



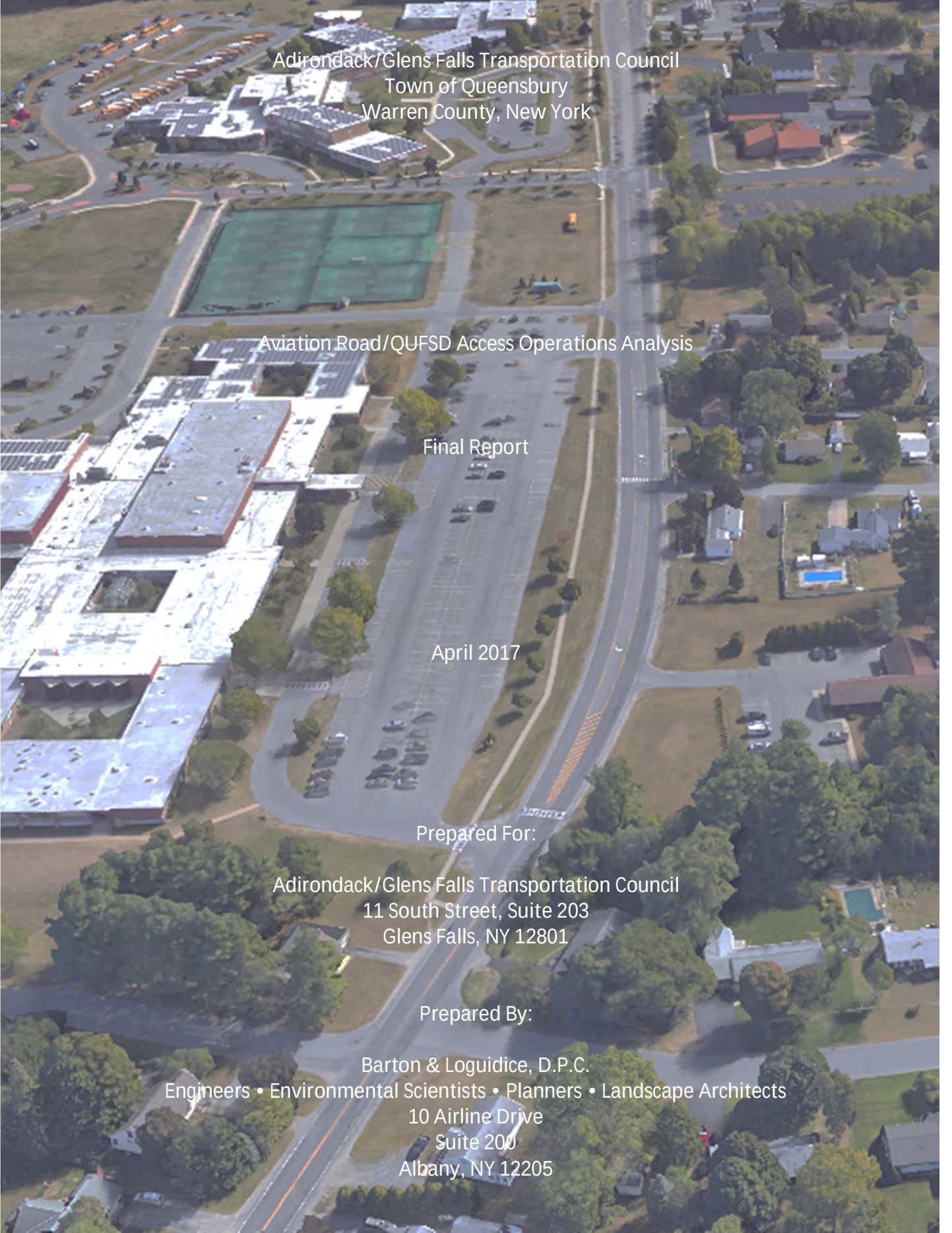
Town of Queensbury
Warren County, New York

Aviation Road/QUFSD Access Operations Analysis

Final Report



April 2017



Adirondack/Glens Falls Transportation Council
Town of Queensbury
Warren County, New York

Aviation Road/QUFSD Access Operations Analysis

Final Report

April 2017

Prepared For:

Adirondack/Glens Falls Transportation Council
11 South Street, Suite 203
Glens Falls, NY 12801

Prepared By:

Barton & Loguidice, D.P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects
10 Airline Drive
Suite 200
Albany, NY 12205

Table of Contents

	<u>Page</u>
Title Page	i
Table of Contents	i
1.0 INTRODUCTION	1
2.0 EXISTING CONDITIONS.....	3
2.1 Study Area Roadways serving the site	4
2.2 Study Area Intersections	4
2.3 Existing Traffic Volumes	7
2.4 Existing Capacity and Level of Service Analysis	8
2.5 Queue Analysis	10
2.6 Accident Analysis	11
3.0 FUTURE CONDITIONS.....	14
3.1 No-Build Analysis	14
3.2 Preliminary Alternatives.....	16
3.3 Final Alternatives	19
4.0 PROJECT SUMMARY.....	24
4.1 Conclusions.....	24
4.2 Preferred Alternative	26

Tables

Table 2.3.1 – Existing Peak Hour Intersection Traffic Volumes

Table 2.4.1 – Existing Peak Hour LOS and Delay Summary

Table 2.6.1 - Intersection Accident Rates (Accidents/MEV)

Table 2.6.2 - Intersection Accident Severity

Table 3.1.1 – No-Build Total Intersection Traffic Volumes

Table 3.1.2 – No-Build Peak Hour LOS and Delay

Table 3.3.1 – AM Peak Hour LOS and Delay

Table 3.1.2 – PM Peak Hour LOS and Delay

Appendices

Appendix A – Peak Hour Turning Movement Figures

Figure A1 – 2016 Existing AM Peak Hour Vehicular Traffic Volumes

Figure A2 – 2016 Existing PM Peak Hour Vehicular Traffic Volumes

Figure A3 – No-Build, AM Peak Hour Vehicular Traffic Volumes, 2018 ETC (2028 ETC+10)

Figure A4 – No-Build, PM Peak Hour Vehicular Traffic Volumes, 2018 ETC (2028 ETC+10)

Figure A5 – Build, AM Peak Hour Vehicular Traffic Volumes, 2018 ETC (2028 ETC+10)

Figure A6 – Build, PM Peak Hour Vehicular Traffic Volumes, 2018 ETC (2028 ETC+10)

Figure A7 – 2016 Existing AM Peak Hour Pedestrian Traffic Volumes

Figure A6 – 2016 Existing PM Peak Hour Pedestrian Traffic Volumes

Appendix B – Preliminary Alternative Figures

Figure A – 2018 No-Build

Figure B – Alternative 1, Existing Signal Optimization

Figure C – Alternative 2, Aviation Rd. Westbound Right Turn Lane

Figure D – Alternative 3, Burke Drive Signal

Figure E – Alternative 4, Cottage Hill Road Signal

Figure F – Alternative 5, West Campus Second Signal

Appendix C – Final Alternative Figures

Figure C1 – Existing Conditions and Final Alternative 1

Figure C2 – Final Alternative 2, Aviation Rd. Westbound Right Turn Lane

Figure C3 – Final Alternative 3A, Cottage Hill Rd. Signal

Figure C4 – Final Alternative 3B (Preferred Alternative)

Figure C5 – QUFSD High School Preliminary Site Layout

Appendix D - Turning Movement Count Data

Appendix E - Level of Service Analysis

Appendix F - Accident Analysis

Appendix G – Project Coordination Meetings and Presentation

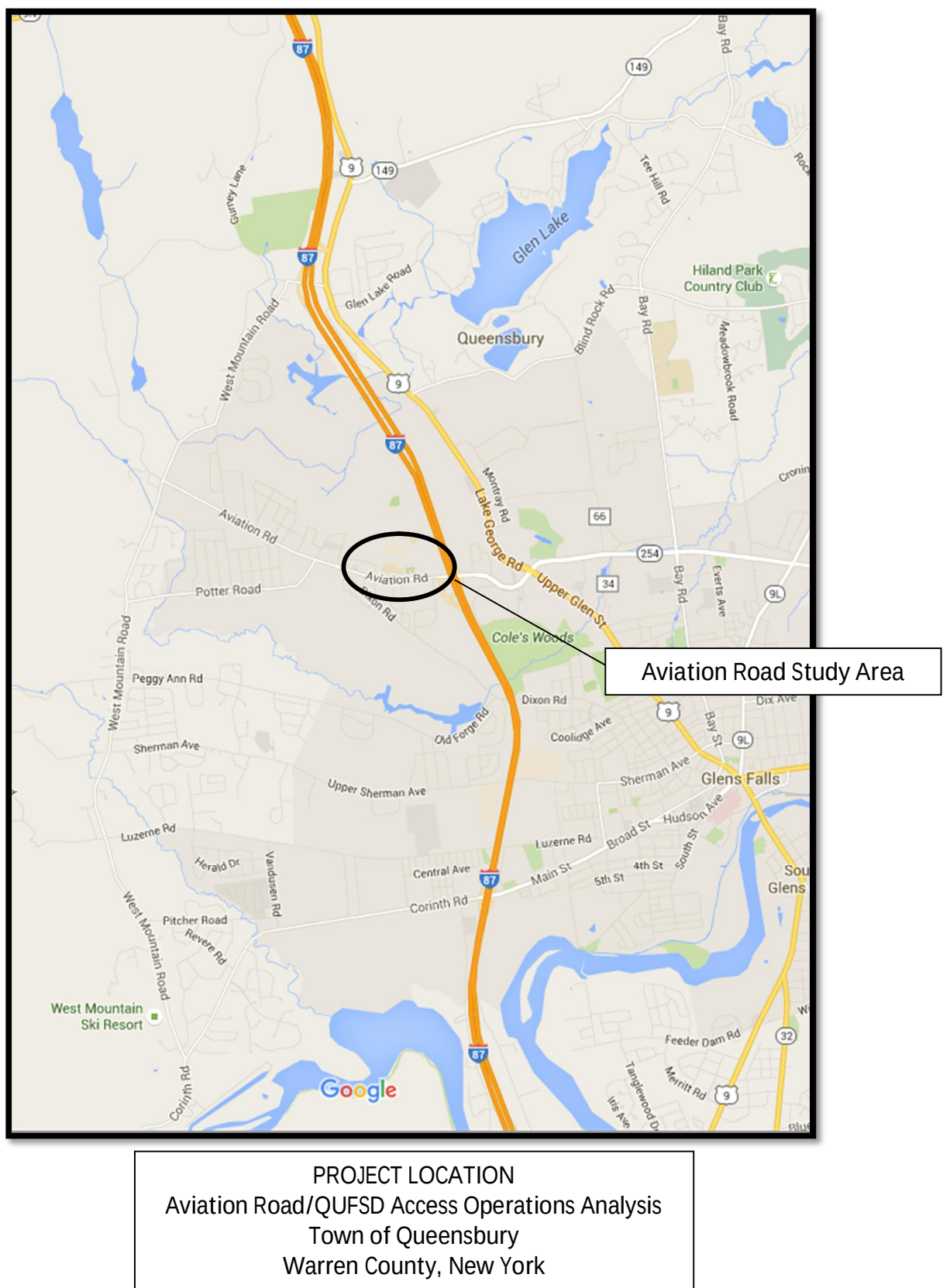
Reference: Imagery ©2016 Google, Map Data © 2016 Google

1.0. Introduction

A/GFTC, in coordination with the Queensbury Union Free School District (QUFSD) and the Town of Queensbury, has initiated this project to conduct an operations analysis of existing access and proposed access changes from Aviation Road to the QUFSD campus, with the goal of preserving safe, efficient, and reliable multimodal circulation. QUFSD is considering access changes to its campus from Aviation Road as part of its Master Plan implementation and its ongoing strategy to manage campus circulation.

This Final Report summarizes the functional characteristics of Aviation Road and the intersecting roadways based on the results of the data collection and analysis of the existing conditions of the project corridor. The results of the existing conditions study was utilized to develop feasible recommendations for QUFSD access changes with Aviation Road that will improve the corridor-wide traffic mobility while not prohibiting future Aviation Road corridor improvements.

Figure 1 – Project Location Map



2.0 Existing Conditions

The study area for the project was determined based on a review of the surrounding roadway network, review of the 2008 Aviation Road Corridor Study, and input from the project stakeholders. The project limits were determined to be Aviation Road between the Manor Drive/Midnight Drive intersection and the Burke Drive intersection, as well as several QUFSD internal campus intersections and circulating roads. The following intersections are included in the study area:

- 1) Aviation Road/Manor Drive/Midnight Drive
- 2) Aviation Road/High School Parking Lot West Exit
- 3) Aviation Road/Prospect Road
- 4) Aviation Road/High School Entrance/Cottage Hill Road
- 5) Tennis Court North/ Tennis Court West
- 6) Tennis Court West/ Tennis Court South
- 7) Aviation Road/QUFSD Campus Right-Out Exit
- 8) QUFSD Main Access Drive/Middle School Driveway
- 9) Aviation Road/QUFSD Main Access Drive/Church Driveway
- 10) Aviation Road/Burke Drive



Figure 2 – Study Area Intersections Location Map

2.1 Study Area Roadways serving the site

- 1) Aviation Road is classified as an Urban Minor Arterial and generally provides east-west travel through the Town of Queensbury between West Mountain Road and interchange 19 of Interstate 87 (Adirondack Northway) as well as continuing easterly as NY Route 254. Aviation Road within the project limits is owned and maintained by the Town of Queensbury. Aviation Road consists of 12ft. wide travel lanes in each direction, a 12' wide turning lane, and shoulders that vary in width from 0.5 to 5 ft. wide. The posted speed limit within the project area is 30 mph. There is a sidewalk system throughout the project corridor along the north side of Aviation Road from the High School parking lot that continues east beyond the project limits. Sidewalks are present along the south side between the QUFSD Campus Main Entrance Road/Church Driveway intersection and the Burke Drive intersection.

2.2 Study Area Intersections

- 1) Aviation Road/Manor Drive/Midnight Drive - This is a four-leg, two-way stop controlled intersection located on the western end of the project area. Manor Drive and Midnight Drive are local residential roadways which are horizontally offset from each other. All approaches provide a single lane for shared Left/Through/Right movements. There are no sidewalks or crosswalks at this intersection.
- 2) Aviation Road/High School Parking Lot West Exit - This is a three-leg "T" intersection located on the western side of the school campus. The High School Parking Lot approach is one-way southbound exit only operating under stop control, with designated left and right turn lanes. On Aviation Road east and west approaches, there is a single lane for shared movements. There is a crosswalk running north and south across Aviation Road, just east of the intersection, and a sidewalk on the north side of Aviation Road running east and west.

- 3) Aviation Road/Prospect Road - This is a three-leg “T” intersection operating under stop sign control on the Prospect Drive approach. Prospect Drive is a local residential road and provides a single lane for shared movements. Aviation Road consists of one lane in each direction for through movements and a center two-way left turn lane (TWLTL). There is a crosswalk running north to south across Aviation Road just east of the intersection and a sidewalk on the north side of Aviation Road running east and west.
- 4) Aviation Road/High School Entrance/Cottage Hill Road - This is a four leg intersection operating under stop sign control on the Cottage Hill Drive approach. Cottage Hill Drive is a local residential roadway with a single lane for shared movements. The High School Entrance is a one-way entrance to the parking lot, with no exiting movements onto Aviation Road. Aviation Road consists of one lane in each direction for through movements and a center two-way left turn lane (TWLTL) to be utilized for left-turning movements into the parking lot. There is a crosswalk crossing the High School Entrance and a sidewalk on the north side of Aviation Road running east and west.
- 5) Tennis Court North/ Tennis Court West- This is a four-leg, all-way stop controlled intersection located on the north-west corner of the tennis courts in the QUFSD Campus. Tennis Court North is a one-way road running west to east. Tennis Court West originates out of a parking lot and is one way running north to south. There are no sidewalks or crosswalks at this intersection.
- 6) Tennis Court West/Tennis Court South- This is a four-leg, all-way stop controlled intersection located on the south-west corner of the tennis courts in the QUFSD Campus. Tennis Court West originates out of a parking lot and is one way running north to south. Tennis Court South is a one way road flowing east to west. There are no sidewalks or crosswalks at this intersection.
- 7) Aviation Road/QUFSD Campus Right-Out Exit - This is a three-leg intersection operating under stop sign control on the High School East Exit approach. Aviation Road consists of one lane in each direction for through movements and a center two-way left turn lane (TWLTL). On the QUFSD Campus approach, there is one lane for right-hand turns only. There is a crosswalk crossing the Exit drive and a

sidewalk on the north side of Aviation Road running east and west.

- 8) QUFSD Main Access Drive/Middle School Driveway - This is a three-leg intersection located in the center of the school campus 1/16th of a mile north of the signalized Aviation Road intersection. The QUFSD Main Access Drive contains a single lane northbound and two-lanes southbound with a raised median prohibiting left-turn movements out of the Middle School. On the Middle School Driveway approach, there is a single entrance lane and single right-turn only exit lane. The intersection is controlled by a stop sign at the Middle School Driveway approach. There is a crosswalk across the Middle School Driveway.
- 9) Aviation Road/QUFSD Main Access Drive/Church Driveway - This is a four way signalized intersection and is the main entrance into the QUFSD campus. On the eastbound Aviation Road approach, there is a lane for left movement and a shared lane for thru and right movement. On the westbound Aviation Road approach, there is a lane for right turn as well as a shared lane for left and thru movement. On the Church Driveway approach, there is a dedicated lane for left turns and a shared lane for through and right movements. From the southbound Main Entrance Road approach, there is a lane for right movement and a shared lane for thru and left movement. There are crosswalks crossing Aviation Road, on the east side of the intersection, and crossing Main Entrance Road. There is a sidewalk on the north side of Aviation Road.
- 10) Aviation Road/Burke Drive - This is a three-leg intersection located on the eastern edge of the project area. The intersection operates under stop sign control on the Burke Drive approach. The Aviation Road eastbound approach and Burke Drive approach provide a single lane for shared movements. The Aviation Road westbound approach has a dedicated left-turn only lane onto Burke Drive and a lane for thru movement. There is a crosswalk crossing Burke Drive. Sidewalks exist on both the north and south side of Aviation Road. During the school year a crossing guard is located at this intersection to assist students crossing Burke Drive and Aviation Road.

2.3 Existing Traffic Volumes

Traffic and pedestrian counts were conducted along the corridor while school was in session and operating on a normal schedule. The data was collected on Wednesday, May 18, 2016 from 2:30-5:30 PM and Thursday, May 19, 2016 from 7-9 AM for all intersections excluding both intersections with Tennis Court West. Data was collected for both intersections of the circulating roadway around the tennis courts on Wednesday June 8, 2016 from 2:45-4:15 PM and Thursday June 9, 2016 from 7:00-8:15 AM. From the data collected, the morning and evening peak hours for the project study area was determined to be 7:15 - 8:15 AM and 2:45 – 3:45 PM, respectively. Table 2.3.1 provides a summary of the existing total intersection traffic volumes for the AM and PM peak hours.

