302 |
| Future Volume (vph) | 188 | 1426 | 34 | 85 | 1389 | 358 | 16 | 0 | 147 | 636 | 0 | 302 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 1.00 | | 0.99 | | | | | 0.99 |
| Fr _t | | 0.997 | | | 0.969 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3467 | 0 | 1615 | 3425 | 0 | 1706 | 0 | 1570 | 3506 | 0 | 1617 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1805 | 3467 | 0 | 1613 | 3425 | 0 | 1688 | 0 | 1570 | 3506 | 0 | 1593 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 27 | | | | 164 | | | 302 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | 80 | |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | 189.5 | |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | 8.5 | |
| Confl. Peds. (#/hr) | 11 | | 5 | 5 | | 11 | 3 | | | | | 3 |
| Confl. Bikes (#/hr) | | | 1 | | | | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 5% | 0% | 13% | 3% | 2% | 7% | 0% | 4% | 1% | 0% | 1% |
| Adj. Flow (vph) | 188 | 1426 | 34 | 85 | 1389 | 358 | 16 | 0 | 147 | 636 | 0 | 302 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 188 | 1460 | 0 | 85 | 1747 | 0 | 16 | 0 | 147 | 636 | 0 | 302 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 17.2 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 28.0 | 53.0 | | 28.0 | 53.0 | | 19.0 | | 19.0 | 49.0 | | 49.0 |
| Total Split (%) | 21.5% | 40.8% | | 21.5% | 40.8% | | 14.6% | | 14.6% | 37.7% | | 37.7% |
| Maximum Green (s) | 20.6 | 45.7 | | 20.6 | 45.7 | | 11.2 | | 11.2 | 41.2 | | 41.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 18.6 | 65.4 | | 12.2 | 58.9 | | 30.0 | | 30.0 | 30.0 | | 30.0 |
| Actuated g/C Ratio | 0.14 | 0.50 | | 0.09 | 0.45 | | 0.23 | | 0.23 | 0.23 | | 0.23 |

1: Airport Parkway & Hunt Club Road

BG 2041 PM Master Plan Build-out

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

BG 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|--------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.73 | 0.84 | | 0.56 | 1.12 | | 0.04 | | 0.30 | 0.79 | | 0.50 |
| Control Delay | 68.9 | 34.5 | | 53.8 | 88.7 | | 36.4 | | 5.5 | 54.2 | | 7.1 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 68.9 | 34.5 | | 53.8 | 88.7 | | 36.4 | | 5.5 | 54.2 | | 7.1 |
| LOS | E | C | | D | F | | D | | A | D | | A |
| Approach Delay | | 38.4 | | | 87.1 | | | 8.5 | | | | 39.0 |
| Approach LOS | | D | | | F | | | A | | | | D |
| Queue Length 50th (m) | 46.7 | 164.1 | | 21.5 | ~260.7 | | 3.2 | | 0.0 | 79.5 | | 0.0 |
| Queue Length 95th (m) | 68.1 | #250.6 | | m23.7 | m#291.3 | | 8.7 | | 12.1 | 93.6 | | 20.9 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 300 | 1744 | | 255 | 1566 | | 389 | | 488 | 1111 | | 711 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.63 | 0.84 | | 0.33 | 1.12 | | 0.04 | | 0.30 | 0.57 | | 0.42 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 145

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.12

Intersection Signal Delay: 56.9 Intersection LOS: E

Intersection Capacity Utilization 97.4% ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road



1: Airport Parkway & Hunt Club Road

BG 2041 PM Master Plan Build-out

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road BG 2041 PM Master Plan Build-out



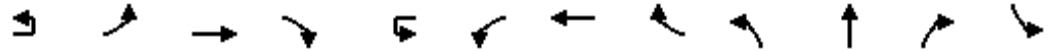
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↔↔↔ | | | ↔ | ↔↔ | ↔ | ↔↔ | ↔ | ↔ | ↔ |
| Traffic Volume (vph) | 33 | 268 | 1529 | 244 | 28 | 37 | 1392 | 88 | 141 | 107 | 75 | 101 |
| Future Volume (vph) | 33 | 268 | 1529 | 244 | 28 | 37 | 1392 | 88 | 141 | 107 | 75 | 101 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 1.00 | | 0.93 | 0.93 | | 0.96 | 0.98 |
| Fr _t | | | 0.979 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3509 | 4833 | 0 | 0 | 1825 | 3544 | 1617 | 3404 | 1921 | 1617 | 1807 |
| Fl _t Permitted | | 0.169 | | | | 0.203 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 618 | 4833 | 0 | 0 | 388 | 3544 | 1511 | 3176 | 1921 | 1556 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 26 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 35 | | 25 | | 25 | | 35 | 44 | | 22 | 22 |
| Confl. Bikes (#/hr) | | | | 1 | | | | | | | 1 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 1% | 5% | 5% | 0% | 0% | 3% | 1% | 4% | 0% | 1% | 1% |
| Adj. Flow (vph) | 33 | 268 | 1529 | 244 | 28 | 37 | 1392 | 88 | 141 | 107 | 75 | 101 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 301 | 1773 | 0 | 0 | 65 | 1392 | 88 | 141 | 107 | 75 | 101 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 18.0 | 18.0 | 54.0 | | 18.0 | 18.0 | 54.0 | 54.0 | 17.0 | 41.0 | 41.0 | 17.0 |
| Total Split (%) | 13.8% | 13.8% | 41.5% | | 13.8% | 13.8% | 41.5% | 41.5% | 13.1% | 31.5% | 31.5% | 13.1% |
| Maximum Green (s) | 11.5 | 11.5 | 47.8 | | 11.5 | 11.5 | 47.8 | 47.8 | 10.5 | 34.0 | 34.0 | 10.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Max | | None | None | C-Max | C-Max | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 23.6 | 51.7 | | | 19.7 | 47.8 | 47.8 | 9.7 | 22.3 | 22.3 | 10.0 |
| Actuated g/C Ratio | | 0.18 | 0.40 | | | 0.15 | 0.37 | 0.37 | 0.07 | 0.17 | 0.17 | 0.08 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2041 PM Master Plan Build-out



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 162 | 316 |
| Future Volume (vph) | 162 | 316 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.94 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1902 | 1617 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1902 | 1517 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 44 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 1% |
| Adj. Flow (vph) | 162 | 316 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 162 | 316 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 22.6 | 22.6 |
| Actuated g/C Ratio | 0.17 | 0.17 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2041 PM Master Plan Build-out

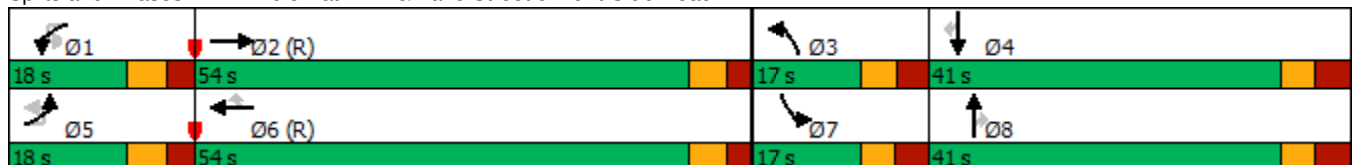


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|--------|--------|-----|-----|-------|--------|------|------|-------|------|-------|
| v/c Ratio | | 2.69 | 0.91 | | | 1.12 | 1.07 | 0.14 | 0.56 | 0.33 | 0.20 | 0.73 |
| Control Delay | | 801.0 | 39.0 | | | 203.9 | 84.9 | 0.9 | 66.5 | 47.3 | 1.2 | 87.8 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 801.0 | 39.0 | | | 203.9 | 84.9 | 0.9 | 66.5 | 47.3 | 1.2 | 87.8 |
| LOS | | F | D | | | F | F | A | E | D | A | F |
| Approach Delay | | | 149.6 | | | | 85.1 | | | 45.0 | | |
| Approach LOS | | | F | | | | F | | | D | | |
| Queue Length 50th (m) | | ~70.0 | 146.7 | | | 16.8 | ~207.4 | 0.0 | 18.1 | 24.2 | 0.0 | 25.6 |
| Queue Length 95th (m) | | m#98.5 | #195.6 | | | #55.8 | #250.0 | 1.5 | 29.0 | 37.1 | 0.0 | #51.5 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 112 | 1938 | | | 58 | 1303 | 646 | 274 | 502 | 508 | 144 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 2.69 | 0.91 | | | 1.12 | 1.07 | 0.14 | 0.51 | 0.21 | 0.15 | 0.70 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 135
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 2.69
 Intersection Signal Delay: 108.1 Intersection LOS: F
 Intersection Capacity Utilization 100.2% ICU Level of Service G
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

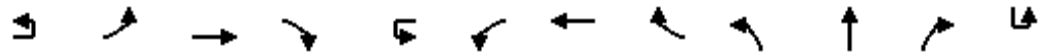


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 BG 2041 PM Master Plan Build-out



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.49 | 0.84 |
| Control Delay | 51.6 | 47.5 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 51.6 | 47.5 |
| LOS | D | D |
| Approach Delay | 55.7 | |
| Approach LOS | E | |
| Queue Length 50th (m) | 37.7 | 46.0 |
| Queue Length 95th (m) | 53.4 | 72.9 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 497 | 497 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.33 | 0.64 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road BG 2041 PM Master Plan Build-out



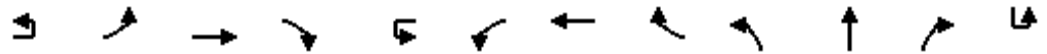
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|---------------------------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| Lane Configurations | | ↕↕ | ↕↕ | ↕ | | ↕ | ↕↕ | ↕ | ↕↕ | ↕↕ | ↕ | |
| Traffic Volume (vph) | 4 | 167 | 996 | 396 | 1 | 52 | 895 | 197 | 361 | 571 | 61 | 1 |
| Future Volume (vph) | 4 | 167 | 996 | 396 | 1 | 52 | 895 | 197 | 361 | 571 | 61 | 1 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | |
| Storage Lanes | | 2 | | 1 | | 1 | | 1 | 2 | | 1 | |
| Taper Length (m) | | 2.5 | | | | 2.5 | | | 2.5 | | | |
| Lane Util. Factor | 0.95 | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 1.00 | | 0.96 | | 0.99 | | 0.98 | 0.97 | | 0.96 | |
| Fr _t | | | | 0.850 | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | |
| Satd. Flow (prot) | 0 | 3314 | 3510 | 1601 | 0 | 1756 | 3579 | 1617 | 3506 | 3579 | 1601 | 0 |
| Fl _t Permitted | | 0.381 | | | | 0.533 | | | 0.950 | | | |
| Satd. Flow (perm) | 0 | 1326 | 3510 | 1532 | 0 | 979 | 3579 | 1583 | 3410 | 3579 | 1535 | 0 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | | 273 | | | | 195 | | | 157 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 60 | | |
| Link Distance (m) | | | 152.6 | | | | 161.6 | | | 179.7 | | |
| Travel Time (s) | | | 9.2 | | | | 9.7 | | | 10.8 | | |
| Confl. Peds. (#/hr) | | 4 | | 21 | | 21 | | 4 | 55 | | 22 | |
| Confl. Bikes (#/hr) | | | | 5 | | | | 4 | | | 2 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 7% | 4% | 2% | 0% | 4% | 2% | 1% | 1% | 2% | 2% | 0% |
| Adj. Flow (vph) | 4 | 167 | 996 | 396 | 1 | 52 | 895 | 197 | 361 | 571 | 61 | 1 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 171 | 996 | 396 | 0 | 53 | 895 | 197 | 361 | 571 | 61 | 0 |
| Turn Type | custom | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | custom |
| Protected Phases | | 7 | 4 | | | 3 | 8 | | 5 | 2 | | |
| Permitted Phases | 7 | | | 4 | 3 | | | 8 | | | | 2 |
| Detector Phase | 7 | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 |
| Total Split (s) | 17.0 | 17.0 | 41.0 | 41.0 | 14.0 | 14.0 | 38.0 | 38.0 | 19.0 | 46.0 | 46.0 | 19.0 |
| Total Split (%) | 14.2% | 14.2% | 34.2% | 34.2% | 11.7% | 11.7% | 31.7% | 31.7% | 15.8% | 38.3% | 38.3% | 15.8% |
| Maximum Green (s) | 10.5 | 10.5 | 34.3 | 34.3 | 7.5 | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | 11.9 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | |
| Lead/Lag | Lead | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None |
| Walk Time (s) | | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | |
| Pedestrian Calls (#/hr) | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 10.5 | 34.3 | 34.3 | | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | |
| Actuated g/C Ratio | | 0.09 | 0.29 | 0.29 | | 0.06 | 0.26 | 0.26 | 0.10 | 0.33 | 0.33 | |

3: Bank Street & Hunt Club Road BG 2041 PM Master Plan Build-out



| Lane Group | SBL | SBT | SBR |
|---------------------------|-------|-------|-------|
| Lane Configurations | | | |
| Traffic Volume (vph) | 245 | 1052 | 242 |
| Future Volume (vph) | 245 | 1052 | 242 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 |
| Storage Length (m) | 30.0 | | 120.0 |
| Storage Lanes | 2 | | 1 |
| Taper Length (m) | 2.5 | | |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 |
| Ped Bike Factor | 0.98 | | 0.92 |
| Fr _t | | | 0.850 |
| Fl _t Protected | 0.950 | | |
| Satd. Flow (prot) | 3506 | 3579 | 1555 |
| Fl _t Permitted | 0.336 | | |
| Satd. Flow (perm) | 1219 | 3579 | 1425 |
| Right Turn on Red | | | Yes |
| Satd. Flow (RTOR) | | | 157 |
| Link Speed (k/h) | | 60 | |
| Link Distance (m) | | 141.8 | |
| Travel Time (s) | | 8.5 | |
| Confl. Peds. (#/hr) | 22 | | 55 |
| Confl. Bikes (#/hr) | | | 4 |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 2% | 5% |
| Adj. Flow (vph) | 245 | 1052 | 242 |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 246 | 1052 | 242 |
| Turn Type | Prot | NA | Perm |
| Protected Phases | 1 | 6 | |
| Permitted Phases | | | 6 |
| Detector Phase | 1 | 6 | 6 |
| Switch Phase | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 |
| Minimum Split (s) | 12.1 | 34.5 | 34.5 |
| Total Split (s) | 19.0 | 46.0 | 46.0 |
| Total Split (%) | 15.8% | 38.3% | 38.3% |
| Maximum Green (s) | 11.9 | 39.5 | 39.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 3.4 | 2.8 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 7.1 | 6.5 | 6.5 |
| Lead/Lag | Lead | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | C-Max | C-Max |
| Walk Time (s) | | 7.0 | 7.0 |
| Flash Dont Walk (s) | | 21.0 | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 |
| Act Effct Green (s) | 11.9 | 39.5 | 39.5 |
| Actuated g/C Ratio | 0.10 | 0.33 | 0.33 |

3: Bank Street & Hunt Club Road BG 2041 PM Master Plan Build-out



| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|------------------------|-----|-------|--------|------|-----|-------|--------|-------|-------|-------|------|------|
| v/c Ratio | | 1.47 | 0.99 | 0.63 | | 0.87 | 0.96 | 0.35 | 1.04 | 0.48 | 0.10 | |
| Control Delay | | 292.2 | 69.8 | 16.2 | | 138.6 | 65.1 | 6.9 | 111.5 | 33.8 | 0.3 | |
| Queue Delay | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | | 292.2 | 69.8 | 16.2 | | 138.6 | 65.1 | 6.9 | 111.5 | 33.8 | 0.3 | |
| LOS | | F | E | B | | F | E | A | F | C | A | |
| Approach Delay | | | 80.5 | | | | 58.5 | | | 60.0 | | |
| Approach LOS | | | F | | | | E | | | E | | |
| Queue Length 50th (m) | | ~28.5 | 123.2 | 23.3 | | 12.6 | 109.6 | 0.4 | ~47.2 | 56.2 | 0.0 | |
| Queue Length 95th (m) | | #51.0 | #167.7 | 57.2 | | #37.4 | #150.1 | 17.9 | #77.0 | 72.9 | 0.0 | |
| Internal Link Dist (m) | | | 128.6 | | | | 137.6 | | | 155.7 | | |
| Turn Bay Length (m) | | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | | 60.0 |
| Base Capacity (vph) | | 116 | 1003 | 632 | | 61 | 933 | 557 | 347 | 1178 | 610 | |
| Starvation Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spillback Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Storage Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Reduced v/c Ratio | | 1.47 | 0.99 | 0.63 | | 0.87 | 0.96 | 0.35 | 1.04 | 0.48 | 0.10 | |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 23 (19%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 105

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 2.05

Intersection Signal Delay: 81.7

Intersection LOS: F

Intersection Capacity Utilization 93.4%

ICU Level of Service F

Analysis Period (min) 15

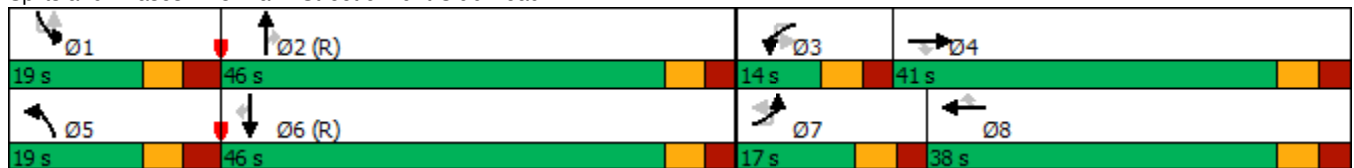
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road BG 2041 PM Master Plan Build-out



| Lane Group | SBL | SBT | SBR |
|------------------------|-------|--------|-------|
| v/c Ratio | 2.05 | 0.89 | 0.42 |
| Control Delay | 527.1 | 40.7 | 12.8 |
| Queue Delay | 0.0 | 0.0 | 0.0 |
| Total Delay | 527.1 | 40.7 | 12.8 |
| LOS | F | D | B |
| Approach Delay | | 114.0 | |
| Approach LOS | | F | |
| Queue Length 50th (m) | ~48.4 | 58.1 | 4.2 |
| Queue Length 95th (m) | #74.8 | #131.2 | 30.9 |
| Internal Link Dist (m) | | 117.8 | |
| Turn Bay Length (m) | 30.0 | | 120.0 |
| Base Capacity (vph) | 120 | 1178 | 574 |
| Starvation Cap Reductn | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 |
| Reduced v/c Ratio | 2.05 | 0.89 | 0.42 |
| Intersection Summary | | | |

4: Bank Street & Dazé Street/Cahill Drive BG 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|---------------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|--------|-------|
| Lane Configurations | | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↕ | ↗ | | ↗ |
| Traffic Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 697 | 92 | 4 | 146 |
| Future Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 697 | 92 | 4 | 146 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | | 45.0 | | 0.0 | | 70.0 |
| Storage Lanes | 0 | | 1 | 0 | | 1 | | 1 | | 0 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | | 7.6 | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 |
| Ped Bike Factor | | 0.92 | 0.95 | | 0.97 | 0.90 | | | 0.99 | | | 0.99 |
| Fr _t | | | 0.850 | | | 0.850 | | | 0.983 | | | |
| Fl _t Protected | | 0.953 | | | 0.950 | | | 0.950 | | | | 0.950 |
| Satd. Flow (prot) | 0 | 1813 | 1617 | 0 | 1659 | 1633 | 0 | 1825 | 3487 | 0 | 0 | 1807 |
| Fl _t Permitted | | 0.668 | | | 0.548 | | | 0.133 | | | | 0.302 |
| Satd. Flow (perm) | 0 | 1172 | 1535 | 0 | 932 | 1471 | 0 | 256 | 3487 | 0 | 0 | 567 |
| Right Turn on Red | | | Yes | | | Yes | | | | Yes | | |
| Satd. Flow (RTOR) | | | 132 | | | 105 | | | 16 | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | | 60 | | | |
| Link Distance (m) | | 72.9 | | | 188.5 | | | | 169.4 | | | |
| Travel Time (s) | | 5.2 | | | 13.6 | | | | 10.2 | | | |
| Confl. Peds. (#/hr) | 44 | | 18 | 18 | | 44 | | 30 | | 19 | | 19 |
| Confl. Bikes (#/hr) | | | 4 | | | 1 | | | | 2 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 0% | 1% | 10% | 0% | 0% | 0% | 0% | 2% | 1% | 0% | 1% |
| Adj. Flow (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 697 | 92 | 4 | 146 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 161 | 132 | 0 | 82 | 101 | 0 | 160 | 789 | 0 | 0 | 150 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | custom | pm+pt | NA | | custom | pm+pt |
| Protected Phases | | 4 | | | 8 | | | 5 | 2 | | | 1 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 5 | 2 | | | 1 | 6 |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 5 | 2 | | 1 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 11.3 | 34.3 | | 11.3 | 11.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 17.0 | 17.0 | 61.0 | | 17.0 | 17.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 14.2% | 14.2% | 50.8% | | 14.2% | 14.2% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 10.7 | 10.7 | 54.7 | | 10.7 | 10.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | 2.6 | | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | | 6.3 | 6.3 | | | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | Lead | Lag | | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | None | C-Max | | None | None |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | | 7.0 | | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | | 11.0 | | | |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | |
| Act Effct Green (s) | | 21.7 | 21.7 | | 21.7 | 21.7 | | 75.1 | 65.6 | | | 74.1 |
| Actuated g/C Ratio | | 0.18 | 0.18 | | 0.18 | 0.18 | | 0.63 | 0.55 | | | 0.62 |

4: Bank Street & Dazé Street/Cahill Drive
 BG 2041 PM Master Plan Build-out



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|---------------------------|-------|-------|------|------|
| Lane Configurations | ↑↑ | ↑ | | |
| Traffic Volume (vph) | 1258 | 318 | | |
| Future Volume (vph) | 1258 | 318 | | |
| Ideal Flow (vphpl) | 1900 | 1900 | | |
| Storage Length (m) | | 75.0 | | |
| Storage Lanes | | 0 | | |
| Taper Length (m) | | | | |
| Lane Util. Factor | 0.95 | 1.00 | | |
| Ped Bike Factor | | 0.93 | | |
| Fr _t | | 0.850 | | |
| Fl _t Protected | | | | |
| Satd. Flow (prot) | 3579 | 1633 | | |
| Fl _t Permitted | | | | |
| Satd. Flow (perm) | 3579 | 1514 | | |
| Right Turn on Red | | Yes | | |
| Satd. Flow (RTOR) | | 291 | | |
| Link Speed (k/h) | 60 | | | |
| Link Distance (m) | 264.5 | | | |
| Travel Time (s) | 15.9 | | | |
| Confl. Peds. (#/hr) | | 30 | | |
| Confl. Bikes (#/hr) | | 5 | | |
| Peak Hour Factor | 1.00 | 1.00 | | |
| Heavy Vehicles (%) | 2% | 0% | | |
| Adj. Flow (vph) | 1258 | 318 | | |
| Shared Lane Traffic (%) | | | | |
| Lane Group Flow (vph) | 1258 | 318 | | |
| Turn Type | NA | Perm | | |
| Protected Phases | 6 | | 3 | 7 |
| Permitted Phases | | 6 | | |
| Detector Phase | 6 | 6 | | |
| Switch Phase | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 61.0 | 61.0 | 5.0 | 5.0 |
| Total Split (%) | 50.8% | 50.8% | 4% | 4% |
| Maximum Green (s) | 54.7 | 54.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | |
| Total Lost Time (s) | 6.3 | 6.3 | | |
| Lead/Lag | Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | C-Max | Max | Max |
| Walk Time (s) | 7.0 | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | 0 | | |
| Act Effct Green (s) | 65.1 | 65.1 | | |
| Actuated g/C Ratio | 0.54 | 0.54 | | |

4: Bank Street & Dazé Street/Cahill Drive BG 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|------------------------|-----|------|------|-----|-------|------|-----|-------|-------|-----|-----|------|
| v/c Ratio | | 0.76 | 0.34 | | 0.49 | 0.29 | | 0.56 | 0.41 | | | 0.34 |
| Control Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 31.1 | 14.3 | | | 10.5 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 31.1 | 14.3 | | | 10.5 |
| LOS | | E | A | | D | A | | C | B | | | B |
| Approach Delay | | 41.3 | | | 28.1 | | | | 17.2 | | | |
| Approach LOS | | D | | | C | | | | B | | | |
| Queue Length 50th (m) | | 36.4 | 0.0 | | 17.5 | 0.0 | | 25.0 | 39.2 | | | 11.5 |
| Queue Length 95th (m) | | 55.5 | 14.9 | | 31.0 | 12.6 | | m41.5 | m50.0 | | | 23.8 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | | 145.4 | | | |
| Turn Bay Length (m) | | | | | | 40.0 | | 45.0 | | | | 70.0 |
| Base Capacity (vph) | | 301 | 493 | | 239 | 456 | | 308 | 1914 | | | 470 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Reduced v/c Ratio | | 0.53 | 0.27 | | 0.34 | 0.22 | | 0.52 | 0.41 | | | 0.32 |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 14 (12%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green

Natural Cycle: 90

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.76

Intersection Signal Delay: 20.7

Intersection LOS: C

Intersection Capacity Utilization 90.0%

ICU Level of Service E

Analysis Period (min) 15

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive
 BG 2041 PM Master Plan Build-out



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|------------------------|-------|------|----|----|
| v/c Ratio | 0.65 | 0.33 | | |
| Control Delay | 22.9 | 3.9 | | |
| Queue Delay | 0.0 | 0.0 | | |
| Total Delay | 22.9 | 3.9 | | |
| LOS | C | A | | |
| Approach Delay | 18.3 | | | |
| Approach LOS | B | | | |
| Queue Length 50th (m) | 105.3 | 2.8 | | |
| Queue Length 95th (m) | 155.1 | 19.4 | | |
| Internal Link Dist (m) | 240.5 | | | |
| Turn Bay Length (m) | | 75.0 | | |
| Base Capacity (vph) | 1942 | 954 | | |
| Starvation Cap Reductn | 0 | 0 | | |
| Spillback Cap Reductn | 0 | 0 | | |
| Storage Cap Reductn | 0 | 0 | | |
| Reduced v/c Ratio | 0.65 | 0.33 | | |
| Intersection Summary | | | | |

5: Dazé Street & South Keys SC
 BG 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 287 |
| Future Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 287 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 0.99 | 0.98 | | 1.00 | 0.98 | | 1.00 | 1.00 | | | 0.99 | 0.99 |
| Fr _t | | 0.852 | | | 0.885 | | | 0.988 | | | | 0.950 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1825 | 1608 | 0 | 1825 | 1673 | 0 | 1825 | 3564 | 0 | 0 | 1825 | 3404 |
| Fl _t Permitted | 0.746 | | | 0.389 | | | 0.445 | | | | 0.616 | |
| Satd. Flow (perm) | 1421 | 1608 | 0 | 745 | 1673 | 0 | 853 | 3564 | 0 | 0 | 1174 | 3404 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 221 | | | 13 | | | 12 | | | | 79 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 6 | | 3 | 3 | | 6 | 3 | | 5 | | 5 | |
| Confl. Bikes (#/hr) | | | 2 | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% |
| Adj. Flow (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 287 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 85 | 224 | 0 | 2 | 17 | 0 | 195 | 217 | 0 | 0 | 22 | 429 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | 1 | 6 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | | 10.0 | 10.0 | | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 |
| Minimum Split (s) | 28.1 | 28.1 | | 28.1 | 28.1 | | 10.9 | 32.9 | | 10.9 | 10.9 | 32.9 |
| Total Split (s) | 36.1 | 36.1 | | 36.1 | 36.1 | | 35.0 | 58.0 | | 15.9 | 15.9 | 38.9 |
| Total Split (%) | 32.8% | 32.8% | | 32.8% | 32.8% | | 31.8% | 52.7% | | 14.5% | 14.5% | 35.4% |
| Maximum Green (s) | 30.0 | 30.0 | | 30.0 | 30.0 | | 29.1 | 52.1 | | 10.0 | 10.0 | 33.0 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.1 | 6.1 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 11.4 | 11.4 | | 11.4 | 11.4 | | 56.2 | 52.6 | | | 48.3 | 42.5 |
| Actuated g/C Ratio | 0.14 | 0.14 | | 0.14 | 0.14 | | 0.70 | 0.65 | | | 0.60 | 0.53 |

5: Dazé Street & South Keys SC
 BG 2041 PM Master Plan Build-out



| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 142 |
| Future Volume (vph) | 142 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 3 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 142 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 BG 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.42 | 0.54 | | 0.02 | 0.07 | | 0.28 | 0.09 | | | 0.03 | 0.23 |
| Control Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.0 | 6.2 | | | 4.4 | 8.8 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.0 | 6.2 | | | 4.4 | 8.8 |
| LOS | D | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 18.6 | | | 21.0 | | | 5.6 | | | | 8.6 |
| Approach LOS | | B | | | C | | | A | | | | A |
| Queue Length 50th (m) | 11.1 | 0.4 | | 0.2 | 0.5 | | 7.4 | 3.8 | | | 0.8 | 13.0 |
| Queue Length 95th (m) | 27.1 | 19.3 | | 2.3 | 6.2 | | 16.3 | 12.9 | | | 2.9 | 24.6 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 535 | 743 | | 280 | 638 | | 958 | 2335 | | | 849 | 1836 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.16 | 0.30 | | 0.01 | 0.03 | | 0.20 | 0.09 | | | 0.03 | 0.23 |

Intersection Summary

Area Type: Other
 Cycle Length: 110
 Actuated Cycle Length: 80.4
 Natural Cycle: 75
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.54
 Intersection Signal Delay: 10.4
 Intersection LOS: B
 Intersection Capacity Utilization 62.8%
 ICU Level of Service B
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC

BG 2041 PM Master Plan Build-out



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access BG 2041 PM Master Plan Build-out

| Intersection | | | | | | |
|--------------------------|--------|--------|--------|------|------|------|
| Int Delay, s/veh | 0 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 0 | 0 | 432 | 553 | 0 |
| Future Vol, veh/h | 0 | 0 | 0 | 432 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 0 | 0 | 432 | 553 | 0 |
| Major/Minor | Minor2 | Major1 | Major2 | | | |
| Conflicting Flow All | - | 277 | - | 0 | - | 0 |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - | - |
| Pot Cap-1 Maneuver | 0 | 726 | 0 | - | - | - |
| Stage 1 | 0 | - | 0 | - | - | - |
| Stage 2 | 0 | - | 0 | - | - | - |
| Platoon blocked, % | | | | - | - | - |
| Mov Cap-1 Maneuver | - | 726 | - | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - | - |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Approach | EB | NB | SB | | | |
| HCM Control Delay, s | 0 | 0 | 0 | | | |
| HCM LOS | A | | | | | |
| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR | | |
| Capacity (veh/h) | - | - | - | - | | |
| HCM Lane V/C Ratio | - | - | - | - | | |
| HCM Control Delay (s) | - | 0 | - | - | | |
| HCM Lane LOS | - | A | - | - | | |
| HCM 95th %tile Q(veh) | - | - | - | - | | |

7: Dazé Street & Existing Access
 BG 2041 PM Master Plan Build-out

Intersection

Int Delay, s/veh 0.5

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 26 | 31 | 432 | 553 | 0 |
| Future Vol, veh/h | 0 | 26 | 31 | 432 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 26 | 31 | 432 | 553 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 277 | 553 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 726 | 1027 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 726 | 1027 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

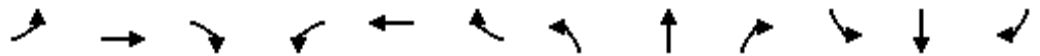
| Approach | EB | NB | SB |
|----------------------|------|-----|----|
| HCM Control Delay, s | 10.1 | 0.6 | 0 |
| HCM LOS | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|------|-----|-------|-----|-----|
| Capacity (veh/h) | 1027 | - | 726 | - | - |
| HCM Lane V/C Ratio | 0.03 | - | 0.036 | - | - |
| HCM Control Delay (s) | 8.6 | - | 10.1 | - | - |
| HCM Lane LOS | A | - | B | - | - |
| HCM 95th %tile Q(veh) | 0.1 | - | 0.1 | - | - |

Future (2026) Total Traffic

1: Airport Parkway & Hunt Club Road

TT 2026 AM Phase 1 Build-out



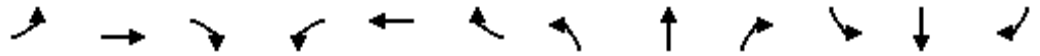
| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 347 | 1092 | 25 | 67 | 969 | 619 | 15 | 0 | 84 | 259 | 0 | 148 |
| Future Volume (vph) | 347 | 1092 | 25 | 67 | 969 | 619 | 15 | 0 | 84 | 259 | 0 | 148 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 0.99 | | | | | | | |
| Fr _t | | 0.997 | | | 0.942 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3436 | 0 | 1630 | 3186 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1806 | 3436 | 0 | 1628 | 3186 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 118 | | | | 164 | | | 148 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | | 80 |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | | 189.5 |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | | 8.5 |
| Confl. Peds. (#/hr) | 7 | | 2 | 2 | | | 7 | | | | | |
| Confl. Bikes (#/hr) | | | | | | | 1 | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 6% | 0% | 12% | 11% | 1% | 7% | 0% | 12% | 3% | 0% | 4% |
| Adj. Flow (vph) | 347 | 1092 | 25 | 67 | 969 | 619 | 15 | 0 | 84 | 259 | 0 | 148 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 347 | 1117 | 0 | 67 | 1588 | 0 | 15 | 0 | 84 | 259 | 0 | 148 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 12.4 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 32.0 | 50.0 | | 32.0 | 50.0 | | 18.0 | | 18.0 | 48.0 | | 48.0 |
| Total Split (%) | 24.6% | 38.5% | | 24.6% | 38.5% | | 13.8% | | 13.8% | 36.9% | | 36.9% |
| Maximum Green (s) | 24.6 | 42.7 | | 24.6 | 42.7 | | 10.2 | | 10.2 | 40.2 | | 40.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 34.0 | 84.4 | | 10.7 | 58.3 | | 15.2 | | 15.2 | 15.2 | | 15.2 |
| Actuated g/C Ratio | 0.26 | 0.65 | | 0.08 | 0.45 | | 0.12 | | 0.12 | 0.12 | | 0.12 |

1: Airport Parkway & Hunt Club Road
 TT 2026 AM Phase 1 Build-out

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

TT 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|-------|-----|---------------|--------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.74 | 0.50 | | 0.50 | 1.06 | | 0.08 | | 0.27 | 0.65 | | 0.47 |
| Control Delay | 53.9 | 14.4 | | 48.6 | 70.3 | | 50.1 | | 2.1 | 62.2 | | 12.9 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 53.9 | 14.4 | | 48.6 | 70.3 | | 50.1 | | 2.1 | 62.2 | | 12.9 |
| LOS | D | B | | D | E | | D | | A | E | | B |
| Approach Delay | | 23.8 | | | 69.4 | | | 9.3 | | | | 44.2 |
| Approach LOS | | C | | | E | | | A | | | | D |
| Queue Length 50th (m) | 81.8 | 77.8 | | 16.3 | ~218.3 | | 3.5 | | 0.0 | 33.1 | | 0.0 |
| Queue Length 95th (m) | 112.5 | 113.2 | | m22.5 m#282.1 | | | 10.0 | | 0.0 | 45.4 | | 18.6 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 472 | 2230 | | 308 | 1493 | | 199 | | 315 | 1062 | | 587 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.74 | 0.50 | | 0.22 | 1.06 | | 0.08 | | 0.27 | 0.24 | | 0.25 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 150

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.06

Intersection Signal Delay: 46.5

Intersection LOS: D

Intersection Capacity Utilization 93.2%

ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road

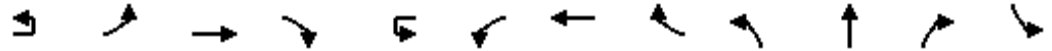


1: Airport Parkway & Hunt Club Road

TT 2026 AM Phase 1 Build-out

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2026 AM Phase 1 Build-out



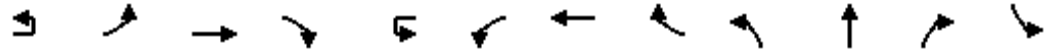
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|---|
| Lane Configurations | | ↔↔ | ↕↕↕ | | | | ↔ | ↕↕ | ↔ | ↕↕ | ↕ | ↔ | ↕ |
| Traffic Volume (vph) | 19 | 173 | 1084 | 98 | 2 | 16 | 1189 | 78 | 200 | 109 | 67 | 52 | |
| Future Volume (vph) | 19 | 173 | 1084 | 98 | 2 | 16 | 1189 | 78 | 200 | 109 | 67 | 52 | |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 | |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 | |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 | |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 | |
| Ped Bike Factor | | 0.99 | 0.99 | | | 0.99 | | 0.96 | 0.94 | | 0.99 | 1.00 | |
| Fr _t | | | 0.988 | | | | | 0.850 | | | 0.850 | | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 | |
| Satd. Flow (prot) | 0 | 3478 | 4816 | 0 | 0 | 1515 | 3411 | 1601 | 3278 | 1902 | 1541 | 1772 | |
| Fl _t Permitted | | 0.137 | | | | 0.833 | | | 0.950 | | | 0.950 | |
| Satd. Flow (perm) | 0 | 498 | 4816 | 0 | 0 | 1319 | 3411 | 1543 | 3087 | 1902 | 1519 | 1768 | |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | | |
| Satd. Flow (RTOR) | | | 13 | | | | | 143 | | | 137 | | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | | |
| Confl. Peds. (#/hr) | | 15 | | 18 | | 18 | | 15 | 32 | | 2 | 2 | |
| Confl. Bikes (#/hr) | | | | 1 | | | | 2 | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | |
| Heavy Vehicles (%) | 0% | 2% | 7% | 7% | 0% | 23% | 7% | 2% | 8% | 1% | 6% | 3% | |
| Adj. Flow (vph) | 19 | 173 | 1084 | 98 | 2 | 16 | 1189 | 78 | 200 | 109 | 67 | 52 | |
| Shared Lane Traffic (%) | | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 192 | 1182 | 0 | 0 | 18 | 1189 | 78 | 200 | 109 | 67 | 52 | |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot | |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 | |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 | |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 | |
| Switch Phase | | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 | |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 | |
| Total Split (s) | 15.0 | 15.0 | 52.0 | | 15.0 | 15.0 | 52.0 | 52.0 | 22.0 | 41.0 | 41.0 | 22.0 | |
| Total Split (%) | 11.5% | 11.5% | 40.0% | | 11.5% | 11.5% | 40.0% | 40.0% | 16.9% | 31.5% | 31.5% | 16.9% | |
| Maximum Green (s) | 8.5 | 8.5 | 45.8 | | 8.5 | 8.5 | 45.8 | 45.8 | 15.5 | 34.0 | 34.0 | 15.4 | |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 | |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 | |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 | |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead | |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | |
| Recall Mode | None | None | C-Min | | None | None | C-Min | C-Min | None | None | None | None | |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | | |
| Act Effct Green (s) | | 29.3 | 78.1 | | | 8.9 | 49.7 | 49.7 | 12.9 | 17.9 | 17.9 | 9.2 | |
| Actuated g/C Ratio | | 0.23 | 0.60 | | | 0.07 | 0.38 | 0.38 | 0.10 | 0.14 | 0.14 | 0.07 | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road TT 2026 AM Phase 1 Build-out



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 32 | 173 |
| Future Volume (vph) | 32 | 173 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.95 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1921 | 1601 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1921 | 1524 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 32 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% |
| Adj. Flow (vph) | 32 | 173 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 32 | 173 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 11.8 | 11.8 |
| Actuated g/C Ratio | 0.09 | 0.09 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2026 AM Phase 1 Build-out

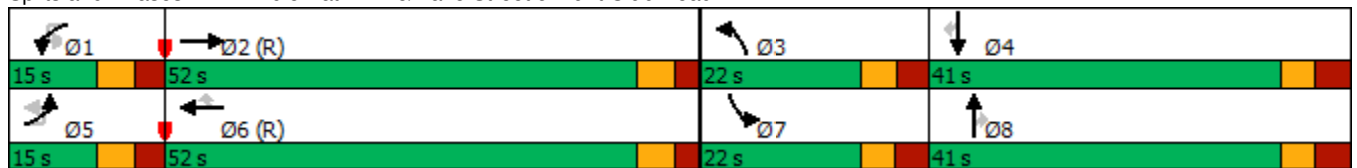


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|-------|-------|-----|-----|------|--------|------|------|-------|------|------|
| v/c Ratio | | 1.71 | 0.41 | | | 0.20 | 0.91 | 0.12 | 0.62 | 0.42 | 0.20 | 0.42 |
| Control Delay | | 388.0 | 12.0 | | | 60.6 | 49.5 | 0.3 | 64.3 | 57.3 | 1.4 | 67.0 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 388.0 | 12.0 | | | 60.6 | 49.5 | 0.3 | 64.3 | 57.3 | 1.4 | 67.0 |
| LOS | | F | B | | | E | D | A | E | E | A | E |
| Approach Delay | | | 64.5 | | | | 46.6 | | | 51.1 | | |
| Approach LOS | | | E | | | | D | | | D | | |
| Queue Length 50th (m) | | ~37.7 | 34.6 | | | 4.5 | 142.2 | 0.0 | 25.6 | 26.9 | 0.0 | 13.0 |
| Queue Length 95th (m) | | #63.1 | 60.4 | | | 12.1 | #206.4 | 0.0 | 37.5 | 43.5 | 0.0 | 25.7 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 112 | 2900 | | | 100 | 1303 | 678 | 390 | 497 | 498 | 209 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 1.71 | 0.41 | | | 0.18 | 0.91 | 0.12 | 0.51 | 0.22 | 0.13 | 0.25 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 135
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.71
 Intersection Signal Delay: 54.0 Intersection LOS: D
 Intersection Capacity Utilization 89.1% ICU Level of Service E
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road


























2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2026 AM Phase 1 Build-out



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.18 | 0.66 |
| Control Delay | 55.8 | 27.1 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 55.8 | 27.1 |
| LOS | E | C |
| Approach Delay | 38.7 | |
| Approach LOS | D | |
| Queue Length 50th (m) | 7.8 | 8.9 |
| Queue Length 95th (m) | 17.1 | 30.8 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 502 | 499 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.06 | 0.35 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road TT 2026 AM Phase 1 Build-out

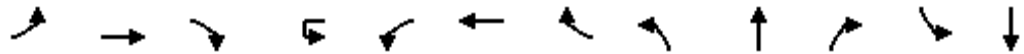
| |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------|---|---|---|---|---|---|--|---|---|---|---|---|
| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
| Lane Configurations |  |  |  | |  |  |  |  |  |  |  |  |
| Traffic Volume (vph) | 143 | 738 | 272 | 1 | 32 | 979 | 195 | 293 | 956 | 23 | 86 | 327 |
| Future Volume (vph) | 143 | 738 | 272 | 1 | 32 | 979 | 195 | 293 | 956 | 23 | 86 | 327 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Storage Lanes | 2 | | 1 | | 1 | | 1 | 2 | | 1 | 2 | |
| Taper Length (m) | 2.5 | | | | 2.5 | | | 2.5 | | | | 2.5 |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.97 | 0.95 |
| Ped Bike Factor | 0.99 | | 0.98 | | 1.00 | | 0.97 | 0.97 | | 0.96 | 0.99 | |
| Fr _t | | | 0.850 | | | | 0.850 | | | 0.850 | | |
| Fl _t Protected | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 | |
| Satd. Flow (prot) | 3190 | 3380 | 1570 | 0 | 1725 | 3411 | 1617 | 3372 | 3544 | 1633 | 3471 | 3444 |
| Fl _t Permitted | 0.950 | | | | | | | 0.950 | | | 0.950 | |
| Satd. Flow (perm) | 3172 | 3380 | 1533 | 0 | 1809 | 3411 | 1572 | 3257 | 3544 | 1569 | 3432 | 3444 |
| Right Turn on Red | | | Yes | | | | Yes | | | Yes | | |
| Satd. Flow (RTOR) | | | 272 | | | | 279 | | | 216 | | |
| Link Speed (k/h) | | 60 | | | | 60 | | | 60 | | | 60 |
| Link Distance (m) | | 152.6 | | | | 161.6 | | | 179.7 | | | 141.8 |
| Travel Time (s) | | 9.2 | | | | 9.7 | | | 10.8 | | | 8.5 |
| Confl. Peds. (#/hr) | 10 | | 9 | | 9 | | 10 | 25 | | 20 | 20 | |
| Confl. Bikes (#/hr) | | | | | | | 3 | | | 3 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 11% | 8% | 4% | 0% | 6% | 7% | 1% | 5% | 3% | 0% | 2% | 6% |
| Adj. Flow (vph) | 143 | 738 | 272 | 1 | 32 | 979 | 195 | 293 | 956 | 23 | 86 | 327 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 143 | 738 | 272 | 0 | 33 | 979 | 195 | 293 | 956 | 23 | 86 | 327 |
| Turn Type | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | Prot | NA |
| Protected Phases | 7 | 4 | | | 3 | 8 | | 5 | 2 | | 1 | 6 |
| Permitted Phases | | | 4 | 3 | | | 8 | | | 2 | | |
| Detector Phase | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 |
| Minimum Split (s) | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 | 34.5 |
| Total Split (s) | 21.0 | 45.0 | 45.0 | 13.0 | 13.0 | 37.0 | 37.0 | 25.0 | 48.0 | 48.0 | 14.0 | 37.0 |
| Total Split (%) | 17.5% | 37.5% | 37.5% | 10.8% | 10.8% | 30.8% | 30.8% | 20.8% | 40.0% | 40.0% | 11.7% | 30.8% |
| Maximum Green (s) | 14.5 | 38.3 | 38.3 | 6.5 | 6.5 | 30.3 | 30.3 | 17.9 | 41.5 | 41.5 | 6.9 | 30.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | 7.1 | 6.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None | C-Max |
| Walk Time (s) | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | | 7.0 |
| Flash Dont Walk (s) | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | 0 |
| Act Effct Green (s) | 10.7 | 43.5 | 43.5 | | 6.4 | 34.1 | 34.1 | 15.2 | 44.3 | 44.3 | 6.8 | 33.2 |
| Actuated g/C Ratio | 0.09 | 0.36 | 0.36 | | 0.05 | 0.28 | 0.28 | 0.13 | 0.37 | 0.37 | 0.06 | 0.28 |

3: Bank Street & Hunt Club Road TT 2026 AM Phase 1 Build-out



| | |
|-------------------------|-------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 151 |
| Future Volume (vph) | 151 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 120.0 |
| Storage Lanes | 1 |
| Taper Length (m) | |
| Lane Util. Factor | 1.00 |
| Ped Bike Factor | 0.96 |
| Frt | 0.850 |
| Flt Protected | |
| Satd. Flow (prot) | 1458 |
| Flt Permitted | |
| Satd. Flow (perm) | 1395 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | 281 |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 25 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 12% |
| Adj. Flow (vph) | 151 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 151 |
| Turn Type | Perm |
| Protected Phases | |
| Permitted Phases | 6 |
| Detector Phase | 6 |
| Switch Phase | |
| Minimum Initial (s) | 10.0 |
| Minimum Split (s) | 34.5 |
| Total Split (s) | 37.0 |
| Total Split (%) | 30.8% |
| Maximum Green (s) | 30.5 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 2.8 |
| Lost Time Adjust (s) | 0.0 |
| Total Lost Time (s) | 6.5 |
| Lead/Lag | Lag |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | C-Max |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 21.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | 33.2 |
| Actuated g/C Ratio | 0.28 |

3: Bank Street & Hunt Club Road TT 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|------------------------|------|-------|------|-----|------|--------|-------|------|-------|------|------|-------|
| v/c Ratio | 0.50 | 0.60 | 0.37 | | 0.35 | 1.01 | 0.30 | 0.68 | 0.73 | 0.03 | 0.44 | 0.34 |
| Control Delay | 57.9 | 34.9 | 5.1 | | 65.1 | 74.7 | 1.7 | 58.4 | 37.6 | 0.1 | 66.3 | 28.4 |
| Queue Delay | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 57.9 | 34.9 | 5.1 | | 65.1 | 74.7 | 1.7 | 58.4 | 37.6 | 0.1 | 66.3 | 28.4 |
| LOS | E | C | A | | E | E | A | E | D | A | E | C |
| Approach Delay | | 30.7 | | | | 62.6 | | | 41.7 | | | 26.9 |
| Approach LOS | | C | | | | E | | | D | | | C |
| Queue Length 50th (m) | 16.8 | 79.4 | 0.0 | | 7.7 | ~123.6 | 0.0 | 34.3 | 105.4 | 0.0 | 10.6 | 22.0 |
| Queue Length 95th (m) | 26.5 | 100.8 | 18.4 | | 18.2 | #179.1 | 1.8 | 47.7 | 130.5 | 0.0 | 18.7 | 30.1 |
| Internal Link Dist (m) | | 128.6 | | | | 137.6 | | | 155.7 | | | 117.8 |
| Turn Bay Length (m) | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Base Capacity (vph) | 385 | 1224 | 729 | | 97 | 968 | 646 | 502 | 1308 | 715 | 199 | 951 |
| Starvation Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.37 | 0.60 | 0.37 | | 0.34 | 1.01 | 0.30 | 0.58 | 0.73 | 0.03 | 0.43 | 0.34 |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 65 (54%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 95

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.01

Intersection Signal Delay: 42.7

Intersection LOS: D

Intersection Capacity Utilization 85.3%

ICU Level of Service E

Analysis Period (min) 15

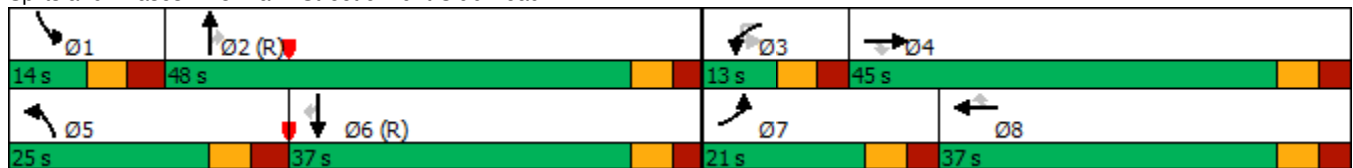
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road TT 2026 AM Phase 1 Build-out



| | |
|------------------------|-------|
| Lane Group | SBR |
| v/c Ratio | 0.26 |
| Control Delay | 1.1 |
| Queue Delay | 0.0 |
| Total Delay | 1.1 |
| LOS | A |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | 0.1 |
| Queue Length 95th (m) | 0.2 |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | 120.0 |
| Base Capacity (vph) | 588 |
| Starvation Cap Reductn | 0 |
| Spillback Cap Reductn | 0 |
| Storage Cap Reductn | 0 |
| Reduced v/c Ratio | 0.26 |
| Intersection Summary | |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| Lane Configurations | | ↕ | ↗ | | ↕ | ↗ | ↖ | ↕↗ | | | ↖ | ↕↗ |
| Traffic Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 965 | 51 | 3 | 17 | 411 |
| Future Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 965 | 51 | 3 | 17 | 411 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | 45.0 | | 0.0 | | 70.0 | |
| Storage Lanes | 0 | | 1 | 0 | | 1 | 1 | | 0 | | 1 | |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | | 7.6 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 0.97 | 0.97 | | 0.98 | 0.95 | 0.99 | 1.00 | | | | 1.00 |
| Frt | | | 0.850 | | | 0.850 | | 0.992 | | | | |
| Flt Protected | | 0.950 | | | 0.950 | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 0 | 1772 | 1570 | 0 | 1738 | 1585 | 1807 | 3417 | 0 | 0 | 1825 | 3349 |
| Flt Permitted | | 0.709 | | | 0.623 | | 0.468 | | | | 0.282 | |
| Satd. Flow (perm) | 0 | 1277 | 1521 | 0 | 1121 | 1505 | 886 | 3417 | 0 | 0 | 540 | 3349 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | | 105 | | | 148 | | 8 | | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | 60 | | | | 60 |
| Link Distance (m) | | 72.9 | | | 188.5 | | | 169.4 | | | | 264.5 |
| Travel Time (s) | | 5.2 | | | 13.6 | | | 10.2 | | | | 15.9 |
| Confl. Peds. (#/hr) | 19 | | 10 | 10 | | 19 | 6 | | 3 | | | 3 |
| Confl. Bikes (#/hr) | | | | | | 2 | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 3% | 0% | 4% | 5% | 0% | 3% | 1% | 6% | 2% | 0% | 0% | 9% |
| Adj. Flow (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 965 | 51 | 3 | 17 | 411 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 122 | 33 | 0 | 73 | 148 | 90 | 1016 | 0 | 0 | 20 | 411 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | pm+pt | NA | | Perm | Perm | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 6 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | | 6 | 6 | |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 2 | | 6 | 6 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 10.0 | | 10.0 | 10.0 | 10.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 34.3 | | 34.3 | 34.3 | 34.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 14.0 | 78.0 | | 64.0 | 64.0 | 64.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 11.7% | 65.0% | | 53.3% | 53.3% | 53.3% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 7.7 | 71.7 | | 57.7 | 57.7 | 57.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | 6.3 | 6.3 | | | 6.3 | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | | | Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | C-Max | | C-Max | C-Max | C-Max |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | 7.0 | | 7.0 | 7.0 | 7.0 |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | 11.0 | | 11.0 | 11.0 | 11.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| Act Effct Green (s) | | 16.9 | 16.9 | | 16.9 | 16.9 | 85.7 | 85.7 | | | 72.0 | 72.0 |
| Actuated g/C Ratio | | 0.14 | 0.14 | | 0.14 | 0.14 | 0.71 | 0.71 | | | 0.60 | 0.60 |

4: Bank Street & Dazé Street/Cahill Drive TT 2026 AM Phase 1 Build-out

| Lane Group | SBR | Ø3 | Ø7 |
|-------------------------|-------|------|------|
| Lane Configurations | | | |
| Traffic Volume (vph) | 123 | | |
| Future Volume (vph) | 123 | | |
| Ideal Flow (vphpl) | 1900 | | |
| Storage Length (m) | 75.0 | | |
| Storage Lanes | 0 | | |
| Taper Length (m) | | | |
| Lane Util. Factor | 1.00 | | |
| Ped Bike Factor | 0.98 | | |
| Frt | 0.850 | | |
| Flt Protected | | | |
| Satd. Flow (prot) | 1498 | | |
| Flt Permitted | | | |
| Satd. Flow (perm) | 1463 | | |
| Right Turn on Red | Yes | | |
| Satd. Flow (RTOR) | 123 | | |
| Link Speed (k/h) | | | |
| Link Distance (m) | | | |
| Travel Time (s) | | | |
| Confl. Peds. (#/hr) | 6 | | |
| Confl. Bikes (#/hr) | | | |
| Peak Hour Factor | 1.00 | | |
| Heavy Vehicles (%) | 9% | | |
| Adj. Flow (vph) | 123 | | |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 123 | | |
| Turn Type | Perm | | |
| Protected Phases | | 3 | 7 |
| Permitted Phases | 6 | | |
| Detector Phase | 6 | | |
| Switch Phase | | | |
| Minimum Initial (s) | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 64.0 | 5.0 | 5.0 |
| Total Split (%) | 53.3% | 4% | 4% |
| Maximum Green (s) | 57.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | | |
| Total Lost Time (s) | 6.3 | | |
| Lead/Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | Max | Max |
| Walk Time (s) | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | | |
| Act Effct Green (s) | 72.0 | | |
| Actuated g/C Ratio | 0.60 | | |

4: Bank Street & Dazé Street/Cahill Drive TT 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|-----|------|------|-----|-------|------|------|-------|-----|-----|------|-------|
| v/c Ratio | | 0.68 | 0.11 | | 0.46 | 0.44 | 0.13 | 0.42 | | | 0.06 | 0.20 |
| Control Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.5 | 5.7 | | | 13.1 | 12.2 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.5 | 5.7 | | | 13.1 | 12.2 |
| LOS | | E | A | | E | B | A | A | | | B | B |
| Approach Delay | | 52.9 | | | 25.6 | | | 5.7 | | | | 10.1 |
| Approach LOS | | D | | | C | | | A | | | | B |
| Queue Length 50th (m) | | 27.7 | 0.0 | | 16.0 | 0.0 | 4.3 | 25.7 | | | 1.8 | 21.7 |
| Queue Length 95th (m) | | 45.1 | 0.0 | | 29.2 | 16.9 | m8.0 | 38.8 | | | 6.5 | 36.1 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | 145.4 | | | | 240.5 |
| Turn Bay Length (m) | | | | | | 40.0 | 45.0 | | | | 70.0 | |
| Base Capacity (vph) | | 328 | 469 | | 288 | 497 | 694 | 2443 | | | 324 | 2009 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | | 0.37 | 0.07 | | 0.25 | 0.30 | 0.13 | 0.42 | | | 0.06 | 0.20 |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 57 (48%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green

Natural Cycle: 90

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 0.68

Intersection Signal Delay: 12.7

Intersection LOS: B

Intersection Capacity Utilization 80.4%

ICU Level of Service D

Analysis Period (min) 15

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive
 TT 2026 AM Phase 1 Build-out



| Lane Group | SBR | Ø3 | Ø7 |
|------------------------|------|----|----|
| v/c Ratio | 0.13 | | |
| Control Delay | 2.7 | | |
| Queue Delay | 0.0 | | |
| Total Delay | 2.7 | | |
| LOS | A | | |
| Approach Delay | | | |
| Approach LOS | | | |
| Queue Length 50th (m) | 0.0 | | |
| Queue Length 95th (m) | 8.9 | | |
| Internal Link Dist (m) | | | |
| Turn Bay Length (m) | 75.0 | | |
| Base Capacity (vph) | 927 | | |
| Starvation Cap Reductn | 0 | | |
| Spillback Cap Reductn | 0 | | |
| Storage Cap Reductn | 0 | | |
| Reduced v/c Ratio | 0.13 | | |
| Intersection Summary | | | |

5: Dazé Street & South Keys SC
 TT 2026 AM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 160 |
| Future Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 160 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 1.00 | 0.99 | | 1.00 | 0.99 | | | 1.00 | | | | |
| Fr _t | | 0.852 | | | 0.883 | | | 0.998 | | | | 0.946 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1722 | 1566 | 0 | 1521 | 1678 | 0 | 1807 | 3571 | 0 | 0 | 1825 | 3376 |
| Fl _t Permitted | 0.752 | | | 0.702 | | | 0.543 | | | | 0.605 | |
| Satd. Flow (perm) | 1360 | 1566 | 0 | 1123 | 1678 | 0 | 1033 | 3571 | 0 | 0 | 1162 | 3376 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 83 | | | 7 | | | 2 | | | | 90 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 2 | | 1 | 1 | | 2 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 6% | 100% | 2% | 20% | 0% | 0% | 1% | 2% | 0% | 0% | 0% | 3% |
| Adj. Flow (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 160 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 35 | 84 | 0 | 5 | 9 | 0 | 115 | 236 | 0 | 0 | 6 | 250 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 1 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | | 5.0 | 5.0 | | 1.4 | 5.0 | | 1.4 | 1.4 | 5.0 |
| Minimum Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 7.3 | 32.9 | | 7.3 | 7.3 | 32.9 |
| Total Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 12.0 | 35.0 | | 12.0 | 12.0 | 35.0 |
| Total Split (%) | 37.3% | 37.3% | | 37.4% | 37.4% | | 16.0% | 46.6% | | 16.0% | 16.0% | 46.6% |
| Maximum Green (s) | 22.0 | 22.0 | | 22.0 | 22.0 | | 6.1 | 29.1 | | 6.1 | 6.1 | 29.1 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.7 | 2.7 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.0 | 6.0 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 7.1 | 7.1 | | 7.0 | 7.0 | | 41.0 | 41.2 | | | 37.1 | 34.2 |
| Actuated g/C Ratio | 0.12 | 0.12 | | 0.12 | 0.12 | | 0.70 | 0.71 | | | 0.64 | 0.59 |

5: Dazé Street & South Keys SC
 TT 2026 AM Phase 1 Build-out



| | |
|-------------------------|------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 90 |
| Future Volume (vph) | 90 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 90 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 TT 2026 AM Phase 1 Build-out

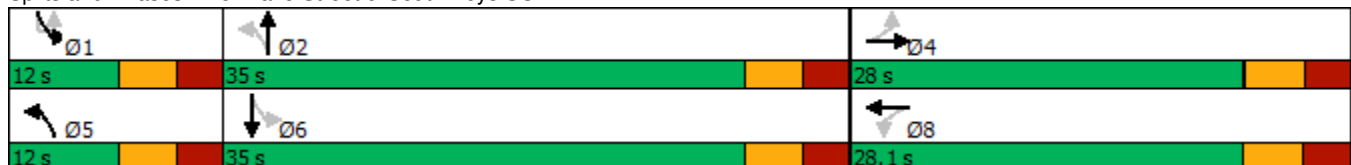


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.21 | 0.32 | | 0.04 | 0.04 | | 0.14 | 0.09 | | | 0.01 | 0.12 |
| Control Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| LOS | C | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 15.3 | | | 19.1 | | | 4.9 | | | | 5.9 |
| Approach LOS | | B | | | B | | | A | | | | A |
| Queue Length 50th (m) | 3.6 | 0.1 | | 0.5 | 0.2 | | 3.3 | 3.5 | | | 0.2 | 4.6 |
| Queue Length 95th (m) | 10.5 | 10.2 | | 3.1 | 3.6 | | 8.2 | 12.8 | | | 1.1 | 10.4 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 517 | 647 | | 425 | 640 | | 806 | 2521 | | | 815 | 2011 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.07 | 0.13 | | 0.01 | 0.01 | | 0.14 | 0.09 | | | 0.01 | 0.12 |

Intersection Summary

Area Type: Other
 Cycle Length: 75.1
 Actuated Cycle Length: 58.4
 Natural Cycle: 70
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.32
 Intersection Signal Delay: 7.2
 Intersection Capacity Utilization 37.4%
 Analysis Period (min) 15
 Intersection LOS: A
 ICU Level of Service A

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC
TT 2026 AM Phase 1 Build-out



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access TT 2026 AM Phase 1 Build-out

| Intersection | | | | | | |
|--------------------------|--------|--------|--------|------|------|------|
| Int Delay, s/veh | 0.2 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 14 | 0 | 351 | 242 | 6 |
| Future Vol, veh/h | 0 | 14 | 0 | 351 | 242 | 6 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 14 | 0 | 351 | 242 | 6 |
| Major/Minor | Minor2 | Major1 | Major2 | | | |
| Conflicting Flow All | - | 124 | - | 0 | - | 0 |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - | - |
| Pot Cap-1 Maneuver | 0 | 910 | 0 | - | - | - |
| Stage 1 | 0 | - | 0 | - | - | - |
| Stage 2 | 0 | - | 0 | - | - | - |
| Platoon blocked, % | | | | - | - | - |
| Mov Cap-1 Maneuver | - | 910 | - | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - | - |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Approach | EB | NB | SB | | | |
| HCM Control Delay, s | 9 | 0 | 0 | | | |
| HCM LOS | A | | | | | |
| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR | | |
| Capacity (veh/h) | - | 910 | - | - | | |
| HCM Lane V/C Ratio | - | 0.015 | - | - | | |
| HCM Control Delay (s) | - | 9 | - | - | | |
| HCM Lane LOS | - | A | - | - | | |
| HCM 95th %tile Q(veh) | - | 0 | - | - | | |

7: Dazé Street & Existing Access
 TT 2026 AM Phase 1 Build-out

Intersection

Int Delay, s/veh 0.7

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 37 | 20 | 351 | 242 | 0 |
| Future Vol, veh/h | 0 | 37 | 20 | 351 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 37 | 20 | 351 | 242 | 0 |

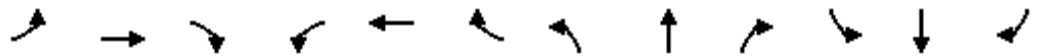
| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 121 | 242 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 914 | 1336 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 914 | 1336 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|-----|-----|----|
| HCM Control Delay, s | 9.1 | 0.4 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|-------|-----|-------|-----|-----|
| Capacity (veh/h) | 1336 | - | 914 | - | - |
| HCM Lane V/C Ratio | 0.015 | - | 0.04 | - | - |
| HCM Control Delay (s) | 7.7 | - | 9.1 | - | - |
| HCM Lane LOS | A | - | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | 0.1 | - | - |