Table 2.3.1 – Existing Peak Hour Intersection Traffic Volumes:

Intersection	2016 AM	2016 PM
1) Aviation Rd/Manor Dr/Midnight Dr	876	926
2) Aviation Rd/HS Parking Lot West Exit	952	929
3) Aviation Rd/Prospect Rd	899	973
4) Aviation Rd/HS Entrance/Cottage Hill Rd	1057	1010
5) Tennis Court N/ Tennis Court W	108	238
6) Tennis Court W/ Tennis Court S	72	198
7) Aviation Rd/QUFSD Campus Right-Out Exit	60	128
8) QUFSD Main Access Dr/Middle School Dwy	1160	755
9) Aviation Rd/QUFSD Main Access Dr/Church Dwy	1532	1332
10) Aviation Rd/Burke Dr	1411	1468

Pedestrian movement data was also collected throughout the corridor at the study area intersections and during the vehicular count time frames. Pedestrian movement was generally considered “light” throughout with heavier foot traffic noticed at the Aviation Road/Burke Drive intersection and in the vicinity of the tennis courts within the QUFSD campus.

Existing peak hour vehicle and pedestrian figures are included in Appendix A. The complete traffic count data collected and peak hour summary tables are included in Appendix D.

2.4 Existing Capacity and Level of Service Analysis

The operating conditions of transportation facilities are evaluated based on the relationship of existing or projected traffic volumes to the theoretical capacity of the highway facility. The current standards for evaluating capacity and operating conditions are contained in the *2010 Highway Capacity Manual (HCM)*, published by the Transportation Research Board. The procedures describe operating conditions in terms of Level of Service (LOS) displayed as letter grades, with "A" representing the best operating condition and "F" representing the worst. In general, a "D" grade is considered acceptable during peak periods, "E" is representative of a facility that is near capacity, and "F" is operating beyond the capacity of the facility. Descriptions of LOS and the associated performance measures set forth in the HCM are provided in Appendix E.

To determine the existing operational characteristics of the study area, the morning and evening peak hour conditions were analyzed utilizing the traffic modeling software program Synchro 9, in accordance with the *HCM*. The LOS analysis is summarized in Table 2.4.1, the overall LOS analysis table and computation worksheets are provided in Appendix E.

Table 2.4.1 – Existing Peak Hour LOS and Delay Summary

Intersection and Approach	Control	AM Peak Hour 2016 Existing	PM Peak Hour 2016 Existing
1) Aviation Rd/Manor Dr/Midnight Dr	TW	E (47.0)	D (32.9)
2) Aviation Rd/HS Parking Lot West Exit	TW	D (32.3)	B (13.8)
3) Aviation Rd/Prospect Rd	TW	C (22.9)	B (12.8)
4) Aviation Rd/HS Entrance/Cottage Hill Rd	TW	C (19.8)	B (12.1)
5) Tennis Court N/ Tennis Court W	AW	A (8.3)	B (10.4)
6) Tennis Court W/ Tennis Court S	AW	A (7.7)	A (9.1)
7) Aviation Rd/QUFSD Campus Right-Out Exit	TW	B (11.3)	B (12.4)
8) QUFSD Main Access Dr/Middle School Dwy	TW	E (40.8)	B (13.5)
9) Aviation Rd/QUFSD Main Access Dr/Church Dwy	S	F (80.7)	D (53.5)
10) Aviation Rd/Burke Dr	TW	D (27.9)	C (22.0)

** The worst approach LOS is shown for unsignalized intersections. The overall intersection LOS is shown for signalized intersections
 Key: X (Y.Y) = Level of Service (Delay, seconds per vehicle).

TW – Two-Way Stop controlled intersection

AW – All-Way Stop controlled intersection

S – Signal controlled intersection

Observations from this analysis of existing conditions include:

- The majority of the unsignalized intersections operate adequately with lane movements rating LOS D or better.
- The Manor Drive approach to Aviation Road experiences LOS and delay times that are approaching capacity. This is most likely due to a combination of the eastbound traffic flow, the Midnight Drive northbound right turn movements, and right-of-way confusion due to the offset alignment of Manor and Midnight Drives.
- The High school Parking Lot West Exit left turn movements experience LOS E and an average delay of 37.1 seconds per vehicle.
- The QUFSD Main Access Drive signalized intersection overall LOS is E/D for the AM/PM peak hours respectively, as well as individual approaches operating at LOS F. The Town of Queensbury provided a timing plan for the signal and has also noted that the age of the signal equipment has restricted their attempted improvements to actuation and timing adjustments. During the data collection phase, real time signal timings were collected and the observations determined that the signal appears to operate in a pre-timed mode with approximately 30

seconds of green time to the School/Church approaches and approximately 90 seconds of green time combined for the Aviation Road eastbound/westbound movements (including protected left turn movements). The timing difference could be attributed to refinements in the signal controller made over time to maximize service to Aviation Road.

- o During the AM peak a primary cause for the increased delay is attributed to eastbound left-turn vehicles attempting to enter the school.
 - o During the PM peak the southbound approach, exiting the school, experiences increased delay as vehicles and buses are attempting to make a left turn movement to head eastbound and leave the campus.
 - o It appears that the signal is operating in a pre-timed mode to handle the typical Aviation Road traffic but it does not adapt to the influx of traffic during the QUFSD opening and closing time periods.
- The Burke Drive approach to Aviation Road is operating at LOS E in the morning peak. This is likely attributed to the combination of the east and west bound volumes on Aviation Road, the close proximity to the I-87 signalized interchange, and the adjacent Mobil/Dunkin Donuts property.

2.5 Queue Analysis

Queuing is the stacking of vehicles waiting to pass through a traffic control device, such as a traffic signal or stop sign, the queue length being the distance from the traffic control device to the end of the stacked vehicles. Queue lengths are used to determine the need for increased capacity, rate the efficiency of a traffic control device, and identify lengths of turn lanes at intersections.

Queuing was observed during the data collection phase and the analysis is inclusive with the LOS and delay analysis, all completed utilizing the *HCM* and Synchro traffic modeling software. In general along Aviation Road at the QUFSD Main Access Drive, queuing was observed to extend easterly past Burke Drive at times, as well as westerly nearing the High School parking lot. These queue lengths were able to clear

the intersection when the traffic signal cycled back to the Aviation Road eastbound/westbound green times.

Also observed is the queue length on the southbound QUFSD approach to Aviation Road. The queue length extends back to the tennis courts and through the QUFSD internal campus roundabout. Although this is a 2-lane southbound approach (right turn and through/left turn), the right turn lane is underutilized and the majority of vehicles are making the left turn movement. With the approximate 30 second green time allotted to the QUFSD intersection approach, it typically takes 2 to 3 cycle lengths to clear the intersection if at the back of the queue.



Figure 2.5 – QUFSD SB Approach Queue

2.6 Accident Analysis

An accident analysis was performed for the project area, in accordance with the NYSDOT Highway Design Manual (HDM) Chapter 5, for a 5 year period from January 2011 to December 2015. During this period a total of fourteen (14) accidents were reported within the study limits on the mainline of Aviation Road (not at intersections), and twenty-one (21) at intersections with Aviation Road. Collision diagrams have been prepared for the intersections and included with all related data in Appendix F.

Table 2.6.1 - Intersection Accident Rates (Accidents/MEV)

Intersection of Aviation Rd with:	2011 - 2015 Crash Rate	NYS Average Accident Rate*
1) Manor Dr/Midnight Dr	0.21	0.26
4) HS Entrance/Cottage Hill Rd	0.05	0.26
9) QUFSD Main Entrance/Church Dwy	0.29	0.23
10) Burke Dr	0.41	0.16

* Average Accident Rate for State-owned Facilities at Similar Locations

Table 2.6.1 summarizes the intersection accident rates. As shown in the table, two intersections with Aviation Road (QUFSD Main Entrance and Burke Drive) have higher than the statewide average accident rates. Although the roads in the study are

are not NYS owned highways, the NYS average accident rate can be used as a guide to determine whether certain intersections are good candidates for further analysis or implementation of a corrective measure.

Table 2.6.2 - Intersection Accident Severity

Intersection of Aviation Rd with:	Personal Injury	Property Damage Only	Non-Reportable	Total
1) Manor Dr/Midnight Dr	1	1	2	4
4) HS Entrance/Cottage Hill Rd	0	1	0	1
9) QUFSD Main Entrance/Church Dwy	1	3	3	7
10) Burke Dr	2	3	4	9
Totals	4	8	9	21

The severity of accidents at the intersections within the study limits is summarized in Table 2.6.2. There is no evident comparison between the accident severity over the 5 year study period and any expected future severity rates.

Table 2.6.3 - Intersection Accident Types

Intersection of Aviation Rd with:	Rear-End	Right Angle	Left Turn	Bicycle	Other	Total
1) Manor Dr/Midnight Dr	1	1	0	0	2	4
4) HS Entrance/Cottage Hill Rd	0	1	0	0	0	1
9) QUFSD Main Entrance/Church Dwy	5	1	1	0	0	7
10) Burke Dr	4	1	2	1	1	9
Totals	10	4	3	1	3	21

There were thirty-five (35) total accidents along the Aviation Road corridor study project limits. Of the thirty-five accidents, the predominate accident types were twenty (20) rear end (57%), five (5) right angle (14%), and three (3) left turn (9%). The remaining accidents consisted of overtaking, fixed object, backing, and run off the road accidents. Over the 5 year period for the Aviation Road corridor, there were 0 fatal, 8 Injury, 0 pedestrian, and 1 bicycle accident. The accident rate for the Aviation Road corridor as a whole, in the study area over this analysis period is 4.62 Accidents per Million Vehicle Miles (Accidents/MVM) which is greater than the 2.81 Acc/MVM New York statewide average accident rate for similar urban two-lane corridors.

Rear-end accidents were the predominant accident type throughout the corridor and of the intersections. Rear-end collisions are typically the result of driver inattentiveness, following too closely, and frequent stopping due to congestion. A closer review of the corridor accident statistics and descriptions in the accident reports (all accident data is included in Appendix F) reveals that the majority of accidents occurred on a week day, between 6 AM and 4 PM, during the Fall, Winter, Spring seasons, and with predominantly good weather and pavement conditions. With the predominate accident type rear-end, the relationship can be made between the accidents and the heavy traffic volumes and queuing on Aviation Road, especially between the QUFSD main entrance and Burke Drive. It is likely that operational improvements at the QUFSD main entrance will improve traffic flow, reduce queuing, and therefore decrease the chances for rear-end accidents.

The accident data also recorded eleven (11) accidents within the QUFSD campus, these accidents primarily related to low speed and/or parking collisions and generally included a younger inexperienced driver.

3.0 Future Conditions

To evaluate the traffic impacts or benefits of potential projects, existing traffic volumes are projected to an estimated time of completion (ETC) year using a background growth rate established for the project area. These “No-Build” traffic volumes and associated analysis serve as the basis for comparison of the potential projects.

3.1 No-Build Analysis

The ETC year of 2018 was chosen as a reasonable time frame for the potential projects. An additional design year of 2028 (ETC+10) was included to compare the alternatives. Based on information obtained from the project study advisory committee (SAC), the study area vicinity is generally built out and there is not expected to be significant background vehicular traffic growth during the study years. To make a conservative estimate of the future traffic volumes, a growth rate of 0.5% per year was applied to the 2016 existing traffic volumes. Discussions with the SAC also indicated that there are no significant development projects planned within the study area, therefore no additional development project traffic volumes were included. Table 3.0.1 provides a summary of the total intersection traffic volumes projected to the ETC and ETC+10 evaluation years. All project traffic volumes are depicted on turning movement figures included in Appendix A.

Table 3.1.1 – No Build Total Intersection Traffic Volumes

Intersection	AM		PM	
	ETC 2018	ETC+10 2028	ETC 2018	ETC+10 2028
1) Aviation Rd/Manor Dr/Midnight Dr	884	929	939	986
2) Aviation Rd/HS Parking Lot West Exit	963	1012	942	990
3) Aviation Rd/Prospect Rd	908	954	987	1038
4) Aviation Rd/HS Entrance/Cottage Hill Rd	1067	1122	1025	1050
5) Tennis Court N/ Tennis Court W	109	114	241	254
6) Tennis Court W/ Tennis Court S	73	76	201	211
7) Aviation Rd/QUFSD Campus Right-Out Exit	61	64	130	137
8) QUFSD Main Access Dr/Middle School Dwy	1171	1232	766	805
9) Aviation Rd/QUFSD Main Access Dr/Church Dwy	1548	1627	1351	1420
10) Aviation Rd/Burke Dr	1426	1499	1490	1566

Under the No-Build condition, Aviation Road would continue to operate and be maintained as it currently functions without any improvements. Intersection Levels of Service would continue to degrade as traffic volumes grow over time. The Aviation Road/QUFSD Main Access Drive/Church Driveway intersection (study intersection #9) would continue to operate in the AM peak hour at an overall LOS E in 2018 and worsens to LOS F by 2028. Please refer to Table 3.1.2 for a complete tabulation of LOS and delay times for all movements in the study area.

Table 3.1.2 – No Build Peak Hour LOS and Delay

Intersection and Approach	Control	AM Peak Hour 2016 (Existing)	AM Peak Hour 2018 (ETC)	AM Peak Hour 2028 (ETC+10)	PM Peak Hour 2016 (Existing)	PM Peak Hour 2018 (ETC)	PM Peak Hour 2028 (ETC+10)
1) Aviation Rd/ Manor Dr/Midnight Dr	TW						
Midnight Dr NB LTR		C (20.3)	C (20.6)	C (22.4)	B (14.1)	B (14.2)	B (14.7)
Manor Drive SB LTR		E (47.0)	E (48.2)	F (59.2)	D (32.9)	D (34.1)	E (39.3)
Aviation Road EB LTR		A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)
Aviation Road WB LTR		A (1.2)	A (1.2)	A (1.3)	A (0.8)	A (0.8)	A (0.8)
2) Aviation Rd/HS Parking Lot West Exit	TW						
High School West Exit SB L		D (32.3)	D (33.6)	E (40.9)	B (13.8)	B (13.9)	B (14.4)
High School West Exit SB R		B (11.6)	B (11.7)	B (12.0)	B (13.1)	B (13.3)	B (13.7)
3) Aviation Rd/Prospect Rd	TW						
Prospect Dr NB LTR		C (22.9)	C (23.3)	D (25.2)	B (12.8)	B (12.8)	B (13.1)
Aviation Rd WB L		B (11.4)	B (11.4)	B (11.8)	A (8.5)	A (8.5)	A (8.6)
4) Aviation Rd/HS Entrance/Cottage Hill Rd	TW						
Cottage Hill Rd NB LTR		C (19.8)	C (20.1)	C (22.1)	B (12.1)	B (12.2)	B (12.3)
Aviation Rd EB L		B (10.1)	B (10.1)	B (10.4)	A (8.5)	A (8.5)	A (8.5)
Aviation Rd WB L		B (10.1)	B (10.2)	B (10.4)	A (8.7)	A (8.7)	A (8.8)
5) Tennis Court N/ Tennis Court W	AW						
Tennis Court North EB LRT		A (8.6)	A (8.6)	A (8.6)	A (8.8)	A (8.9)	A (9.0)
Tennis Court West SB LT		A (8.3)	A (8.3)	A (8.4)	B (10.4)	B (10.5)	B (10.8)
6) Tennis Court W/ Tennis Court S	AW						
Tennis Court South WB LT		A (7.2)	A (7.2)	A (7.2)	A (7.7)	A (7.7)	A (7.7)
Tennis Court West SB TR		A (7.7)	A (7.8)	A (7.8)	A (9.1)	A (9.1)	A (9.3)
7) Aviation Rd/QUFSD Campus Right-Out	TW						
High School East Exit SB R		B (11.3)	B (11.5)	B (11.5)	B (12.4)	B (12.5)	B (12.6)
8) QUFSD Main Access Dr/Middle School	TW						
Main Access Dr NB LTR		A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)
Main Access Dr SB LT		A (0.1)	A (0.1)	A (0.1)	A (0.1)	A (0.1)	A (0.1)
Main Access Dr SB TR		A (0.2)	A (0.2)	A (0.2)	A (0.3)	A (0.3)	A (0.3)
Middle School Driveway WB R		E (40.8)	E (42.9)	F (58.1)	B (13.5)	B (13.7)	B (14.3)
9) Aviation Rd/QUFSD Main Access Dr/Church D	S						
Aviation Road EB LTR		E (59.9)	E (61.3)	E (67.3)	C (27.5)	C (27.6)	C (28.0)
Aviation Road WB LTR		E (66.4)	E (68.8)	F (83.6)	D (43.2)	D (44.4)	D (49.8)
Church Driveway NB LTR		D (43.0)	D (43.0)	D (43.0)	B (10.8)	B (10.8)	B (11.0)
Main Access Dr SB LTR		F (139.1)	F (141.8)	F (160.9)	F (112.1)	F (116.4)	F (132.7)
Overall Intersection		F (80.7)	F (82.8)	F (95.5)	D (53.5)	E (55.1)	E (61.3)
10) Aviation Rd/Burke Dr	TW						
Burke Drive NB LTR		D (27.9)	D (29.3)	E (35.7)	C (22.0)	C (22.7)	D (25.8)
Aviation Road WB L		A (9.4)	A (9.4)	A (9.6)	B (10.7)	B (10.8)	B (11.2)

3.2 Preliminary Alternatives

Five (5) preliminary alternatives were developed in response to the observations of the existing conditions analysis. The operational characteristics of the five (5) preliminary concepts were analyzed for the AM and PM peak hours of the 2018 ETC design year, compared to the No-Build analysis, and presented at a SAC meeting held on September 21, 2016. Concept sketches and Level of Service summary figures for each of the preliminary alternatives are provided in Appendix B; the complete September 21, 2016 meeting summary is included in Appendix G.

3.2.1 Preliminary Alternative 1: Existing Signal Upgrades

This alternative consists of upgrading the existing traffic signal equipment at the Aviation Road/QUFSD Main Access Drive/Church Driveway intersection (study intersection #9). This alternative would be considered a maintenance activity by upgrading both the existing traffic signal controller and associated equipment to provide actuated control as well as optimizing the signal timing scheme so that the intersection can be more adaptable to traffic demands on all legs. Study intersection #9 would operate at LOS F during AM peak and LOS D during PM peak. These improvements are estimated to have a construction cost of less than \$20,000 to complete.

3.2.2 Preliminary Alternative 2: Aviation Rd. WB Right Turn Lane

This alternative consists of constructing a dedicated right turn lane along the westbound approach of the QUFSD Main Access intersection (Intersection #9) as well as the installation of a new fully actuated traffic signal system. During the AM peak, a significant amount of delay is experienced at this intersection resulting from the volume of vehicles turning right into the school campus. The construction of a dedicated westbound right turn lane would serve to reduce the delay generated by this movement. It is anticipated that the additional lane would also require the installation of a new traffic signal. Being fully actuated the new signal would be best equipped to adapt timing to variable traffic flows. Under this alternative, study intersection #9 would operate at LOS C during both the AM & PM peak periods. The construction of the

total alternative improvements are estimated to cost approximately \$325,000 to \$350,000.