1: Airport Parkway & Hunt Club Road

TT 2026 PM Phase 1 Build-out

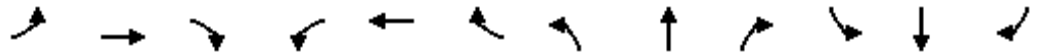


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 175 | 1336 | 33 | 80 | 1300 | 343 | 15 | 0 | 139 | 606 | 0 | 282 |
| Future Volume (vph) | 175 | 1336 | 33 | 80 | 1300 | 343 | 15 | 0 | 139 | 606 | 0 | 282 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 1.00 | | 0.99 | | | | | 0.99 |
| Fr _t | | 0.996 | | | 0.969 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3464 | 0 | 1615 | 3425 | 0 | 1706 | 0 | 1570 | 3506 | 0 | 1617 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1805 | 3464 | 0 | 1613 | 3425 | 0 | 1688 | 0 | 1570 | 3506 | 0 | 1593 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 28 | | | | 164 | | | 282 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | 80 | |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | 189.5 | |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | 8.5 | |
| Confl. Peds. (#/hr) | 11 | | 5 | 5 | | 11 | 3 | | | | | 3 |
| Confl. Bikes (#/hr) | | | 1 | | | | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 5% | 0% | 13% | 3% | 2% | 7% | 0% | 4% | 1% | 0% | 1% |
| Adj. Flow (vph) | 175 | 1336 | 33 | 80 | 1300 | 343 | 15 | 0 | 139 | 606 | 0 | 282 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 175 | 1369 | 0 | 80 | 1643 | 0 | 15 | 0 | 139 | 606 | 0 | 282 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 17.2 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 28.0 | 53.0 | | 28.0 | 53.0 | | 19.0 | | 19.0 | 49.0 | | 49.0 |
| Total Split (%) | 21.5% | 40.8% | | 21.5% | 40.8% | | 14.6% | | 14.6% | 37.7% | | 37.7% |
| Maximum Green (s) | 20.6 | 45.7 | | 20.6 | 45.7 | | 11.2 | | 11.2 | 41.2 | | 41.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 17.8 | 69.9 | | 11.8 | 61.0 | | 28.7 | | 28.7 | 28.7 | | 28.7 |
| Actuated g/C Ratio | 0.14 | 0.54 | | 0.09 | 0.47 | | 0.22 | | 0.22 | 0.22 | | 0.22 |

1: Airport Parkway & Hunt Club Road
 TT 2026 PM Phase 1 Build-out

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road
 TT 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|--------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.71 | 0.73 | | 0.55 | 1.01 | | 0.04 | | 0.29 | 0.78 | | 0.49 |
| Control Delay | 68.9 | 28.6 | | 55.2 | 51.1 | | 37.3 | | 4.8 | 54.9 | | 7.3 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 68.9 | 28.6 | | 55.2 | 51.1 | | 37.3 | | 4.8 | 54.9 | | 7.3 |
| LOS | E | C | | E | D | | D | | A | D | | A |
| Approach Delay | | 33.1 | | | 51.3 | | | 8.0 | | | | 39.8 |
| Approach LOS | | C | | | D | | | A | | | | D |
| Queue Length 50th (m) | 43.5 | 143.3 | | 20.4 | ~138.7 | | 3.0 | | 0.0 | 75.9 | | 0.0 |
| Queue Length 95th (m) | 64.5 | #218.5 | | m23.4 | m#279.6 | | 8.4 | | 10.3 | 89.8 | | 20.4 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 295 | 1863 | | 255 | 1621 | | 373 | | 474 | 1111 | | 697 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.59 | 0.73 | | 0.31 | 1.01 | | 0.04 | | 0.29 | 0.55 | | 0.40 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 145
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.01
 Intersection Signal Delay: 40.9 Intersection LOS: D
 Intersection Capacity Utilization 92.9% ICU Level of Service F
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road

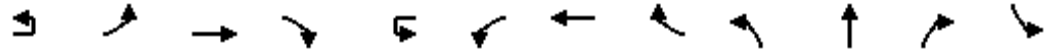


1: Airport Parkway & Hunt Club Road

TT 2026 PM Phase 1 Build-out

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2026 PM Phase 1 Build-out



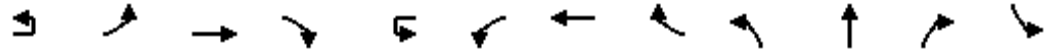
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↕↕↕ | | | ↔ | ↕↕ | ↔ | ↔↔ | ↕ | ↔ | ↔↔ |
| Traffic Volume (vph) | 33 | 287 | 1426 | 244 | 28 | 37 | 1298 | 95 | 141 | 108 | 75 | 115 |
| Future Volume (vph) | 33 | 287 | 1426 | 244 | 28 | 37 | 1298 | 95 | 141 | 108 | 75 | 115 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 1.00 | | 0.93 | 0.93 | | 0.96 | 0.98 |
| Fr _t | | | 0.978 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3509 | 4825 | 0 | 0 | 1825 | 3544 | 1617 | 3404 | 1921 | 1617 | 1807 |
| Fl _t Permitted | | 0.176 | | | | 0.208 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 643 | 4825 | 0 | 0 | 398 | 3544 | 1511 | 3176 | 1921 | 1556 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 29 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 35 | | 25 | | 25 | | 35 | 44 | | 22 | 22 |
| Confl. Bikes (#/hr) | | | | 1 | | | | | | | 1 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 1% | 5% | 5% | 0% | 0% | 3% | 1% | 4% | 0% | 1% | 1% |
| Adj. Flow (vph) | 33 | 287 | 1426 | 244 | 28 | 37 | 1298 | 95 | 141 | 108 | 75 | 115 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 320 | 1670 | 0 | 0 | 65 | 1298 | 95 | 141 | 108 | 75 | 115 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 18.0 | 18.0 | 54.0 | | 18.0 | 18.0 | 54.0 | 54.0 | 17.0 | 41.0 | 41.0 | 17.0 |
| Total Split (%) | 13.8% | 13.8% | 41.5% | | 13.8% | 13.8% | 41.5% | 41.5% | 13.1% | 31.5% | 31.5% | 13.1% |
| Maximum Green (s) | 11.5 | 11.5 | 47.8 | | 11.5 | 11.5 | 47.8 | 47.8 | 10.5 | 34.0 | 34.0 | 10.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Max | | None | None | C-Max | C-Max | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 22.7 | 51.3 | | | 19.2 | 47.8 | 47.8 | 9.7 | 22.9 | 22.9 | 10.2 |
| Actuated g/C Ratio | | 0.17 | 0.39 | | | 0.15 | 0.37 | 0.37 | 0.07 | 0.18 | 0.18 | 0.08 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road TT 2026 PM Phase 1 Build-out



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 163 | 329 |
| Future Volume (vph) | 163 | 329 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.94 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1902 | 1617 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1902 | 1517 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 44 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 1% |
| Adj. Flow (vph) | 163 | 329 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 163 | 329 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 23.5 | 23.5 |
| Actuated g/C Ratio | 0.18 | 0.18 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2026 PM Phase 1 Build-out

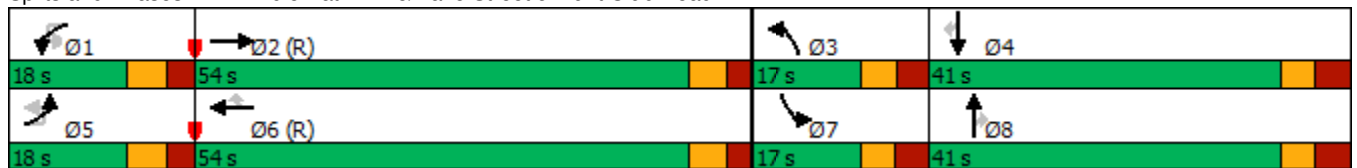


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|--------|--------|-----|-----|-------|--------|------|------|-------|------|-------|
| v/c Ratio | | 2.86 | 0.87 | | | 1.10 | 1.00 | 0.15 | 0.56 | 0.32 | 0.19 | 0.81 |
| Control Delay | | 874.7 | 37.3 | | | 201.6 | 65.1 | 1.5 | 66.5 | 46.6 | 1.1 | 97.0 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 874.7 | 37.3 | | | 201.6 | 65.1 | 1.5 | 66.5 | 46.6 | 1.1 | 97.0 |
| LOS | | F | D | | | F | E | A | E | D | A | F |
| Approach Delay | | | 171.9 | | | | 67.0 | | | 44.7 | | |
| Approach LOS | | | F | | | | E | | | D | | |
| Queue Length 50th (m) | | ~75.5 | 145.0 | | | 16.9 | 173.5 | 0.0 | 18.1 | 24.1 | 0.0 | 29.5 |
| Queue Length 95th (m) | | #113.2 | #162.2 | | | #55.6 | #223.3 | 2.9 | 29.0 | 37.3 | 0.0 | #61.1 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 112 | 1921 | | | 59 | 1303 | 646 | 274 | 502 | 508 | 144 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 2.86 | 0.87 | | | 1.10 | 1.00 | 0.15 | 0.51 | 0.22 | 0.15 | 0.80 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 125
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 2.86
 Intersection Signal Delay: 111.9 Intersection LOS: F
 Intersection Capacity Utilization 98.3% ICU Level of Service F
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

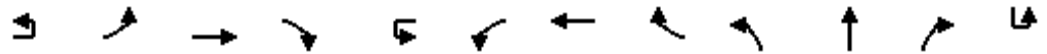


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2026 PM Phase 1 Build-out



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.47 | 0.85 |
| Control Delay | 50.5 | 49.2 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 50.5 | 49.2 |
| LOS | D | D |
| Approach Delay | 58.6 | |
| Approach LOS | E | |
| Queue Length 50th (m) | 37.6 | 49.5 |
| Queue Length 95th (m) | 53.9 | 77.7 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 497 | 497 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.33 | 0.66 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road TT 2026 PM Phase 1 Build-out



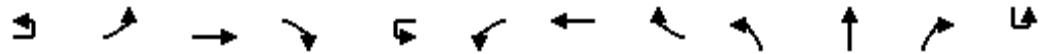
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|---------------------------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| Lane Configurations | | ↗↗ | ↕↕ | ↖ | | ↖ | ↕↕ | ↖ | ↗↗ | ↕↕ | ↖ | |
| Traffic Volume (vph) | 4 | 165 | 931 | 371 | 1 | 48 | 838 | 183 | 339 | 532 | 56 | 1 |
| Future Volume (vph) | 4 | 165 | 931 | 371 | 1 | 48 | 838 | 183 | 339 | 532 | 56 | 1 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | |
| Storage Lanes | | 2 | | 1 | | 1 | | 1 | 2 | | 1 | |
| Taper Length (m) | | 2.5 | | | | 2.5 | | | 2.5 | | | |
| Lane Util. Factor | 0.95 | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 1.00 | | 0.96 | | 0.99 | | 0.98 | 0.97 | | 0.96 | |
| Fr _t | | | | 0.850 | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | |
| Satd. Flow (prot) | 0 | 3314 | 3510 | 1601 | 0 | 1756 | 3579 | 1617 | 3506 | 3579 | 1601 | 0 |
| Fl _t Permitted | | 0.381 | | | | 0.667 | | | 0.950 | | | |
| Satd. Flow (perm) | 0 | 1326 | 3510 | 1532 | 0 | 1225 | 3579 | 1583 | 3400 | 3579 | 1535 | 0 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | | 279 | | | | 183 | | | 157 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 60 | | |
| Link Distance (m) | | | 152.6 | | | | 161.6 | | | 179.7 | | |
| Travel Time (s) | | | 9.2 | | | | 9.7 | | | 10.8 | | |
| Confl. Peds. (#/hr) | | 4 | | 21 | | 21 | | 4 | 55 | | 22 | |
| Confl. Bikes (#/hr) | | | | 5 | | | | 4 | | | 2 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 7% | 4% | 2% | 0% | 4% | 2% | 1% | 1% | 2% | 2% | 0% |
| Adj. Flow (vph) | 4 | 165 | 931 | 371 | 1 | 48 | 838 | 183 | 339 | 532 | 56 | 1 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 169 | 931 | 371 | 0 | 49 | 838 | 183 | 339 | 532 | 56 | 0 |
| Turn Type | custom | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | custom |
| Protected Phases | | 7 | 4 | | | 3 | 8 | | 5 | 2 | | |
| Permitted Phases | 7 | | | 4 | 3 | | | 8 | | | 2 | 1 |
| Detector Phase | 7 | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 |
| Total Split (s) | 17.0 | 17.0 | 41.0 | 41.0 | 14.0 | 14.0 | 38.0 | 38.0 | 19.0 | 46.0 | 46.0 | 19.0 |
| Total Split (%) | 14.2% | 14.2% | 34.2% | 34.2% | 11.7% | 11.7% | 31.7% | 31.7% | 15.8% | 38.3% | 38.3% | 15.8% |
| Maximum Green (s) | 10.5 | 10.5 | 34.3 | 34.3 | 7.5 | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | 11.9 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | |
| Lead/Lag | Lead | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None |
| Walk Time (s) | | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | |
| Pedestrian Calls (#/hr) | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 10.5 | 37.1 | 37.1 | | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | |
| Actuated g/C Ratio | | 0.09 | 0.31 | 0.31 | | 0.06 | 0.26 | 0.26 | 0.10 | 0.33 | 0.33 | |

3: Bank Street & Hunt Club Road TT 2026 PM Phase 1 Build-out



| Lane Group | SBL | SBT | SBR |
|---------------------------|-------|-------|-------|
| Lane Configurations | ↔↔ | ↑↑ | ↔ |
| Traffic Volume (vph) | 229 | 981 | 227 |
| Future Volume (vph) | 229 | 981 | 227 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 |
| Storage Length (m) | 30.0 | | 120.0 |
| Storage Lanes | 2 | | 1 |
| Taper Length (m) | 2.5 | | |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 |
| Ped Bike Factor | 0.98 | | 0.92 |
| Fr _t | | | 0.850 |
| Fl _t Protected | 0.950 | | |
| Satd. Flow (prot) | 3506 | 3579 | 1555 |
| Fl _t Permitted | 0.336 | | |
| Satd. Flow (perm) | 1218 | 3579 | 1425 |
| Right Turn on Red | | | Yes |
| Satd. Flow (RTOR) | | | 157 |
| Link Speed (k/h) | | 60 | |
| Link Distance (m) | | 141.8 | |
| Travel Time (s) | | 8.5 | |
| Confl. Peds. (#/hr) | 22 | | 55 |
| Confl. Bikes (#/hr) | | | 4 |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 2% | 5% |
| Adj. Flow (vph) | 229 | 981 | 227 |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 230 | 981 | 227 |
| Turn Type | Prot | NA | Perm |
| Protected Phases | 1 | 6 | |
| Permitted Phases | | | 6 |
| Detector Phase | 1 | 6 | 6 |
| Switch Phase | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 |
| Minimum Split (s) | 12.1 | 34.5 | 34.5 |
| Total Split (s) | 19.0 | 46.0 | 46.0 |
| Total Split (%) | 15.8% | 38.3% | 38.3% |
| Maximum Green (s) | 11.9 | 39.5 | 39.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 3.4 | 2.8 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 7.1 | 6.5 | 6.5 |
| Lead/Lag | Lead | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | C-Max | C-Max |
| Walk Time (s) | | 7.0 | 7.0 |
| Flash Dont Walk (s) | | 21.0 | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 |
| Act Effct Green (s) | 11.9 | 39.5 | 39.5 |
| Actuated g/C Ratio | 0.10 | 0.33 | 0.33 |

3: Bank Street & Hunt Club Road TT 2026 PM Phase 1 Build-out



| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|------------------------|-----|-------|--------|------|-----|-------|--------|-------|-------|-------|------|-----|
| v/c Ratio | | 1.46 | 0.86 | 0.56 | | 0.64 | 0.90 | 0.33 | 0.98 | 0.45 | 0.09 | |
| Control Delay | | 285.6 | 49.1 | 12.9 | | 91.1 | 56.4 | 6.7 | 97.0 | 33.2 | 0.3 | |
| Queue Delay | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | | 285.6 | 49.1 | 12.9 | | 91.1 | 56.4 | 6.7 | 97.0 | 33.2 | 0.3 | |
| LOS | | F | D | B | | F | E | A | F | C | A | |
| Approach Delay | | | 67.1 | | | | 49.5 | | | 54.5 | | |
| Approach LOS | | | E | | | | D | | | D | | |
| Queue Length 50th (m) | | ~28.0 | 112.3 | 16.5 | | 11.5 | 100.6 | 0.0 | 41.7 | 51.7 | 0.0 | |
| Queue Length 95th (m) | | #50.2 | #150.4 | 47.3 | | #30.7 | #134.6 | 17.1 | #71.0 | 67.7 | 0.0 | |
| Internal Link Dist (m) | | | 128.6 | | | | 137.6 | | | 155.7 | | |
| Turn Bay Length (m) | | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | 60.0 | |
| Base Capacity (vph) | | 116 | 1085 | 666 | | 76 | 933 | 548 | 347 | 1178 | 610 | |
| Starvation Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spillback Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Storage Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Reduced v/c Ratio | | 1.46 | 0.86 | 0.56 | | 0.64 | 0.90 | 0.33 | 0.98 | 0.45 | 0.09 | |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 23 (19%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 105

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.92

Intersection Signal Delay: 70.9

Intersection LOS: E

Intersection Capacity Utilization 89.0%

ICU Level of Service E

Analysis Period (min) 15

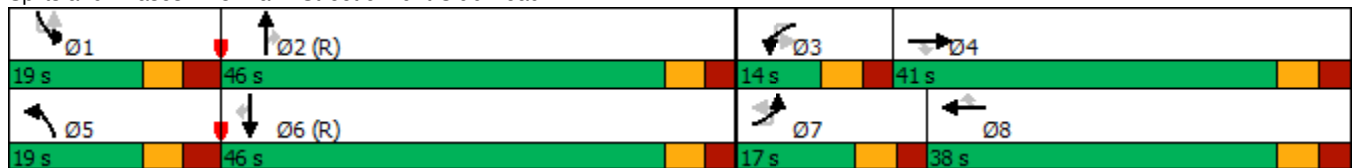
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road
 TT 2026 PM Phase 1 Build-out



| Lane Group | SBL | SBT | SBR |
|-----------------------------|-------|-------|-------|
| v/c Ratio | 1.92 | 0.83 | 0.40 |
| Control Delay | 471.8 | 35.5 | 10.6 |
| Queue Delay | 0.0 | 0.0 | 0.0 |
| Total Delay | 471.8 | 35.5 | 10.6 |
| LOS | F | D | B |
| Approach Delay | | 101.4 | |
| Approach LOS | | F | |
| Queue Length 50th (m) | ~44.2 | 48.0 | 3.3 |
| Queue Length 95th (m) | #69.8 | 89.5 | 26.7 |
| Internal Link Dist (m) | | 117.8 | |
| Turn Bay Length (m) | 30.0 | | 120.0 |
| Base Capacity (vph) | 120 | 1178 | 574 |
| Starvation Cap Reductn | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 |
| Reduced v/c Ratio | 1.92 | 0.83 | 0.40 |
| Intersection Summary | | | |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|---------------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|--------|-------|
| Lane Configurations | | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↕ | ↗ | | ↗ |
| Traffic Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 658 | 92 | 4 | 146 |
| Future Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 658 | 92 | 4 | 146 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | | 45.0 | | 0.0 | | 70.0 |
| Storage Lanes | 0 | | 1 | 0 | | 1 | | 1 | | 0 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | | 7.6 | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 |
| Ped Bike Factor | | 0.92 | 0.95 | | 0.97 | 0.90 | | | 0.99 | | | 0.99 |
| Fr _t | | | 0.850 | | | 0.850 | | | 0.982 | | | |
| Fl _t Protected | | 0.953 | | | 0.950 | | | 0.950 | | | | 0.950 |
| Satd. Flow (prot) | 0 | 1813 | 1617 | 0 | 1659 | 1633 | 0 | 1825 | 3482 | 0 | 0 | 1807 |
| Fl _t Permitted | | 0.668 | | | 0.548 | | | 0.159 | | | | 0.317 |
| Satd. Flow (perm) | 0 | 1172 | 1535 | 0 | 932 | 1471 | 0 | 305 | 3482 | 0 | 0 | 594 |
| Right Turn on Red | | | Yes | | | Yes | | | | Yes | | |
| Satd. Flow (RTOR) | | | 132 | | | 105 | | | 17 | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | | 60 | | | |
| Link Distance (m) | | 72.9 | | | 188.5 | | | | 169.4 | | | |
| Travel Time (s) | | 5.2 | | | 13.6 | | | | 10.2 | | | |
| Confl. Peds. (#/hr) | 44 | | 18 | 18 | | 44 | | 30 | | 19 | | 19 |
| Confl. Bikes (#/hr) | | | 4 | | | 1 | | | | 2 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 0% | 1% | 10% | 0% | 0% | 0% | 0% | 2% | 1% | 0% | 1% |
| Adj. Flow (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 658 | 92 | 4 | 146 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 161 | 132 | 0 | 82 | 101 | 0 | 160 | 750 | 0 | 0 | 150 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | custom | pm+pt | NA | | custom | pm+pt |
| Protected Phases | | 4 | | | 8 | | | 5 | 2 | | | 1 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 5 | 2 | | | 1 | 6 |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 5 | 2 | | 1 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 11.3 | 34.3 | | 11.3 | 11.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 17.0 | 17.0 | 61.0 | | 17.0 | 17.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 14.2% | 14.2% | 50.8% | | 14.2% | 14.2% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 10.7 | 10.7 | 54.7 | | 10.7 | 10.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | 2.6 | | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | | 6.3 | 6.3 | | | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | Lead | Lag | | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | None | C-Max | | None | None |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | | 7.0 | | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | | 11.0 | | | |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | |
| Act Effct Green (s) | | 21.7 | 21.7 | | 21.7 | 21.7 | | 74.7 | 65.6 | | | 74.5 |
| Actuated g/C Ratio | | 0.18 | 0.18 | | 0.18 | 0.18 | | 0.62 | 0.55 | | | 0.62 |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2026 PM Phase 1 Build-out



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|---------------------------|-------|-------|------|------|
| Lane Configurations | ↑↑ | ↑ | | |
| Traffic Volume (vph) | 1174 | 330 | | |
| Future Volume (vph) | 1174 | 330 | | |
| Ideal Flow (vphpl) | 1900 | 1900 | | |
| Storage Length (m) | | 75.0 | | |
| Storage Lanes | | 0 | | |
| Taper Length (m) | | | | |
| Lane Util. Factor | 0.95 | 1.00 | | |
| Ped Bike Factor | | 0.93 | | |
| Fr _t | | 0.850 | | |
| Fl _t Protected | | | | |
| Satd. Flow (prot) | 3579 | 1633 | | |
| Fl _t Permitted | | | | |
| Satd. Flow (perm) | 3579 | 1514 | | |
| Right Turn on Red | | Yes | | |
| Satd. Flow (RTOR) | | 324 | | |
| Link Speed (k/h) | 60 | | | |
| Link Distance (m) | 264.5 | | | |
| Travel Time (s) | 15.9 | | | |
| Confl. Peds. (#/hr) | | 30 | | |
| Confl. Bikes (#/hr) | | 5 | | |
| Peak Hour Factor | 1.00 | 1.00 | | |
| Heavy Vehicles (%) | 2% | 0% | | |
| Adj. Flow (vph) | 1174 | 330 | | |
| Shared Lane Traffic (%) | | | | |
| Lane Group Flow (vph) | 1174 | 330 | | |
| Turn Type | NA | Perm | | |
| Protected Phases | 6 | | 3 | 7 |
| Permitted Phases | | 6 | | |
| Detector Phase | 6 | 6 | | |
| Switch Phase | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 61.0 | 61.0 | 5.0 | 5.0 |
| Total Split (%) | 50.8% | 50.8% | 4% | 4% |
| Maximum Green (s) | 54.7 | 54.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | |
| Total Lost Time (s) | 6.3 | 6.3 | | |
| Lead/Lag | Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | C-Max | Max | Max |
| Walk Time (s) | 7.0 | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | 0 | | |
| Act Effct Green (s) | 65.5 | 65.5 | | |
| Actuated g/C Ratio | 0.55 | 0.55 | | |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|------------------------|-----|------|------|-----|-------|------|-----|-------|-------|-----|-----|------|
| v/c Ratio | | 0.76 | 0.34 | | 0.49 | 0.29 | | 0.52 | 0.39 | | | 0.33 |
| Control Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 27.0 | 14.2 | | | 10.3 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 27.0 | 14.2 | | | 10.3 |
| LOS | | E | A | | D | A | | C | B | | | B |
| Approach Delay | | 41.3 | | | 28.1 | | | | 16.5 | | | |
| Approach LOS | | D | | | C | | | | B | | | |
| Queue Length 50th (m) | | 36.4 | 0.0 | | 17.5 | 0.0 | | 22.6 | 37.8 | | | 11.5 |
| Queue Length 95th (m) | | 55.5 | 14.9 | | 31.0 | 12.6 | | m38.6 | m47.3 | | | 23.8 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | | 145.4 | | | |
| Turn Bay Length (m) | | | | | | 40.0 | | 45.0 | | | | 70.0 |
| Base Capacity (vph) | | 301 | 493 | | 239 | 456 | | 330 | 1911 | | | 486 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Reduced v/c Ratio | | 0.53 | 0.27 | | 0.34 | 0.22 | | 0.48 | 0.39 | | | 0.31 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 14 (12%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.76
 Intersection Signal Delay: 19.8 Intersection LOS: B
 Intersection Capacity Utilization 87.7% ICU Level of Service E
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive
 TT 2026 PM Phase 1 Build-out



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|------------------------|-------|------|----|----|
| v/c Ratio | 0.60 | 0.34 | | |
| Control Delay | 21.5 | 3.2 | | |
| Queue Delay | 0.0 | 0.0 | | |
| Total Delay | 21.5 | 3.2 | | |
| LOS | C | A | | |
| Approach Delay | 16.8 | | | |
| Approach LOS | B | | | |
| Queue Length 50th (m) | 94.6 | 0.6 | | |
| Queue Length 95th (m) | 140.4 | 16.5 | | |
| Internal Link Dist (m) | 240.5 | | | |
| Turn Bay Length (m) | | 75.0 | | |
| Base Capacity (vph) | 1952 | 973 | | |
| Starvation Cap Reductn | 0 | 0 | | |
| Spillback Cap Reductn | 0 | 0 | | |
| Storage Cap Reductn | 0 | 0 | | |
| Reduced v/c Ratio | 0.60 | 0.34 | | |
| Intersection Summary | | | | |

5: Dazé Street & South Keys SC
 TT 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 299 |
| Future Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 299 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 0.99 | 0.98 | | 1.00 | 0.98 | | 1.00 | 1.00 | | | 0.99 | 0.99 |
| Fr _t | | 0.852 | | | 0.885 | | | 0.988 | | | | 0.952 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1825 | 1608 | 0 | 1825 | 1673 | 0 | 1825 | 3564 | 0 | 0 | 1825 | 3412 |
| Fl _t Permitted | 0.746 | | | 0.389 | | | 0.440 | | | | 0.616 | |
| Satd. Flow (perm) | 1421 | 1608 | 0 | 745 | 1673 | 0 | 843 | 3564 | 0 | 0 | 1174 | 3412 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 221 | | | 13 | | | 12 | | | | 74 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 6 | | 3 | 3 | | 6 | 3 | | 5 | | 5 | |
| Confl. Bikes (#/hr) | | | 2 | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% |
| Adj. Flow (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 299 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 85 | 224 | 0 | 2 | 17 | 0 | 195 | 217 | 0 | 0 | 22 | 441 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | 1 | 6 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | | 10.0 | 10.0 | | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 |
| Minimum Split (s) | 28.1 | 28.1 | | 28.1 | 28.1 | | 10.9 | 32.9 | | 10.9 | 10.9 | 32.9 |
| Total Split (s) | 36.1 | 36.1 | | 36.1 | 36.1 | | 35.0 | 58.0 | | 15.9 | 15.9 | 38.9 |
| Total Split (%) | 32.8% | 32.8% | | 32.8% | 32.8% | | 31.8% | 52.7% | | 14.5% | 14.5% | 35.4% |
| Maximum Green (s) | 30.0 | 30.0 | | 30.0 | 30.0 | | 29.1 | 52.1 | | 10.0 | 10.0 | 33.0 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.1 | 6.1 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 11.4 | 11.4 | | 11.4 | 11.4 | | 56.2 | 52.6 | | | 48.3 | 42.5 |
| Actuated g/C Ratio | 0.14 | 0.14 | | 0.14 | 0.14 | | 0.70 | 0.65 | | | 0.60 | 0.53 |

5: Dazé Street & South Keys SC
 TT 2026 PM Phase 1 Build-out



| | |
|-------------------------|------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 142 |
| Future Volume (vph) | 142 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 3 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 142 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 TT 2026 PM Phase 1 Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.42 | 0.54 | | 0.02 | 0.07 | | 0.28 | 0.09 | | | 0.03 | 0.24 |
| Control Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.1 | 6.2 | | | 4.4 | 9.0 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.1 | 6.2 | | | 4.4 | 9.0 |
| LOS | D | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 18.6 | | | 21.0 | | | 5.6 | | | | 8.8 |
| Approach LOS | | B | | | C | | | A | | | | A |
| Queue Length 50th (m) | 11.1 | 0.4 | | 0.2 | 0.5 | | 7.4 | 3.8 | | | 0.8 | 13.7 |
| Queue Length 95th (m) | 27.1 | 19.3 | | 2.3 | 6.2 | | 16.3 | 12.9 | | | 2.9 | 25.7 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 535 | 743 | | 280 | 638 | | 955 | 2335 | | | 849 | 1838 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.16 | 0.30 | | 0.01 | 0.03 | | 0.20 | 0.09 | | | 0.03 | 0.24 |

Intersection Summary

Area Type: Other
 Cycle Length: 110
 Actuated Cycle Length: 80.4
 Natural Cycle: 75
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.54
 Intersection Signal Delay: 10.4
 Intersection LOS: B
 Intersection Capacity Utilization 62.8%
 ICU Level of Service B
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC

TT 2026 PM Phase 1 Build-out



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access
 TT 2026 PM Phase 1 Build-out

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.1 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 9 | 0 | 432 | 553 | 12 |
| Future Vol, veh/h | 0 | 9 | 0 | 432 | 553 | 12 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 9 | 0 | 432 | 553 | 12 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 283 | - | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - |
| Pot Cap-1 Maneuver | 0 | 720 | 0 | - | - |
| Stage 1 | 0 | - | 0 | - | - |
| Stage 2 | 0 | - | 0 | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 720 | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|------|----|----|
| HCM Control Delay, s | 10.1 | 0 | 0 |
| HCM LOS | B | | |

| Minor Lane/Major Mvmt | NBT EBLn1 | SBT | SBR |
|-----------------------|-----------|-----|-----|
| Capacity (veh/h) | - 720 | - | - |
| HCM Lane V/C Ratio | - 0.013 | - | - |
| HCM Control Delay (s) | - 10.1 | - | - |
| HCM Lane LOS | - B | - | - |
| HCM 95th %tile Q(veh) | - 0 | - | - |

7: Dazé Street & Existing Access
 TT 2026 PM Phase 1 Build-out

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.9 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 45 | 58 | 432 | 553 | 0 |
| Future Vol, veh/h | 0 | 45 | 58 | 432 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 45 | 58 | 432 | 553 | 0 |

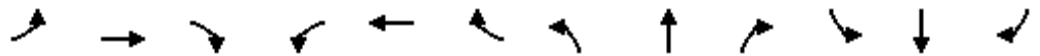
| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 277 | 553 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 726 | 1027 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 726 | 1027 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|------|----|----|
| HCM Control Delay, s | 10.3 | 1 | 0 |
| HCM LOS | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|-------|-----|-------|-----|-----|
| Capacity (veh/h) | 1027 | - | 726 | - | - |
| HCM Lane V/C Ratio | 0.056 | - | 0.062 | - | - |
| HCM Control Delay (s) | 8.7 | - | 10.3 | - | - |
| HCM Lane LOS | A | - | B | - | - |
| HCM 95th %tile Q(veh) | 0.2 | - | 0.2 | - | - |

Future (2031) Total Traffic

1: Airport Parkway & Hunt Club Road
 TT 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|------|-------|
| Lane Configurations | ↖ | ↗ | | ↖ | ↗ | | ↖ | | ↗ | ↖↗ | | ↖ |
| Traffic Volume (vph) | 356 | 1118 | 25 | 69 | 991 | 632 | 16 | 0 | 86 | 265 | 0 | 152 |
| Future Volume (vph) | 356 | 1118 | 25 | 69 | 991 | 632 | 16 | 0 | 86 | 265 | 0 | 152 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 0.99 | | | | | | | |
| Fr _t | | 0.997 | | | 0.942 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3436 | 0 | 1630 | 3186 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1806 | 3436 | 0 | 1628 | 3186 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 117 | | | | 164 | | | 152 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | | 80 |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | | 189.5 |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | | 8.5 |
| Confl. Peds. (#/hr) | 7 | | 2 | 2 | | 7 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | 1 | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 6% | 0% | 12% | 11% | 1% | 7% | 0% | 12% | 3% | 0% | 4% |
| Adj. Flow (vph) | 356 | 1118 | 25 | 69 | 991 | 632 | 16 | 0 | 86 | 265 | 0 | 152 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 356 | 1143 | 0 | 69 | 1623 | 0 | 16 | 0 | 86 | 265 | 0 | 152 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 12.4 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 32.0 | 50.0 | | 32.0 | 50.0 | | 18.0 | | 18.0 | 48.0 | | 48.0 |
| Total Split (%) | 24.6% | 38.5% | | 24.6% | 38.5% | | 13.8% | | 13.8% | 36.9% | | 36.9% |
| Maximum Green (s) | 24.6 | 42.7 | | 24.6 | 42.7 | | 10.2 | | 10.2 | 40.2 | | 40.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 35.4 | 84.0 | | 10.9 | 56.7 | | 15.4 | | 15.4 | 15.4 | | 15.4 |
| Actuated g/C Ratio | 0.27 | 0.65 | | 0.08 | 0.44 | | 0.12 | | 0.12 | 0.12 | | 0.12 |