3.2.3 Preliminary Alternative 3: Burke Drive Intersection Four-way Signal



Figure 3.2.3 – Preliminary Alternative 3 Concept Sketch

This alternative includes eliminating the existing main entrance intersection to the QUFSD campus (study intersection #9) and construction a new four-way signalized intersection with Burke Drive. This new intersection would serve as the main entrance to the QUFSD campus. A one-way interior road linking the middle school and high school would also be removed. This alternative yielded significant improvements to LOS with the new main entrance at Burke Drive operating at LOS B during both AM & PM peak periods. The construction of this alternative is estimated to cost approximately \$175,000 for the traffic signal improvements plus a significant amount of site work within the QUFSD campus. The proposed signal was determined to be too close in proximity to the existing interchange with I-87 (Adirondack Northway) and would likely require coordination and approval through the NYSDOT. Also, QUFSD officials were not comfortable routing high volumes of vehicular traffic so close to the middle school building. This option was eliminated from further consideration.

3.2.4 Preliminary Alternative 4: Cottage Hill Road Four-way Signal

Similar to Preliminary Design Alternative 3, this alternative consists of eliminating the existing main entrance intersection of the QUFSD campus and relocating the main access road to the west of the campus tennis courts and



Figure 3.2.4 – Preliminary Alternative 4 Concept Sketch

constructing a new four-way signalized intersection with Cottage Hill Road. Interior campus roads would also need to be reconfigured to tie into the new thoroughfare constructed west of the tennis courts. Most notably, the right-only exit from the high school parking lot would be removed. LOS analysis of this alternative showed the proposed signal to be operating at LOS D during the AM peak and LOS F during the PM peak. These alternative improvements are estimated to cost approximately \$175,000 for the construction of the traffic signal improvements plus the cost of all required interior site work. This alternative requires the most site work to re-align the internal campus network, including the recently constructed interior roundabout. This alternative does not provide additional LOS benefit compared to other proposed alternatives and was therefore eliminated from further consideration.

3.2.5 Preliminary Alternative 5: West Campus Secondary Signal



Figure 3.2.5 – Preliminary Alternative 5 Concept Sketch

This alternative consists of leaving the existing main entrance intersection in place and constructing a secondary signalized intersection at the western high school

access driveway. All other interior driveways to the high school parking lot would be removed. Level of Service analysis showed that providing a secondary signalized entrance to the QUFSD campus improved the main entrance intersection to LOS C during both the AM & PM peak periods. Meanwhile the new secondary intersection operated at LOS C during the AM peak and LOS B during the PM peak. These improvements are estimated to cost approximately \$175,000 for construction of the traffic signal improvements in addition to the necessary interior site work. A/GFTC & QUFSD expressed concern that the proposed secondary signal would be too close to the Manor/Midnight Drive intersections and could potentially affect their performance.

The SAC evaluated the assessments and eliminated Preliminary Alternatives 3, 4, and 5 from further consideration. Working through the concept plans, the SAC developed two (2) additional alternatives to be studied further in addition to preliminary alternative 1 and 2:

- New Cottage Hill Rd 4-Leg secondary signalized intersection
- New Cottage Hill Rd 4-Leg secondary signalized intersection and the installation of the Aviation Road WB Right Turn Lane (Preliminary Alternative 2)

3.3 Final Alternatives

Four (4) final alternatives were progressed beyond the preliminary level following the September SAC meeting. The operational characteristics of the five (5) preliminary concepts were analyzed for the AM and PM peak hours of the 2018 ETC and 2028 ETC+10 design years, compared to the No-Build analysis, and presented at a SAC meeting held on October 16, 2016 (meeting summary is included in Appendix G). The existing condition assessment revealed that the interior QUFSD campus intersections were all operating sufficiently and their operation would not be significantly affected by the Aviation Road corridor improvements. Therefore, the final alternative assessment concentrated on the analysis of the Aviation Road corridor intersections. The complete LOS and delay comparison tables for the final alternatives are provided at the end of this section. Concept sketches for each of the final alternatives are provided in Appendix C.

3.3.1 Final Alternative 1: Existing Signal Upgrades

As shown in Tables 3.3.1 and 3.3.2, besides the campus main access intersection, all other study intersections remain unaffected by these improvements. That said, on average, delay on the southbound leg of this intersection is reduced by 80 seconds between the AM & PM peak periods assessed. This is critical as the queueing on the southbound leg of this intersection leads to additional delay & time loss experienced by the internal campus network. Overall, this alternative provides a benefit where it is needed most, but the overall LOS improvements are not adequate. In specific, the main entrance intersection to the QUFSD campus would continue to operate at LOS F during the AM peak while the PM peak improved from LOS E to LOS D. These results hold true for both ETC & ETC+10 conditions.

3.3.2 Final Alternative 2: Aviation Rd. WB Right Turn Lane



Figure 3.3.2 – Final Alternative 2 Concept Sketch

Only the campus main access intersection is directly affected under this proposed alternative. Signal timing optimization and the inclusion of a dedicated westbound right turn lane improve the AM LOS from F to C and D under ETC and ETC+10 conditions respectively. Likewise, the PM LOS improves from E to C and D under ETC and ETC+10 conditions respectively. It is assumed that wholesale replacement of the existing span wire traffic signal is included under this alternative or upgrades to the existing signal would be made to operate equivalently as a new signal system, such as a signal head with right turn arrow.

3.3.3 Final Alternative 3A: New Cottage Hill Rd 4-Leg secondary signalized intersection



Figure 3.3.3 Final Alternative 3A Concept Sketch

This alternative includes maintaining the existing campus main access intersection as is while constructing a new four-way signalized intersection at Cottage Hill Road (similar to Preliminary Alternative 4). Improvements to the high school parking lot's westernmost driveway are included under this alternative that would repurpose the driveway from being exit-only to a secondary entrance/exit access point. In addition to the driveway, the implementation of Final Alternative 3A would require various other changes within the QUFSD campus in order to make parking and circulation coincide with the new intersection. Concurrent with this study, QUFSD has been developing site plans to reconstruct the High School parking lot. Figure C4 in Appendix C is the current preliminary High School site plan (provided by QUFSD) that depicts the proposed campus reconstruction, western driveway, and the Cottage Hill Road 4-leg signal.

Traffic distribution of the projected 2018/2028 volumes was developed to account for the numerous QUFSD campus access points offered under this alternative. Traffic volume turning movement diagrams depicting the traffic distribution can be found on Figures A5 and A6 located in Appendix A. Level of Service analysis of the proposed traffic distribution and various signal improvements showed improvements throughout the Aviation Road corridor. The existing main access intersection would be maintained at LOS D (on average) and the new intersection at Cottage Hill Road would operate at LOS B/C throughout AM/PM peak ETC and ETC+10 conditions. The construction of the new traffic signal at Cottage Hill Road is estimated to cost

approximately \$175,000 to \$200,000, exclusive of the QUFSD interior site work necessary to accommodate the geometry changes.

3.3.4 Final Alternative 3B: New Cottage Hill Rd 4-Leg secondary signalized intersection and the installation of the Aviation Road WB Right Turn Lane (Preliminary Alt. 2)

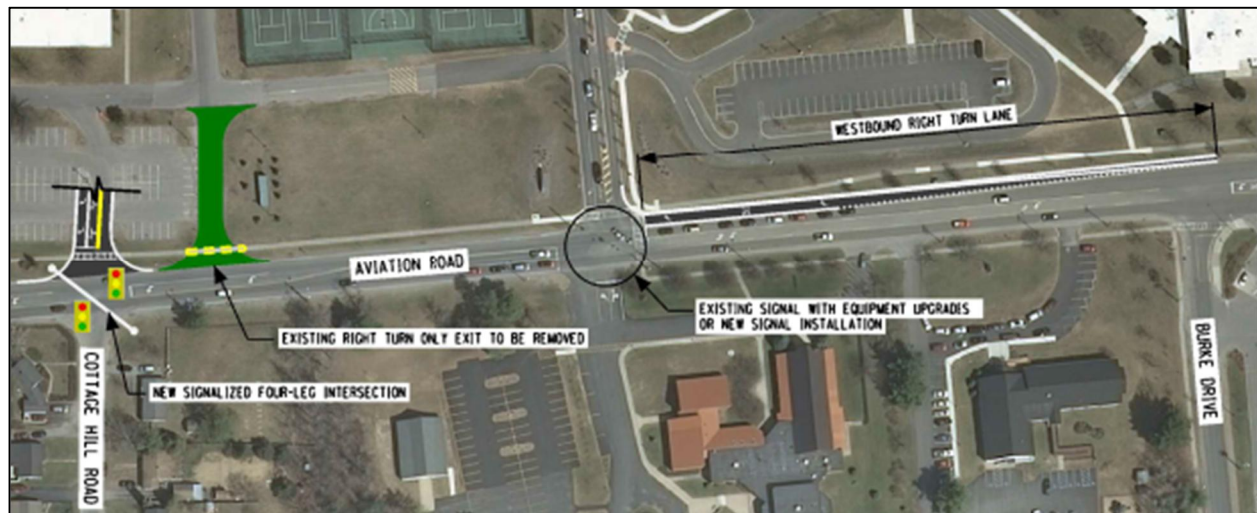


Figure 3.3.4 - Final Alternative 3B Concept Sketch

This alternative consists of all improvements outlined under Final Alternative 3A while also upgrading the existing QUFSD campus main access intersection with a Westbound Right Turn Lane on Aviation Road, as outlined under Final Alternative 2. This is the most expensive alternative proposed including new signal installations and associated geometric improvements to both improved intersections. The traffic distribution is the same as Final Alternative 3A and also depicted on Figures A5 and A6 in Appendix A. The existing main access intersection LOS is improved to a consistent LOS C for AM/PM peaks during both ETC and ETC+10 conditions. The new signalized intersection at Cottage Hill Road would operate at LOS B/C (similar to Final Alternative 3A) for AM/PM peaks during both ETC and ETC+10 conditions. The total project improvements are estimated to cost approximately \$500,000 to \$550,000 for construction, exclusive of the QUFSD interior site work necessary to accommodate the geometry changes.

Please refer to Tables 3.3.1 and 3.3.2 for a complete tabulation and comparison of LOS and delay times for the No-Build and Final Alternatives.

Table 3.3.1 – AM Peak Hour LOS and Delay

AM Peak Hour Level of Service											
Intersection and Approach	Control	No Build		Alt. 1		Alt. 2		Alt. 3A		Alt. 3B	
		2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)
1) Aviation Rd/Manor Dr/Midnight Dr	T										
Midnight Dr NB	LT	C (20.6)	C (22.4)	C (20.6)	C (22.4)	C (20.6)	C (22.4)	C (20.6)	C (22.4)	C (20.6)	C (22.4)
Manor Drive SB	LT	E (48.2)	F (59.2)	E (48.2)	F (59.2)	E (48.2)	F (59.2)	E (48.2)	F (59.2)	E (48.2)	F (59.2)
Aviation Road EB	LT	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)
Aviation Road WB	LT	A (1.2)	A (1.3)	A (1.2)	A (1.3)	A (1.2)	A (1.3)	A (1.2)	A (1.3)	A (1.2)	A (1.3)
2) Aviation Rd/HS Parking Lot West Exit	T										
High School West Exit SB	L	D (33.6)	E (40.9)	D (33.6)	E (40.9)	D (33.6)	E (40.9)	D (32.8)	E (38.5)	D (32.8)	E (38.5)
High School West Exit SB	R	B (11.7)	B (12.0)	B (11.7)	B (12.0)	B (11.7)	B (12.0)	B (11.2)	B (11.5)	B (11.2)	B (11.5)
3) Aviation Rd/Prospect Rd	T										
Prospect Dr NB	LT	C (23.3)	D (25.2)	C (23.3)	D (25.2)	C (23.3)	D (25.2)	C (23.3)	D (25.2)	C (23.3)	D (25.2)
Aviation Rd WB	L	B (11.4)	B (11.8)	B (11.4)	B (11.8)	B (11.4)	B (11.8)	B (11.4)	B (11.8)	B (11.4)	B (11.8)
4) Aviation Rd/HS Entrance/Cottage Hill	T										
Cottage Hill Rd NB	LT	C (20.1)	C (22.1)	C (20.1)	C (22.1)	C (20.1)	C (22.1)	B (16.0)	B (16.6)	B (16.0)	B (16.6)
New High School Exit SB	LT							C (29.4)	C (30.1)	C (29.4)	C (30.1)
Aviation Rd EB	L	B (10.1)	B (10.4)	B (10.1)	B (10.4)	B (10.1)	B (10.4)	B (13.1)	B (15.9)	B (13.1)	B (15.9)
Aviation Rd WB	L	B (10.2)	B (10.4)	B (10.2)	B (10.4)	B (10.2)	B (10.4)	A (8.7)	A (9.6)	A (8.7)	A (9.6)
Overall Intersection								B (13.4)	B (15.3)	B (13.4)	B (15.3)
7) Aviation Rd/QUFSD Campus Right-Out	T										
High School East Exit SB	R	B (11.5)	B (11.5)	B (11.5)	B (11.5)	B (11.5)	B (11.5)	N/A	N/A	N/A	N/A
9) Aviation Rd/QUFSD Main Dr/Church Dwy	S										
Aviation Road EB	LT	E (61.3)	E (67.3)	E (68.6)	E (69.1)	C (34.8)	D (38.8)	D (38.2)	D (40.1)	C (23.3)	C (25.3)
Aviation Road WB	LT	E (68.8)	F (83.6)	F (96.2)	F (115.6)	C (27.3)	C (31.2)	E (69.1)	F (83.2)	C (25.4)	C (29.5)
Church Driveway NB	LT	D (43.0)	D (43.0)	D (41.0)	D (41.7)	B (17.7)	B (17.7)	D (43.0)	D (43.0)	B (16.7)	B (16.7)
Main Access Dr SB	LT	F (141.8)	F (160.9)	F (83.4)	F (101.2)	D (43.6)	D (47.7)	D (54.6)	E (58.7)	C (25.3)	C (26.5)
Overall Intersection		F (82.8)	F (95.5)	F (83.2)	F (95.4)	C (33.6)	D (37.6)	D (54.3)	E (61.7)	C (24.5)	C (27.2)
10) Aviation Rd/Burke Dr	T										
Burke Drive NB	LT	D (29.3)	E (35.7)	D (29.3)	E (35.7)	D (29.3)	E (35.7)	C (21.4)	C (24.2)	C (21.4)	C (24.2)
Aviation Road WB	L	A (9.4)	A (9.6)	A (9.4)	A (9.6)	A (9.4)	A (9.6)	A (9.4)	A (9.6)	A (9.4)	A (9.6)

Table 3.3.2 – PM Peak Hour LOS and Delay

PM Peak Hour Level of Service											
Intersection and Approach	Control	No Build		Alt. 1		Alt. 2		Alt. 3A		Alt. 3B	
		2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)
1) Aviation Rd/Manor Dr/Midnight Dr	T										
Midnight Dr NB	LT	B (14.2)	B (14.7)	B (14.2)	B (14.7)	B (14.2)	B (14.7)	B (14.2)	B (14.7)	B (14.2)	B (14.7)
Manor Drive SB	LT	D (34.1)	E (39.3)	D (34.1)	E (39.3)	D (34.1)	E (39.3)	D (34.1)	E (39.8)	D (34.1)	E (39.8)
Aviation Road EB	LT	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)	A (0.0)
Aviation Road WB	LT	A (0.8)	A (0.8)	A (0.8)	A (0.8)	A (0.8)	A (0.8)	A (0.8)	A (0.8)	A (0.8)	A (0.8)
2) Aviation Rd/HS Parking Lot West Exit	T										
High School West Exit SB	L	B (13.9)	B (14.4)	B (13.9)	B (14.4)	B (13.9)	B (14.4)	B (13.9)	B (14.4)	B (13.9)	B (14.4)
High School West Exit SB	R	B (13.3)	B (13.7)	B (13.3)	B (13.7)	B (13.3)	B (13.7)	B (13.0)	B (13.4)	B (13.0)	B (13.4)
3) Aviation Rd/Prospect Rd	T										
Prospect Dr NB	LT	B (12.8)	B (13.1)	B (12.8)	B (13.1)	B (12.8)	B (13.1)	B (12.9)	B (13.3)	B (12.9)	B (13.3)
Aviation Rd WB	L	A (8.5)	A (8.6)	A (8.5)	A (8.6)	A (8.5)	A (8.6)	A (8.5)	A (8.6)	A (8.5)	A (8.6)
4) Aviation Rd/HS Entrance/Cottage Hill	T										
Cottage Hill Rd NB	LT	B (12.2)	B (12.3)	B (12.2)	B (12.3)	B (12.2)	B (12.3)	A (5.0)	A (5.1)	A (5.0)	A (5.1)
New High School Exit SB	LT							C (39.5)	D (44.8)	C (39.5)	D (44.8)
Aviation Rd EB	L	A (8.5)	A (8.5)	A (8.5)	A (8.5)	A (8.5)	A (8.5)	C (23.4)	C (24.4)	C (23.4)	C (24.4)
Aviation Rd WB	L	A (8.7)	A (8.8)	A (8.7)	A (8.8)	A (8.7)	A (8.8)	C (28.0)	C (29.9)	C (28.0)	C (29.9)
Overall Intersection								C (31.6)	C (34.8)	C (31.6)	C (34.8)
7) Aviation Rd/QUFSD Campus Right-Out	T										
High School East Exit SB	R	B (12.5)	B (12.6)	B (12.5)	B (12.6)	B (12.5)	B (12.6)	N/A	N/A	N/A	N/A
9) Aviation Rd/QUFSD Main Dr/Church Dwy	S										
Aviation Road EB	LT	C (27.6)	C (28.0)	C (31.8)	C (34.4)	C (25.6)	C (26.9)	C (28.4)	C (29.5)	B (13.6)	B (14.2)
Aviation Road WB	LT	D (44.4)	D (49.8)	D (45.2)	E (57.6)	C (32.1)	D (38.1)	D (43.9)	D (49.0)	C (26.3)	C (30.0)
Church Driveway NB	LT	B (10.8)	B (11.0)	A (5.8)	A (5.8)	A (4.2)	A (4.2)	B (10.8)	B (10.8)	A (4.2)	A (4.2)
Main Access Dr SB	LT	F (116.4)	F (132.7)	D (51.4)	D (54.3)	D (41.1)	D (45.0)	E (55.3)	E (57.9)	C (27.7)	C (28.5)
Overall Intersection		E (55.1)	E (61.3)	D (42.1)	D (49.2)	C (31.9)	D (35.9)	D (39.7)	D (42.8)	C (21.6)	C (23.6)
10) Aviation Rd/Burke Dr	T										
Burke Drive NB	LT	C (22.7)	D (25.8)	C (22.7)	D (25.8)	C (22.7)	D (25.8)	C (20.4)	C (22.7)	C (20.4)	C (22.7)
Aviation Road WB	L	B (10.8)	B (11.2)	B (10.8)	B (11.2)	B (10.8)	B (11.2)	B (10.8)	B (11.3)	B (10.8)	B (11.3)

4.0 Project Summary

4.1 Conclusions

The Aviation Road/QUFSD Access Operations Analysis was completed to identify existing transportation issues in the Aviation Road project corridor and to evaluate the operational benefits of potential QUFSD campus access changes with Aviation Road. Evaluation of the existing corridor conditions revealed:

- The majority of unsignalized intersections operate adequately.
- The Manor Drive, High School Parking Lot West Exit, and Burke Drive approaches to Aviation Road experience LOS and delay times that are approaching capacity.
- The QUFSD Main Access Drive signalized intersection has reached its capacity and is currently operating at LOS E during the AM peak hour and as well as individual approaches operating at LOS F during the AM and PM peak hours.
- The QUFSD Main Access Drive signal is operating on a fixed-time cycle and is not currently adaptable to fluctuations in the traffic volumes seen during the peak periods.
- Long queue lengths of vehicles was observed on the QUFSD Main Access Drive approach to Aviation Road, as well as the Aviation Road east and westbound approach to the Main Access Drive intersection. The queue lengths are attributed to the signal operation.
- The accident analysis found that two intersections with Aviation Road (QUFSD Main Entrance and Burke Drive) have higher than the statewide average accident rates. Also, the Aviation Road corridor as a whole has an accident rate that is higher than the statewide average for similar facilities within New York State.

In an attempt to address the existing Aviation Road corridor needs and propose potential access changes to the QUFSD campus, the preliminary alternative assessment developed five (5) alternatives for evaluation, plus the No-Build option for comparison.

- 1) Existing Signal Upgrades
- 2) Aviation Rd. WB Right Turn Lane

- 3) Burke Drive Intersection Four-way Signal
- 4) Cottage Hill Road Four-way Signal
- 5) West Campus Secondary Signal

Two (2) of the preliminary alternatives were determined to be viable options and selected for a more detailed investigation as well as two (2) additional alternatives that were developed through a working meeting with the SAC.

- 1) Existing Signal Upgrades
- 2) Aviation Rd. WB Right Turn Lane
- 3A) New Cottage Hill Rd 4-Leg secondary signalized intersection
- 3B) New Cottage Hill Rd 4-Leg secondary signalized intersection and the installation of the Aviation Road WB Right Turn Lane

The final alternative assessment revealed that Alternative 3B would provide the greatest operational benefit to both the Aviation Road corridor and the QUFSD approaches to Aviation Road. This alternative would help to alleviate some of the southbound QUFSD Main Access approach volume by providing a new 4-leg signalized intersection with Cottage Hill Rd. The alternative also proposes to construct a westbound right turn lane on Aviation Road at the existing Main Access intersection. The right turn lane would pull right turn vehicles out of the existing single lane approach, providing storage length for the right turn vehicles, and therefore reducing the queue length and overall delay for the approach as a whole. The addition of the right turn lane would require modifications to the existing traffic signal, at a minimum, to include additional signal heads and signs and to ensure they geometrically placed according to current design standards. If the existing signal system structure was unable to accommodate the additional turn lane features, a full replacement of the signal or an additional signal pole would be required. Construction of final alternative 3B is estimated to cost approximately \$500,000 to \$550,000 to complete in its entirety, the highest of the alternatives investigated.

4.2 Preferred Alternative

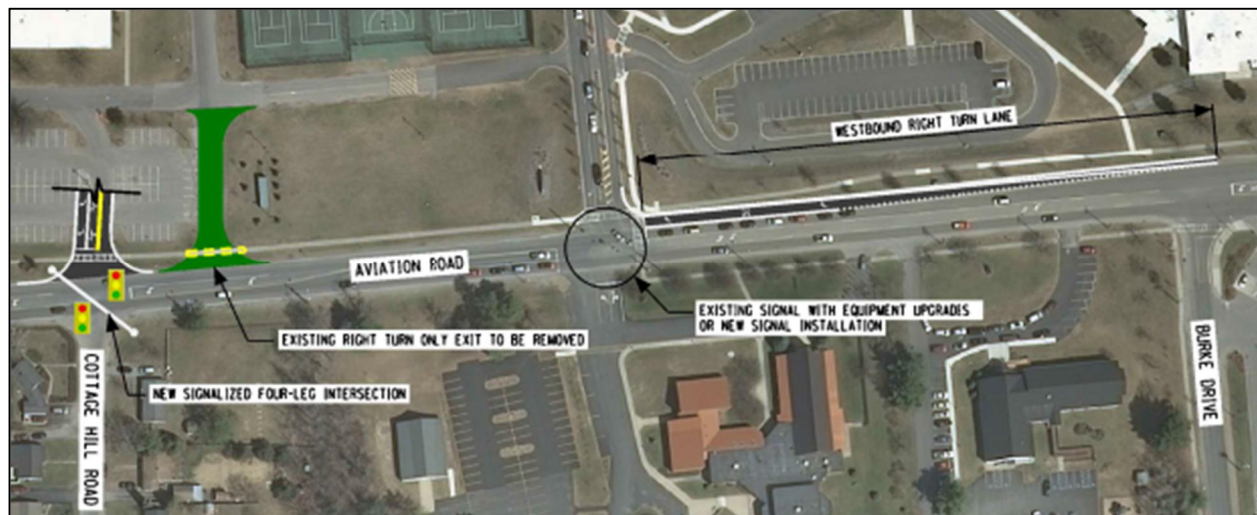


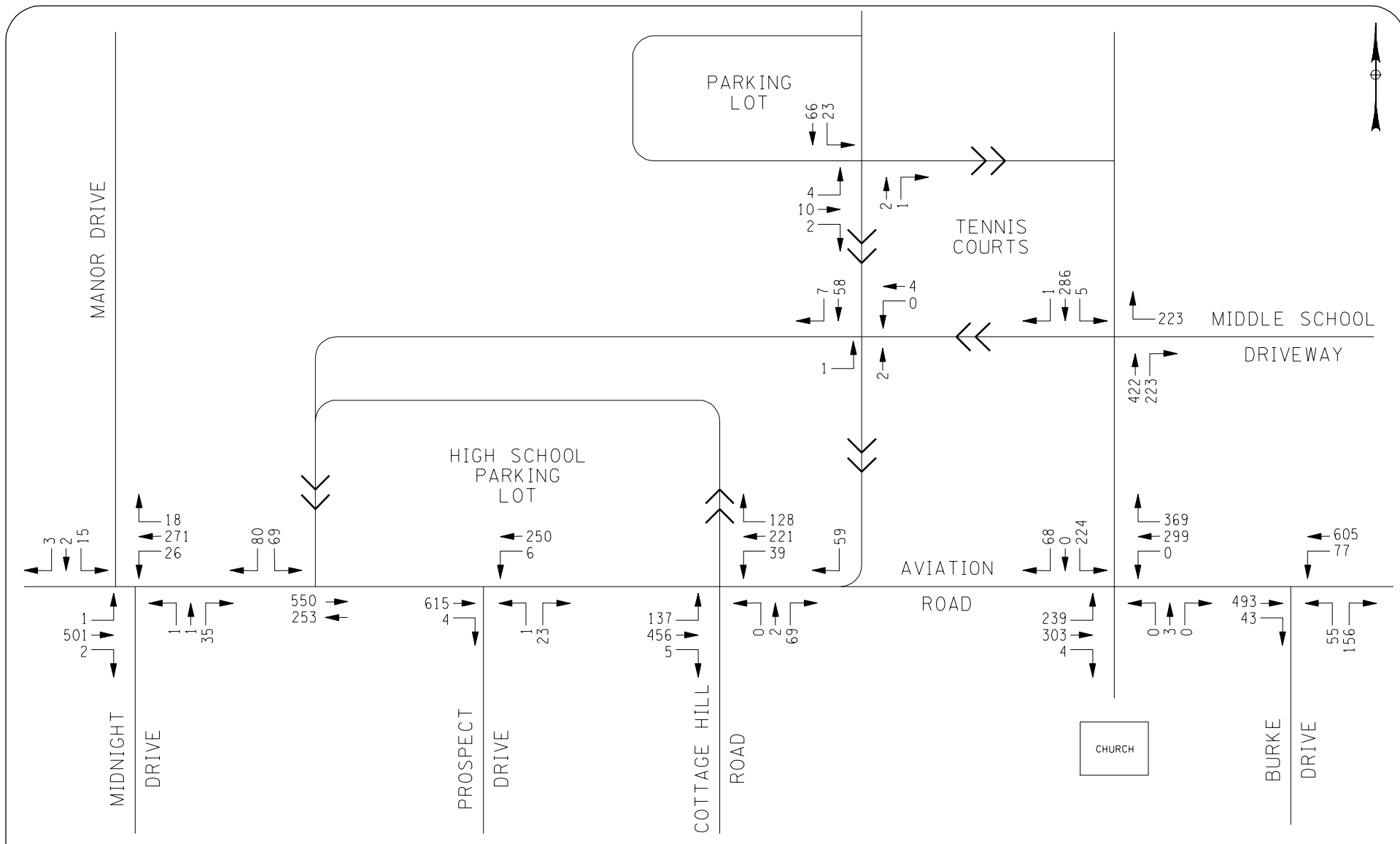
Figure 4.2 - Preferred Alternative

At the SAC meeting held on October 18, 2016 and at the A/GFTC Policy Committee meeting held on March 8, 2017 (Please see Appendix G for meeting materials), the final alternatives were presented and it was concluded that Alternative 3B would provide the greatest operational benefit to the corridor as a whole, although it comes with the highest estimated cost of all of the alternatives. The unique benefit of Alternative 3B is that it has three (3) separate components (existing signal modifications or a new signal, Cottage Hill signal, and the westbound Right Turn lane) that can be constructed separately as funding becomes available and to coordinate construction schedules with QUFSD site work. The construction of the new traffic signals is estimated to cost approximately \$175,000 to \$200,000 and the right turn lane is estimated to cost approximately \$150,000. The segmented construction approach would still provide incremental corridor improvements, ultimately providing the full benefits of Alternative 3B when all components are completed. Each of these improvements serves to provide additional access to the QUFSD campus, ultimately reducing delay throughout the Aviation Road Corridor.

APPENDICES

APPENDIX A

PEAK HOUR TRAFFIC AND PEDESTRIAN VOLUME FIGURES



Barton & Loguidice, D.P.C.

LEGEND:

>> - ONE-WAY ONLY

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

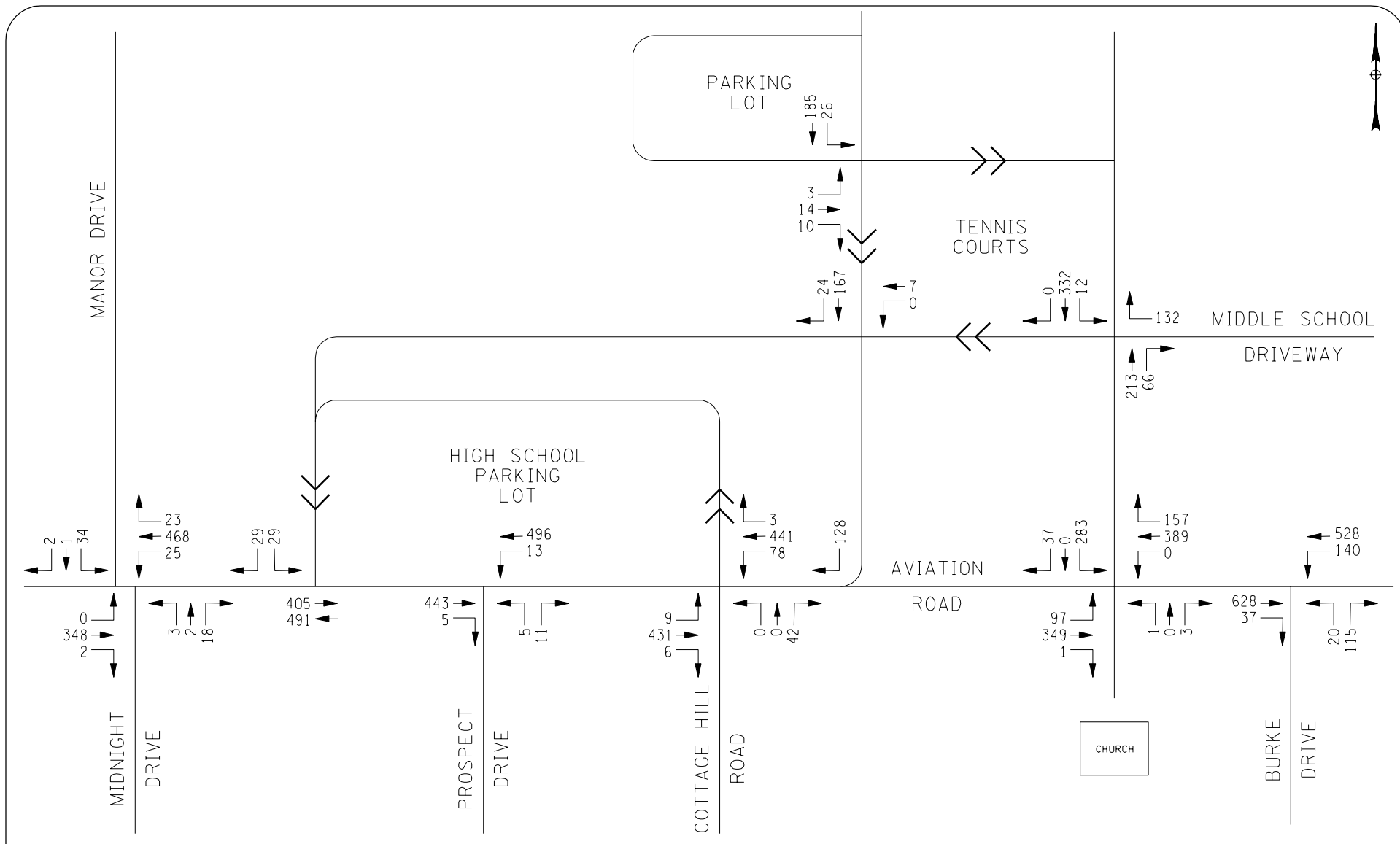
2016 EXISTING AM PEAK HOUR
VEHICULAR TRAFFIC VOLUMES

Figure

A1

Project No.

1896.001.001



Barton & Loguidice, D.P.C.

LEGEND:

>> - ONE-WAY ONLY

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

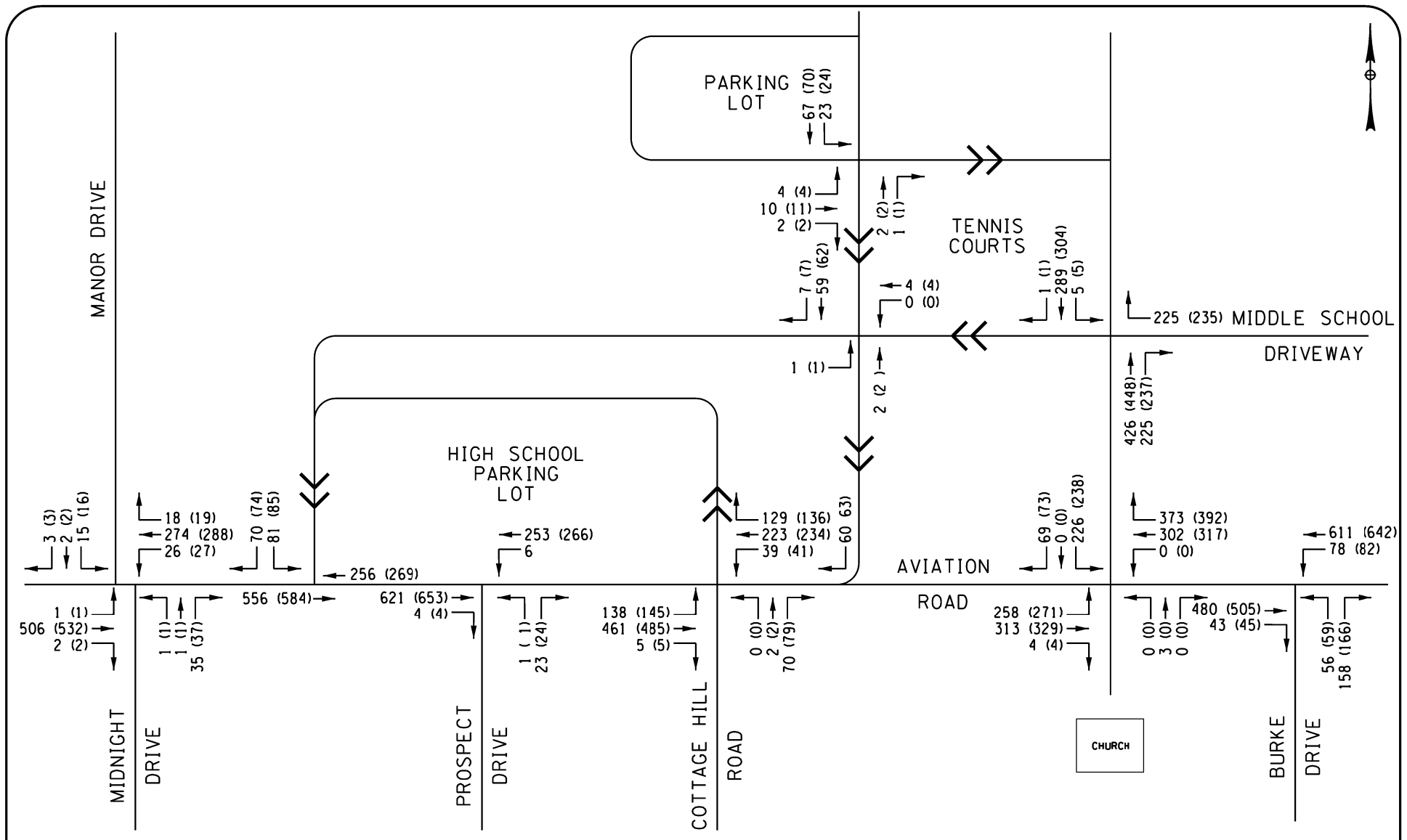
2016 EXISTING PM PEAK HOUR
VEHICULAR TRAFFIC VOLUMES

Figure

A2

Project No.