1: Airport Parkway & Hunt Club Road
 TT 2031 AM Phase 1 Horizon Year

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

TT 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|-------|-----|---------------|--------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.72 | 0.51 | | 0.51 | 1.12 | | 0.08 | | 0.27 | 0.65 | | 0.48 |
| Control Delay | 52.3 | 14.8 | | 48.4 | 90.7 | | 50.1 | | 2.1 | 62.2 | | 12.7 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 52.3 | 14.8 | | 48.4 | 90.7 | | 50.1 | | 2.1 | 62.2 | | 12.7 |
| LOS | D | B | | D | F | | D | | A | E | | B |
| Approach Delay | | 23.7 | | | 89.0 | | | 9.6 | | | | 44.1 |
| Approach LOS | | C | | | F | | | A | | | | D |
| Queue Length 50th (m) | 83.5 | 81.2 | | 16.8 | ~232.6 | | 3.7 | | 0.0 | 33.9 | | 0.0 |
| Queue Length 95th (m) | 115.1 | 118.1 | | m22.5 m#287.8 | | | 10.4 | | 0.0 | 46.4 | | 18.8 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 492 | 2220 | | 308 | 1454 | | 202 | | 317 | 1062 | | 590 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.72 | 0.51 | | 0.22 | 1.12 | | 0.08 | | 0.27 | 0.25 | | 0.26 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 150

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.12

Intersection Signal Delay: 55.4

Intersection LOS: E

Intersection Capacity Utilization 94.7%

ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road

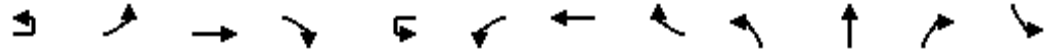


1: Airport Parkway & Hunt Club Road

TT 2031 AM Phase 1 Horizon Year

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2031 AM Phase 1 Horizon Year



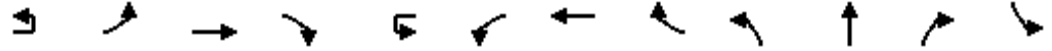
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↕↕↕ | | | ↔ | ↕↕ | ↔ | ↔↔ | ↕ | ↔ | ↔ |
| Traffic Volume (vph) | 19 | 172 | 1110 | 98 | 2 | 16 | 1218 | 78 | 200 | 109 | 67 | 49 |
| Future Volume (vph) | 19 | 172 | 1110 | 98 | 2 | 16 | 1218 | 78 | 200 | 109 | 67 | 49 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 0.99 | | 0.96 | 0.94 | | 0.99 | 1.00 |
| Fr _t | | | 0.988 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3478 | 4816 | 0 | 0 | 1515 | 3411 | 1601 | 3278 | 1902 | 1541 | 1772 |
| Fl _t Permitted | | 0.137 | | | | 0.833 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 499 | 4816 | 0 | 0 | 1319 | 3411 | 1543 | 3087 | 1902 | 1519 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 12 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 15 | | 18 | | 18 | | 15 | 32 | | 2 | 2 |
| Confl. Bikes (#/hr) | | | | 1 | | | | 2 | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% | 7% | 7% | 0% | 23% | 7% | 2% | 8% | 1% | 6% | 3% |
| Adj. Flow (vph) | 19 | 172 | 1110 | 98 | 2 | 16 | 1218 | 78 | 200 | 109 | 67 | 49 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 191 | 1208 | 0 | 0 | 18 | 1218 | 78 | 200 | 109 | 67 | 49 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 15.0 | 15.0 | 52.0 | | 15.0 | 15.0 | 52.0 | 52.0 | 22.0 | 41.0 | 41.0 | 22.0 |
| Total Split (%) | 11.5% | 11.5% | 40.0% | | 11.5% | 11.5% | 40.0% | 40.0% | 16.9% | 31.5% | 31.5% | 16.9% |
| Maximum Green (s) | 8.5 | 8.5 | 45.8 | | 8.5 | 8.5 | 45.8 | 45.8 | 15.5 | 34.0 | 34.0 | 15.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Min | | None | None | C-Min | C-Min | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 29.3 | 78.2 | | | 8.9 | 49.8 | 49.8 | 12.9 | 18.0 | 18.0 | 9.0 |
| Actuated g/C Ratio | | 0.23 | 0.60 | | | 0.07 | 0.38 | 0.38 | 0.10 | 0.14 | 0.14 | 0.07 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2031 AM Phase 1 Horizon Year



| Lane Group | SBT | SBR |
|-------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 32 | 171 |
| Future Volume (vph) | 32 | 171 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.95 |
| Frt | | 0.850 |
| Flt Protected | | |
| Satd. Flow (prot) | 1921 | 1601 |
| Flt Permitted | | |
| Satd. Flow (perm) | 1921 | 1524 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 32 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% |
| Adj. Flow (vph) | 32 | 171 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 32 | 171 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 11.7 | 11.7 |
| Actuated g/C Ratio | 0.09 | 0.09 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2031 AM Phase 1 Horizon Year

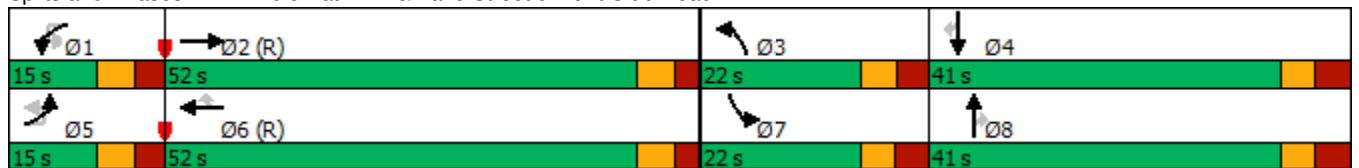


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|-------|-------|-----|-----|------|--------|------|------|-------|------|------|
| v/c Ratio | | 1.71 | 0.42 | | | 0.20 | 0.93 | 0.11 | 0.62 | 0.41 | 0.20 | 0.40 |
| Control Delay | | 383.1 | 11.9 | | | 60.6 | 51.8 | 0.3 | 64.3 | 57.1 | 1.4 | 66.8 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 383.1 | 11.9 | | | 60.6 | 51.8 | 0.3 | 64.3 | 57.1 | 1.4 | 66.8 |
| LOS | | F | B | | | E | D | A | E | E | A | E |
| Approach Delay | | | 62.6 | | | | 48.9 | | | 51.0 | | |
| Approach LOS | | | E | | | | D | | | D | | |
| Queue Length 50th (m) | | ~37.6 | 35.4 | | | 4.5 | 147.4 | 0.0 | 25.6 | 26.8 | 0.0 | 12.2 |
| Queue Length 95th (m) | | #62.7 | 58.7 | | | 12.1 | #214.8 | 0.0 | 37.5 | 43.4 | 0.0 | 24.8 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 112 | 2903 | | | 100 | 1306 | 679 | 390 | 497 | 498 | 209 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 1.71 | 0.42 | | | 0.18 | 0.93 | 0.11 | 0.51 | 0.22 | 0.13 | 0.23 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 135
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.71
 Intersection Signal Delay: 54.0 Intersection LOS: D
 Intersection Capacity Utilization 89.9% ICU Level of Service E
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

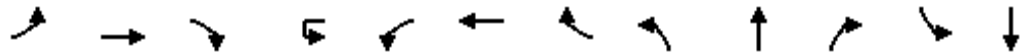


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2031 AM Phase 1 Horizon Year



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.18 | 0.65 |
| Control Delay | 56.1 | 26.6 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 56.1 | 26.6 |
| LOS | E | C |
| Approach Delay | 38.2 | |
| Approach LOS | D | |
| Queue Length 50th (m) | 7.8 | 8.4 |
| Queue Length 95th (m) | 17.2 | 30.3 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 502 | 499 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.06 | 0.34 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road
 TT 2031 AM Phase 1 Horizon Year

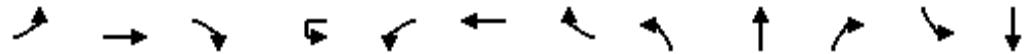


| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|-------------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 144 | 755 | 278 | 1 | 33 | 1002 | 200 | 300 | 980 | 23 | 88 | 335 |
| Future Volume (vph) | 144 | 755 | 278 | 1 | 33 | 1002 | 200 | 300 | 980 | 23 | 88 | 335 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Storage Lanes | 2 | | 1 | | 1 | | 1 | 2 | | 1 | 2 | |
| Taper Length (m) | 2.5 | | | | 2.5 | | | 2.5 | | | | 2.5 |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.97 | 0.95 |
| Ped Bike Factor | 0.99 | | 0.98 | | 1.00 | | 0.97 | 0.97 | | 0.96 | 0.99 | |
| Frnt | | | 0.850 | | | | 0.850 | | | 0.850 | | |
| Flt Protected | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 | |
| Satd. Flow (prot) | 3190 | 3380 | 1570 | 0 | 1725 | 3411 | 1617 | 3372 | 3544 | 1633 | 3471 | 3444 |
| Flt Permitted | 0.950 | | | | | | | 0.950 | | | 0.950 | |
| Satd. Flow (perm) | 3172 | 3380 | 1533 | 0 | 1809 | 3411 | 1572 | 3259 | 3544 | 1569 | 3433 | 3444 |
| Right Turn on Red | | | Yes | | | | Yes | | | Yes | | |
| Satd. Flow (RTOR) | | | 278 | | | | 279 | | | 216 | | |
| Link Speed (k/h) | | 60 | | | | 60 | | | 60 | | | 60 |
| Link Distance (m) | | 152.6 | | | | 161.6 | | | 179.7 | | | 141.8 |
| Travel Time (s) | | 9.2 | | | | 9.7 | | | 10.8 | | | 8.5 |
| Confl. Peds. (#/hr) | 10 | | 9 | | 9 | | 10 | 25 | | 20 | 20 | |
| Confl. Bikes (#/hr) | | | | | | | 3 | | | 3 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 11% | 8% | 4% | 0% | 6% | 7% | 1% | 5% | 3% | 0% | 2% | 6% |
| Adj. Flow (vph) | 144 | 755 | 278 | 1 | 33 | 1002 | 200 | 300 | 980 | 23 | 88 | 335 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 144 | 755 | 278 | 0 | 34 | 1002 | 200 | 300 | 980 | 23 | 88 | 335 |
| Turn Type | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | Prot | NA |
| Protected Phases | 7 | 4 | | | 3 | 8 | | 5 | 2 | | 1 | 6 |
| Permitted Phases | | | 4 | 3 | | | 8 | | | 2 | | |
| Detector Phase | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 |
| Minimum Split (s) | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 | 34.5 |
| Total Split (s) | 21.0 | 45.0 | 45.0 | 13.0 | 13.0 | 37.0 | 37.0 | 25.0 | 48.0 | 48.0 | 14.0 | 37.0 |
| Total Split (%) | 17.5% | 37.5% | 37.5% | 10.8% | 10.8% | 30.8% | 30.8% | 20.8% | 40.0% | 40.0% | 11.7% | 30.8% |
| Maximum Green (s) | 14.5 | 38.3 | 38.3 | 6.5 | 6.5 | 30.3 | 30.3 | 17.9 | 41.5 | 41.5 | 6.9 | 30.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | 7.1 | 6.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None | C-Max |
| Walk Time (s) | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | | 7.0 |
| Flash Dont Walk (s) | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | 0 |
| Act Effct Green (s) | 10.7 | 43.5 | 43.5 | | 6.4 | 34.1 | 34.1 | 15.4 | 41.6 | 41.6 | 6.8 | 33.0 |
| Actuated g/C Ratio | 0.09 | 0.36 | 0.36 | | 0.05 | 0.28 | 0.28 | 0.13 | 0.35 | 0.35 | 0.06 | 0.28 |

3: Bank Street & Hunt Club Road
 TT 2031 AM Phase 1 Horizon Year

| | |
|-------------------------|-------|
| Lane Group | SBR |
| Lane Configurations | |
| Traffic Volume (vph) | 155 |
| Future Volume (vph) | 155 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 120.0 |
| Storage Lanes | 1 |
| Taper Length (m) | |
| Lane Util. Factor | 1.00 |
| Ped Bike Factor | 0.96 |
| Fr _t | 0.850 |
| Flt Protected | |
| Satd. Flow (prot) | 1458 |
| Flt Permitted | |
| Satd. Flow (perm) | 1395 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | 281 |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 25 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 12% |
| Adj. Flow (vph) | 155 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 155 |
| Turn Type | Perm |
| Protected Phases | |
| Permitted Phases | 6 |
| Detector Phase | 6 |
| Switch Phase | |
| Minimum Initial (s) | 10.0 |
| Minimum Split (s) | 34.5 |
| Total Split (s) | 37.0 |
| Total Split (%) | 30.8% |
| Maximum Green (s) | 30.5 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 2.8 |
| Lost Time Adjust (s) | 0.0 |
| Total Lost Time (s) | 6.5 |
| Lead/Lag | Lag |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | C-Max |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 21.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | 33.0 |
| Actuated g/C Ratio | 0.28 |

3: Bank Street & Hunt Club Road TT 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|------------------------|------|-------|------|-----|------|--------|-------|------|-------|------|------|-------|
| v/c Ratio | 0.51 | 0.62 | 0.38 | | 0.36 | 1.04 | 0.31 | 0.69 | 0.80 | 0.03 | 0.45 | 0.35 |
| Control Delay | 57.9 | 35.3 | 5.1 | | 65.5 | 80.8 | 1.9 | 58.6 | 41.3 | 0.1 | 66.7 | 28.6 |
| Queue Delay | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 57.9 | 35.3 | 5.1 | | 65.5 | 80.8 | 1.9 | 58.6 | 41.3 | 0.1 | 66.7 | 28.6 |
| LOS | E | D | A | | E | F | A | E | D | A | E | C |
| Approach Delay | | 30.9 | | | | 67.6 | | | 44.5 | | | 27.1 |
| Approach LOS | | C | | | | E | | | D | | | C |
| Queue Length 50th (m) | 16.9 | 81.7 | 0.0 | | 7.9 | ~133.4 | 0.0 | 35.1 | 109.1 | 0.0 | 10.9 | 22.6 |
| Queue Length 95th (m) | 26.6 | 103.5 | 18.4 | | 18.5 | #185.0 | 2.7 | 48.8 | 134.7 | 0.0 | 19.3 | 30.8 |
| Internal Link Dist (m) | | 128.6 | | | | 137.6 | | | 155.7 | | | 117.8 |
| Turn Bay Length (m) | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Base Capacity (vph) | 385 | 1224 | 732 | | 97 | 968 | 646 | 502 | 1229 | 685 | 199 | 945 |
| Starvation Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.37 | 0.62 | 0.38 | | 0.35 | 1.04 | 0.31 | 0.60 | 0.80 | 0.03 | 0.44 | 0.35 |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 65 (54%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 95

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.04

Intersection Signal Delay: 45.1

Intersection LOS: D

Intersection Capacity Utilization 86.1%

ICU Level of Service E

Analysis Period (min) 15

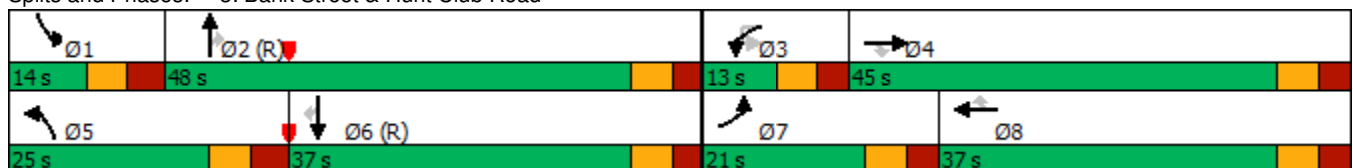
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road TT 2031 AM Phase 1 Horizon Year



| | |
|------------------------|-------|
| Lane Group | SBR |
| v/c Ratio | 0.26 |
| Control Delay | 1.2 |
| Queue Delay | 0.0 |
| Total Delay | 1.2 |
| LOS | A |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | 0.1 |
| Queue Length 95th (m) | 0.2 |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | 120.0 |
| Base Capacity (vph) | 586 |
| Starvation Cap Reductn | 0 |
| Spillback Cap Reductn | 0 |
| Storage Cap Reductn | 0 |
| Reduced v/c Ratio | 0.26 |
| Intersection Summary | |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| Lane Configurations | | ↖ | ↗ | | ↖ | ↗ | ↖ | ↗ | ↖ | | ↖ | ↗ |
| Traffic Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 987 | 51 | 3 | 17 | 421 |
| Future Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 987 | 51 | 3 | 17 | 421 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | 45.0 | | 0.0 | | 70.0 | |
| Storage Lanes | 0 | | 1 | 0 | | 1 | 1 | | 0 | | 1 | |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 0.97 | 0.97 | | 0.98 | 0.95 | 0.99 | 1.00 | | | | 1.00 |
| Fr _t | | | 0.850 | | | 0.850 | | 0.993 | | | | |
| Fl _t Protected | | 0.950 | | | 0.950 | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 0 | 1772 | 1570 | 0 | 1738 | 1585 | 1807 | 3421 | 0 | 0 | 1825 | 3349 |
| Fl _t Permitted | | 0.709 | | | 0.623 | | 0.462 | | | | 0.276 | |
| Satd. Flow (perm) | 0 | 1277 | 1521 | 0 | 1121 | 1505 | 874 | 3421 | 0 | 0 | 529 | 3349 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | | 105 | | | 148 | | 8 | | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | 60 | | | | 60 |
| Link Distance (m) | | 72.9 | | | 188.5 | | | 169.4 | | | | 264.5 |
| Travel Time (s) | | 5.2 | | | 13.6 | | | 10.2 | | | | 15.9 |
| Confl. Peds. (#/hr) | 19 | | 10 | 10 | | 19 | 6 | | 3 | | | 3 |
| Confl. Bikes (#/hr) | | | | | | 2 | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 3% | 0% | 4% | 5% | 0% | 3% | 1% | 6% | 2% | 0% | 0% | 9% |
| Adj. Flow (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 987 | 51 | 3 | 17 | 421 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 122 | 33 | 0 | 73 | 148 | 90 | 1038 | 0 | 0 | 20 | 421 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | pm+pt | NA | | Perm | Perm | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 6 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | | 6 | 6 | |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 2 | | 6 | 6 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 10.0 | | 10.0 | 10.0 | 10.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 34.3 | | 34.3 | 34.3 | 34.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 14.0 | 78.0 | | 64.0 | 64.0 | 64.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 11.7% | 65.0% | | 53.3% | 53.3% | 53.3% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 7.7 | 71.7 | | 57.7 | 57.7 | 57.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | 6.3 | 6.3 | | | 6.3 | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | | | Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | C-Max | | C-Max | C-Max | C-Max |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | 7.0 | | 7.0 | 7.0 | 7.0 |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | 11.0 | | 11.0 | 11.0 | 11.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| Act Effct Green (s) | | 16.9 | 16.9 | | 16.9 | 16.9 | 85.7 | 85.7 | | | 72.0 | 72.0 |
| Actuated g/C Ratio | | 0.14 | 0.14 | | 0.14 | 0.14 | 0.71 | 0.71 | | | 0.60 | 0.60 |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2031 AM Phase 1 Horizon Year

| Lane Group | SBR | Ø3 | Ø7 |
|-------------------------|-------|------|------|
| Lane Configurations | | | |
| Traffic Volume (vph) | 123 | | |
| Future Volume (vph) | 123 | | |
| Ideal Flow (vphpl) | 1900 | | |
| Storage Length (m) | 75.0 | | |
| Storage Lanes | 0 | | |
| Taper Length (m) | | | |
| Lane Util. Factor | 1.00 | | |
| Ped Bike Factor | 0.98 | | |
| Frt | 0.850 | | |
| Flt Protected | | | |
| Satd. Flow (prot) | 1498 | | |
| Flt Permitted | | | |
| Satd. Flow (perm) | 1463 | | |
| Right Turn on Red | Yes | | |
| Satd. Flow (RTOR) | 123 | | |
| Link Speed (k/h) | | | |
| Link Distance (m) | | | |
| Travel Time (s) | | | |
| Confl. Peds. (#/hr) | 6 | | |
| Confl. Bikes (#/hr) | | | |
| Peak Hour Factor | 1.00 | | |
| Heavy Vehicles (%) | 9% | | |
| Adj. Flow (vph) | 123 | | |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 123 | | |
| Turn Type | Perm | | |
| Protected Phases | | 3 | 7 |
| Permitted Phases | 6 | | |
| Detector Phase | 6 | | |
| Switch Phase | | | |
| Minimum Initial (s) | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 64.0 | 5.0 | 5.0 |
| Total Split (%) | 53.3% | 4% | 4% |
| Maximum Green (s) | 57.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | | |
| Total Lost Time (s) | 6.3 | | |
| Lead/Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | Max | Max |
| Walk Time (s) | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | | |
| Act Effct Green (s) | 72.0 | | |
| Actuated g/C Ratio | 0.60 | | |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|-----|------|------|-----|-------|------|------|-------|-----|-----|------|-------|
| v/c Ratio | | 0.68 | 0.11 | | 0.46 | 0.44 | 0.13 | 0.42 | | | 0.06 | 0.21 |
| Control Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.7 | 5.9 | | | 13.1 | 12.2 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | | 67.0 | 0.7 | | 55.5 | 10.8 | 5.7 | 5.9 | | | 13.1 | 12.2 |
| LOS | | E | A | | E | B | A | A | | | B | B |
| Approach Delay | | 52.9 | | | 25.6 | | | 5.8 | | | | 10.2 |
| Approach LOS | | D | | | C | | | A | | | | B |
| Queue Length 50th (m) | | 27.7 | 0.0 | | 16.0 | 0.0 | 4.2 | 26.1 | | | 1.8 | 22.3 |
| Queue Length 95th (m) | | 45.1 | 0.0 | | 29.2 | 16.9 | m8.1 | 42.1 | | | 6.5 | 36.9 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | 145.4 | | | | 240.5 |
| Turn Bay Length (m) | | | | | | 40.0 | 45.0 | | | | 70.0 | |
| Base Capacity (vph) | | 328 | 469 | | 288 | 497 | 687 | 2445 | | | 317 | 2009 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | | 0.37 | 0.07 | | 0.25 | 0.30 | 0.13 | 0.42 | | | 0.06 | 0.21 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 57 (48%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.68
 Intersection Signal Delay: 12.7 Intersection LOS: B
 Intersection Capacity Utilization 81.0% ICU Level of Service D
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive TT 2031 AM Phase 1 Horizon Year



| Lane Group | SBR | Ø3 | Ø7 |
|------------------------|------|----|----|
| v/c Ratio | 0.13 | | |
| Control Delay | 2.7 | | |
| Queue Delay | 0.0 | | |
| Total Delay | 2.7 | | |
| LOS | A | | |
| Approach Delay | | | |
| Approach LOS | | | |
| Queue Length 50th (m) | 0.0 | | |
| Queue Length 95th (m) | 8.9 | | |
| Internal Link Dist (m) | | | |
| Turn Bay Length (m) | 75.0 | | |
| Base Capacity (vph) | 927 | | |
| Starvation Cap Reductn | 0 | | |
| Spillback Cap Reductn | 0 | | |
| Storage Cap Reductn | 0 | | |
| Reduced v/c Ratio | 0.13 | | |
| Intersection Summary | | | |

5: Dazé Street & South Keys SC
 TT 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 160 |
| Future Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 160 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 1.00 | 0.99 | | 1.00 | 0.99 | | | 1.00 | | | | |
| Fr _t | | 0.852 | | | 0.883 | | | 0.998 | | | | 0.946 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1722 | 1566 | 0 | 1521 | 1678 | 0 | 1807 | 3571 | 0 | 0 | 1825 | 3376 |
| Fl _t Permitted | 0.752 | | | 0.702 | | | 0.543 | | | | 0.605 | |
| Satd. Flow (perm) | 1360 | 1566 | 0 | 1123 | 1678 | 0 | 1033 | 3571 | 0 | 0 | 1162 | 3376 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 83 | | | 7 | | | 2 | | | | 90 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 2 | | 1 | 1 | | 2 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 6% | 100% | 2% | 20% | 0% | 0% | 1% | 2% | 0% | 0% | 0% | 3% |
| Adj. Flow (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 160 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 35 | 84 | 0 | 5 | 9 | 0 | 115 | 236 | 0 | 0 | 6 | 250 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 1 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | | 5.0 | 5.0 | | 1.4 | 5.0 | | 1.4 | 1.4 | 5.0 |
| Minimum Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 7.3 | 32.9 | | 7.3 | 7.3 | 32.9 |
| Total Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 12.0 | 35.0 | | 12.0 | 12.0 | 35.0 |
| Total Split (%) | 37.3% | 37.3% | | 37.4% | 37.4% | | 16.0% | 46.6% | | 16.0% | 16.0% | 46.6% |
| Maximum Green (s) | 22.0 | 22.0 | | 22.0 | 22.0 | | 6.1 | 29.1 | | 6.1 | 6.1 | 29.1 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.7 | 2.7 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.0 | 6.0 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 7.1 | 7.1 | | 7.0 | 7.0 | | 41.0 | 41.2 | | | 37.1 | 34.2 |
| Actuated g/C Ratio | 0.12 | 0.12 | | 0.12 | 0.12 | | 0.70 | 0.71 | | | 0.64 | 0.59 |

5: Dazé Street & South Keys SC
 TT 2031 AM Phase 1 Horizon Year

| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 90 |
| Future Volume (vph) | 90 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 90 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 TT 2031 AM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.21 | 0.32 | | 0.04 | 0.04 | | 0.14 | 0.09 | | | 0.01 | 0.12 |
| Control Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 5.9 |
| LOS | C | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 15.3 | | | 19.1 | | | 4.9 | | | | 5.9 |
| Approach LOS | | B | | | B | | | A | | | | A |
| Queue Length 50th (m) | 3.6 | 0.1 | | 0.5 | 0.2 | | 3.3 | 3.5 | | | 0.2 | 4.6 |
| Queue Length 95th (m) | 10.5 | 10.2 | | 3.1 | 3.6 | | 8.2 | 12.8 | | | 1.1 | 10.4 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 517 | 647 | | 425 | 640 | | 806 | 2521 | | | 815 | 2011 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.07 | 0.13 | | 0.01 | 0.01 | | 0.14 | 0.09 | | | 0.01 | 0.12 |

Intersection Summary

Area Type: Other
 Cycle Length: 75.1
 Actuated Cycle Length: 58.4
 Natural Cycle: 70
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.32
 Intersection Signal Delay: 7.2 Intersection LOS: A
 Intersection Capacity Utilization 37.4% ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC
TT 2031 AM Phase 1 Horizon Year



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access
 TT 2031 AM Phase 1 Horizon Year

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.2 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 12 | 0 | 351 | 242 | 6 |
| Future Vol, veh/h | 0 | 12 | 0 | 351 | 242 | 6 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 12 | 0 | 351 | 242 | 6 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 124 | - | 0 | 0 |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - |
| Pot Cap-1 Maneuver | 0 | 910 | 0 | - | - |
| Stage 1 | 0 | - | 0 | - | - |
| Stage 2 | 0 | - | 0 | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 910 | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|----|----|----|
| HCM Control Delay, s | 9 | 0 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR |
|-----------------------|-----|-------|-----|-----|
| Capacity (veh/h) | - | 910 | - | - |
| HCM Lane V/C Ratio | - | 0.013 | - | - |
| HCM Control Delay (s) | - | 9 | - | - |
| HCM Lane LOS | - | A | - | - |
| HCM 95th %tile Q(veh) | - | 0 | - | - |

7: Dazé Street & Existing Access
 TT 2031 AM Phase 1 Horizon Year

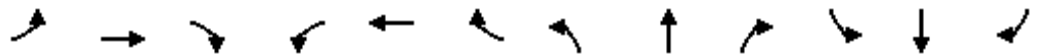
| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.7 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 34 | 18 | 351 | 242 | 0 |
| Future Vol, veh/h | 0 | 34 | 18 | 351 | 242 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 34 | 18 | 351 | 242 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 121 | 242 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 914 | 1336 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 914 | 1336 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|-----|-----|----|
| HCM Control Delay, s | 9.1 | 0.4 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|-------|-----|-------|-----|-----|
| Capacity (veh/h) | 1336 | - | 914 | - | - |
| HCM Lane V/C Ratio | 0.013 | - | 0.037 | - | - |
| HCM Control Delay (s) | 7.7 | - | 9.1 | - | - |
| HCM Lane LOS | A | - | A | - | - |
| HCM 95th %tile Q(veh) | 0 | - | 0.1 | - | - |

1: Airport Parkway & Hunt Club Road
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|-------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 179 | 1367 | 33 | 82 | 1330 | 350 | 16 | 0 | 142 | 618 | 0 | 288 |
| Future Volume (vph) | 179 | 1367 | 33 | 82 | 1330 | 350 | 16 | 0 | 142 | 618 | 0 | 288 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 1.00 | | 0.99 | | | | | 0.99 |
| Fr't | | 0.996 | | | 0.969 | | | | 0.850 | | | 0.850 |
| Flt Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3464 | 0 | 1615 | 3425 | 0 | 1706 | 0 | 1570 | 3506 | 0 | 1617 |
| Flt Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1805 | 3464 | 0 | 1613 | 3425 | 0 | 1688 | 0 | 1570 | 3506 | 0 | 1593 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 28 | | | | 164 | | | 288 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | | 80 |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | | 189.5 |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | | 8.5 |
| Confl. Peds. (#/hr) | 11 | | 5 | 5 | | 11 | 3 | | | | | 3 |
| Confl. Bikes (#/hr) | | | 1 | | | | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 5% | 0% | 13% | 3% | 2% | 7% | 0% | 4% | 1% | 0% | 1% |
| Adj. Flow (vph) | 179 | 1367 | 33 | 82 | 1330 | 350 | 16 | 0 | 142 | 618 | 0 | 288 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 179 | 1400 | 0 | 82 | 1680 | 0 | 16 | 0 | 142 | 618 | 0 | 288 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 17.2 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 28.0 | 53.0 | | 28.0 | 53.0 | | 19.0 | | 19.0 | 49.0 | | 49.0 |
| Total Split (%) | 21.5% | 40.8% | | 21.5% | 40.8% | | 14.6% | | 14.6% | 37.7% | | 37.7% |
| Maximum Green (s) | 20.6 | 45.7 | | 20.6 | 45.7 | | 11.2 | | 11.2 | 41.2 | | 41.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 18.0 | 66.4 | | 11.9 | 60.3 | | 29.2 | | 29.2 | 29.2 | | 29.2 |
| Actuated g/C Ratio | 0.14 | 0.51 | | 0.09 | 0.46 | | 0.22 | | 0.22 | 0.22 | | 0.22 |

1: Airport Parkway & Hunt Club Road
 TT 2031 PM Phase 1 Horizon Year

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

TT 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|--------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.72 | 0.79 | | 0.55 | 1.05 | | 0.04 | | 0.30 | 0.79 | | 0.50 |
| Control Delay | 68.8 | 31.6 | | 54.9 | 62.0 | | 37.1 | | 5.0 | 54.8 | | 7.2 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 68.8 | 31.6 | | 54.9 | 62.0 | | 37.1 | | 5.0 | 54.8 | | 7.2 |
| LOS | E | C | | D | E | | D | | A | D | | A |
| Approach Delay | | 35.8 | | | 61.6 | | | 8.3 | | | | 39.7 |
| Approach LOS | | D | | | E | | | A | | | | D |
| Queue Length 50th (m) | 44.4 | 150.2 | | 20.8 | ~237.0 | | 3.2 | | 0.0 | 77.3 | | 0.0 |
| Queue Length 95th (m) | 65.7 | #230.3 | | m23.4 | m#284.8 | | 8.8 | | 11.0 | 91.3 | | 20.9 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 296 | 1770 | | 255 | 1603 | | 378 | | 479 | 1111 | | 701 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.60 | 0.79 | | 0.32 | 1.05 | | 0.04 | | 0.30 | 0.56 | | 0.41 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 145

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.05

Intersection Signal Delay: 46.0

Intersection LOS: D

Intersection Capacity Utilization 94.5%

ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road



1: Airport Parkway & Hunt Club Road
TT 2031 PM Phase 1 Horizon Year

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2031 PM Phase 1 Horizon Year



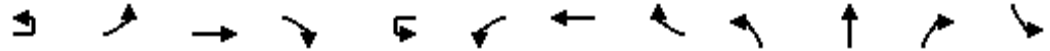
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↔↔↔ | | | ↔ | ↔↔ | ↔ | ↔↔ | ↔ | ↔ | ↔ |
| Traffic Volume (vph) | 33 | 284 | 1461 | 244 | 28 | 37 | 1329 | 94 | 141 | 108 | 75 | 113 |
| Future Volume (vph) | 33 | 284 | 1461 | 244 | 28 | 37 | 1329 | 94 | 141 | 108 | 75 | 113 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 1.00 | | 0.93 | 0.93 | | 0.96 | 0.98 |
| Fr _t | | | 0.979 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3509 | 4831 | 0 | 0 | 1825 | 3544 | 1617 | 3404 | 1921 | 1617 | 1807 |
| Fl _t Permitted | | 0.175 | | | | 0.207 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 639 | 4831 | 0 | 0 | 396 | 3544 | 1511 | 3176 | 1921 | 1556 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 28 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 35 | | 25 | | 25 | | 35 | 44 | | 22 | 22 |
| Confl. Bikes (#/hr) | | | | 1 | | | | | | | 1 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 1% | 5% | 5% | 0% | 0% | 3% | 1% | 4% | 0% | 1% | 1% |
| Adj. Flow (vph) | 33 | 284 | 1461 | 244 | 28 | 37 | 1329 | 94 | 141 | 108 | 75 | 113 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 317 | 1705 | 0 | 0 | 65 | 1329 | 94 | 141 | 108 | 75 | 113 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 18.0 | 18.0 | 54.0 | | 18.0 | 18.0 | 54.0 | 54.0 | 17.0 | 41.0 | 41.0 | 17.0 |
| Total Split (%) | 13.8% | 13.8% | 41.5% | | 13.8% | 13.8% | 41.5% | 41.5% | 13.1% | 31.5% | 31.5% | 13.1% |
| Maximum Green (s) | 11.5 | 11.5 | 47.8 | | 11.5 | 11.5 | 47.8 | 47.8 | 10.5 | 34.0 | 34.0 | 10.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Max | | None | None | C-Max | C-Max | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 22.8 | 51.3 | | | 19.3 | 47.8 | 47.8 | 9.7 | 22.9 | 22.9 | 10.2 |
| Actuated g/C Ratio | | 0.18 | 0.39 | | | 0.15 | 0.37 | 0.37 | 0.07 | 0.18 | 0.18 | 0.08 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | SBT | SBR |
|---------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 163 | 328 |
| Future Volume (vph) | 163 | 328 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.94 |
| Fr _t | | 0.850 |
| Fl _t Protected | | |
| Satd. Flow (prot) | 1902 | 1617 |
| Fl _t Permitted | | |
| Satd. Flow (perm) | 1902 | 1517 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 44 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 1% |
| Adj. Flow (vph) | 163 | 328 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 163 | 328 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 23.5 | 23.5 |
| Actuated g/C Ratio | 0.18 | 0.18 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2031 PM Phase 1 Horizon Year

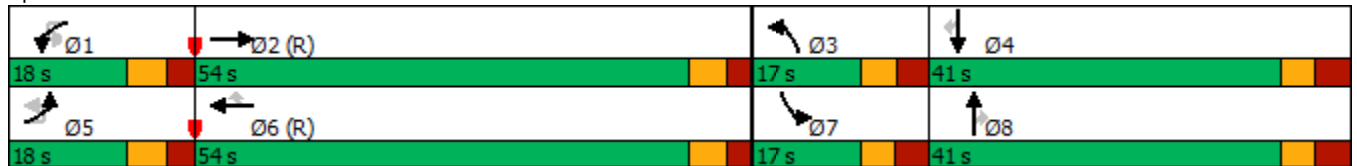


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|---------|--------|-----|-----|-------|--------|------|------|-------|------|-------|
| v/c Ratio | | 2.83 | 0.89 | | | 1.12 | 1.02 | 0.15 | 0.56 | 0.32 | 0.19 | 0.80 |
| Control Delay | | 867.1 | 37.3 | | | 204.1 | 70.7 | 1.4 | 66.5 | 46.6 | 1.1 | 95.6 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 867.1 | 37.3 | | | 204.1 | 70.7 | 1.4 | 66.5 | 46.6 | 1.1 | 95.6 |
| LOS | | F | D | | | F | E | A | E | D | A | F |
| Approach Delay | | | 167.4 | | | | 72.1 | | | 44.7 | | |
| Approach LOS | | | F | | | | E | | | D | | |
| Queue Length 50th (m) | | ~74.7 | 145.3 | | | ~16.9 | ~189.7 | 0.0 | 18.1 | 24.1 | 0.0 | 28.9 |
| Queue Length 95th (m) | | m#107.6 | #182.4 | | | #55.6 | #232.3 | 2.8 | 29.0 | 37.3 | 0.0 | #60.0 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 112 | 1925 | | | 58 | 1303 | 646 | 274 | 502 | 508 | 144 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 2.83 | 0.89 | | | 1.12 | 1.02 | 0.15 | 0.51 | 0.22 | 0.15 | 0.78 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 125
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 2.83
 Intersection Signal Delay: 111.6 Intersection LOS: F
 Intersection Capacity Utilization 99.1% ICU Level of Service F
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

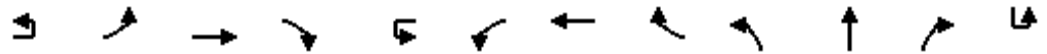


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.48 | 0.85 |
| Control Delay | 50.6 | 49.0 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 50.6 | 49.0 |
| LOS | D | D |
| Approach Delay | 58.1 | |
| Approach LOS | E | |
| Queue Length 50th (m) | 37.6 | 49.1 |
| Queue Length 95th (m) | 53.9 | 77.7 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 497 | 497 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.33 | 0.66 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road
 TT 2031 PM Phase 1 Horizon Year



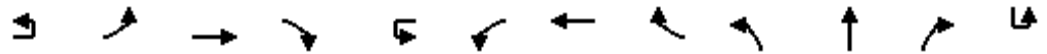
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|---------------------------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| Lane Configurations | | ↗↗ | ↕↕ | ↖ | | ↖ | ↕↕ | ↖ | ↗↗ | ↕↕ | ↖ | |
| Traffic Volume (vph) | 4 | 168 | 953 | 380 | 1 | 49 | 858 | 188 | 347 | 545 | 58 | 1 |
| Future Volume (vph) | 4 | 168 | 953 | 380 | 1 | 49 | 858 | 188 | 347 | 545 | 58 | 1 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | |
| Storage Lanes | | 2 | | 1 | | 1 | | 1 | 2 | | 1 | |
| Taper Length (m) | | 2.5 | | | | 2.5 | | | 2.5 | | | |
| Lane Util. Factor | 0.95 | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 1.00 | | 0.96 | | 0.99 | | 0.98 | 0.97 | | 0.96 | |
| Fr _t | | | | 0.850 | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | |
| Satd. Flow (prot) | 0 | 3314 | 3510 | 1601 | 0 | 1756 | 3579 | 1617 | 3506 | 3579 | 1601 | 0 |
| Fl _t Permitted | | 0.381 | | | | 0.667 | | | 0.950 | | | |
| Satd. Flow (perm) | 0 | 1326 | 3510 | 1532 | 0 | 1225 | 3579 | 1583 | 3403 | 3579 | 1535 | 0 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | | 277 | | | | 188 | | | 157 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 60 | | |
| Link Distance (m) | | | 152.6 | | | | 161.6 | | | 179.7 | | |
| Travel Time (s) | | | 9.2 | | | | 9.7 | | | 10.8 | | |
| Confl. Peds. (#/hr) | | 4 | | 21 | | 21 | | 4 | 55 | | 22 | |
| Confl. Bikes (#/hr) | | | | 5 | | | | 4 | | | 2 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 7% | 4% | 2% | 0% | 4% | 2% | 1% | 1% | 2% | 2% | 0% |
| Adj. Flow (vph) | 4 | 168 | 953 | 380 | 1 | 49 | 858 | 188 | 347 | 545 | 58 | 1 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 172 | 953 | 380 | 0 | 50 | 858 | 188 | 347 | 545 | 58 | 0 |
| Turn Type | custom | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | custom |
| Protected Phases | | 7 | 4 | | | 3 | 8 | | 5 | 2 | | |
| Permitted Phases | 7 | | | 4 | 3 | | | 8 | | | | 2 |
| Detector Phase | 7 | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 |
| Total Split (s) | 17.0 | 17.0 | 41.0 | 41.0 | 14.0 | 14.0 | 38.0 | 38.0 | 19.0 | 46.0 | 46.0 | 19.0 |
| Total Split (%) | 14.2% | 14.2% | 34.2% | 34.2% | 11.7% | 11.7% | 31.7% | 31.7% | 15.8% | 38.3% | 38.3% | 15.8% |
| Maximum Green (s) | 10.5 | 10.5 | 34.3 | 34.3 | 7.5 | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | 11.9 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | |
| Lead/Lag | Lead | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None |
| Walk Time (s) | | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | |
| Pedestrian Calls (#/hr) | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 10.5 | 37.1 | 37.1 | | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | |
| Actuated g/C Ratio | | 0.09 | 0.31 | 0.31 | | 0.06 | 0.26 | 0.26 | 0.10 | 0.33 | 0.33 | |

3: Bank Street & Hunt Club Road
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | SBL | SBT | SBR |
|---------------------------|-------|-------|-------|
| Lane Configurations | ↖↗ | ↑↑ | ↖ |
| Traffic Volume (vph) | 234 | 1005 | 232 |
| Future Volume (vph) | 234 | 1005 | 232 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 |
| Storage Length (m) | 30.0 | | 120.0 |
| Storage Lanes | 2 | | 1 |
| Taper Length (m) | 2.5 | | |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 |
| Ped Bike Factor | 0.98 | | 0.92 |
| Fr _t | | | 0.850 |
| Fl _t Protected | 0.950 | | |
| Satd. Flow (prot) | 3506 | 3579 | 1555 |
| Fl _t Permitted | 0.336 | | |
| Satd. Flow (perm) | 1218 | 3579 | 1425 |
| Right Turn on Red | | | Yes |
| Satd. Flow (RTOR) | | | 157 |
| Link Speed (k/h) | | 60 | |
| Link Distance (m) | | 141.8 | |
| Travel Time (s) | | 8.5 | |
| Confl. Peds. (#/hr) | 22 | | 55 |
| Confl. Bikes (#/hr) | | | 4 |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 2% | 5% |
| Adj. Flow (vph) | 234 | 1005 | 232 |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 235 | 1005 | 232 |
| Turn Type | Prot | NA | Perm |
| Protected Phases | 1 | 6 | |
| Permitted Phases | | | 6 |
| Detector Phase | 1 | 6 | 6 |
| Switch Phase | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 |
| Minimum Split (s) | 12.1 | 34.5 | 34.5 |
| Total Split (s) | 19.0 | 46.0 | 46.0 |
| Total Split (%) | 15.8% | 38.3% | 38.3% |
| Maximum Green (s) | 11.9 | 39.5 | 39.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 3.4 | 2.8 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 7.1 | 6.5 | 6.5 |
| Lead/Lag | Lead | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | C-Max | C-Max |
| Walk Time (s) | | 7.0 | 7.0 |
| Flash Dont Walk (s) | | 21.0 | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 |
| Act Effct Green (s) | 11.9 | 39.5 | 39.5 |
| Actuated g/C Ratio | 0.10 | 0.33 | 0.33 |

3: Bank Street & Hunt Club Road TT 2031 PM Phase 1 Horizon Year



| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|------------------------|-----|-------|--------|------|-----|-------|--------|-------|-------|-------|------|-----|
| v/c Ratio | | 1.48 | 0.88 | 0.57 | | 0.66 | 0.92 | 0.34 | 1.00 | 0.46 | 0.10 | |
| Control Delay | | 295.6 | 50.7 | 13.9 | | 92.7 | 58.9 | 6.7 | 102.5 | 33.4 | 0.3 | |
| Queue Delay | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | | 295.6 | 50.7 | 13.9 | | 92.7 | 58.9 | 6.7 | 102.5 | 33.4 | 0.3 | |
| LOS | | F | D | B | | F | E | A | F | C | A | |
| Approach Delay | | | 69.4 | | | | 51.5 | | | 56.7 | | |
| Approach LOS | | | E | | | | D | | | E | | |
| Queue Length 50th (m) | | ~28.8 | 115.8 | 18.6 | | 11.7 | 103.6 | 0.0 | 42.7 | 53.2 | 0.0 | |
| Queue Length 95th (m) | | #51.2 | #156.3 | 50.5 | | #31.7 | #140.1 | 17.3 | #73.2 | 69.4 | 0.0 | |
| Internal Link Dist (m) | | | 128.6 | | | | 137.6 | | | 155.7 | | |
| Turn Bay Length (m) | | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | 60.0 | |
| Base Capacity (vph) | | 116 | 1085 | 664 | | 76 | 933 | 551 | 347 | 1178 | 610 | |
| Starvation Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spillback Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Storage Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Reduced v/c Ratio | | 1.48 | 0.88 | 0.57 | | 0.66 | 0.92 | 0.34 | 1.00 | 0.46 | 0.10 | |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 23 (19%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 105

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.96

Intersection Signal Delay: 73.6

Intersection LOS: E

Intersection Capacity Utilization 90.5%

ICU Level of Service E

Analysis Period (min) 15

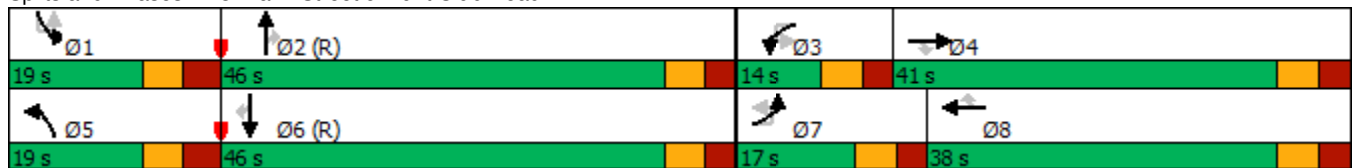
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | SBL | SBT | SBR |
|------------------------|-------|-------|-------|
| v/c Ratio | 1.96 | 0.85 | 0.40 |
| Control Delay | 488.9 | 37.1 | 11.3 |
| Queue Delay | 0.0 | 0.0 | 0.0 |
| Total Delay | 488.9 | 37.1 | 11.3 |
| LOS | F | D | B |
| Approach Delay | | 105.2 | |
| Approach LOS | | F | |
| Queue Length 50th (m) | ~45.5 | 51.6 | 3.6 |
| Queue Length 95th (m) | #71.8 | 98.3 | 28.2 |
| Internal Link Dist (m) | | 117.8 | |
| Turn Bay Length (m) | 30.0 | | 120.0 |
| Base Capacity (vph) | 120 | 1178 | 574 |
| Starvation Cap Reductn | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 |
| Reduced v/c Ratio | 1.96 | 0.85 | 0.40 |
| Intersection Summary | | | |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|---------------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|--------|-------|
| Lane Configurations | | ↗ | ↘ | | ↗ | ↘ | | ↖ | ↗↘ | | | ↖ |
| Traffic Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 673 | 92 | 4 | 146 |
| Future Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 673 | 92 | 4 | 146 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | | 45.0 | | 0.0 | | 70.0 |
| Storage Lanes | 0 | | 1 | 0 | | 1 | | 1 | | 0 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | | 7.6 | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 |
| Ped Bike Factor | | 0.92 | 0.95 | | 0.97 | 0.90 | | | 0.99 | | | 0.99 |
| Fr _t | | | 0.850 | | | 0.850 | | | 0.982 | | | |
| Fl _t Protected | | 0.953 | | | 0.950 | | | 0.950 | | | | 0.950 |
| Satd. Flow (prot) | 0 | 1813 | 1617 | 0 | 1659 | 1633 | 0 | 1825 | 3483 | 0 | 0 | 1807 |
| Fl _t Permitted | | 0.668 | | | 0.548 | | | 0.150 | | | | 0.311 |
| Satd. Flow (perm) | 0 | 1172 | 1535 | 0 | 932 | 1471 | 0 | 288 | 3483 | 0 | 0 | 583 |
| Right Turn on Red | | | Yes | | | Yes | | | | Yes | | |
| Satd. Flow (RTOR) | | | 132 | | | 105 | | | 16 | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | | 60 | | | |
| Link Distance (m) | | 72.9 | | | 188.5 | | | | 169.4 | | | |
| Travel Time (s) | | 5.2 | | | 13.6 | | | | 10.2 | | | |
| Confl. Peds. (#/hr) | 44 | | 18 | 18 | | 44 | | 30 | | 19 | | 19 |
| Confl. Bikes (#/hr) | | | 4 | | | 1 | | | | 2 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 0% | 1% | 10% | 0% | 0% | 0% | 0% | 2% | 1% | 0% | 1% |
| Adj. Flow (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 673 | 92 | 4 | 146 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 161 | 132 | 0 | 82 | 101 | 0 | 160 | 765 | 0 | 0 | 150 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | custom | pm+pt | NA | | custom | pm+pt |
| Protected Phases | | 4 | | | 8 | | | 5 | 2 | | | 1 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 5 | 2 | | | 1 | 6 |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 5 | 2 | | 1 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 11.3 | 34.3 | | 11.3 | 11.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 17.0 | 17.0 | 61.0 | | 17.0 | 17.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 14.2% | 14.2% | 50.8% | | 14.2% | 14.2% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 10.7 | 10.7 | 54.7 | | 10.7 | 10.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | 2.6 | | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | | 6.3 | 6.3 | | | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | Lead | Lag | | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | None | C-Max | | None | None |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | | 7.0 | | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | | 11.0 | | | |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | |
| Act Effct Green (s) | | 21.7 | 21.7 | | 21.7 | 21.7 | | 74.8 | 65.6 | | | 74.4 |
| Actuated g/C Ratio | | 0.18 | 0.18 | | 0.18 | 0.18 | | 0.62 | 0.55 | | | 0.62 |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|-------------------------|-------|-------|------|------|
| Lane Configurations | ↑↑ | ↑ | | |
| Traffic Volume (vph) | 1202 | 329 | | |
| Future Volume (vph) | 1202 | 329 | | |
| Ideal Flow (vphpl) | 1900 | 1900 | | |
| Storage Length (m) | | 75.0 | | |
| Storage Lanes | | 0 | | |
| Taper Length (m) | | | | |
| Lane Util. Factor | 0.95 | 1.00 | | |
| Ped Bike Factor | | 0.93 | | |
| Frt | | 0.850 | | |
| Flt Protected | | | | |
| Satd. Flow (prot) | 3579 | 1633 | | |
| Flt Permitted | | | | |
| Satd. Flow (perm) | 3579 | 1514 | | |
| Right Turn on Red | | Yes | | |
| Satd. Flow (RTOR) | | 315 | | |
| Link Speed (k/h) | 60 | | | |
| Link Distance (m) | 264.5 | | | |
| Travel Time (s) | 15.9 | | | |
| Confl. Peds. (#/hr) | | 30 | | |
| Confl. Bikes (#/hr) | | 5 | | |
| Peak Hour Factor | 1.00 | 1.00 | | |
| Heavy Vehicles (%) | 2% | 0% | | |
| Adj. Flow (vph) | 1202 | 329 | | |
| Shared Lane Traffic (%) | | | | |
| Lane Group Flow (vph) | 1202 | 329 | | |
| Turn Type | NA | Perm | | |
| Protected Phases | 6 | | 3 | 7 |
| Permitted Phases | | 6 | | |
| Detector Phase | 6 | 6 | | |
| Switch Phase | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 61.0 | 61.0 | 5.0 | 5.0 |
| Total Split (%) | 50.8% | 50.8% | 4% | 4% |
| Maximum Green (s) | 54.7 | 54.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | |
| Total Lost Time (s) | 6.3 | 6.3 | | |
| Lead/Lag | Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | C-Max | Max | Max |
| Walk Time (s) | 7.0 | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | 0 | | |
| Act Effct Green (s) | 65.4 | 65.4 | | |
| Actuated g/C Ratio | 0.54 | 0.54 | | |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|------------------------|-----|------|------|-----|-------|------|-----|-------|-------|-----|-----|------|
| v/c Ratio | | 0.76 | 0.34 | | 0.49 | 0.29 | | 0.54 | 0.40 | | | 0.33 |
| Control Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 28.3 | 14.3 | | | 10.4 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Delay | | 68.0 | 8.7 | | 52.2 | 8.6 | | 28.3 | 14.3 | | | 10.4 |
| LOS | | E | A | | D | A | | C | B | | | B |
| Approach Delay | | 41.3 | | | 28.1 | | | | 16.7 | | | |
| Approach LOS | | D | | | C | | | | B | | | |
| Queue Length 50th (m) | | 36.4 | 0.0 | | 17.5 | 0.0 | | 23.5 | 38.5 | | | 11.5 |
| Queue Length 95th (m) | | 55.5 | 14.9 | | 31.0 | 12.6 | | m39.6 | m48.2 | | | 23.8 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | | 145.4 | | | |
| Turn Bay Length (m) | | | | | | 40.0 | | 45.0 | | | | 70.0 |
| Base Capacity (vph) | | 301 | 493 | | 239 | 456 | | 322 | 1911 | | | 480 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Reduced v/c Ratio | | 0.53 | 0.27 | | 0.34 | 0.22 | | 0.50 | 0.40 | | | 0.31 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 14 (12%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.76
 Intersection Signal Delay: 20.0
 Intersection LOS: C
 Intersection Capacity Utilization 88.4%
 ICU Level of Service E
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|------------------------|-------|------|----|----|
| v/c Ratio | 0.62 | 0.34 | | |
| Control Delay | 21.9 | 3.4 | | |
| Queue Delay | 0.0 | 0.0 | | |
| Total Delay | 21.9 | 3.4 | | |
| LOS | C | A | | |
| Approach Delay | 17.3 | | | |
| Approach LOS | B | | | |
| Queue Length 50th (m) | 97.9 | 1.5 | | |
| Queue Length 95th (m) | 145.1 | 17.5 | | |
| Internal Link Dist (m) | 240.5 | | | |
| Turn Bay Length (m) | | 75.0 | | |
| Base Capacity (vph) | 1951 | 968 | | |
| Starvation Cap Reductn | 0 | 0 | | |
| Spillback Cap Reductn | 0 | 0 | | |
| Storage Cap Reductn | 0 | 0 | | |
| Reduced v/c Ratio | 0.62 | 0.34 | | |
| Intersection Summary | | | | |

5: Dazé Street & South Keys SC
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 298 |
| Future Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 298 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 0.99 | 0.98 | | 1.00 | 0.98 | | 1.00 | 1.00 | | | 0.99 | 0.99 |
| Fr _t | | 0.852 | | | 0.885 | | | 0.988 | | | | 0.952 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1825 | 1608 | 0 | 1825 | 1673 | 0 | 1825 | 3564 | 0 | 0 | 1825 | 3412 |
| Fl _t Permitted | 0.746 | | | 0.389 | | | 0.441 | | | | 0.616 | |
| Satd. Flow (perm) | 1421 | 1608 | 0 | 745 | 1673 | 0 | 845 | 3564 | 0 | 0 | 1174 | 3412 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 221 | | | 13 | | | 12 | | | | 74 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 6 | | 3 | 3 | | 6 | 3 | | 5 | | 5 | |
| Confl. Bikes (#/hr) | | | 2 | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% |
| Adj. Flow (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 298 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 85 | 224 | 0 | 2 | 17 | 0 | 195 | 217 | 0 | 0 | 22 | 440 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | 1 | 6 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | | 10.0 | 10.0 | | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 |
| Minimum Split (s) | 28.1 | 28.1 | | 28.1 | 28.1 | | 10.9 | 32.9 | | 10.9 | 10.9 | 32.9 |
| Total Split (s) | 36.1 | 36.1 | | 36.1 | 36.1 | | 35.0 | 58.0 | | 15.9 | 15.9 | 38.9 |
| Total Split (%) | 32.8% | 32.8% | | 32.8% | 32.8% | | 31.8% | 52.7% | | 14.5% | 14.5% | 35.4% |
| Maximum Green (s) | 30.0 | 30.0 | | 30.0 | 30.0 | | 29.1 | 52.1 | | 10.0 | 10.0 | 33.0 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.1 | 6.1 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 11.4 | 11.4 | | 11.4 | 11.4 | | 56.2 | 52.6 | | | 48.3 | 42.5 |
| Actuated g/C Ratio | 0.14 | 0.14 | | 0.14 | 0.14 | | 0.70 | 0.65 | | | 0.60 | 0.53 |

5: Dazé Street & South Keys SC
 TT 2031 PM Phase 1 Horizon Year

| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 142 |
| Future Volume (vph) | 142 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 3 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 142 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 TT 2031 PM Phase 1 Horizon Year



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.42 | 0.54 | | 0.02 | 0.07 | | 0.28 | 0.09 | | | 0.03 | 0.24 |
| Control Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.1 | 6.2 | | | 4.4 | 9.0 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 40.0 | 10.5 | | 32.5 | 19.6 | | 5.1 | 6.2 | | | 4.4 | 9.0 |
| LOS | D | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 18.6 | | | 21.0 | | | 5.6 | | | | 8.8 |
| Approach LOS | | B | | | C | | | A | | | | A |
| Queue Length 50th (m) | 11.1 | 0.4 | | 0.2 | 0.5 | | 7.4 | 3.8 | | | 0.8 | 13.7 |
| Queue Length 95th (m) | 27.1 | 19.3 | | 2.3 | 6.2 | | 16.3 | 12.9 | | | 2.9 | 25.7 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 535 | 743 | | 280 | 638 | | 955 | 2335 | | | 849 | 1838 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.16 | 0.30 | | 0.01 | 0.03 | | 0.20 | 0.09 | | | 0.03 | 0.24 |

Intersection Summary

Area Type: Other
 Cycle Length: 110
 Actuated Cycle Length: 80.4
 Natural Cycle: 75
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.54
 Intersection Signal Delay: 10.4
 Intersection LOS: B
 Intersection Capacity Utilization 62.8%
 ICU Level of Service B
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC
TT 2031 PM Phase 1 Horizon Year



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access
 TT 2031 PM Phase 1 Horizon Year

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.1 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 8 | 0 | 432 | 553 | 11 |
| Future Vol, veh/h | 0 | 8 | 0 | 432 | 553 | 11 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 8 | 0 | 432 | 553 | 11 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 282 | - | 0 | 0 |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - |
| Pot Cap-1 Maneuver | 0 | 721 | 0 | - | - |
| Stage 1 | 0 | - | 0 | - | - |
| Stage 2 | 0 | - | 0 | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 721 | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|----|----|----|
| HCM Control Delay, s | 10 | 0 | 0 |
| HCM LOS | B | | |

| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR |
|-----------------------|-----|-------|-----|-----|
| Capacity (veh/h) | - | 721 | - | - |
| HCM Lane V/C Ratio | - | 0.011 | - | - |
| HCM Control Delay (s) | - | 10 | - | - |
| HCM Lane LOS | - | B | - | - |
| HCM 95th %tile Q(veh) | - | 0 | - | - |

7: Dazé Street & Existing Access
 TT 2031 PM Phase 1 Horizon Year

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.9 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 43 | 54 | 432 | 553 | 0 |
| Future Vol, veh/h | 0 | 43 | 54 | 432 | 553 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 43 | 54 | 432 | 553 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 277 | 553 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 726 | 1027 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 726 | 1027 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

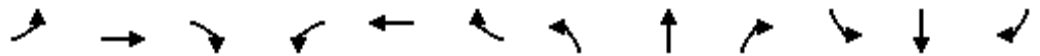
| Approach | EB | NB | SB |
|----------------------|------|----|----|
| HCM Control Delay, s | 10.3 | 1 | 0 |
| HCM LOS | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|-------|-----|-------|-----|-----|
| Capacity (veh/h) | 1027 | - | 726 | - | - |
| HCM Lane V/C Ratio | 0.053 | - | 0.059 | - | - |
| HCM Control Delay (s) | 8.7 | - | 10.3 | - | - |
| HCM Lane LOS | A | - | B | - | - |
| HCM 95th %tile Q(veh) | 0.2 | - | 0.2 | - | - |

Future (2041) Total Traffic

1: Airport Parkway & Hunt Club Road

TT 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 373 | 1175 | 26 | 76 | 1048 | 690 | 16 | 0 | 91 | 290 | 0 | 159 |
| Future Volume (vph) | 373 | 1175 | 26 | 76 | 1048 | 690 | 16 | 0 | 91 | 290 | 0 | 159 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 0.99 | | | | | | | |
| Fr _t | | 0.997 | | | 0.940 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1807 | 3436 | 0 | 1630 | 3181 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1806 | 3436 | 0 | 1629 | 3181 | 0 | 1706 | 0 | 1458 | 3437 | 0 | 1570 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 126 | | | | 164 | | | 159 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | | 80 |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | | 189.5 |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | | 8.5 |
| Confl. Peds. (#/hr) | 7 | | 2 | 2 | | 7 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | 1 | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 6% | 0% | 12% | 11% | 1% | 7% | 0% | 12% | 3% | 0% | 4% |
| Adj. Flow (vph) | 373 | 1175 | 26 | 76 | 1048 | 690 | 16 | 0 | 91 | 290 | 0 | 159 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 373 | 1201 | 0 | 76 | 1738 | 0 | 16 | 0 | 91 | 290 | 0 | 159 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 12.4 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 32.0 | 50.0 | | 32.0 | 50.0 | | 18.0 | | 18.0 | 48.0 | | 48.0 |
| Total Split (%) | 24.6% | 38.5% | | 24.6% | 38.5% | | 13.8% | | 13.8% | 36.9% | | 36.9% |
| Maximum Green (s) | 24.6 | 42.7 | | 24.6 | 42.7 | | 10.2 | | 10.2 | 40.2 | | 40.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 38.0 | 82.5 | | 11.4 | 53.1 | | 16.4 | | 16.4 | 16.4 | | 16.4 |
| Actuated g/C Ratio | 0.29 | 0.63 | | 0.09 | 0.41 | | 0.13 | | 0.13 | 0.13 | | 0.13 |

1: Airport Parkway & Hunt Club Road

TT 2041 AM Master Plan Build-out

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

TT 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|-------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.71 | 0.55 | | 0.54 | 1.27 | | 0.07 | | 0.28 | 0.67 | | 0.47 |
| Control Delay | 49.7 | 16.3 | | 48.1 | 155.5 | | 49.0 | | 2.1 | 61.8 | | 12.1 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 49.7 | 16.3 | | 48.1 | 155.5 | | 49.0 | | 2.1 | 61.8 | | 12.1 |
| LOS | D | B | | D | F | | D | | A | E | | B |
| Approach Delay | | 24.2 | | | 151.0 | | | 9.1 | | | | 44.2 |
| Approach LOS | | C | | | F | | | A | | | | D |
| Queue Length 50th (m) | 86.7 | 90.6 | | 19.1 | ~273.8 | | 3.7 | | 0.0 | 37.1 | | 0.0 |
| Queue Length 95th (m) | 120.1 | 131.7 | | m23.8 | m#290.7 | | 10.3 | | 0.0 | 49.7 | | 18.9 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 528 | 2182 | | 308 | 1373 | | 215 | | 327 | 1062 | | 595 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.71 | 0.55 | | 0.25 | 1.27 | | 0.07 | | 0.28 | 0.27 | | 0.27 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 150

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.27

Intersection Signal Delay: 84.4 Intersection LOS: F

Intersection Capacity Utilization 99.1% ICU Level of Service F

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.
Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road



1: Airport Parkway & Hunt Club Road

TT 2041 AM Master Plan Build-out

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2041 AM Master Plan Build-out