1896.001.001

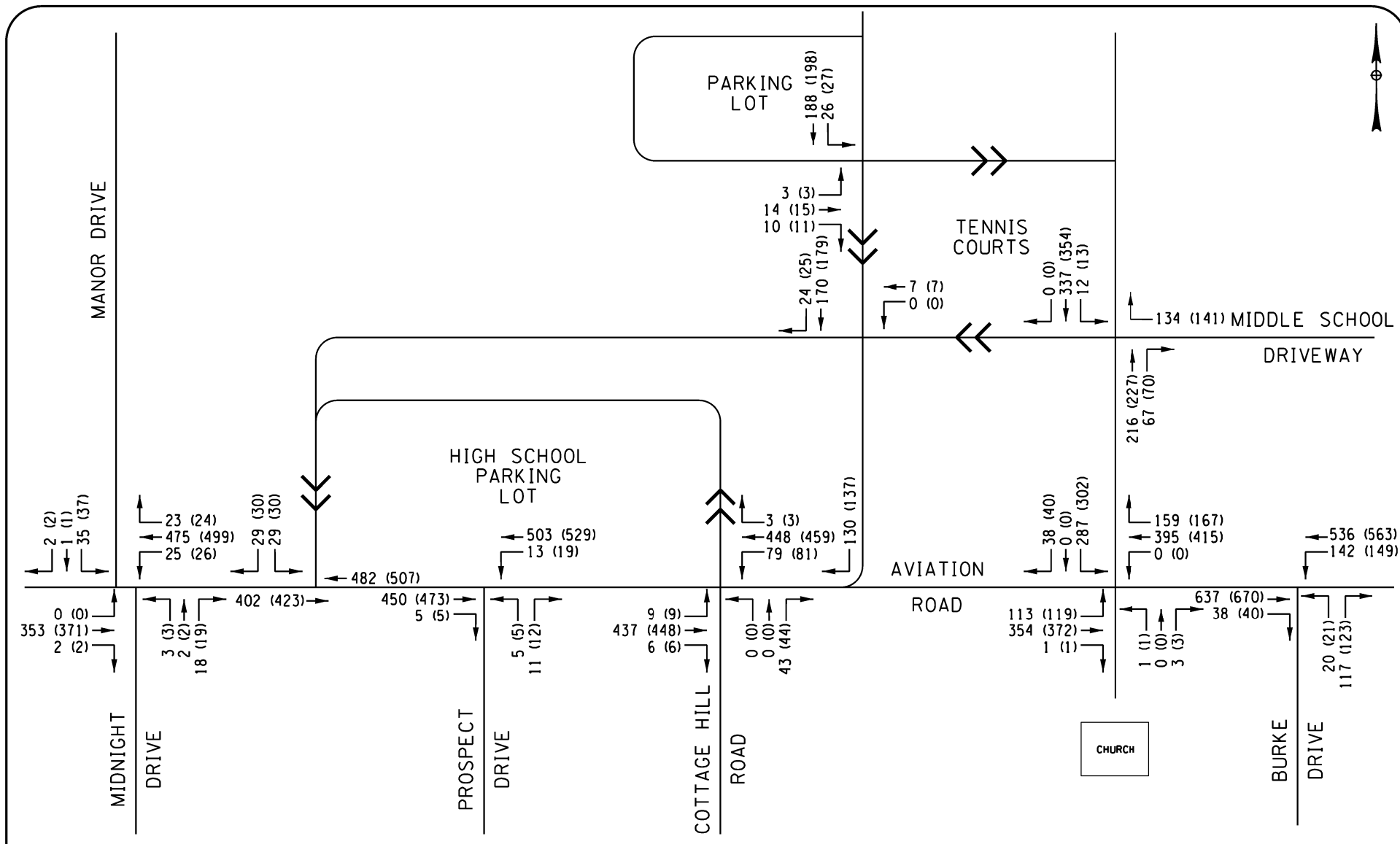


Barton & Loguidice, D.P.C.

LEGEND:
 >> - ONE-WAY ONLY

**A/GFTC
 AVIATION ROAD/QUFSD ACCESS
 OPERATIONS ANALYSIS
 TOWN OF QUEENSBURY, WARREN COUNTY, NY
 NO-BUILD AM PEAK HOUR
 VEHICULAR TRAFFIC VOLUMES
 2018 ETC (2028 ETC+10)**

**Figure
 A3
 Project No.
 1896.001.001**

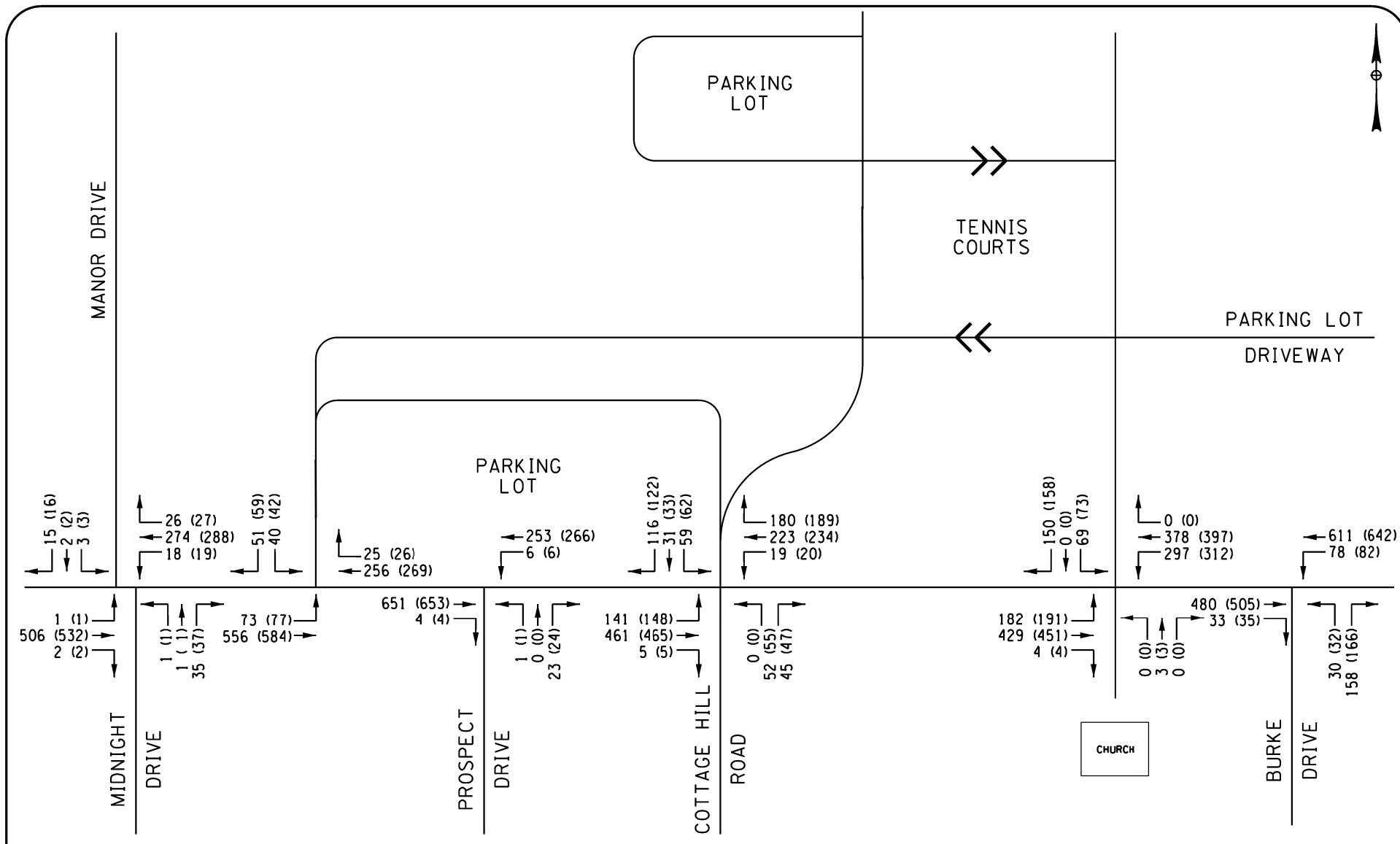


Barton & Loguidice, D.P.C.

LEGEND:
 >> - ONE-WAY ONLY

**A/GFTC
 AVIATION ROAD/QUFSD ACCESS
 OPERATIONS ANALYSIS
 TOWN OF QUEENSBURY, WARREN COUNTY, NY
 NO-BUILD PM PEAK HOUR
 VEHICULAR TRAFFIC VOLUMES
 2018 ETC (2028 ETC+10)**

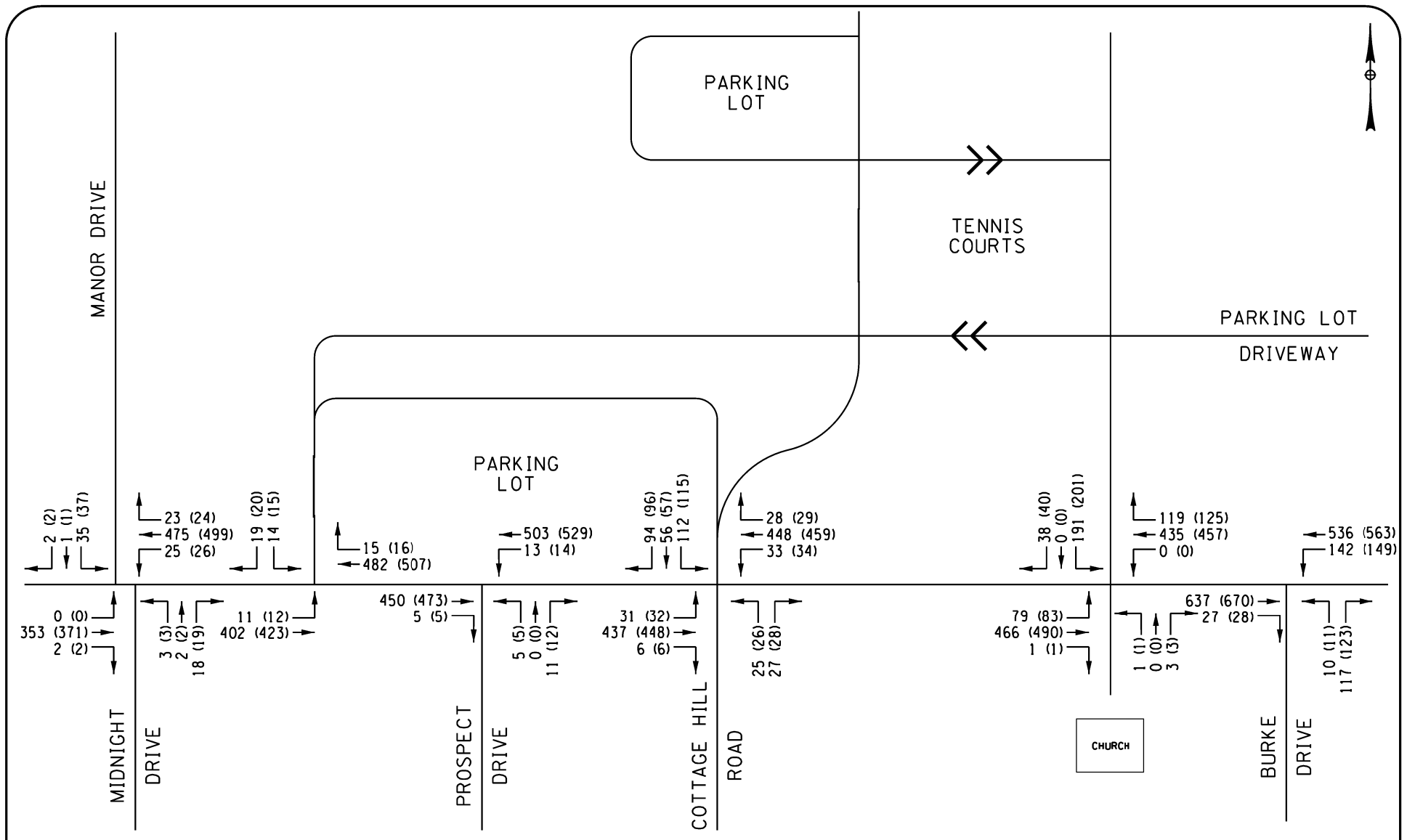
**Figure
 A4
 Project No.
 1896.001.001**



Barton & Loguidice, D.P.C.

A/GFTC
 AVIATION ROAD/QUFSD ACCESS
 OPERATIONS ANALYSIS
 TOWN OF QUEENSBURY, WARREN COUNTY, NY
 PREFERRED ALTERNATIVE
 BUILD, AM PEAK HOUR
 VEHICULAR TRAFFIC VOLUMES
 2018 ETC (2018 ETC+10)

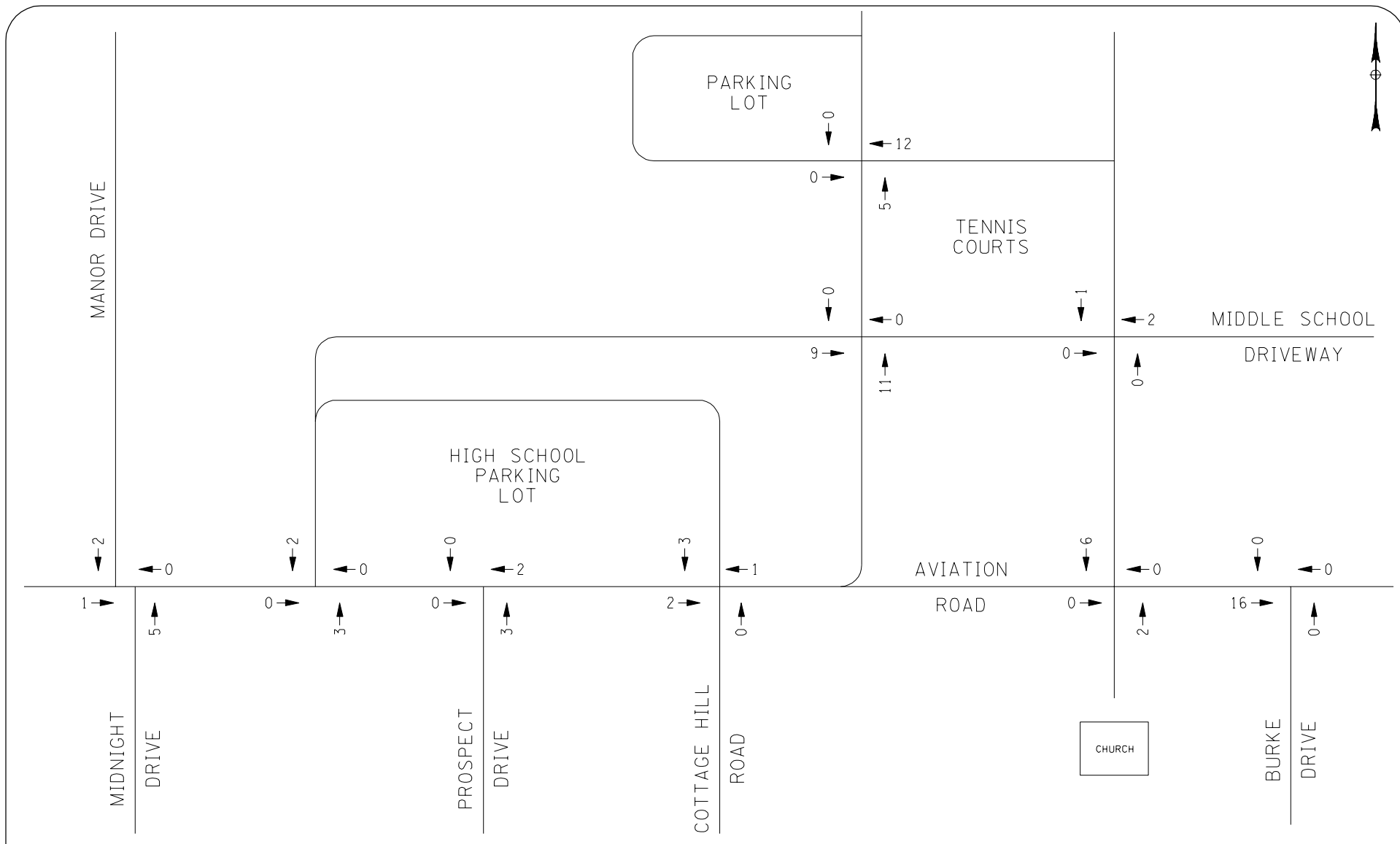
Figure
 A5
 Project No.
 1896.001.001



Barton & Loguidice, D.P.C.

A/GFTC
 AVIATION ROAD/QUFSD ACCESS
 OPERATIONS ANALYSIS
 TOWN OF QUEENSBURY, WARREN COUNTY, NY
 PREFERRED ALTERNATIVE
 BUILD, PM PEAK HOUR
 VEHICULAR TRAFFIC VOLUMES
 2018 ETC (2018 ETC+10)

Figure
 A6
 Project No.
 1896.001.001



Barton & Loguidice, D.P.C.

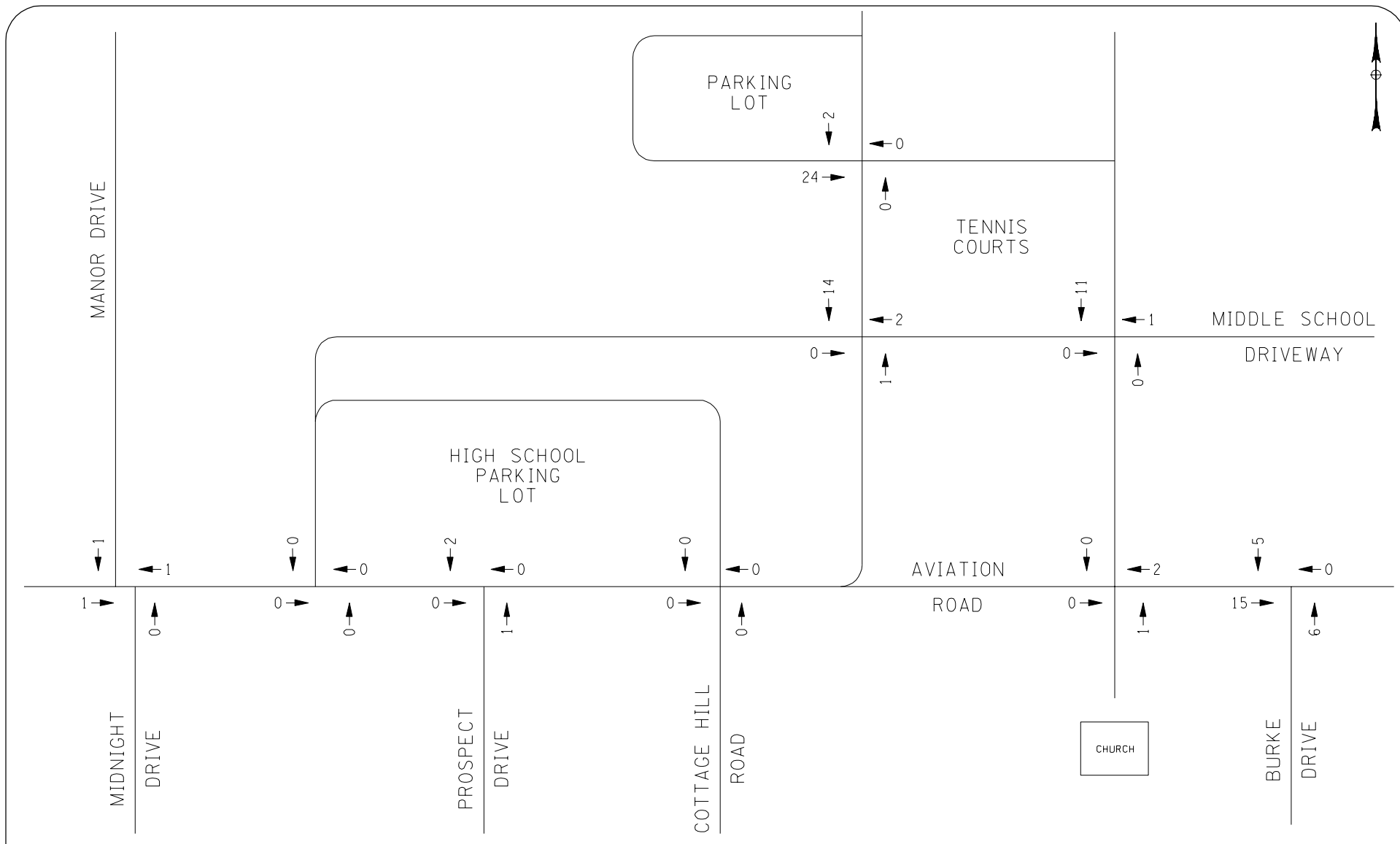
A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

2016 EXISTING AM PEAK HOUR
PEDESTRIAN TRAFFIC VOLUMES

Figure

A7

Project No.
1896.001.001



Barton & Loguidice, D.P.C.