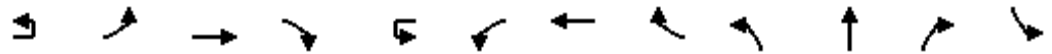
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|---------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↔↔↔ | | | ↔ | ↔↔ | ↔ | ↔↔ | ↔ | ↔ | ↔ |
| Traffic Volume (vph) | 19 | 190 | 1163 | 98 | 2 | 16 | 1274 | 83 | 200 | 110 | 67 | 93 |
| Future Volume (vph) | 19 | 190 | 1163 | 98 | 2 | 16 | 1274 | 83 | 200 | 110 | 67 | 93 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 0.99 | | 0.96 | 0.94 | | 0.99 | 1.00 |
| Fr _t | | | 0.988 | | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3477 | 4818 | 0 | 0 | 1515 | 3411 | 1601 | 3278 | 1902 | 1541 | 1772 |
| Fl _t Permitted | | 0.135 | | | | 0.833 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 491 | 4818 | 0 | 0 | 1320 | 3411 | 1543 | 3087 | 1902 | 1519 | 1768 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 12 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 15 | | 18 | | 18 | | 15 | 32 | | 2 | 2 |
| Confl. Bikes (#/hr) | | | | 1 | | | | 2 | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% | 7% | 7% | 0% | 23% | 7% | 2% | 8% | 1% | 6% | 3% |
| Adj. Flow (vph) | 19 | 190 | 1163 | 98 | 2 | 16 | 1274 | 83 | 200 | 110 | 67 | 93 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 209 | 1261 | 0 | 0 | 18 | 1274 | 83 | 200 | 110 | 67 | 93 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 15.0 | 15.0 | 52.0 | | 15.0 | 15.0 | 52.0 | 52.0 | 22.0 | 41.0 | 41.0 | 22.0 |
| Total Split (%) | 11.5% | 11.5% | 40.0% | | 11.5% | 11.5% | 40.0% | 40.0% | 16.9% | 31.5% | 31.5% | 16.9% |
| Maximum Green (s) | 8.5 | 8.5 | 45.8 | | 8.5 | 8.5 | 45.8 | 45.8 | 15.5 | 34.0 | 34.0 | 15.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Min | | None | None | C-Min | C-Min | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 29.7 | 75.7 | | | 8.9 | 46.9 | 46.9 | 12.9 | 15.2 | 15.2 | 11.9 |
| Actuated g/C Ratio | | 0.23 | 0.58 | | | 0.07 | 0.36 | 0.36 | 0.10 | 0.12 | 0.12 | 0.09 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2041 AM Master Plan Build-out



| Lane Group | SBT | SBR |
|---------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 35 | 216 |
| Future Volume (vph) | 35 | 216 |
| Ideal Flow (vphpl) | 1900 | 1900 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.95 |
| Fr _t | | 0.850 |
| Fl _t Protected | | |
| Satd. Flow (prot) | 1921 | 1601 |
| Fl _t Permitted | | |
| Satd. Flow (perm) | 1921 | 1524 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 32 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 2% |
| Adj. Flow (vph) | 35 | 216 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 35 | 216 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 14.3 | 14.3 |
| Actuated g/C Ratio | 0.11 | 0.11 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2041 AM Master Plan Build-out

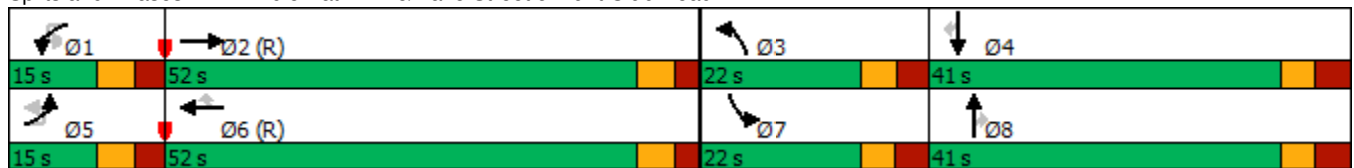


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|-------|-------|-----|-----|------|--------|------|------|-------|------|------|
| v/c Ratio | | 1.87 | 0.45 | | | 0.20 | 1.04 | 0.13 | 0.62 | 0.50 | 0.22 | 0.58 |
| Control Delay | | 451.1 | 13.5 | | | 60.6 | 76.1 | 0.5 | 64.3 | 60.6 | 1.7 | 70.3 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 451.1 | 13.5 | | | 60.6 | 76.1 | 0.5 | 64.3 | 60.6 | 1.7 | 70.3 |
| LOS | | F | B | | | E | E | A | E | E | A | E |
| Approach Delay | | | 75.7 | | | | 71.4 | | | 52.1 | | |
| Approach LOS | | | E | | | | E | | | D | | |
| Queue Length 50th (m) | | ~41.5 | 37.8 | | | 4.5 | 169.7 | 0.0 | 25.6 | 27.2 | 0.0 | 23.2 |
| Queue Length 95th (m) | | #72.8 | 78.3 | | | 12.1 | #230.8 | 0.5 | 37.5 | 43.1 | 0.0 | 39.8 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 112 | 2810 | | | 100 | 1230 | 648 | 390 | 497 | 498 | 209 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 1.87 | 0.45 | | | 0.18 | 1.04 | 0.13 | 0.51 | 0.22 | 0.13 | 0.44 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 135
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.87
 Intersection Signal Delay: 68.8
 Intersection LOS: E
 Intersection Capacity Utilization 92.9%
 ICU Level of Service F
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

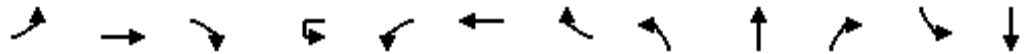


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2041 AM Master Plan Build-out



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.17 | 0.75 |
| Control Delay | 51.9 | 36.8 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 51.9 | 36.8 |
| LOS | D | D |
| Approach Delay | 47.4 | |
| Approach LOS | D | |
| Queue Length 50th (m) | 8.4 | 19.6 |
| Queue Length 95th (m) | 17.3 | 44.3 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 502 | 499 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.07 | 0.43 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road TT 2041 AM Master Plan Build-out



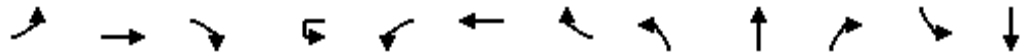
| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|---------------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | ↖↖ | ↗↗ | ↖ | | ↖ | ↗↗ | ↖ | ↖↖ | ↗↗ | ↖ | ↖↖ | ↗↗ |
| Traffic Volume (vph) | 179 | 799 | 298 | 1 | 34 | 1052 | 209 | 316 | 1026 | 24 | 92 | 351 |
| Future Volume (vph) | 179 | 799 | 298 | 1 | 34 | 1052 | 209 | 316 | 1026 | 24 | 92 | 351 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Storage Lanes | 2 | | 1 | | 1 | | 1 | 2 | | 1 | 2 | |
| Taper Length (m) | 2.5 | | | | 2.5 | | | 2.5 | | | | 2.5 |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.97 | 0.95 |
| Ped Bike Factor | 0.99 | | 0.98 | | 1.00 | | 0.97 | 0.97 | | 0.96 | 0.99 | |
| Fr _t | | | 0.850 | | | | 0.850 | | | 0.850 | | |
| Fl _t Protected | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 | |
| Satd. Flow (prot) | 3190 | 3380 | 1570 | 0 | 1725 | 3411 | 1617 | 3372 | 3544 | 1633 | 3471 | 3444 |
| Fl _t Permitted | 0.950 | | | | 0.769 | | | 0.950 | | | 0.950 | |
| Satd. Flow (perm) | 3173 | 3380 | 1533 | 0 | 1391 | 3411 | 1572 | 3261 | 3544 | 1569 | 3435 | 3444 |
| Right Turn on Red | | | Yes | | | | Yes | | | Yes | | |
| Satd. Flow (RTOR) | | | 298 | | | | 279 | | | 216 | | |
| Link Speed (k/h) | | 60 | | | | 60 | | | 60 | | | 60 |
| Link Distance (m) | | 152.6 | | | | 161.6 | | | 179.7 | | | 141.8 |
| Travel Time (s) | | 9.2 | | | | 9.7 | | | 10.8 | | | 8.5 |
| Confl. Peds. (#/hr) | 10 | | 9 | | 9 | | 10 | 25 | | 20 | 20 | |
| Confl. Bikes (#/hr) | | | | | | | 3 | | | 3 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 11% | 8% | 4% | 0% | 6% | 7% | 1% | 5% | 3% | 0% | 2% | 6% |
| Adj. Flow (vph) | 179 | 799 | 298 | 1 | 34 | 1052 | 209 | 316 | 1026 | 24 | 92 | 351 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 179 | 799 | 298 | 0 | 35 | 1052 | 209 | 316 | 1026 | 24 | 92 | 351 |
| Turn Type | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | Prot | NA |
| Protected Phases | 7 | 4 | | | 3 | 8 | | 5 | 2 | | 1 | 6 |
| Permitted Phases | | | 4 | 3 | | | 8 | | | 2 | | |
| Detector Phase | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 |
| Minimum Split (s) | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 | 34.5 |
| Total Split (s) | 21.0 | 45.0 | 45.0 | 13.0 | 13.0 | 37.0 | 37.0 | 25.0 | 48.0 | 48.0 | 14.0 | 37.0 |
| Total Split (%) | 17.5% | 37.5% | 37.5% | 10.8% | 10.8% | 30.8% | 30.8% | 20.8% | 40.0% | 40.0% | 11.7% | 30.8% |
| Maximum Green (s) | 14.5 | 38.3 | 38.3 | 6.5 | 6.5 | 30.3 | 30.3 | 17.9 | 41.5 | 41.5 | 6.9 | 30.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | 7.1 | 6.5 |
| Lead/Lag | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None | C-Max |
| Walk Time (s) | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | | 7.0 |
| Flash Dont Walk (s) | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 | | | 0 | 0 | | 0 | 0 | | 0 |
| Act Effct Green (s) | 11.8 | 40.9 | 40.9 | | 6.4 | 33.0 | 33.0 | 15.8 | 41.6 | 41.6 | 6.8 | 32.6 |
| Actuated g/C Ratio | 0.10 | 0.34 | 0.34 | | 0.05 | 0.28 | 0.28 | 0.13 | 0.35 | 0.35 | 0.06 | 0.27 |

3: Bank Street & Hunt Club Road TT 2041 AM Master Plan Build-out



| | |
|-------------------------|-------|
| Lane Group | SBR |
| Lane Configurations | ↑ |
| Traffic Volume (vph) | 162 |
| Future Volume (vph) | 162 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 120.0 |
| Storage Lanes | 1 |
| Taper Length (m) | |
| Lane Util. Factor | 1.00 |
| Ped Bike Factor | 0.96 |
| Fr _t | 0.850 |
| Flt Protected | |
| Satd. Flow (prot) | 1458 |
| Flt Permitted | |
| Satd. Flow (perm) | 1395 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | 281 |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 25 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 12% |
| Adj. Flow (vph) | 162 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 162 |
| Turn Type | Perm |
| Protected Phases | |
| Permitted Phases | 6 |
| Detector Phase | 6 |
| Switch Phase | |
| Minimum Initial (s) | 10.0 |
| Minimum Split (s) | 34.5 |
| Total Split (s) | 37.0 |
| Total Split (%) | 30.8% |
| Maximum Green (s) | 30.5 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 2.8 |
| Lost Time Adjust (s) | 0.0 |
| Total Lost Time (s) | 6.5 |
| Lead/Lag | Lag |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | C-Max |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 21.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | 32.6 |
| Actuated g/C Ratio | 0.27 |

3: Bank Street & Hunt Club Road TT 2041 AM Master Plan Build-out

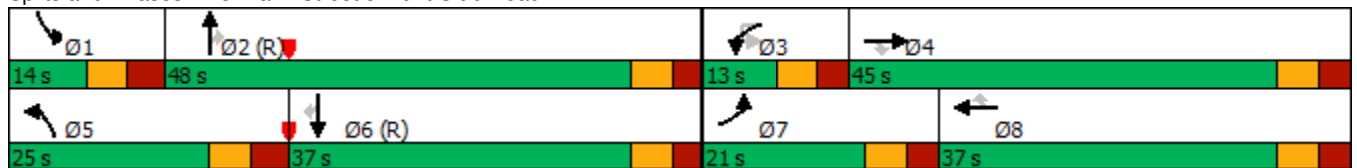


| Lane Group | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT |
|------------------------|------|-------|------|-----|-------|--------|-------|------|-------|------|------|-------|
| v/c Ratio | 0.57 | 0.69 | 0.41 | | 0.47 | 1.12 | 0.33 | 0.71 | 0.83 | 0.04 | 0.47 | 0.38 |
| Control Delay | 58.7 | 38.8 | 5.2 | | 76.3 | 109.7 | 2.4 | 59.1 | 43.3 | 0.1 | 67.4 | 29.0 |
| Queue Delay | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | 58.7 | 38.8 | 5.2 | | 76.3 | 109.7 | 2.4 | 59.1 | 43.3 | 0.1 | 67.4 | 29.0 |
| LOS | E | D | A | | E | F | A | E | D | A | E | C |
| Approach Delay | | 33.7 | | | | 91.5 | | | 46.2 | | | 27.4 |
| Approach LOS | | C | | | | F | | | D | | | C |
| Queue Length 50th (m) | 21.0 | 88.0 | 0.0 | | 8.2 | ~151.1 | 0.0 | 37.0 | 116.3 | 0.0 | 11.4 | 23.6 |
| Queue Length 95th (m) | 31.9 | 111.0 | 19.1 | | #20.3 | #201.0 | 4.7 | 51.2 | 143.2 | 0.0 | 19.7 | 31.9 |
| Internal Link Dist (m) | | 128.6 | | | | 137.6 | | | 155.7 | | | 117.8 |
| Turn Bay Length (m) | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | 60.0 | 30.0 | |
| Base Capacity (vph) | 385 | 1151 | 719 | | 75 | 937 | 634 | 502 | 1229 | 684 | 199 | 935 |
| Starvation Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | 0.46 | 0.69 | 0.41 | | 0.47 | 1.12 | 0.33 | 0.63 | 0.83 | 0.04 | 0.46 | 0.38 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 65 (54%), Referenced to phase 2:NBT and 6:SBT, Start of Green
 Natural Cycle: 105
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 1.12
 Intersection Signal Delay: 53.1 Intersection LOS: D
 Intersection Capacity Utilization 89.0% ICU Level of Service E
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road TT 2041 AM Master Plan Build-out



| | |
|------------------------|-------|
| Lane Group | SBR |
| v/c Ratio | 0.28 |
| Control Delay | 1.2 |
| Queue Delay | 0.0 |
| Total Delay | 1.2 |
| LOS | A |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | 0.1 |
| Queue Length 95th (m) | 0.2 |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | 120.0 |
| Base Capacity (vph) | 583 |
| Starvation Cap Reductn | 0 |
| Spillback Cap Reductn | 0 |
| Storage Cap Reductn | 0 |
| Reduced v/c Ratio | 0.28 |
| Intersection Summary | |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| Lane Configurations | | ↕ | ↗ | | ↕ | ↗ | ↖ | ↕↗ | | | ↖ | ↕↗ |
| Traffic Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 1064 | 51 | 3 | 17 | 440 |
| Future Volume (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 1064 | 51 | 3 | 17 | 440 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | 45.0 | | 0.0 | | 70.0 | |
| Storage Lanes | 0 | | 1 | 0 | | 1 | 1 | | 0 | | 1 | |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 0.97 | 0.97 | | 0.98 | 0.95 | 1.00 | 1.00 | | | | 1.00 |
| Fr _t | | | 0.850 | | | 0.850 | | 0.993 | | | | |
| Fl _t Protected | | 0.950 | | | 0.950 | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 0 | 1772 | 1570 | 0 | 1738 | 1585 | 1807 | 3421 | 0 | 0 | 1825 | 3349 |
| Fl _t Permitted | | 0.709 | | | 0.623 | | 0.452 | | | | 0.256 | |
| Satd. Flow (perm) | 0 | 1277 | 1521 | 0 | 1121 | 1505 | 856 | 3421 | 0 | 0 | 491 | 3349 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | | 105 | | | 143 | | 7 | | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | 60 | | | | 60 |
| Link Distance (m) | | 72.9 | | | 188.5 | | | 169.4 | | | | 264.5 |
| Travel Time (s) | | 5.2 | | | 13.6 | | | 10.2 | | | | 15.9 |
| Confl. Peds. (#/hr) | 19 | | 10 | 10 | | 19 | 6 | | 3 | | | 3 |
| Confl. Bikes (#/hr) | | | | | | 2 | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 3% | 0% | 4% | 5% | 0% | 3% | 1% | 6% | 2% | 0% | 0% | 9% |
| Adj. Flow (vph) | 122 | 0 | 33 | 73 | 0 | 148 | 90 | 1064 | 51 | 3 | 17 | 440 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 122 | 33 | 0 | 73 | 148 | 90 | 1115 | 0 | 0 | 20 | 440 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | pm+pt | NA | | Perm | Perm | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 6 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | | 6 | 6 | |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 2 | | 6 | 6 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 10.0 | | 10.0 | 10.0 | 10.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 34.3 | | 34.3 | 34.3 | 34.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 14.0 | 78.0 | | 64.0 | 64.0 | 64.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 11.7% | 65.0% | | 53.3% | 53.3% | 53.3% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 7.7 | 71.7 | | 57.7 | 57.7 | 57.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | 6.3 | 6.3 | | | 6.3 | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | | | Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | C-Max | | C-Max | C-Max | C-Max |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | 7.0 | | 7.0 | 7.0 | 7.0 |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | 11.0 | | 11.0 | 11.0 | 11.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | 0 | 0 | 0 |
| Act Effct Green (s) | | 16.9 | 16.9 | | 16.9 | 16.9 | 85.7 | 85.7 | | | 72.0 | 72.0 |
| Actuated g/C Ratio | | 0.14 | 0.14 | | 0.14 | 0.14 | 0.71 | 0.71 | | | 0.60 | 0.60 |

4: Bank Street & Dazé Street/Cahill Drive TT 2041 AM Master Plan Build-out

| Lane Group | SBR | Ø3 | Ø7 |
|-------------------------|-------|------|------|
| Lane Configurations | | | |
| Traffic Volume (vph) | 134 | | |
| Future Volume (vph) | 134 | | |
| Ideal Flow (vphpl) | 1900 | | |
| Storage Length (m) | 75.0 | | |
| Storage Lanes | 0 | | |
| Taper Length (m) | | | |
| Lane Util. Factor | 1.00 | | |
| Ped Bike Factor | 0.98 | | |
| Frt | 0.850 | | |
| Flt Protected | | | |
| Satd. Flow (prot) | 1498 | | |
| Flt Permitted | | | |
| Satd. Flow (perm) | 1463 | | |
| Right Turn on Red | Yes | | |
| Satd. Flow (RTOR) | 134 | | |
| Link Speed (k/h) | | | |
| Link Distance (m) | | | |
| Travel Time (s) | | | |
| Confl. Peds. (#/hr) | 6 | | |
| Confl. Bikes (#/hr) | | | |
| Peak Hour Factor | 1.00 | | |
| Heavy Vehicles (%) | 9% | | |
| Adj. Flow (vph) | 134 | | |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 134 | | |
| Turn Type | Perm | | |
| Protected Phases | | 3 | 7 |
| Permitted Phases | 6 | | |
| Detector Phase | 6 | | |
| Switch Phase | | | |
| Minimum Initial (s) | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 64.0 | 5.0 | 5.0 |
| Total Split (%) | 53.3% | 4% | 4% |
| Maximum Green (s) | 57.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | | |
| Total Lost Time (s) | 6.3 | | |
| Lead/Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | Max | Max |
| Walk Time (s) | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | | |
| Act Effct Green (s) | 72.0 | | |
| Actuated g/C Ratio | 0.60 | | |

4: Bank Street & Dazé Street/Cahill Drive

TT 2041 AM Master Plan Build-out

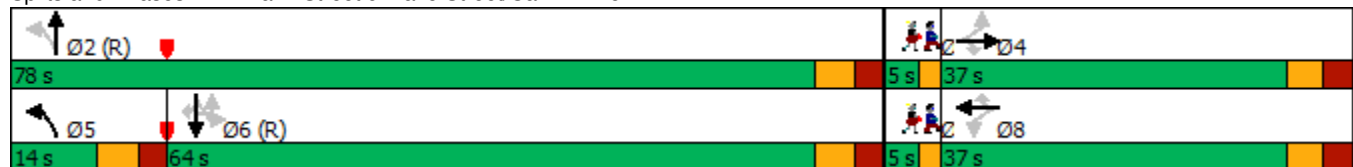


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|-----|------|------|-----|-------|------|------|-------|-----|-----|------|-------|
| v/c Ratio | | 0.68 | 0.11 | | 0.46 | 0.44 | 0.13 | 0.46 | | | 0.07 | 0.22 |
| Control Delay | | 67.0 | 0.7 | | 55.5 | 11.8 | 6.2 | 6.6 | | | 13.2 | 12.3 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | | 67.0 | 0.7 | | 55.5 | 11.8 | 6.2 | 6.6 | | | 13.2 | 12.3 |
| LOS | | E | A | | E | B | A | A | | | B | B |
| Approach Delay | | 52.9 | | | 26.3 | | | 6.5 | | | | 10.2 |
| Approach LOS | | D | | | C | | | A | | | | B |
| Queue Length 50th (m) | | 27.7 | 0.0 | | 16.0 | 1.0 | 4.5 | 30.7 | | | 1.8 | 23.4 |
| Queue Length 95th (m) | | 45.1 | 0.0 | | 29.2 | 18.0 | m8.8 | 50.6 | | | 6.6 | 38.7 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | 145.4 | | | | 240.5 |
| Turn Bay Length (m) | | | | | | 40.0 | 45.0 | | | | 70.0 | |
| Base Capacity (vph) | | 328 | 469 | | 288 | 493 | 675 | 2445 | | | 294 | 2009 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | | 0.37 | 0.07 | | 0.25 | 0.30 | 0.13 | 0.46 | | | 0.07 | 0.22 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 57 (48%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.68
 Intersection Signal Delay: 12.8
 Intersection LOS: B
 Intersection Capacity Utilization 83.2%
 ICU Level of Service E
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive TT 2041 AM Master Plan Build-out



| Lane Group | SBR | Ø3 | Ø7 |
|------------------------|------|----|----|
| v/c Ratio | 0.14 | | |
| Control Delay | 2.6 | | |
| Queue Delay | 0.0 | | |
| Total Delay | 2.6 | | |
| LOS | A | | |
| Approach Delay | | | |
| Approach LOS | | | |
| Queue Length 50th (m) | 0.0 | | |
| Queue Length 95th (m) | 9.1 | | |
| Internal Link Dist (m) | | | |
| Turn Bay Length (m) | 75.0 | | |
| Base Capacity (vph) | 931 | | |
| Starvation Cap Reductn | 0 | | |
| Spillback Cap Reductn | 0 | | |
| Storage Cap Reductn | 0 | | |
| Reduced v/c Ratio | 0.14 | | |
| Intersection Summary | | | |

5: Dazé Street & South Keys SC
 TT 2041 AM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 171 |
| Future Volume (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 171 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 1.00 | 0.99 | | 1.00 | 0.99 | | | 1.00 | | | | |
| Fr _t | | 0.852 | | | 0.883 | | | 0.998 | | | | 0.948 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1722 | 1566 | 0 | 1521 | 1678 | 0 | 1807 | 3571 | 0 | 0 | 1825 | 3382 |
| Fl _t Permitted | 0.752 | | | 0.702 | | | 0.537 | | | | 0.605 | |
| Satd. Flow (perm) | 1360 | 1566 | 0 | 1123 | 1678 | 0 | 1021 | 3571 | 0 | 0 | 1162 | 3382 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 83 | | | 7 | | | 2 | | | | 90 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 2 | | 1 | 1 | | 2 | | | | | | |
| Confl. Bikes (#/hr) | | | | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 6% | 100% | 2% | 20% | 0% | 0% | 1% | 2% | 0% | 0% | 0% | 3% |
| Adj. Flow (vph) | 35 | 1 | 83 | 5 | 2 | 7 | 115 | 233 | 3 | 2 | 4 | 171 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 35 | 84 | 0 | 5 | 9 | 0 | 115 | 236 | 0 | 0 | 6 | 261 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | | 1 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | | 5.0 | 5.0 | | 1.4 | 5.0 | | 1.4 | 1.4 | 5.0 |
| Minimum Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 7.3 | 32.9 | | 7.3 | 7.3 | 32.9 |
| Total Split (s) | 28.0 | 28.0 | | 28.1 | 28.1 | | 12.0 | 35.0 | | 12.0 | 12.0 | 35.0 |
| Total Split (%) | 37.3% | 37.3% | | 37.4% | 37.4% | | 16.0% | 46.6% | | 16.0% | 16.0% | 46.6% |
| Maximum Green (s) | 22.0 | 22.0 | | 22.0 | 22.0 | | 6.1 | 29.1 | | 6.1 | 6.1 | 29.1 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.7 | 2.7 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.0 | 6.0 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 7.1 | 7.1 | | 7.0 | 7.0 | | 41.0 | 41.2 | | | 37.1 | 34.2 |
| Actuated g/C Ratio | 0.12 | 0.12 | | 0.12 | 0.12 | | 0.70 | 0.71 | | | 0.64 | 0.59 |

5: Dazé Street & South Keys SC
 TT 2041 AM Master Plan Build-out



| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 90 |
| Future Volume (vph) | 90 |
| Ideal Flow (vphpl) | 1900 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 90 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 TT 2041 AM Master Plan Build-out

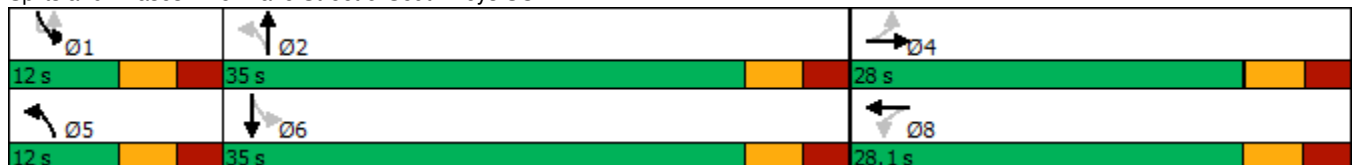


| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.21 | 0.32 | | 0.04 | 0.04 | | 0.14 | 0.09 | | | 0.01 | 0.13 |
| Control Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 6.0 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 27.1 | 10.5 | | 23.8 | 16.4 | | 4.1 | 5.2 | | | 3.8 | 6.0 |
| LOS | C | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 15.3 | | | 19.1 | | | 4.9 | | | | 6.0 |
| Approach LOS | | B | | | B | | | A | | | | A |
| Queue Length 50th (m) | 3.6 | 0.1 | | 0.5 | 0.2 | | 3.3 | 3.5 | | | 0.2 | 4.9 |
| Queue Length 95th (m) | 10.5 | 10.2 | | 3.1 | 3.6 | | 8.2 | 12.8 | | | 1.1 | 10.9 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 517 | 647 | | 425 | 640 | | 799 | 2521 | | | 815 | 2015 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.07 | 0.13 | | 0.01 | 0.01 | | 0.14 | 0.09 | | | 0.01 | 0.13 |

Intersection Summary

Area Type: Other
 Cycle Length: 75.1
 Actuated Cycle Length: 58.4
 Natural Cycle: 70
 Control Type: Semi Act-Uncoord
 Maximum v/c Ratio: 0.32
 Intersection Signal Delay: 7.2
 Intersection LOS: A
 Intersection Capacity Utilization 37.7%
 ICU Level of Service A
 Analysis Period (min) 15

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC TT 2041 AM Master Plan Build-out



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access TT 2041 AM Master Plan Build-out

| Intersection | | | | | | |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh | 0.6 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 41 | 0 | 351 | 240 | 20 |
| Future Vol, veh/h | 0 | 41 | 0 | 351 | 240 | 20 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 41 | 0 | 351 | 240 | 20 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 130 | - | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - |
| Pot Cap-1 Maneuver | 0 | 902 | 0 | - | - |
| Stage 1 | 0 | - | 0 | - | - |
| Stage 2 | 0 | - | 0 | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 902 | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|-----|----|----|
| HCM Control Delay, s | 9.2 | 0 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR |
|-----------------------|-----|-------|-----|-----|
| Capacity (veh/h) | - | 902 | - | - |
| HCM Lane V/C Ratio | - | 0.045 | - | - |
| HCM Control Delay (s) | - | 9.2 | - | - |
| HCM Lane LOS | - | A | - | - |
| HCM 95th %tile Q(veh) | - | 0.1 | - | - |

7: Dazé Street & Existing Access
 TT 2041 AM Master Plan Build-out

Intersection

Int Delay, s/veh 1.7

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 97 | 44 | 351 | 240 | 0 |
| Future Vol, veh/h | 0 | 97 | 44 | 351 | 240 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 97 | 44 | 351 | 240 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 120 | 240 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 915 | 1339 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 915 | 1339 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|-----|-----|----|
| HCM Control Delay, s | 9.4 | 0.9 | 0 |
| HCM LOS | A | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|-------|-----|-------|-----|-----|
| Capacity (veh/h) | 1339 | - | 915 | - | - |
| HCM Lane V/C Ratio | 0.033 | - | 0.106 | - | - |
| HCM Control Delay (s) | 7.8 | - | 9.4 | - | - |
| HCM Lane LOS | A | - | A | - | - |
| HCM 95th %tile Q(veh) | 0.1 | - | 0.4 | - | - |

1: Airport Parkway & Hunt Club Road

TT 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 188 | 1437 | 34 | 88 | 1396 | 377 | 16 | 0 | 152 | 664 | 0 | 302 |
| Future Volume (vph) | 188 | 1437 | 34 | 88 | 1396 | 377 | 16 | 0 | 152 | 664 | 0 | 302 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | 150.0 | | 0.0 | 55.0 | | 0.0 | 0.0 | | 40.0 | 120.0 | | 120.0 |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 1 | 1 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | 7.6 | | | 7.6 | | |
| Lane Util. Factor | 1.00 | 0.95 | 0.95 | 1.00 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 0.97 | 1.00 | 1.00 |
| Ped Bike Factor | 1.00 | 1.00 | | 1.00 | 1.00 | | 0.99 | | | | | 0.99 |
| Fr _t | | 0.997 | | | 0.968 | | | | 0.850 | | | 0.850 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (prot) | 1712 | 3285 | 0 | 1530 | 3241 | 0 | 1616 | 0 | 1488 | 3321 | 0 | 1532 |
| Fl _t Permitted | 0.950 | | | 0.950 | | | 0.950 | | | 0.950 | | |
| Satd. Flow (perm) | 1710 | 3285 | 0 | 1528 | 3241 | 0 | 1599 | 0 | 1488 | 3321 | 0 | 1509 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes |
| Satd. Flow (RTOR) | | 2 | | | 29 | | | | 164 | | | 302 |
| Link Speed (k/h) | | 60 | | | 60 | | | 80 | | | 80 | |
| Link Distance (m) | | 431.4 | | | 316.9 | | | 354.1 | | | 189.5 | |
| Travel Time (s) | | 25.9 | | | 19.0 | | | 15.9 | | | 8.5 | |
| Confl. Peds. (#/hr) | 11 | | 5 | 5 | | 11 | 3 | | | | | 3 |
| Confl. Bikes (#/hr) | | | 1 | | | | | | | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 5% | 0% | 13% | 3% | 2% | 7% | 0% | 4% | 1% | 0% | 1% |
| Adj. Flow (vph) | 188 | 1437 | 34 | 88 | 1396 | 377 | 16 | 0 | 152 | 664 | 0 | 302 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 188 | 1471 | 0 | 88 | 1773 | 0 | 16 | 0 | 152 | 664 | 0 | 302 |
| Turn Type | Prot | NA | | Prot | NA | | Perm | | Perm | Perm | | Perm |
| Protected Phases | 5 | 2 | | 1 | 6 | | | | | | | |
| Permitted Phases | | | | | | | 4 | | 4 | 8 | | 8 |
| Detector Phase | 5 | 2 | | 1 | 6 | | 4 | | 4 | 8 | | 8 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 10.0 | | 5.0 | 10.0 | | 10.0 | | 10.0 | 10.0 | | 10.0 |
| Minimum Split (s) | 17.2 | 47.3 | | 12.4 | 47.3 | | 17.8 | | 17.8 | 22.5 | | 22.5 |
| Total Split (s) | 28.0 | 53.0 | | 28.0 | 53.0 | | 19.0 | | 19.0 | 49.0 | | 49.0 |
| Total Split (%) | 21.5% | 40.8% | | 21.5% | 40.8% | | 14.6% | | 14.6% | 37.7% | | 37.7% |
| Maximum Green (s) | 20.6 | 45.7 | | 20.6 | 45.7 | | 11.2 | | 11.2 | 41.2 | | 41.2 |
| Yellow Time (s) | 3.7 | 3.7 | | 3.7 | 3.7 | | 3.7 | | 3.7 | 3.7 | | 3.7 |
| All-Red Time (s) | 3.7 | 3.6 | | 3.7 | 3.6 | | 4.1 | | 4.1 | 4.1 | | 4.1 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Lost Time (s) | 7.4 | 7.3 | | 7.4 | 7.3 | | 7.8 | | 7.8 | 7.8 | | 7.8 |
| Lead/Lag | Lead | Lag | | Lead | Lag | | Lag | | Lag | | | |
| Lead-Lag Optimize? | Yes | Yes | | Yes | Yes | | Yes | | Yes | | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | | 3.0 | 3.0 | | 3.0 |
| Recall Mode | None | C-Max | | None | C-Max | | None | | None | None | | None |
| Walk Time (s) | | 31.0 | | | 31.0 | | | | | | | |
| Flash Dont Walk (s) | | 9.0 | | | 9.0 | | | | | | | |
| Pedestrian Calls (#/hr) | | 0 | | | 0 | | | | | | | |
| Act Effct Green (s) | 18.8 | 62.5 | | 12.8 | 56.4 | | 32.2 | | 32.2 | 32.2 | | 32.2 |
| Actuated g/C Ratio | 0.14 | 0.48 | | 0.10 | 0.43 | | 0.25 | | 0.25 | 0.25 | | 0.25 |