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

2016 EXISTING PM PEAK HOUR
PEDESTRIAN TRAFFIC VOLUMES

Figure

A8

Project No.
1896.001.001

APPENDIX B

PRELIMINARY ALTERNATIVE CONCEPT FIGURES



Barton
 & Loguidice, D.P.C.

LEGEND
 LOS AM / LOS PM

0 80 160
 1" = 160 FEET

A/GFTC
 AVIATION ROAD/QUFSD ACCESS
 OPERATIONS ANALYSIS
 TOWN OF QUEENSBURY, WARREN COUNTY, NY

2018 NO-BUILD

Figure
 A
 Project No.
 1896.001.001



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

ALTERNATIVE 1
EXISTING SIGNAL OPTIMIZATION

Figure
B
Project No.
1896.001.001



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

ALTERNATIVE 3
BURKE DRIVE SIGNAL

Figure
D
Project No.
1896.001.001



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

ALTERNATIVE 4
COTTAGE HILL ROAD SIGNAL

Figure

E

Project No.

1896.001.001



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

ALTERNATIVE 5
WEST CAMPUS SECOND SIGNAL

Figure
F
Project No.
1896.001.001

APPENDIX C

FINAL ALTERNATIVE CONCEPT FIGURES



Barton
& Loguidice, D.P.C.

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY
EXISTING CONDITIONS AND
ALTERNATIVE 1

Figure
C1
Project No.
1896.001.001





Barton
& **Loguidice, D.P.C.**

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

FINAL ALTERNATIVE 3A
COTTAGE HILL RD. SIGNAL

Figure
C3
Project No.
1896.001.001



Barton
& **Loguidice, D.P.C.**

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

FINAL ALTERNATIVE 3B
(PREFERRED ALTERNATIVE)

Figure
C4

Project No.
1896.001.001

FOR REVIEW ONLY



QUEENSBURY UNION FREE SCHOOL DISTRICT
QUEENSBURY HIGH SCHOOL
2016 LEGACY PROJECT

Project Title



No.	Date	Revision	By
4			
3			
2			
1			

Drawn By: JME
Checked By: SKB
SED #83-09-02-03-0-002-024
CSArch Project: 126-15-01
Date: JANUARY 13, 2017

Sheet Title

SITE
LAYOUT

Sheet No.

C-101

SED SUBMISSION

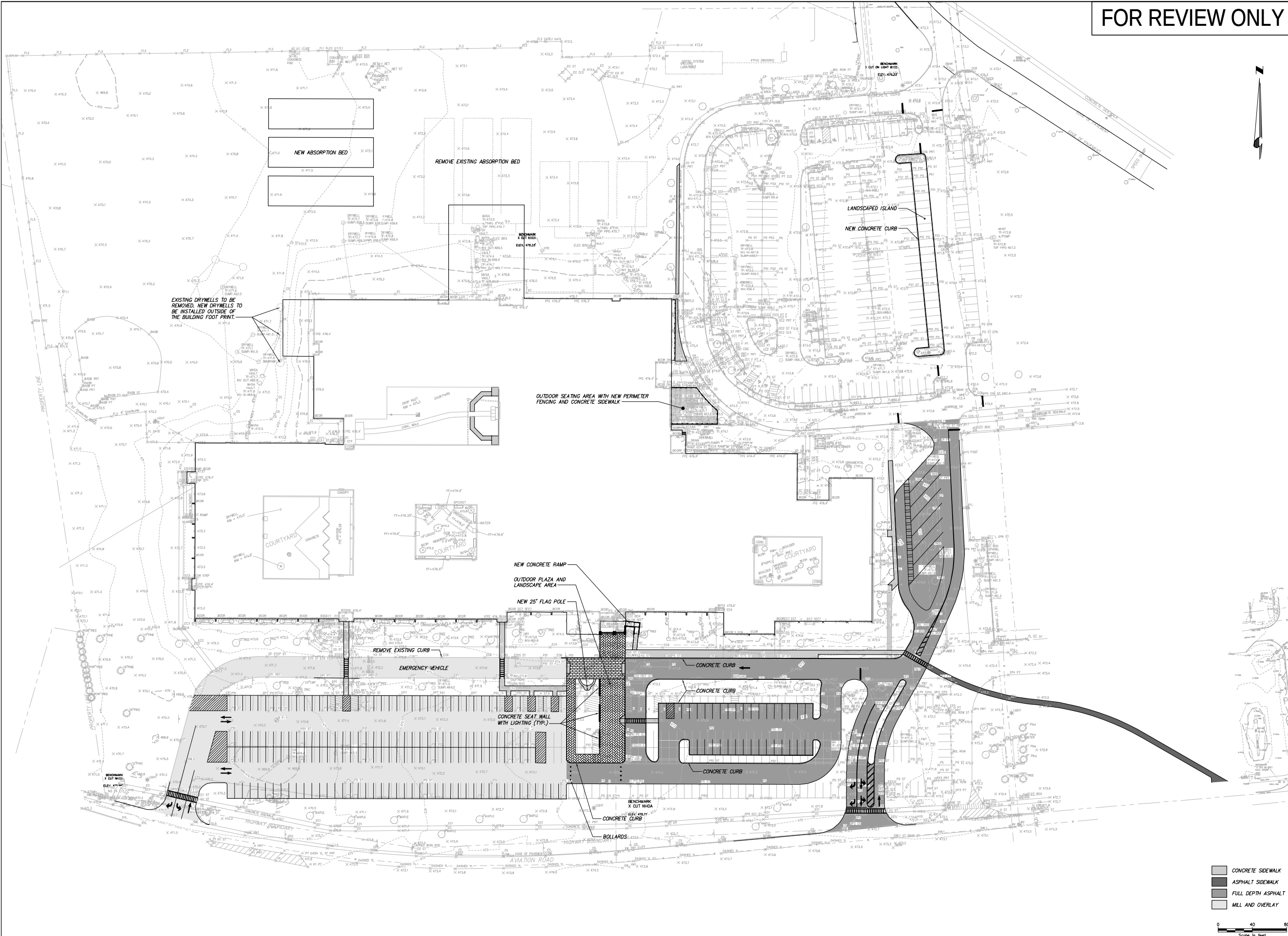


FIGURE C5

V:\PROJECTS\NY\K4\3725\CAD\ACAD\C-101-37253.DWG 1/27/2017 3:01 PM

APPENDIX D

TURNING MOVEMENT COUNT DATA



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	7/13/2016
SUBJECT	AM Peak Hour		
INTERSECTION	Manor Drive, Aviation Road, Midnight Drive		

Existing (2016) Peak Hour

Period Starts	Manor Drive Southbound				Aviation Road Eastbound				Midnight Drive Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
7:15 AM	1	1	0	2	1	208	1	210	0	0	25	25	13	74	1	88	325
7:30 AM	5	0	0	5	0	132	0	132	0	0	5	5	6	66	4	76	218
7:45 AM	5	0	3	8	0	87	1	88	0	0	4	4	6	72	7	85	185
8:00AM	4	1	0	5	0	74	0	74	1	1	1	3	1	59	6	66	148
TOTAL	15	2	3	20	1	501	2	504	1	1	35	37	26	271	18	315	876
PHF				0.625				0.600				0.370				0.895	0.674
Percent HV (%)				0.000				2.579				2.703				7.937	4.452

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Sunny
Collected by: AEC

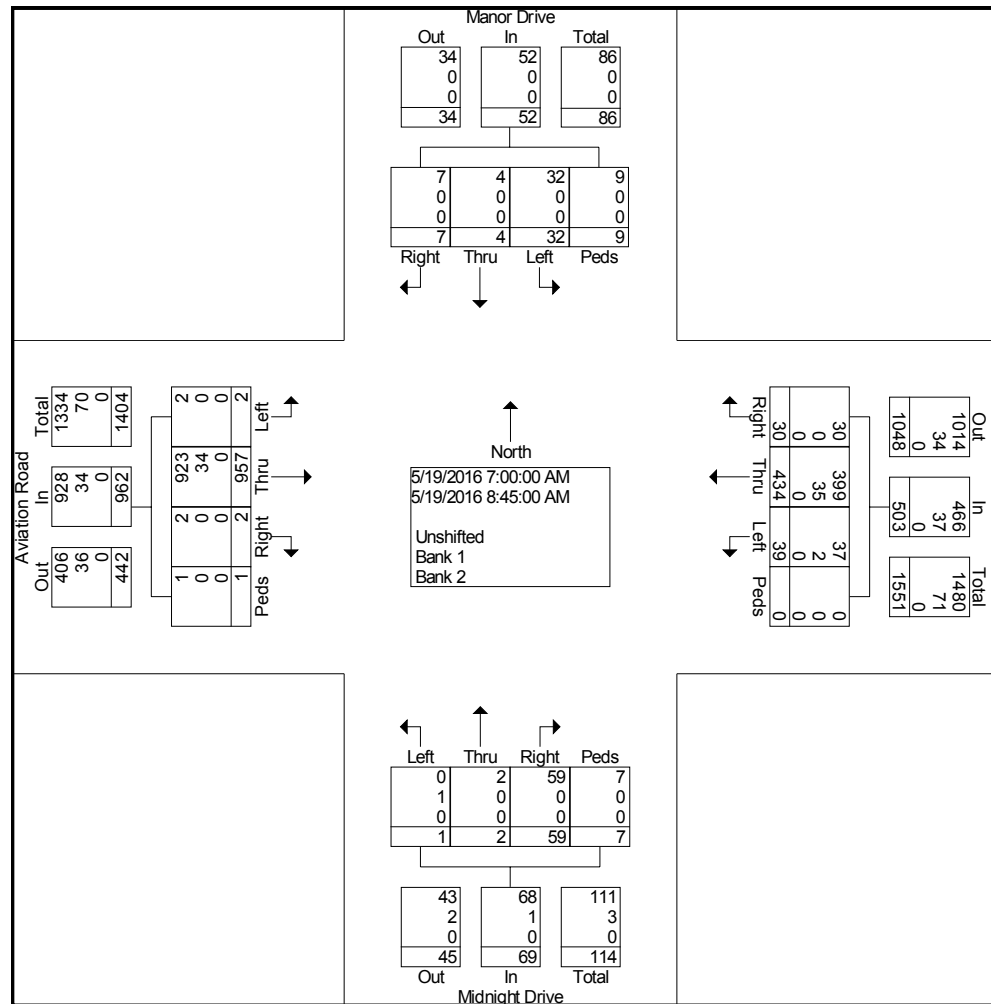
File Name : MANOR-~1
Site Code : 00000000
Start Date : 5/19/2016
Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

	Manor Drive From North					Aviation Road From East					Midnight Drive From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	3	5	8	4	24	8	0	36	6	1	0	0	7	0	133	0	0	133	184
07:15 AM	0	1	1	1	3	1	74	13	0	88	25	0	0	4	29	1	208	1	1	211	331
07:30 AM	0	0	5	1	6	4	66	6	0	76	5	0	0	0	5	0	132	0	0	132	219
07:45 AM	3	0	5	0	8	7	72	6	0	85	4	0	0	0	4	1	87	0	0	88	185
Total	3	1	14	7	25	16	236	33	0	285	40	1	0	4	45	2	560	1	1	564	919
08:00 AM	0	1	4	0	5	6	59	1	0	66	1	1	1	1	4	0	74	0	0	74	149
08:15 AM	3	0	10	1	14	2	53	1	0	56	1	0	0	1	2	0	79	1	0	80	152
08:30 AM	0	1	3	0	4	3	31	2	0	36	5	0	0	0	5	0	110	0	0	110	155
08:45 AM	1	1	1	1	4	3	55	2	0	60	12	0	0	1	13	0	134	0	0	134	211
Total	4	3	18	2	27	14	198	6	0	218	19	1	1	3	24	0	397	1	0	398	667
Grand Total	7	4	32	9	52	30	434	39	0	503	59	2	1	7	69	2	957	2	1	962	1586
Apprch %	13.5	7.7	61.5	17.3		6.0	86.3	7.8	0.0		85.5	2.9	1.4	10.1		0.2	99.5	0.2	0.1		
Total %	0.4	0.3	2.0	0.6	3.3	1.9	27.4	2.5	0.0	31.7	3.7	0.1	0.1	0.4	4.4	0.1	60.3	0.1	0.1	60.7	

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

File Name : MANOR~1
Site Code : 00000000
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: AEC

File Name : MANOR-~1
 Site Code : 00000000
 Start Date : 5/19/2016
 Page No : 3

	Manor Drive From North					Aviation Road From East					Midnight Drive From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:00 AM																				
Volume	3	1	14	7	25	16	236	33	0	285	40	1	0	4	45	2	560	1	1	564	919
Percent	12.0	4.0	56.0	28.0		5.6	82.8	11.6	0.0		88.9	2.2	0.0	8.9		0.4	99.3	0.2	0.2		
07:15																					
Volume	0	1	1	1	3	1	74	13	0	88	25	0	0	4	29	1	208	1	1	211	331
Peak Factor																					0.694
High Int.	07:00 AM					07:15 AM					07:15 AM					07:15 AM					
Volume	0	0	3	5	8	1	74	13	0	88	25	0	0	4	29	1	208	1	1	211	
Peak Factor	0.781					0.810					0.388					0.668					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: AEC

File Name : untitled2
Site Code : 00000000
Start Date : 5/19/2016
Page No : 1

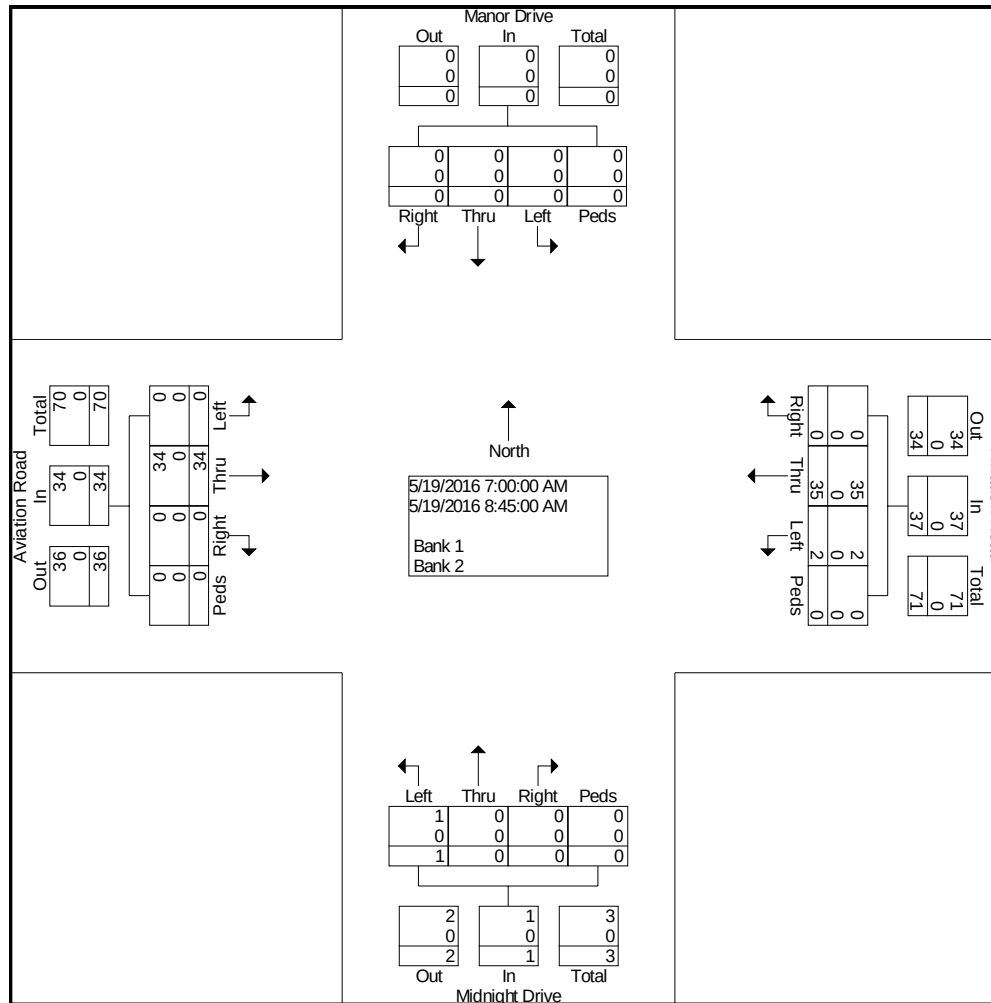
Groups Printed- Bank 1 - Bank 2

	Manor Drive Southbound					Aviation Road Westbound					Midnight Drive Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5	0	0	5	6
07:15 AM	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	3	0	0	3	10
07:30 AM	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	0	1	0	0	1	6
07:45 AM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4	0	0	4	7
Total	0	0	0	0	0	0	15	1	0	16	0	0	0	0	0	0	13	0	0	13	29
08:00 AM	0	0	0	0	0	0	10	0	0	10	0	0	1	0	1	0	5	0	0	5	16
08:15 AM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	9	0	0	9	15
08:30 AM	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	3	0	0	3	7
08:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	5
Total	0	0	0	0	0	0	20	1	0	21	0	0	1	0	1	0	21	0	0	21	43
Grand Total	0	0	0	0	0	0	35	2	0	37	0	0	1	0	1	0	34	0	0	34	72
Apprch %	0.0	0.0	0.0	0.0		0.0	94.6	5.4	0.0		0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	48.6	2.8	0.0	51.4	0.0	0.0	1.4	0.0	1.4	0.0	47.2	0.0	0.0	47.2	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: AEC

File Name : untitled2
Site Code : 00000000
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: AEC

File Name : untitled2
Site Code : 00000000
Start Date : 5/19/2016
Page No : 3

	Manor Drive Southbound					Aviation Road Westbound					Midnight Drive Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	0	0	0	0	0	0	22	1	0	23	0	0	1	0	1	0	21	0	0	21	45
Percent	0.0	0.0	0.0	0.0		0.0	95.7	4.3	0.0		0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0		
08:00 Volume	0	0	0	0	0	0	10	0	0	10	0	0	1	0	1	0	5	0	0	5	16
Peak Factor																					0.703
High Int.	6:45:00 AM					08:00 AM					08:00 AM					08:15 AM					
Volume	0	0	0	0	0	0	10	0	0	10	0	0	1	0	1	0	9	0	0	9	
Peak Factor																					0.583



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	AM Peak Hour		
INTERSECTION	High School West Exit & Aviation Road		

Existing (2016) Peak Hour

Period Starts	High School West Exit Southbound				Aviation Road Eastbound				N/A Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
7:15 AM	52	0	55	107	0	237	0	237	0	0	0	0	0	41	0	41	385
7:30 AM	13	0	22	35	0	146	0	146	0	0	0	0	0	69	0	69	250
7:45 AM	2	0	2	4	0	88	0	88	0	0	0	0	0	74	0	74	166
8:00AM	2	0	1	3	0	79	0	79	0	0	0	0	0	69	0	69	151
TOTAL	69	0	80	149	0	550	0	550	0	0	0	0	0	253	0	253	952
PHF				0.348				0.580				0.000				0.855	0.618
Percent HV (%)				1.342				2.545				0.000				9.486	4.202

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Sunny
Collected by: TMS

File Name : PARKIN~1
Site Code : 12345678
Start Date : 5/19/2016
Page No : 1

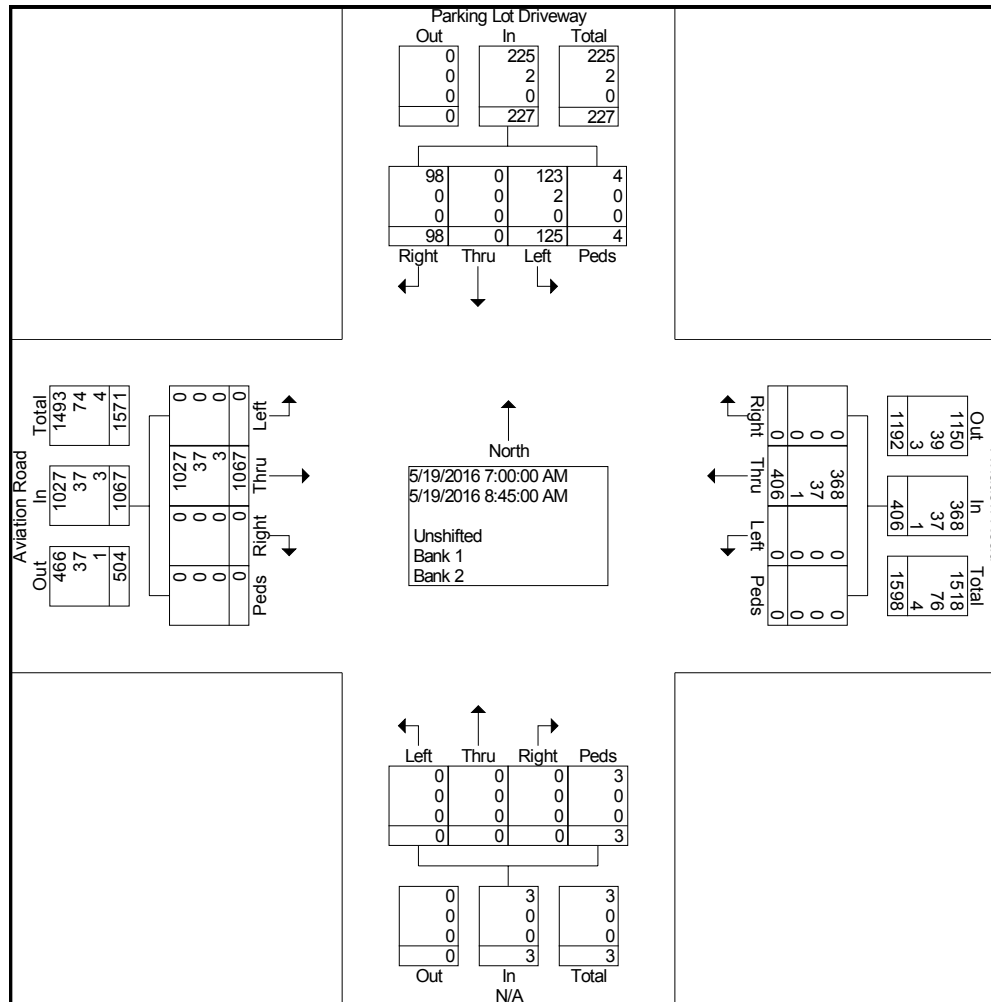
Groups Printed- Unshifted - Bank 1 - Bank 2

	Parking Lot Driveway From North					Aviation Road From East					N/A From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	18	0	29	0	47	0	20	0	0	20	0	0	0	0	0	0	151	0	0	151	218
07:15 AM	52	0	55	1	108	0	41	0	0	41	0	0	0	2	2	0	237	0	0	237	388
07:30 AM	13	0	22	1	36	0	69	0	0	69	0	0	0	0	0	0	146	0	0	146	251
07:45 AM	2	0	2	0	4	0	74	0	0	74	0	0	0	0	0	0	88	0	0	88	166
Total	85	0	108	2	195	0	204	0	0	204	0	0	0	2	2	0	622	0	0	622	1023
08:00 AM	2	0	1	0	3	0	69	0	0	69	0	0	0	1	1	0	79	0	0	79	152
08:15 AM	1	0	3	2	6	0	49	0	0	49	0	0	0	0	0	0	94	0	0	94	149
08:30 AM	3	0	3	0	6	0	38	0	0	38	0	0	0	0	0	0	120	0	0	120	164
08:45 AM	7	0	10	0	17	0	46	0	0	46	0	0	0	0	0	0	152	0	0	152	215
Total	13	0	17	2	32	0	202	0	0	202	0	0	0	1	1	0	445	0	0	445	680
Grand Total	98	0	125	4	227	0	406	0	0	406	0	0	0	3	3	0	1067	0	0	1067	1703
Apprch %	43.2	0.0	55.1	1.8		0.0	100.0	0.0	0.0		0.0	0.0	0.0	100.0		0.0	100.0	0.0	0.0		
Total %	5.8	0.0	7.3	0.2	13.3	0.0	23.8	0.0	0.0	23.8	0.0	0.0	0.0	0.2	0.2	0.0	62.7	0.0	0.0	62.7	

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: TMS

File Name : PARKIN~1
 Site Code : 12345678
 Start Date : 5/19/2016
 Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: TMS

File Name : PARKIN~1
 Site Code : 12345678
 Start Date : 5/19/2016
 Page No : 3

	Parking Lot Driveway From North					Aviation Road From East					N/A From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:00 AM																				
Volume	85	0	108	2	195	0	204	0	0	204	0	0	0	2	2	0	622	0	0	622	1023
Percent	43.6	0.0	55.4	1.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	100.0		0.0	100.0	0.0	0.0		
07:15 Volume	52	0	55	1	108	0	41	0	0	41	0	0	0	2	2	0	237	0	0	237	388
Peak Factor																					0.659
High Int.	07:15 AM					07:45 AM					07:15 AM					07:15 AM					
Volume	52	0	55	1	108	0	74	0	0	74	0	0	0	2	2	0	237	0	0	237	
Peak Factor	0.451					0.689					0.250					0.656					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: TMS

File Name : Parking Lot & Aviation Road AM
Site Code : 12345678
Start Date : 5/19/2016
Page No : 1

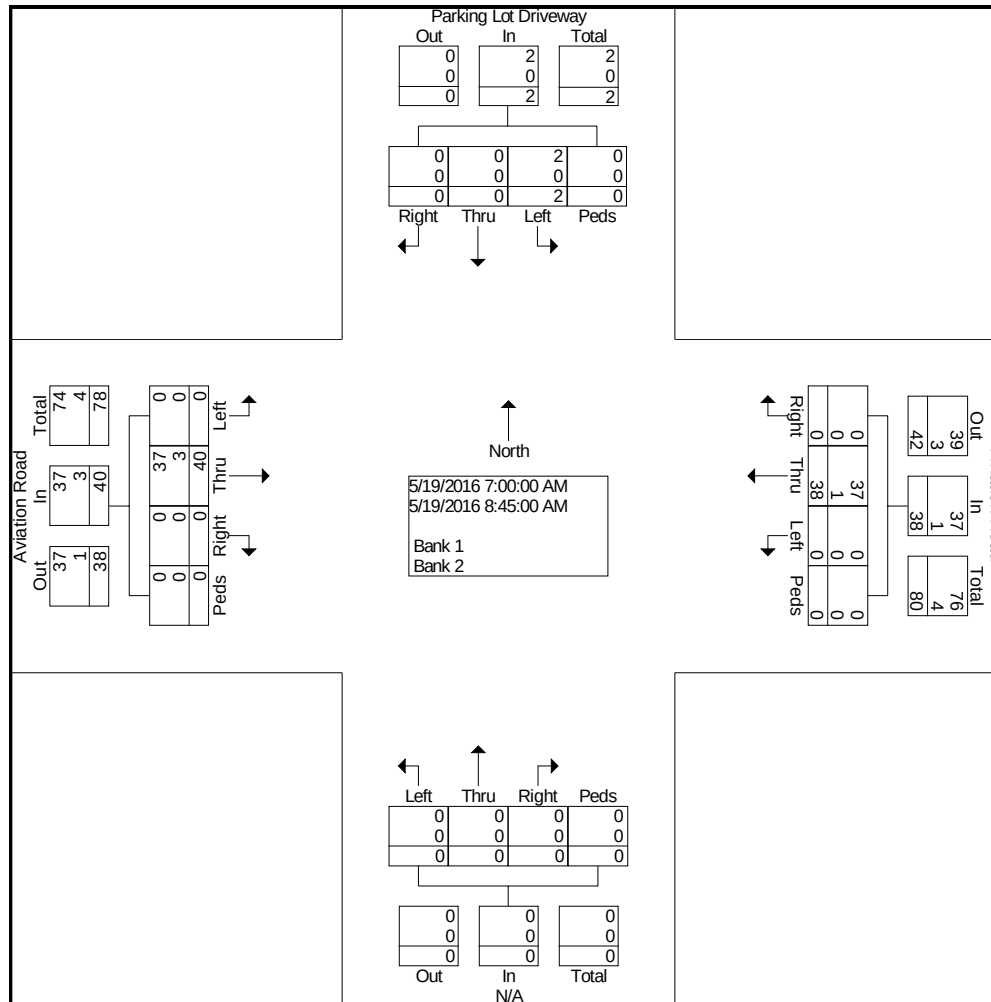
Groups Printed- Bank 1 - Bank 2

	Parking Lot Driveway Southbound					Aviation Road Westbound					N/A Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5	0	0	5	6
07:15 AM	0	0	2	0	2	0	7	0	0	7	0	0	0	0	0	0	2	0	0	2	11
07:30 AM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	5
07:45 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4	0	0	4	6
Total	0	0	2	0	2	0	14	0	0	14	0	0	0	0	0	0	12	0	0	12	28
08:00 AM	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	7	0	0	7	18
08:15 AM	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	10	0	0	10	18
08:30 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	4	0	0	4	9
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	7	7
Total	0	0	0	0	0	0	24	0	0	24	0	0	0	0	0	0	28	0	0	28	52
Grand Total	0	0	2	0	2	0	38	0	0	38	0	0	0	0	0	0	40	0	0	40	80
Apprch %	0.0	0.0	100. 0	0.0		0.0	100. 0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100. 0	0.0	0.0		
Total %	0.0	0.0	2.5	0.0	2.5	0.0	47.5	0.0	0.0	47.5	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	50.0	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: TMS

File Name : Parking Lot & Aviation Road AM
Site Code : 12345678
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: TMS

File Name : Parking Lot & Aviation Road AM
Site Code : 12345678
Start Date : 5/19/2016
Page No : 3

	Parking Lot Driveway Southbound					Aviation Road Westbound					N/A Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	08:00 AM																				
Volume	0	0	0	0	0	0	24	0	0	24	0	0	0	0	0	0	28	0	0	28	52
Percent	0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
08:15																					
Volume	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	10	0	0	10	18
Peak Factor																					0.722
High Int.	6:45:00 AM					08:00 AM					6:45:00 AM					08:15 AM					
Volume	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	10	0	0	10	
Peak Factor																					0.700



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	AM Peak Hour		
INTERSECTION	Prospect Drive & Aviation Road		

Existing (2016) Peak Hour

	N/A				Aviation Road Eastbound				Prospect Drive Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
Period Starts																	
7:15 AM	0	0	0	0	0	290	0	290	0	0	9	9	0	51	0	51	350
7:30 AM	0	0	0	0	0	159	1	160	0	0	7	7	1	66	0	67	234
7:45 AM	0	0	0	0	0	75	3	78	0	0	4	4	1	71	0	72	154
8:00AM	0	0	0	0	0	91	0	91	1	0	3	4	4	62	0	66	161
TOTAL	0	0	0	0	0	615	4	619	1	0	23	24	6	250	0	256	899
PHF				0.000				0.534				0.667				0.889	0.642
Percent HV (%)				0.000				2.100				4.167				8.984	4.116

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Sunny
Collected by: KEC

File Name : PROSPE~1
Site Code : 16161664
Start Date : 5/19/2016
Page No : 1

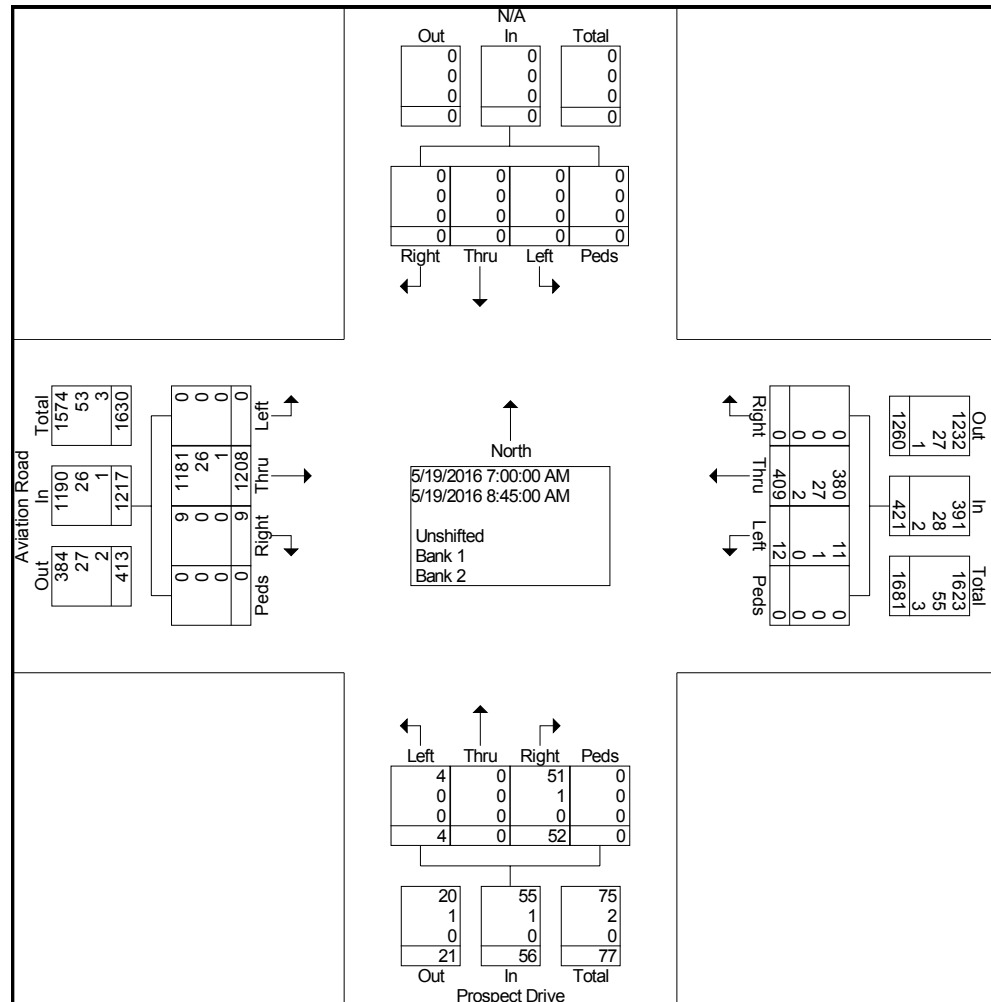
Groups Printed- Unshifted - Bank 1 - Bank 2

	N/A From North					Aviation Road From East					Prospect Drive From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	0	0	0	21	1	0	22	14	0	0	0	14	3	206	0	0	209	245
07:15 AM	0	0	0	0	0	0	51	0	0	51	9	0	0	0	9	0	290	0	0	290	350
07:30 AM	0	0	0	0	0	0	66	1	0	67	7	0	0	0	7	1	159	0	0	160	234
07:45 AM	0	0	0	0	0	0	71	1	0	72	4	0	0	0	4	3	75	0	0	78	154
Total	0	0	0	0	0	0	209	3	0	212	34	0	0	0	34	7	730	0	0	737	983
08:00 AM	0	0	0	0	0	0	62	4	0	66	3	0	1	0	4	0	91	0	0	91	161
08:15 AM	0	0	0	0	0	0	47	2	0	49	0	0	0	0	0	0	87	0	0	87	136
08:30 AM	0	0	0	0	0	0	35	2	0	37	5	0	2	0	7	1	143	0	0	144	188
08:45 AM	0	0	0	0	0	0	56	1	0	57	10	0	1	0	11	1	157	0	0	158	226
Total	0	0	0	0	0	0	200	9	0	209	18	0	4	0	22	2	478	0	0	480	711
Grand Total	0	0	0	0	0	0	409	12	0	421	52	0	4	0	56	9	1208	0	0	1217	1694
Apprch %	0.0	0.0	0.0	0.0		0.0	97.1	2.9	0.0		92.9	0.0	7.1	0.0		0.7	99.3	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	24.1	0.7	0.0	24.9	3.1	0.0	0.2	0.0	3.3	0.5	71.3	0.0	0.0	71.8	

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: KEC

File Name : PROSPE~1
 Site Code : 16161664
 Start Date : 5/19/2016
 Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: KEC

File Name : PROSPE~1
 Site Code : 16161664
 Start Date : 5/19/2016
 Page No : 3

	N/A From North					Aviation Road From East					Prospect Drive From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:00 AM																				
Volume	0	0	0	0	0	0	209	3	0	212	34	0	0	0	34	7	730	0	0	737	983
Percent	0.0	0.0	0.0	0.0		0.0	98.6	1.4	0.0		100.0	0.0	0.0	0.0		0.9	99.1	0.0	0.0		
07:15																					
Volume	0	0	0	0	0	0	51	0	0	51	9	0	0	0	9	0	290	0	0	290	350
Peak Factor																					0.702
High Int.	6:45:00 AM					07:45 AM					07:00 AM					07:15 AM					
Volume	0	0	0	0	0	0	71	1	0	72	14	0	0	0	14	0	290	0	0	290	
Peak Factor																					0.635