1: Airport Parkway & Hunt Club Road

TT 2041 PM Master Plan Build-out

| | |
|-------------------------|------|
| Lane Group | Ø3 |
| Lane Configurations | |
| Traffic Volume (vph) | |
| Future Volume (vph) | |
| Ideal Flow (vphpl) | |
| Storage Length (m) | |
| Storage Lanes | |
| Taper Length (m) | |
| Lane Util. Factor | |
| Ped Bike Factor | |
| Frt | |
| Flt Protected | |
| Satd. Flow (prot) | |
| Flt Permitted | |
| Satd. Flow (perm) | |
| Right Turn on Red | |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | |
| Heavy Vehicles (%) | |
| Adj. Flow (vph) | |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | |
| Turn Type | |
| Protected Phases | 3 |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | 5.0 |
| Minimum Split (s) | 29.8 |
| Total Split (s) | 30.0 |
| Total Split (%) | 23% |
| Maximum Green (s) | 22.2 |
| Yellow Time (s) | 3.7 |
| All-Red Time (s) | 4.1 |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | Lead |
| Lead-Lag Optimize? | Yes |
| Vehicle Extension (s) | 3.0 |
| Recall Mode | None |
| Walk Time (s) | 7.0 |
| Flash Dont Walk (s) | 15.0 |
| Pedestrian Calls (#/hr) | 0 |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

1: Airport Parkway & Hunt Club Road

TT 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
|------------------------|-------|--------|-----|-------|---------|-----|------|-------|------|-------|-----|-------|
| v/c Ratio | 0.76 | 0.93 | | 0.59 | 1.25 | | 0.04 | | 0.31 | 0.81 | | 0.50 |
| Control Delay | 72.5 | 44.3 | | 53.6 | 143.8 | | 34.6 | | 5.8 | 53.8 | | 6.8 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | | 0.0 | 0.0 | | 0.0 |
| Total Delay | 72.5 | 44.3 | | 53.6 | 143.8 | | 34.6 | | 5.8 | 53.8 | | 6.8 |
| LOS | E | D | | D | F | | C | | A | D | | A |
| Approach Delay | | 47.5 | | | 139.5 | | | 8.5 | | | | 39.1 |
| Approach LOS | | D | | | F | | | A | | | | D |
| Queue Length 50th (m) | 46.6 | 181.8 | | 22.5 | ~291.3 | | 3.1 | | 0.0 | 82.9 | | 0.0 |
| Queue Length 95th (m) | 70.5 | #277.7 | | m23.1 | m#290.8 | | 8.5 | | 13.0 | 96.9 | | 20.5 |
| Internal Link Dist (m) | | 407.4 | | | 292.9 | | | 330.1 | | | | 165.5 |
| Turn Bay Length (m) | 150.0 | | | 55.0 | | | | | 40.0 | 120.0 | | 120.0 |
| Base Capacity (vph) | 281 | 1579 | | 242 | 1423 | | 396 | | 492 | 1052 | | 684 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | | 0 | 0 | | 0 |
| Reduced v/c Ratio | 0.67 | 0.93 | | 0.36 | 1.25 | | 0.04 | | 0.31 | 0.63 | | 0.44 |

Intersection Summary

Area Type: Other

Cycle Length: 130

Actuated Cycle Length: 130

Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green

Natural Cycle: 145

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 1.25

Intersection Signal Delay: 81.2

Intersection LOS: F

Intersection Capacity Utilization 103.4%

ICU Level of Service G

Analysis Period (min) 15

~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 1: Airport Parkway & Hunt Club Road



1: Airport Parkway & Hunt Club Road

TT 2041 PM Master Plan Build-out

| | |
|------------------------|----|
| Lane Group | Ø3 |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2041 PM Master Plan Build-out



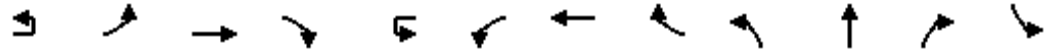
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|-------------------------|--------|-------|-------|------|--------|-------|-------|-------|-------|-------|-------|-------|
| Lane Configurations | | ↔↔ | ↔↔↔ | | | ↔ | ↔↔ | ↔ | ↔↔ | ↔ | ↔ | ↔ |
| Traffic Volume (vph) | 33 | 311 | 1529 | 244 | 28 | 37 | 1392 | 95 | 141 | 110 | 75 | 122 |
| Future Volume (vph) | 33 | 311 | 1529 | 244 | 28 | 37 | 1392 | 95 | 141 | 110 | 75 | 122 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | | 100.0 | | 0.0 | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Storage Lanes | | 2 | | 0 | | 1 | | 1 | 2 | | 1 | 1 |
| Taper Length (m) | | 7.6 | | | | 7.6 | | | 7.6 | | | 7.6 |
| Lane Util. Factor | 0.91 | 0.97 | 0.91 | 0.91 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 1.00 | 1.00 | 1.00 |
| Ped Bike Factor | | 0.99 | 0.99 | | | 1.00 | | 0.93 | 0.93 | | 0.96 | 0.98 |
| Frt | | | 0.979 | | | | | 0.850 | | | 0.850 | |
| Flt Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | 0.950 |
| Satd. Flow (prot) | 0 | 3324 | 4579 | 0 | 0 | 1729 | 3357 | 1532 | 3225 | 1820 | 1532 | 1712 |
| Flt Permitted | | 0.193 | | | | 0.208 | | | 0.950 | | | 0.950 |
| Satd. Flow (perm) | 0 | 668 | 4579 | 0 | 0 | 377 | 3357 | 1431 | 3009 | 1820 | 1474 | 1675 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | 26 | | | | | 143 | | | 137 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 50 | | |
| Link Distance (m) | | | 316.9 | | | | 201.3 | | | 183.6 | | |
| Travel Time (s) | | | 19.0 | | | | 12.1 | | | 13.2 | | |
| Confl. Peds. (#/hr) | | 35 | | 25 | | 25 | | 35 | 44 | | 22 | 22 |
| Confl. Bikes (#/hr) | | | | 1 | | | | | | | 1 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 1% | 5% | 5% | 0% | 0% | 3% | 1% | 4% | 0% | 1% | 1% |
| Adj. Flow (vph) | 33 | 311 | 1529 | 244 | 28 | 37 | 1392 | 95 | 141 | 110 | 75 | 122 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 344 | 1773 | 0 | 0 | 65 | 1392 | 95 | 141 | 110 | 75 | 122 |
| Turn Type | custom | Prot | NA | | custom | Prot | NA | Perm | Prot | NA | Perm | Prot |
| Protected Phases | | 5 | 2 | | | 1 | 6 | | 3 | 8 | | 7 |
| Permitted Phases | 5 | | | | 1 | | | 6 | | | | 8 |
| Detector Phase | 5 | 5 | 2 | | 1 | 1 | 6 | 6 | 3 | 8 | 8 | 7 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 40.2 | | 11.5 | 11.5 | 40.2 | 40.2 | 11.5 | 41.0 | 41.0 | 11.6 |
| Total Split (s) | 18.0 | 18.0 | 54.0 | | 18.0 | 18.0 | 54.0 | 54.0 | 17.0 | 41.0 | 41.0 | 17.0 |
| Total Split (%) | 13.8% | 13.8% | 41.5% | | 13.8% | 13.8% | 41.5% | 41.5% | 13.1% | 31.5% | 31.5% | 13.1% |
| Maximum Green (s) | 11.5 | 11.5 | 47.8 | | 11.5 | 11.5 | 47.8 | 47.8 | 10.5 | 34.0 | 34.0 | 10.4 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 | 3.7 | 3.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | 2.5 | | 2.8 | 2.8 | 2.5 | 2.5 | 3.2 | 3.7 | 3.7 | 3.3 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | | 6.5 | 6.2 | | | 6.5 | 6.2 | 6.2 | 6.5 | 7.0 | 7.0 | 6.6 |
| Lead/Lag | Lead | Lead | Lag | | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | C-Max | | None | None | C-Max | C-Max | None | None | None | None |
| Walk Time (s) | | | 7.0 | | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 18.0 | | | | 18.0 | 18.0 | | 27.0 | 27.0 | |
| Pedestrian Calls (#/hr) | | | 0 | | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 20.7 | 49.4 | | | 19.2 | 47.8 | 47.8 | 9.8 | 24.8 | 24.8 | 10.4 |
| Actuated g/C Ratio | | 0.16 | 0.38 | | | 0.15 | 0.37 | 0.37 | 0.08 | 0.19 | 0.19 | 0.08 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road TT 2041 PM Master Plan Build-out



| Lane Group | SBT | SBR |
|---------------------------|-------|-------|
| Lane Configurations | ↑ | ↑ |
| Traffic Volume (vph) | 164 | 345 |
| Future Volume (vph) | 164 | 345 |
| Ideal Flow (vphpl) | 1800 | 1800 |
| Storage Length (m) | | 0.0 |
| Storage Lanes | | 1 |
| Taper Length (m) | | |
| Lane Util. Factor | 1.00 | 1.00 |
| Ped Bike Factor | | 0.94 |
| Fr _t | | 0.850 |
| Fl _t Protected | | |
| Satd. Flow (prot) | 1802 | 1532 |
| Fl _t Permitted | | |
| Satd. Flow (perm) | 1802 | 1438 |
| Right Turn on Red | | Yes |
| Satd. Flow (RTOR) | | 137 |
| Link Speed (k/h) | 50 | |
| Link Distance (m) | 209.8 | |
| Travel Time (s) | 15.1 | |
| Confl. Peds. (#/hr) | | 44 |
| Confl. Bikes (#/hr) | | |
| Peak Hour Factor | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 1% |
| Adj. Flow (vph) | 164 | 345 |
| Shared Lane Traffic (%) | | |
| Lane Group Flow (vph) | 164 | 345 |
| Turn Type | NA | Perm |
| Protected Phases | 4 | |
| Permitted Phases | | 4 |
| Detector Phase | 4 | 4 |
| Switch Phase | | |
| Minimum Initial (s) | 10.0 | 10.0 |
| Minimum Split (s) | 41.0 | 41.0 |
| Total Split (s) | 41.0 | 41.0 |
| Total Split (%) | 31.5% | 31.5% |
| Maximum Green (s) | 34.0 | 34.0 |
| Yellow Time (s) | 3.3 | 3.3 |
| All-Red Time (s) | 3.7 | 3.7 |
| Lost Time Adjust (s) | 0.0 | 0.0 |
| Total Lost Time (s) | 7.0 | 7.0 |
| Lead/Lag | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 |
| Recall Mode | None | None |
| Walk Time (s) | 7.0 | 7.0 |
| Flash Dont Walk (s) | 27.0 | 27.0 |
| Pedestrian Calls (#/hr) | 0 | 0 |
| Act Effct Green (s) | 25.4 | 25.4 |
| Actuated g/C Ratio | 0.20 | 0.20 |

2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2041 PM Master Plan Build-out

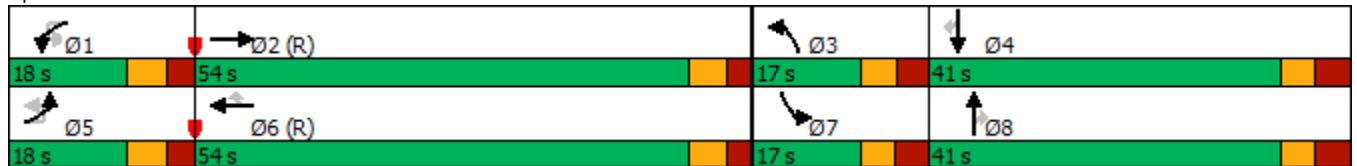


| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBL |
|------------------------|-----|---------|---------|-----|-----|-------|--------|------|------|-------|------|-------|
| v/c Ratio | | 3.25 | 1.01 | | | 1.18 | 1.13 | 0.15 | 0.58 | 0.32 | 0.19 | 0.90 |
| Control Delay | | 1040.3 | 55.3 | | | 225.5 | 106.7 | 1.5 | 67.9 | 45.3 | 1.1 | 112.7 |
| Queue Delay | | 0.0 | 0.0 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Delay | | 1040.3 | 55.3 | | | 225.5 | 106.7 | 1.5 | 67.9 | 45.3 | 1.1 | 112.7 |
| LOS | | F | E | | | F | F | A | E | D | A | F |
| Approach Delay | | | 215.4 | | | | 105.3 | | | 44.9 | | |
| Approach LOS | | | F | | | | F | | | D | | |
| Queue Length 50th (m) | | ~83.6 | ~175.9 | | | ~20.2 | ~217.0 | 0.0 | 18.1 | 24.0 | 0.0 | 31.5 |
| Queue Length 95th (m) | | m#105.0 | m#202.1 | | | #56.1 | #259.6 | 2.9 | 29.1 | 38.2 | 0.0 | #67.9 |
| Internal Link Dist (m) | | | 292.9 | | | | 177.3 | | | 159.6 | | |
| Turn Bay Length (m) | | 100.0 | | | | 80.0 | | 90.0 | 50.0 | | 25.0 | 50.0 |
| Base Capacity (vph) | | 106 | 1754 | | | 55 | 1234 | 616 | 260 | 476 | 486 | 136 |
| Starvation Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillback Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Cap Reductn | | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reduced v/c Ratio | | 3.25 | 1.01 | | | 1.18 | 1.13 | 0.15 | 0.54 | 0.23 | 0.15 | 0.90 |

Intersection Summary

Area Type: Other
 Cycle Length: 130
 Actuated Cycle Length: 130
 Offset: 1 (1%), Referenced to phase 2:EBT and 6:WBT, Start of Green
 Natural Cycle: 135
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 3.25
 Intersection Signal Delay: 145.7 Intersection LOS: F
 Intersection Capacity Utilization 104.9% ICU Level of Service G
 Analysis Period (min) 15
 ~ Volume exceeds capacity, queue is theoretically infinite.
 Queue shown is maximum after two cycles.
 # 95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 2: Bridle Path Drive/Dazé Street & Hunt Club Road

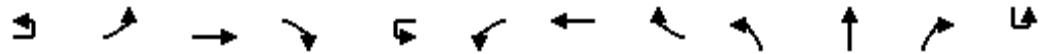


2: Bridle Path Drive/Dazé Street & Hunt Club Road
 TT 2041 PM Master Plan Build-out



| Lane Group | SBT | SBR |
|------------------------|-------|------|
| v/c Ratio | 0.47 | 0.88 |
| Control Delay | 49.0 | 53.1 |
| Queue Delay | 0.0 | 0.0 |
| Total Delay | 49.0 | 53.1 |
| LOS | D | D |
| Approach Delay | 63.6 | |
| Approach LOS | E | |
| Queue Length 50th (m) | 37.0 | 53.8 |
| Queue Length 95th (m) | 54.7 | 85.9 |
| Internal Link Dist (m) | 185.8 | |
| Turn Bay Length (m) | | |
| Base Capacity (vph) | 471 | 477 |
| Starvation Cap Reductn | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 |
| Storage Cap Reductn | 0 | 0 |
| Reduced v/c Ratio | 0.35 | 0.72 |
| Intersection Summary | | |

3: Bank Street & Hunt Club Road TT 2041 PM Master Plan Build-out



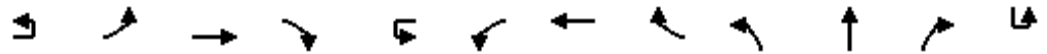
| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|---------------------------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|
| Lane Configurations | | ↗↗ | ↕↕ | ↖ | | ↖ | ↕↕ | ↖ | ↗↗ | ↕↕ | ↖ | |
| Traffic Volume (vph) | 4 | 184 | 997 | 398 | 1 | 52 | 898 | 197 | 365 | 571 | 61 | 1 |
| Future Volume (vph) | 4 | 184 | 997 | 398 | 1 | 52 | 898 | 197 | 365 | 571 | 61 | 1 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | | 95.0 | | 0.0 | | 60.0 | | 100.0 | 60.0 | | 60.0 | |
| Storage Lanes | | 2 | | 1 | | 1 | | 1 | 2 | | 1 | |
| Taper Length (m) | | 2.5 | | | | 2.5 | | | 2.5 | | | |
| Lane Util. Factor | 0.95 | 0.97 | 0.95 | 1.00 | 0.95 | 1.00 | 0.95 | 1.00 | 0.97 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | | 1.00 | | 0.96 | | 0.99 | | 0.98 | 0.97 | | 0.96 | |
| Fr _t | | | | 0.850 | | | | 0.850 | | | 0.850 | |
| Fl _t Protected | | 0.950 | | | | 0.950 | | | 0.950 | | | |
| Satd. Flow (prot) | 0 | 3139 | 3325 | 1517 | 0 | 1664 | 3390 | 1532 | 3321 | 3390 | 1517 | 0 |
| Fl _t Permitted | | 0.381 | | | | 0.533 | | | 0.950 | | | |
| Satd. Flow (perm) | 0 | 1256 | 3325 | 1451 | 0 | 928 | 3390 | 1500 | 3230 | 3390 | 1454 | 0 |
| Right Turn on Red | | | | Yes | | | | Yes | | | Yes | |
| Satd. Flow (RTOR) | | | | 273 | | | | 193 | | | 157 | |
| Link Speed (k/h) | | | 60 | | | | 60 | | | 60 | | |
| Link Distance (m) | | | 152.6 | | | | 161.6 | | | 179.7 | | |
| Travel Time (s) | | | 9.2 | | | | 9.7 | | | 10.8 | | |
| Confl. Peds. (#/hr) | | 4 | | 21 | | 21 | | 4 | 55 | | 22 | |
| Confl. Bikes (#/hr) | | | | 5 | | | | 4 | | | 2 | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 7% | 4% | 2% | 0% | 4% | 2% | 1% | 1% | 2% | 2% | 0% |
| Adj. Flow (vph) | 4 | 184 | 997 | 398 | 1 | 52 | 898 | 197 | 365 | 571 | 61 | 1 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 188 | 997 | 398 | 0 | 53 | 898 | 197 | 365 | 571 | 61 | 0 |
| Turn Type | custom | Prot | NA | Perm | custom | Prot | NA | Perm | Prot | NA | Perm | custom |
| Protected Phases | | 7 | 4 | | | 3 | 8 | | 5 | 2 | | |
| Permitted Phases | 7 | | | 4 | 3 | | | 8 | | | 2 | 1 |
| Detector Phase | 7 | 7 | 4 | 4 | 3 | 3 | 8 | 8 | 5 | 2 | 2 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | 10.0 | 5.0 | 10.0 | 10.0 | 5.0 |
| Minimum Split (s) | 11.5 | 11.5 | 33.7 | 33.7 | 11.5 | 11.5 | 33.7 | 33.7 | 12.1 | 34.5 | 34.5 | 12.1 |
| Total Split (s) | 17.0 | 17.0 | 41.0 | 41.0 | 14.0 | 14.0 | 38.0 | 38.0 | 19.0 | 46.0 | 46.0 | 19.0 |
| Total Split (%) | 14.2% | 14.2% | 34.2% | 34.2% | 11.7% | 11.7% | 31.7% | 31.7% | 15.8% | 38.3% | 38.3% | 15.8% |
| Maximum Green (s) | 10.5 | 10.5 | 34.3 | 34.3 | 7.5 | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | 11.9 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 3.0 | 3.0 | 3.4 | 2.8 | 2.8 | 3.4 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | | 6.5 | 6.7 | 6.7 | | 6.5 | 6.7 | 6.7 | 7.1 | 6.5 | 6.5 | |
| Lead/Lag | Lead | Lead | Lag | Lag | Lead | Lead | Lag | Lag | Lead | Lag | Lag | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | Max | Max | None | None | Max | Max | None | C-Max | C-Max | None |
| Walk Time (s) | | | 7.0 | 7.0 | | | 7.0 | 7.0 | | 7.0 | 7.0 | |
| Flash Dont Walk (s) | | | 20.0 | 20.0 | | | 20.0 | 20.0 | | 21.0 | 21.0 | |
| Pedestrian Calls (#/hr) | | | 0 | 0 | | | 0 | 0 | | 0 | 0 | |
| Act Effct Green (s) | | 10.5 | 34.3 | 34.3 | | 7.5 | 31.3 | 31.3 | 11.9 | 39.5 | 39.5 | |
| Actuated g/C Ratio | | 0.09 | 0.29 | 0.29 | | 0.06 | 0.26 | 0.26 | 0.10 | 0.33 | 0.33 | |

3: Bank Street & Hunt Club Road TT 2041 PM Master Plan Build-out



| Lane Group | SBL | SBT | SBR |
|---------------------------|-------|-------|-------|
| Lane Configurations | ↔↔ | ↑↑ | ↔ |
| Traffic Volume (vph) | 245 | 1052 | 242 |
| Future Volume (vph) | 245 | 1052 | 242 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 |
| Storage Length (m) | 30.0 | | 120.0 |
| Storage Lanes | 2 | | 1 |
| Taper Length (m) | 2.5 | | |
| Lane Util. Factor | 0.97 | 0.95 | 1.00 |
| Ped Bike Factor | 0.98 | | 0.92 |
| Fr _t | | | 0.850 |
| Fl _t Protected | 0.950 | | |
| Satd. Flow (prot) | 3321 | 3390 | 1473 |
| Fl _t Permitted | 0.336 | | |
| Satd. Flow (perm) | 1155 | 3390 | 1350 |
| Right Turn on Red | | | Yes |
| Satd. Flow (RTOR) | | | 157 |
| Link Speed (k/h) | | 60 | |
| Link Distance (m) | | 141.8 | |
| Travel Time (s) | | 8.5 | |
| Confl. Peds. (#/hr) | 22 | | 55 |
| Confl. Bikes (#/hr) | | | 4 |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 2% | 5% |
| Adj. Flow (vph) | 245 | 1052 | 242 |
| Shared Lane Traffic (%) | | | |
| Lane Group Flow (vph) | 246 | 1052 | 242 |
| Turn Type | Prot | NA | Perm |
| Protected Phases | 1 | 6 | |
| Permitted Phases | | | 6 |
| Detector Phase | 1 | 6 | 6 |
| Switch Phase | | | |
| Minimum Initial (s) | 5.0 | 10.0 | 10.0 |
| Minimum Split (s) | 12.1 | 34.5 | 34.5 |
| Total Split (s) | 19.0 | 46.0 | 46.0 |
| Total Split (%) | 15.8% | 38.3% | 38.3% |
| Maximum Green (s) | 11.9 | 39.5 | 39.5 |
| Yellow Time (s) | 3.7 | 3.7 | 3.7 |
| All-Red Time (s) | 3.4 | 2.8 | 2.8 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 7.1 | 6.5 | 6.5 |
| Lead/Lag | Lead | Lag | Lag |
| Lead-Lag Optimize? | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | C-Max | C-Max |
| Walk Time (s) | | 7.0 | 7.0 |
| Flash Dont Walk (s) | | 21.0 | 21.0 |
| Pedestrian Calls (#/hr) | | 0 | 0 |
| Act Effct Green (s) | 11.9 | 39.5 | 39.5 |
| Actuated g/C Ratio | 0.10 | 0.33 | 0.33 |

3: Bank Street & Hunt Club Road TT 2041 PM Master Plan Build-out



| Lane Group | EBU | EBL | EBT | EBR | WBU | WBL | WBT | WBR | NBL | NBT | NBR | SBU |
|------------------------|-----|-------|--------|------|-----|-------|--------|-------|-------|-------|------|------|
| v/c Ratio | | 1.72 | 1.05 | 0.65 | | 0.91 | 1.02 | 0.37 | 1.11 | 0.51 | 0.10 | |
| Control Delay | | 394.6 | 84.8 | 17.2 | | 152.1 | 78.4 | 7.3 | 131.7 | 34.5 | 0.4 | |
| Queue Delay | | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Delay | | 394.6 | 84.8 | 17.2 | | 152.1 | 78.4 | 7.3 | 131.7 | 34.5 | 0.4 | |
| LOS | | F | F | B | | F | E | A | F | C | A | |
| Approach Delay | | | 104.6 | | | | 69.6 | | | 68.0 | | |
| Approach LOS | | | F | | | | E | | | E | | |
| Queue Length 50th (m) | | ~33.6 | ~134.5 | 24.3 | | 12.6 | ~114.6 | 0.7 | ~50.6 | 56.8 | 0.0 | |
| Queue Length 95th (m) | | #57.1 | #174.7 | 59.5 | | #38.2 | #157.0 | 18.3 | #80.4 | 73.9 | 0.0 | |
| Internal Link Dist (m) | | | 128.6 | | | | 137.6 | | | 155.7 | | |
| Turn Bay Length (m) | | 95.0 | | | | 60.0 | | 100.0 | 60.0 | | | 60.0 |
| Base Capacity (vph) | | 109 | 950 | 609 | | 58 | 884 | 533 | 329 | 1115 | 583 | |
| Starvation Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Spillback Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Storage Cap Reductn | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | |
| Reduced v/c Ratio | | 1.72 | 1.05 | 0.65 | | 0.91 | 1.02 | 0.37 | 1.11 | 0.51 | 0.10 | |

Intersection Summary

Area Type: Other

Cycle Length: 120

Actuated Cycle Length: 120

Offset: 23 (19%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 95

Control Type: Actuated-Coordinated

Maximum v/c Ratio: 2.16

Intersection Signal Delay: 96.4

Intersection LOS: F

Intersection Capacity Utilization 97.3%

ICU Level of Service F

Analysis Period (min) 15

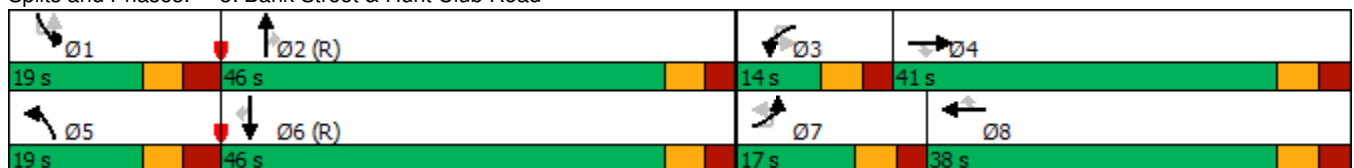
~ Volume exceeds capacity, queue is theoretically infinite.

Queue shown is maximum after two cycles.

95th percentile volume exceeds capacity, queue may be longer.

Queue shown is maximum after two cycles.

Splits and Phases: 3: Bank Street & Hunt Club Road



3: Bank Street & Hunt Club Road TT 2041 PM Master Plan Build-out



| Lane Group | SBL | SBT | SBR |
|-----------------------------|-------|--------|-------|
| v/c Ratio | 2.16 | 0.94 | 0.44 |
| Control Delay | 572.9 | 47.7 | 14.4 |
| Queue Delay | 0.0 | 0.0 | 0.0 |
| Total Delay | 572.9 | 47.7 | 14.4 |
| LOS | F | D | B |
| Approach Delay | | 126.4 | |
| Approach LOS | | F | |
| Queue Length 50th (m) | ~49.1 | 58.8 | 5.6 |
| Queue Length 95th (m) | #75.7 | #163.4 | 32.7 |
| Internal Link Dist (m) | | 117.8 | |
| Turn Bay Length (m) | 30.0 | | 120.0 |
| Base Capacity (vph) | 114 | 1115 | 549 |
| Starvation Cap Reductn | 0 | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | 0 |
| Reduced v/c Ratio | 2.16 | 0.94 | 0.44 |
| Intersection Summary | | | |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|---------------------------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|--------|-------|
| Lane Configurations | | ↖ | ↗ | | ↖ | ↗ | | ↖ | ↗ | | | ↖ |
| Traffic Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 724 | 92 | 4 | 146 |
| Future Volume (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 724 | 92 | 4 | 146 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | 0.0 | | 0.0 | 0.0 | | 40.0 | | 45.0 | | 0.0 | | 70.0 |
| Storage Lanes | 0 | | 1 | 0 | | 1 | | 1 | | 0 | | 1 |
| Taper Length (m) | 7.6 | | | 7.6 | | | | 7.6 | | | | 7.6 |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 |
| Ped Bike Factor | | 0.92 | 0.95 | | 0.97 | 0.90 | | | 0.99 | | | 0.99 |
| Fr _t | | | 0.850 | | | 0.850 | | | 0.983 | | | |
| Fl _t Protected | | 0.953 | | | 0.950 | | | 0.950 | | | | 0.950 |
| Satd. Flow (prot) | 0 | 1717 | 1532 | 0 | 1572 | 1547 | 0 | 1729 | 3305 | 0 | 0 | 1712 |
| Fl _t Permitted | | 0.668 | | | 0.553 | | | 0.129 | | | | 0.289 |
| Satd. Flow (perm) | 0 | 1110 | 1454 | 0 | 891 | 1394 | 0 | 235 | 3305 | 0 | 0 | 514 |
| Right Turn on Red | | | Yes | | | Yes | | | | Yes | | |
| Satd. Flow (RTOR) | | | 132 | | | 105 | | | 15 | | | |
| Link Speed (k/h) | | 50 | | | 50 | | | | 60 | | | |
| Link Distance (m) | | 72.9 | | | 188.5 | | | | 169.4 | | | |
| Travel Time (s) | | 5.2 | | | 13.6 | | | | 10.2 | | | |
| Confl. Peds. (#/hr) | 44 | | 18 | 18 | | 44 | | 30 | | 19 | | 19 |
| Confl. Bikes (#/hr) | | | 4 | | | 1 | | | | 2 | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 1% | 0% | 1% | 10% | 0% | 0% | 0% | 0% | 2% | 1% | 0% | 1% |
| Adj. Flow (vph) | 160 | 1 | 132 | 82 | 0 | 101 | 2 | 158 | 724 | 92 | 4 | 146 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 161 | 132 | 0 | 82 | 101 | 0 | 160 | 816 | 0 | 0 | 150 |
| Turn Type | Perm | NA | Perm | Perm | NA | Perm | custom | pm+pt | NA | | custom | pm+pt |
| Protected Phases | | 4 | | | 8 | | | 5 | 2 | | | 1 |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 5 | 2 | | | 1 | 6 |
| Detector Phase | 4 | 4 | 4 | 8 | 8 | 8 | 5 | 5 | 2 | | 1 | 1 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 5.0 | 5.0 | 10.0 | | 5.0 | 5.0 |
| Minimum Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 11.3 | 11.3 | 34.3 | | 11.3 | 11.3 |
| Total Split (s) | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 17.0 | 17.0 | 61.0 | | 17.0 | 17.0 |
| Total Split (%) | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 30.8% | 14.2% | 14.2% | 50.8% | | 14.2% | 14.2% |
| Maximum Green (s) | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 10.7 | 10.7 | 54.7 | | 10.7 | 10.7 |
| Yellow Time (s) | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.7 | 3.7 | 3.7 | | 3.7 | 3.7 |
| All-Red Time (s) | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.6 | 2.6 | 2.6 | | 2.6 | 2.6 |
| Lost Time Adjust (s) | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Lost Time (s) | | 6.1 | 6.1 | | 6.1 | 6.1 | | 6.3 | 6.3 | | | 6.3 |
| Lead/Lag | Lag | Lag | Lag | Lag | Lag | Lag | Lead | Lead | Lag | | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 |
| Recall Mode | None | None | None | None | None | None | None | None | C-Max | | None | None |
| Walk Time (s) | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | | | 7.0 | | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | | | 11.0 | | | |
| Pedestrian Calls (#/hr) | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | |
| Act Effct Green (s) | | 22.4 | 22.4 | | 22.4 | 22.4 | | 74.8 | 64.8 | | | 73.1 |
| Actuated g/C Ratio | | 0.19 | 0.19 | | 0.19 | 0.19 | | 0.62 | 0.54 | | | 0.61 |

4: Bank Street & Dazé Street/Cahill Drive
 TT 2041 PM Master Plan Build-out



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|---------------------------|-------|-------|------|------|
| Lane Configurations | ↑↑ | ↑ | | |
| Traffic Volume (vph) | 1258 | 344 | | |
| Future Volume (vph) | 1258 | 344 | | |
| Ideal Flow (vphpl) | 1800 | 1800 | | |
| Storage Length (m) | | 75.0 | | |
| Storage Lanes | | 0 | | |
| Taper Length (m) | | | | |
| Lane Util. Factor | 0.95 | 1.00 | | |
| Ped Bike Factor | | 0.93 | | |
| Fr _t | | 0.850 | | |
| Fl _t Protected | | | | |
| Satd. Flow (prot) | 3390 | 1547 | | |
| Fl _t Permitted | | | | |
| Satd. Flow (perm) | 3390 | 1434 | | |
| Right Turn on Red | | Yes | | |
| Satd. Flow (RTOR) | | 315 | | |
| Link Speed (k/h) | 60 | | | |
| Link Distance (m) | 264.5 | | | |
| Travel Time (s) | 15.9 | | | |
| Confl. Peds. (#/hr) | | 30 | | |
| Confl. Bikes (#/hr) | | 5 | | |
| Peak Hour Factor | 1.00 | 1.00 | | |
| Heavy Vehicles (%) | 2% | 0% | | |
| Adj. Flow (vph) | 1258 | 344 | | |
| Shared Lane Traffic (%) | | | | |
| Lane Group Flow (vph) | 1258 | 344 | | |
| Turn Type | NA | Perm | | |
| Protected Phases | 6 | | 3 | 7 |
| Permitted Phases | | 6 | | |
| Detector Phase | 6 | 6 | | |
| Switch Phase | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | 3.0 | 3.0 |
| Minimum Split (s) | 34.3 | 34.3 | 5.0 | 5.0 |
| Total Split (s) | 61.0 | 61.0 | 5.0 | 5.0 |
| Total Split (%) | 50.8% | 50.8% | 4% | 4% |
| Maximum Green (s) | 54.7 | 54.7 | 3.0 | 3.0 |
| Yellow Time (s) | 3.7 | 3.7 | 2.0 | 2.0 |
| All-Red Time (s) | 2.6 | 2.6 | 0.0 | 0.0 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | |
| Total Lost Time (s) | 6.3 | 6.3 | | |
| Lead/Lag | Lag | Lag | Lead | Lead |
| Lead-Lag Optimize? | Yes | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 |
| Recall Mode | C-Max | C-Max | Max | Max |
| Walk Time (s) | 7.0 | 7.0 | | |
| Flash Dont Walk (s) | 11.0 | 11.0 | | |
| Pedestrian Calls (#/hr) | 0 | 0 | | |
| Act Effct Green (s) | 64.0 | 64.0 | | |
| Actuated g/C Ratio | 0.53 | 0.53 | | |

4: Bank Street & Dazé Street/Cahill Drive

TT 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBU | NBL | NBT | NBR | SBU | SBL |
|------------------------|-----|------|------|-----|-------|------|-----|-------|-------|-----|-----|------|
| v/c Ratio | | 0.78 | 0.35 | | 0.49 | 0.29 | | 0.59 | 0.46 | | | 0.37 |
| Control Delay | | 70.1 | 8.7 | | 52.2 | 8.6 | | 33.0 | 15.9 | | | 11.4 |
| Queue Delay | | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 |
| Total Delay | | 70.1 | 8.7 | | 52.2 | 8.6 | | 33.0 | 15.9 | | | 11.4 |
| LOS | | E | A | | D | A | | C | B | | | B |
| Approach Delay | | 42.5 | | | 28.2 | | | | 18.7 | | | |
| Approach LOS | | D | | | C | | | | B | | | |
| Queue Length 50th (m) | | 36.3 | 0.0 | | 17.4 | 0.0 | | 26.0 | 42.5 | | | 11.8 |
| Queue Length 95th (m) | | 56.1 | 14.9 | | 31.1 | 12.6 | | m41.2 | m55.4 | | | 24.2 |
| Internal Link Dist (m) | | 48.9 | | | 164.5 | | | | 145.4 | | | |
| Turn Bay Length (m) | | | | | | 40.0 | | 45.0 | | | | 70.0 |
| Base Capacity (vph) | | 285 | 472 | | 229 | 436 | | 288 | 1792 | | | 426 |
| Starvation Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Spillback Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Storage Cap Reductn | | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 |
| Reduced v/c Ratio | | 0.56 | 0.28 | | 0.36 | 0.23 | | 0.56 | 0.46 | | | 0.35 |

Intersection Summary

Area Type: Other
 Cycle Length: 120
 Actuated Cycle Length: 120
 Offset: 14 (12%), Referenced to phase 2:NBTL and 6:SBTL, Start of Green
 Natural Cycle: 90
 Control Type: Actuated-Coordinated
 Maximum v/c Ratio: 0.78
 Intersection Signal Delay: 22.0
 Intersection LOS: C
 Intersection Capacity Utilization 92.7%
 ICU Level of Service F
 Analysis Period (min) 15
 m Volume for 95th percentile queue is metered by upstream signal.

Splits and Phases: 4: Bank Street & Dazé Street/Cahill Drive



4: Bank Street & Dazé Street/Cahill Drive
 TT 2041 PM Master Plan Build-out



| Lane Group | SBT | SBR | Ø3 | Ø7 |
|------------------------|-------|------|----|----|
| v/c Ratio | 0.70 | 0.38 | | |
| Control Delay | 25.0 | 4.2 | | |
| Queue Delay | 0.0 | 0.0 | | |
| Total Delay | 25.0 | 4.2 | | |
| LOS | C | A | | |
| Approach Delay | 19.8 | | | |
| Approach LOS | B | | | |
| Queue Length 50th (m) | 112.4 | 3.2 | | |
| Queue Length 95th (m) | 161.0 | 20.9 | | |
| Internal Link Dist (m) | 240.5 | | | |
| Turn Bay Length (m) | | 75.0 | | |
| Base Capacity (vph) | 1807 | 911 | | |
| Starvation Cap Reductn | 0 | 0 | | |
| Spillback Cap Reductn | 0 | 0 | | |
| Storage Cap Reductn | 0 | 0 | | |
| Reduced v/c Ratio | 0.70 | 0.38 | | |
| Intersection Summary | | | | |

5: Dazé Street & South Keys SC
 TT 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|---------------------------|-------|-------|------|-------|-------|------|-------|-------|------|--------|-------|-------|
| Lane Configurations | | | | | | | | | | | | |
| Traffic Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 313 |
| Future Volume (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 313 |
| Ideal Flow (vphpl) | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 | 1800 |
| Storage Length (m) | 40.0 | | 0.0 | 0.0 | | 0.0 | 70.0 | | 0.0 | | 40.0 | |
| Storage Lanes | 1 | | 0 | 1 | | 0 | 1 | | 0 | | 1 | |
| Taper Length (m) | 2.5 | | | 2.5 | | | 2.5 | | | | 2.5 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.95 | 0.95 | 0.95 | 1.00 | 0.95 |
| Ped Bike Factor | 0.99 | 0.98 | | 1.00 | 0.98 | | 1.00 | 1.00 | | | 0.99 | 0.99 |
| Fr _t | | 0.852 | | | 0.885 | | | 0.988 | | | | 0.953 |
| Fl _t Protected | 0.950 | | | 0.950 | | | 0.950 | | | | 0.950 | |
| Satd. Flow (prot) | 1729 | 1523 | 0 | 1729 | 1585 | 0 | 1729 | 3377 | 0 | 0 | 1729 | 3236 |
| Fl _t Permitted | 0.746 | | | 0.393 | | | 0.434 | | | | 0.616 | |
| Satd. Flow (perm) | 1346 | 1523 | 0 | 713 | 1585 | 0 | 788 | 3377 | 0 | 0 | 1113 | 3236 |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | |
| Satd. Flow (RTOR) | | 221 | | | 13 | | | 12 | | | | 68 |
| Link Speed (k/h) | | 30 | | | 30 | | | 50 | | | | 50 |
| Link Distance (m) | | 107.1 | | | 73.7 | | | 57.4 | | | | 76.4 |
| Travel Time (s) | | 12.9 | | | 8.8 | | | 4.1 | | | | 5.5 |
| Confl. Peds. (#/hr) | 6 | | 3 | 3 | | 6 | 3 | | 5 | | 5 | |
| Confl. Bikes (#/hr) | | | 2 | | | | | | 1 | | | |
| Peak Hour Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Heavy Vehicles (%) | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 1% |
| Adj. Flow (vph) | 85 | 3 | 221 | 2 | 4 | 13 | 195 | 199 | 18 | 1 | 21 | 313 |
| Shared Lane Traffic (%) | | | | | | | | | | | | |
| Lane Group Flow (vph) | 85 | 224 | 0 | 2 | 17 | 0 | 195 | 217 | 0 | 0 | 22 | 455 |
| Turn Type | Perm | NA | | Perm | NA | | pm+pt | NA | | custom | pm+pt | NA |
| Protected Phases | | 4 | | | 8 | | 5 | 2 | | | 1 | 6 |
| Permitted Phases | 4 | | | 8 | | | 2 | | | 1 | 6 | |
| Detector Phase | 4 | 4 | | 8 | 8 | | 5 | 2 | | 1 | 1 | 6 |
| Switch Phase | | | | | | | | | | | | |
| Minimum Initial (s) | 10.0 | 10.0 | | 10.0 | 10.0 | | 5.0 | 10.0 | | 5.0 | 5.0 | 10.0 |
| Minimum Split (s) | 28.1 | 28.1 | | 28.1 | 28.1 | | 10.9 | 32.9 | | 10.9 | 10.9 | 32.9 |
| Total Split (s) | 36.1 | 36.1 | | 36.1 | 36.1 | | 35.0 | 58.0 | | 15.9 | 15.9 | 38.9 |
| Total Split (%) | 32.8% | 32.8% | | 32.8% | 32.8% | | 31.8% | 52.7% | | 14.5% | 14.5% | 35.4% |
| Maximum Green (s) | 30.0 | 30.0 | | 30.0 | 30.0 | | 29.1 | 52.1 | | 10.0 | 10.0 | 33.0 |
| Yellow Time (s) | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | | 3.3 | 3.3 | 3.3 |
| All-Red Time (s) | 2.8 | 2.8 | | 2.8 | 2.8 | | 2.6 | 2.6 | | 2.6 | 2.6 | 2.6 |
| Lost Time Adjust (s) | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Lost Time (s) | 6.1 | 6.1 | | 6.1 | 6.1 | | 5.9 | 5.9 | | | 5.9 | 5.9 |
| Lead/Lag | | | | | | | Lead | Lag | | Lead | Lead | Lag |
| Lead-Lag Optimize? | | | | | | | Yes | Yes | | Yes | Yes | Yes |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 |
| Recall Mode | None | None | | None | None | | None | Max | | None | None | Max |
| Walk Time (s) | 7.0 | 7.0 | | 7.0 | 7.0 | | | 15.0 | | | | 15.0 |
| Flash Dont Walk (s) | 15.0 | 15.0 | | 15.0 | 15.0 | | | 12.0 | | | | 12.0 |
| Pedestrian Calls (#/hr) | 0 | 0 | | 0 | 0 | | | 0 | | | | 0 |
| Act Effct Green (s) | 11.6 | 11.6 | | 11.6 | 11.6 | | 56.3 | 52.6 | | | 48.2 | 42.3 |
| Actuated g/C Ratio | 0.14 | 0.14 | | 0.14 | 0.14 | | 0.70 | 0.65 | | | 0.60 | 0.52 |

5: Dazé Street & South Keys SC
 TT 2041 PM Master Plan Build-out



| Lane Group | SBR |
|-------------------------|------|
| Lane Configurations | |
| Traffic Volume (vph) | 142 |
| Future Volume (vph) | 142 |
| Ideal Flow (vphpl) | 1800 |
| Storage Length (m) | 0.0 |
| Storage Lanes | 0 |
| Taper Length (m) | |
| Lane Util. Factor | 0.95 |
| Ped Bike Factor | |
| Flt | |
| Flt Protected | |
| Satd. Flow (prot) | 0 |
| Flt Permitted | |
| Satd. Flow (perm) | 0 |
| Right Turn on Red | Yes |
| Satd. Flow (RTOR) | |
| Link Speed (k/h) | |
| Link Distance (m) | |
| Travel Time (s) | |
| Confl. Peds. (#/hr) | 3 |
| Confl. Bikes (#/hr) | |
| Peak Hour Factor | 1.00 |
| Heavy Vehicles (%) | 1% |
| Adj. Flow (vph) | 142 |
| Shared Lane Traffic (%) | |
| Lane Group Flow (vph) | 0 |
| Turn Type | |
| Protected Phases | |
| Permitted Phases | |
| Detector Phase | |
| Switch Phase | |
| Minimum Initial (s) | |
| Minimum Split (s) | |
| Total Split (s) | |
| Total Split (%) | |
| Maximum Green (s) | |
| Yellow Time (s) | |
| All-Red Time (s) | |
| Lost Time Adjust (s) | |
| Total Lost Time (s) | |
| Lead/Lag | |
| Lead-Lag Optimize? | |
| Vehicle Extension (s) | |
| Recall Mode | |
| Walk Time (s) | |
| Flash Dont Walk (s) | |
| Pedestrian Calls (#/hr) | |
| Act Effct Green (s) | |
| Actuated g/C Ratio | |

5: Dazé Street & South Keys SC
 TT 2041 PM Master Plan Build-out



| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBU | SBL | SBT |
|------------------------|------|------|-----|------|------|-----|------|------|-----|-----|------|------|
| v/c Ratio | 0.44 | 0.55 | | 0.02 | 0.07 | | 0.30 | 0.10 | | | 0.03 | 0.26 |
| Control Delay | 40.8 | 10.9 | | 32.5 | 19.6 | | 5.3 | 6.3 | | | 4.5 | 9.6 |
| Queue Delay | 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 |
| Total Delay | 40.8 | 10.9 | | 32.5 | 19.6 | | 5.3 | 6.3 | | | 4.5 | 9.6 |
| LOS | D | B | | C | B | | A | A | | | A | A |
| Approach Delay | | 19.1 | | | 21.0 | | | 5.8 | | | | 9.4 |
| Approach LOS | | B | | | C | | | A | | | | A |
| Queue Length 50th (m) | 11.2 | 0.4 | | 0.2 | 0.5 | | 7.4 | 3.8 | | | 0.8 | 14.7 |
| Queue Length 95th (m) | 27.4 | 19.2 | | 2.3 | 6.1 | | 16.9 | 13.3 | | | 3.0 | 28.1 |
| Internal Link Dist (m) | | 83.1 | | | 49.7 | | | 33.4 | | | | 52.4 |
| Turn Bay Length (m) | 40.0 | | | | | | 70.0 | | | | 40.0 | |
| Base Capacity (vph) | 505 | 710 | | 267 | 603 | | 899 | 2207 | | | 800 | 1730 |
| Starvation Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Spillback Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Storage Cap Reductn | 0 | 0 | | 0 | 0 | | 0 | 0 | | | 0 | 0 |
| Reduced v/c Ratio | 0.17 | 0.32 | | 0.01 | 0.03 | | 0.22 | 0.10 | | | 0.03 | 0.26 |

Intersection Summary

| | |
|------------------------------------|------------------|
| Area Type: | Other |
| Cycle Length: | 110 |
| Actuated Cycle Length: | 80.6 |
| Natural Cycle: | 75 |
| Control Type: | Semi Act-Uncoord |
| Maximum v/c Ratio: | 0.55 |
| Intersection Signal Delay: | 10.8 |
| Intersection LOS: | B |
| Intersection Capacity Utilization: | 64.1% |
| ICU Level of Service: | C |
| Analysis Period (min): | 15 |

Splits and Phases: 5: Dazé Street & South Keys SC



5: Dazé Street & South Keys SC TT 2041 PM Master Plan Build-out



| | |
|------------------------|-----|
| Lane Group | SBR |
| v/c Ratio | |
| Control Delay | |
| Queue Delay | |
| Total Delay | |
| LOS | |
| Approach Delay | |
| Approach LOS | |
| Queue Length 50th (m) | |
| Queue Length 95th (m) | |
| Internal Link Dist (m) | |
| Turn Bay Length (m) | |
| Base Capacity (vph) | |
| Starvation Cap Reductn | |
| Spillback Cap Reductn | |
| Storage Cap Reductn | |
| Reduced v/c Ratio | |
| Intersection Summary | |

6: Dazé Street & Proposed Access TT 2041 PM Master Plan Build-out

| Intersection | | | | | | |
|--------------------------|--------|--------|--------|------|------|------|
| Int Delay, s/veh | 0.2 | | | | | |
| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
| Lane Configurations | | ↗ | | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 17 | 0 | 432 | 541 | 38 |
| Future Vol, veh/h | 0 | 17 | 0 | 432 | 541 | 38 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | - | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 17 | 0 | 432 | 541 | 38 |
| Major/Minor | Minor2 | Major1 | Major2 | | | |
| Conflicting Flow All | - | 290 | - | 0 | - | 0 |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | - | - | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | - | - | - | - |
| Pot Cap-1 Maneuver | 0 | 713 | 0 | - | - | - |
| Stage 1 | 0 | - | 0 | - | - | - |
| Stage 2 | 0 | - | 0 | - | - | - |
| Platoon blocked, % | | | | - | - | - |
| Mov Cap-1 Maneuver | - | 713 | - | - | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - | - |
| Stage 1 | - | - | - | - | - | - |
| Stage 2 | - | - | - | - | - | - |
| Approach | EB | NB | SB | | | |
| HCM Control Delay, s | 10.2 | 0 | 0 | | | |
| HCM LOS | B | | | | | |
| Minor Lane/Major Mvmt | NBT | EBLn1 | SBT | SBR | | |
| Capacity (veh/h) | - | 713 | - | - | | |
| HCM Lane V/C Ratio | - | 0.024 | - | - | | |
| HCM Control Delay (s) | - | 10.2 | - | - | | |
| HCM Lane LOS | - | B | - | - | | |
| HCM 95th %tile Q(veh) | - | 0.1 | - | - | | |

7: Dazé Street & Existing Access
 TT 2041 PM Master Plan Build-out

Intersection

Int Delay, s/veh 1.2

| Movement | EBL | EBR | NBL | NBT | SBT | SBR |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations | | ↗ | ↖ | ↑↑ | ↑↑ | |
| Traffic Vol, veh/h | 0 | 61 | 84 | 432 | 543 | 0 |
| Future Vol, veh/h | 0 | 61 | 84 | 432 | 543 | 0 |
| Conflicting Peds, #/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Stop | Stop | Free | Free | Free | Free |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | 0 | 150 | - | - | - |
| Veh in Median Storage, # | 0 | - | - | 0 | 0 | - |
| Grade, % | 0 | - | - | 0 | 0 | - |
| Peak Hour Factor | 100 | 100 | 100 | 100 | 100 | 100 |
| Heavy Vehicles, % | 0 | 0 | 0 | 0 | 0 | 0 |
| Mvmt Flow | 0 | 61 | 84 | 432 | 543 | 0 |

| Major/Minor | Minor2 | Major1 | Major2 | | |
|----------------------|--------|--------|--------|---|---|
| Conflicting Flow All | - | 272 | 543 | 0 | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |
| Critical Hdwy | - | 6.9 | 4.1 | - | - |
| Critical Hdwy Stg 1 | - | - | - | - | - |
| Critical Hdwy Stg 2 | - | - | - | - | - |
| Follow-up Hdwy | - | 3.3 | 2.2 | - | - |
| Pot Cap-1 Maneuver | 0 | 732 | 1036 | - | - |
| Stage 1 | 0 | - | - | - | - |
| Stage 2 | 0 | - | - | - | - |
| Platoon blocked, % | | | | - | - |
| Mov Cap-1 Maneuver | - | 732 | 1036 | - | - |
| Mov Cap-2 Maneuver | - | - | - | - | - |
| Stage 1 | - | - | - | - | - |
| Stage 2 | - | - | - | - | - |

| Approach | EB | NB | SB |
|----------------------|------|-----|----|
| HCM Control Delay, s | 10.4 | 1.4 | 0 |
| HCM LOS | B | | |

| Minor Lane/Major Mvmt | NBL | NBT | EBLn1 | SBT | SBR |
|-----------------------|-------|-----|-------|-----|-----|
| Capacity (veh/h) | 1036 | - | 732 | - | - |
| HCM Lane V/C Ratio | 0.081 | - | 0.083 | - | - |
| HCM Control Delay (s) | 8.8 | - | 10.4 | - | - |
| HCM Lane LOS | A | - | B | - | - |
| HCM 95th %tile Q(veh) | 0.3 | - | 0.3 | - | - |

Appendix K – Auxiliary Lane Analysis

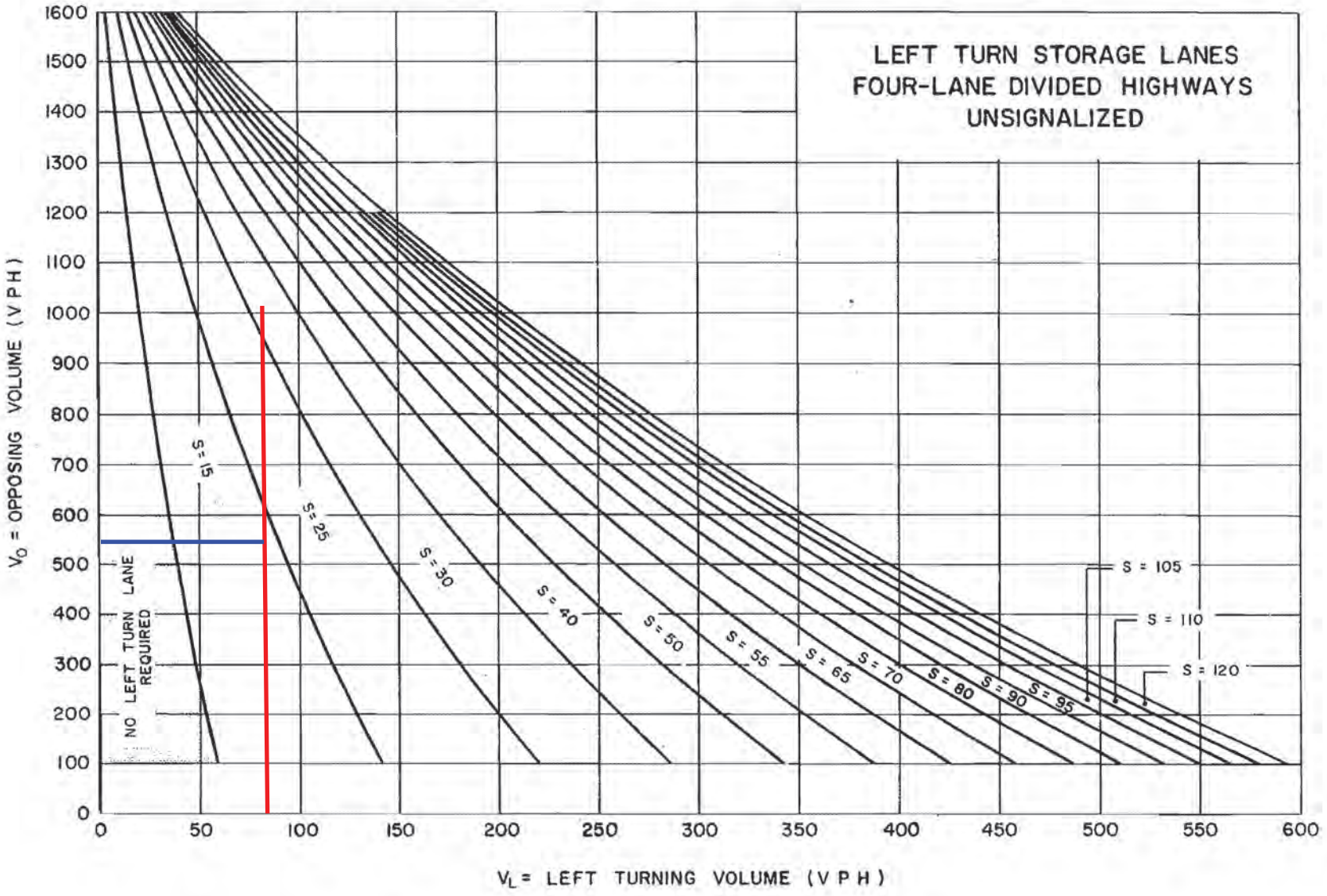
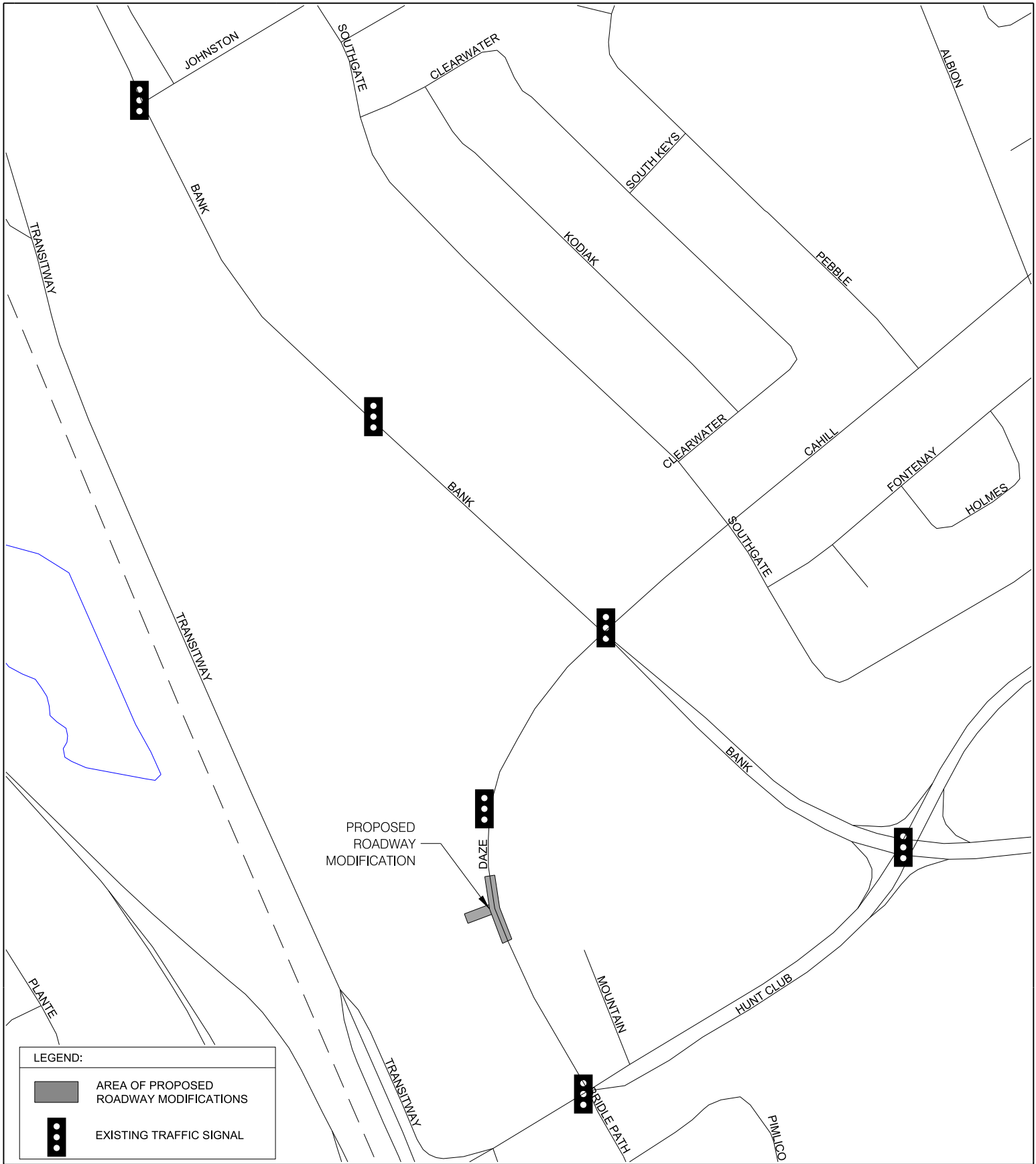


Figure EC-1

Appendix L – RMA Drawings



KEY PLAN

DRAFT -
DAZE STREET MEDIAN
ADJUSTMENT
(2200 BANK STREET)

Transportation Engineering Services

Approved By:

Drawing No.:

Completed By:

IBI GROUP

RMA-2021-TPD-0XXA

Scale:

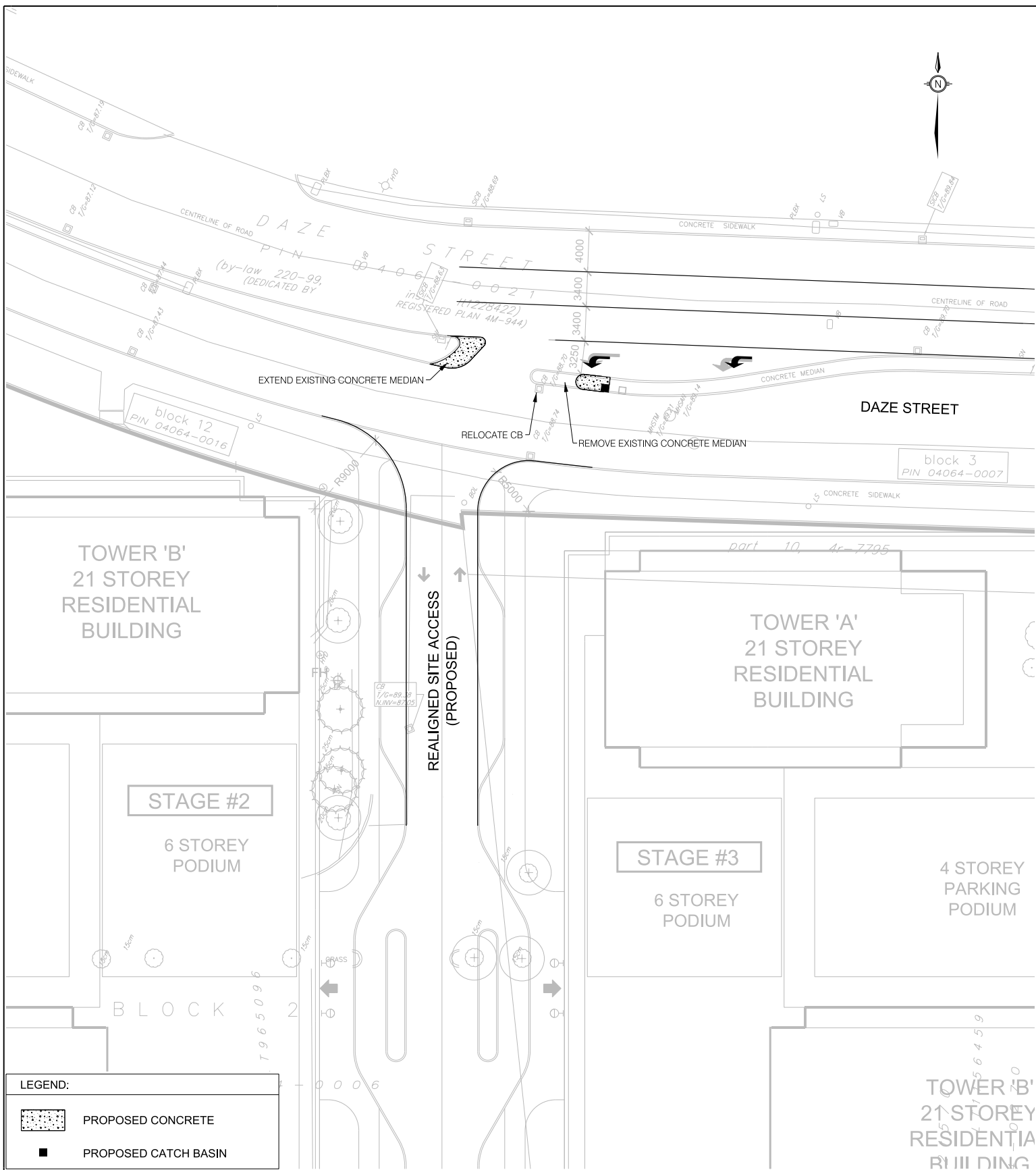
N.T.S.

Date:

SEP.
2021



PLANNING AND GROWTH
MANAGEMENT



PLANNING AND GROWTH
MANAGEMENT

PROPOSED ROADWAY MODIFICATION

**DRAFT -
DAZE STREET MEDIAN
ADJUSTMENT
(2200 BANK STREET)**

Transportation Engineering Services

| | |
|-----------------------------------|--|
| Approved By: --- | Drawing No.: RMA-2021-TPD-0XXB |
| Completed By: IBI GROUP | |
| Scale: N.T.S. | Date: SEP. 2021 |