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: KEC

File Name : untitled2
Site Code : 16161664
Start Date : 5/19/2016
Page No : 1

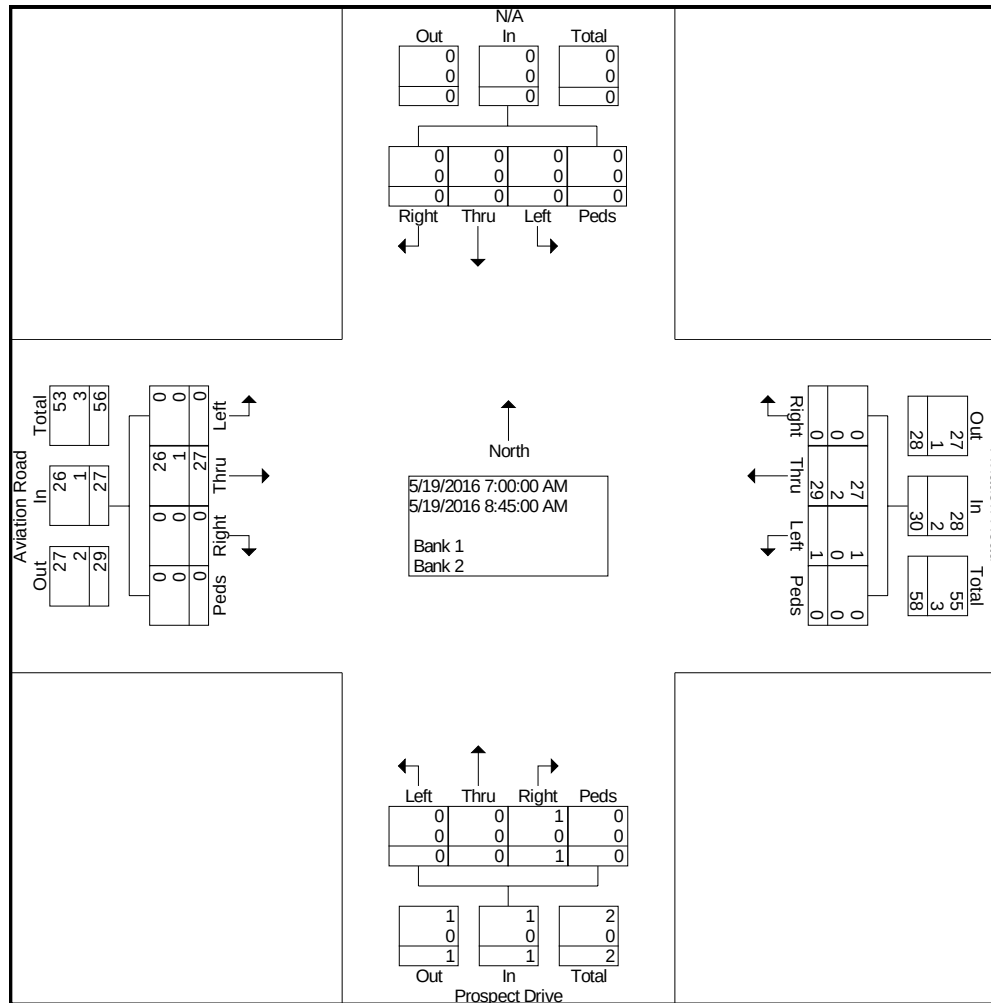
Groups Printed- Bank 1 - Bank 2

	N/A Southbound					Aviation Road Westbound					Prospect Drive Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3	0	0	3	4
07:15 AM	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	4	0	0	4	13
07:30 AM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
07:45 AM	0	0	0	0	0	0	4	0	0	4	1	0	0	0	1	0	4	0	0	4	9
Total	0	0	0	0	0	0	16	0	0	16	1	0	0	0	1	0	12	0	0	12	29
08:00 AM	0	0	0	0	0	0	7	1	0	8	0	0	0	0	0	0	4	0	0	4	12
08:15 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	3	0	0	3	8
08:30 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	6	0	0	6	7
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
Total	0	0	0	0	0	0	13	1	0	14	0	0	0	0	0	0	15	0	0	15	29
Grand Total	0	0	0	0	0	0	29	1	0	30	1	0	0	0	1	0	27	0	0	27	58
Apprch %	0.0	0.0	0.0	0.0		0.0	96.7	3.3	0.0		100. 0	0.0	0.0	0.0		0.0	100. 0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	50.0	1.7	0.0	51.7	1.7	0.0	0.0	0.0	1.7	0.0	46.6	0.0	0.0	46.6	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: KEC

File Name : untitled2
Site Code : 16161664
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: KEC

File Name : untitled2
Site Code : 16161664
Start Date : 5/19/2016
Page No : 3

	N/A Southbound					Aviation Road Westbound					Prospect Drive Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:15 AM																				
Volume	0	0	0	0	0	0	22	1	0	23	1	0	0	0	1	0	13	0	0	13	37
Percent	0.0	0.0	0.0	0.0		0.0	95.7	4.3	0.0		100.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
07:15 Volume	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	4	0	0	4	13
Peak Factor																					0.712
High Int.	6:45:00 AM					07:15 AM					07:45 AM					07:15 AM					
Volume	0	0	0	0	0	0	9	0	0	9	1	0	0	0	1	0	4	0	0	4	
Peak Factor																					0.813



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/13/16
SUBJECT	AM Peak Hour		
INTERSECTION	Aviation Rd, Cottage Hill Rd, School Driveway		

Existing (2016) Peak Hour

Period Starts	School Driveway Southbound				Aviation Road Eastbound				Cottage Hill Road Northbound				Avation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
7:15 AM	0	0	0	0	133	146	0	279	0	2	18	20	10	44	115	169	468
7:30 AM	0	0	0	0	2	134	2	138	0	0	22	22	5	63	7	75	235
7:45 AM	0	0	0	0	2	82	2	86	0	0	21	21	8	62	1	71	178
8:00AM	0	0	0	0	0	94	1	95	0	0	8	8	16	52	5	73	176
TOTAL	0	0	0	0	137	456	5	598	0	2	69	71	39	221	128	388	1057
PHF				0.000				0.536				0.807				0.574	0.565
Percent HV (%)				0.000				3.177				8.451				5.155	4.257

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Sunny
Collected by: IB

File Name : COTTAG~1
Site Code : 11111111
Start Date : 5/19/2016
Page No : 1

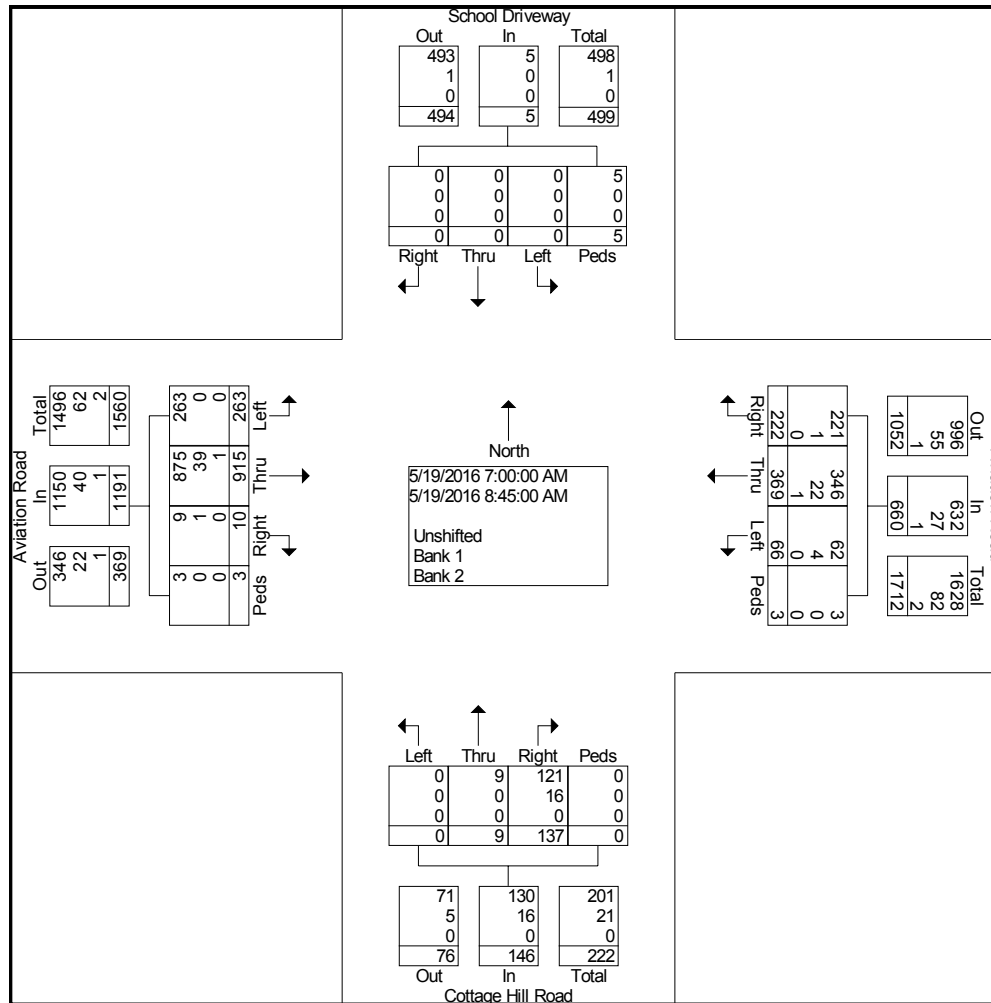
Groups Printed- Unshifted - Bank 1 - Bank 2

	School Driveway From North					Aviation Road From East					Cottage Hill Road From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	0	0	75	20	1	1	97	16	5	0	0	21	3	110	92	1	206	324
07:15 AM	0	0	0	1	1	115	44	10	0	169	18	2	0	0	20	0	146	133	2	281	471
07:30 AM	0	0	0	1	1	7	63	5	0	75	22	0	0	0	22	0	134	2	0	136	234
07:45 AM	0	0	0	0	0	1	62	8	0	71	21	0	0	0	21	1	82	2	0	85	177
Total	0	0	0	2	2	198	189	24	1	412	77	7	0	0	84	4	472	229	3	708	1206
08:00 AM	0	0	0	1	1	5	52	16	1	74	8	0	0	0	8	1	94	0	0	95	178
08:15 AM	0	0	0	2	2	2	46	7	1	56	19	0	0	0	19	3	80	1	0	84	161
08:30 AM	0	0	0	0	0	4	34	3	0	41	17	1	0	0	18	0	134	6	0	140	199
08:45 AM	0	0	0	0	0	13	48	16	0	77	16	1	0	0	17	2	135	27	0	164	258
Total	0	0	0	3	3	24	180	42	2	248	60	2	0	0	62	6	443	34	0	483	796
Grand Total	0	0	0	5	5	222	369	66	3	660	137	9	0	0	146	10	915	263	3	1191	2002
Apprch %	0.0	0.0	0.0	100. 0		33.6	55.9	10.0	0.5		93.8	6.2	0.0	0.0		0.8	76.8	22.1	0.3		
Total %	0.0	0.0	0.0	0.2	0.2	11.1	18.4	3.3	0.1	33.0	6.8	0.4	0.0	0.0	7.3	0.5	45.7	13.1	0.1	59.5	

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: IB

File Name : COTTAG~1
 Site Code : 11111111
 Start Date : 5/19/2016
 Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: IB

File Name : COTTAG~1
 Site Code : 11111111
 Start Date : 5/19/2016
 Page No : 3

	School Driveway From North					Aviation Road From East					Cottage Hill Road From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:00 AM																				
Volume	0	0	0	2	2	198	189	24	1	412	77	7	0	0	84	4	472	229	3	708	1206
Percent	0.0	0.0	0.0	100.0		48.1	45.9	5.8	0.2		91.7	8.3	0.0	0.0		0.6	66.7	32.3	0.4		
07:15 Volume	0	0	0	1	1	115	44	10	0	169	18	2	0	0	20	0	146	133	2	281	471
Peak Factor																					0.640
High Int.	07:15 AM					07:15 AM					07:30 AM					07:15 AM					
Volume	0	0	0	1	1	115	44	10	0	169	22	0	0	0	22	0	146	133	2	281	
Peak Factor	0.500					0.609					0.955					0.630					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: IB

File Name : untitled2
Site Code : 11111111
Start Date : 5/19/2016
Page No : 1

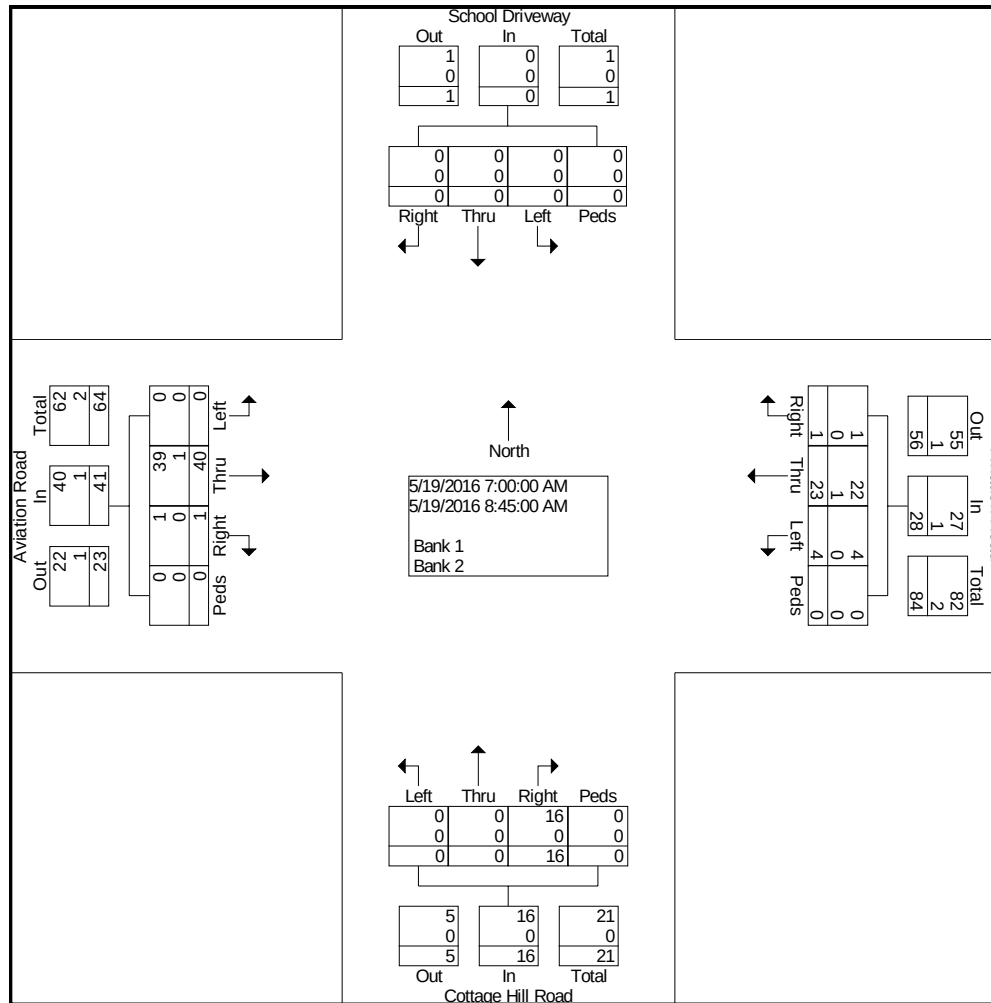
Groups Printed- Bank 1 - Bank 2

	School Driveway Southbound					Aviation Road Westbound					Cottage Hill Road Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	0	0	0	1	0	0	1	5	0	0	0	5	0	6	0	0	6	12
07:15 AM	0	0	0	0	0	1	2	2	0	5	0	0	0	0	0	0	4	0	0	4	9
07:30 AM	0	0	0	0	0	0	4	0	0	4	2	0	0	0	2	0	1	0	0	1	7
07:45 AM	0	0	0	0	0	0	6	0	0	6	4	0	0	0	4	0	4	0	0	4	14
Total	0	0	0	0	0	1	13	2	0	16	11	0	0	0	11	0	15	0	0	15	42
08:00 AM	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	10	0	0	10	15
08:15 AM	0	0	0	0	0	0	3	2	0	5	0	0	0	0	0	0	5	0	0	5	10
08:30 AM	0	0	0	0	0	0	2	0	0	2	3	0	0	0	3	0	8	0	0	8	13
08:45 AM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	1	2	0	0	3	5
Total	0	0	0	0	0	0	10	2	0	12	5	0	0	0	5	1	25	0	0	26	43
Grand Total	0	0	0	0	0	1	23	4	0	28	16	0	0	0	16	1	40	0	0	41	85
Apprch %	0.0	0.0	0.0	0.0		3.6	82.1	14.3	0.0		100.0	0.0	0.0	0.0		2.4	97.6	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	1.2	27.1	4.7	0.0	32.9	18.8	0.0	0.0	0.0	18.8	1.2	47.1	0.0	0.0	48.2	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: IB

File Name : untitled2
Site Code : 11111111
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: IB

File Name : untitled2
Site Code : 11111111
Start Date : 5/19/2016
Page No : 3

	School Driveway Southbound					Aviation Road Westbound					Cottage Hill Road Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	0	0	0	0	0	0	16	2	0	18	7	0	0	0	7	0	27	0	0	27	52
Percent	0.0	0.0	0.0	0.0		0.0	88.9	11.1	0.0		100. 0	0.0	0.0	0.0		0.0	100. 0	0.0	0.0		
08:00 Volume	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	10	0	0	10	15
Peak Factor																					0.867
High Int.	6:45:00 AM					07:45 AM					07:45 AM					08:00 AM					
Volume	0	0	0	0	0	0	6	0	0	6	4	0	0	0	4	0	10	0	0	10	
Peak Factor																					0.675



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

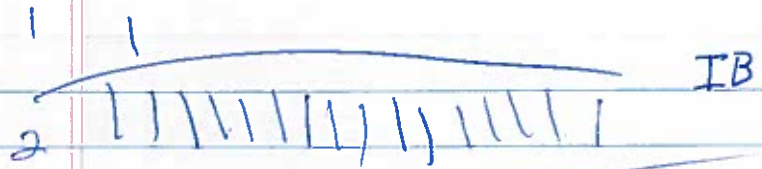
JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	AM Peak Hour		
INTERSECTION	School Exit RH TURN ONLY & Aviation Road		

Existing (2016) Peak Hour

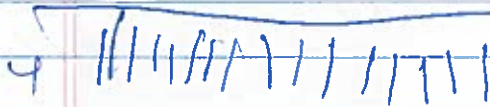
Period Starts	School Exit Southbound				Aviation Road Eastbound				N/A Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
7:15 AM	0	0	16	16	0	0	0	0	0	0	0	0	0	0	0	0	16
7:30 AM	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	3
7:45 AM	0	0	16	16	0	0	0	0	0	0	0	0	0	0	0	0	16
8:00AM	0	0	24	24	1	0	0	1	0	0	0	0	0	0	0	0	25
TOTAL	0	0	59	59	1	0	0	1	0	0	0	0	0	0	0	0	60
PHF				0.615				0.250				0.000				0.000	0.600
Percent HV (%)				0.000				0.000				0.000				0.000	0.000

Thursday 5/19/16

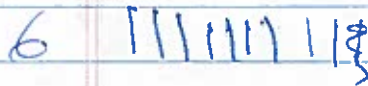
7-9

1 1
2  IB

3 |||

4 

5 

6 

7 ||

8 



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/13/16
SUBJECT	AM Peak Hour		
INTERSECTION	School Main Ent, Church, and Aviation Road		

Existing (2016) Peak Hour

Period Starts	School Main Entrance Southbound				Aviation Road Eastbound				Church Driveway Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
7:15 AM	34	0	10	44	68	101	1	170	0	0	0	0	0	141	65	206	420
7:30 AM	45	0	21	66	61	104	1	166	0	0	0	0	0	66	80	146	378
7:45 AM	48	0	18	66	64	41	2	107	0	3	0	3	0	47	150	197	373
8:00AM	97	0	19	116	46	57	0	103	0	0	0	0	0	45	74	119	338
TOTAL	224	0	68	292	239	303	4	546	0	3	0	3	0	299	369	668	1509
PHF				0.629				0.803				0.250				0.811	0.898
Percent HV (%)				7.192				4.212				0.000				4.341	4.838

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Sunny
Collected by: CMH

File Name : 007(A4~E
Site Code : 11111111
Start Date : 5/19/2016
Page No : 1

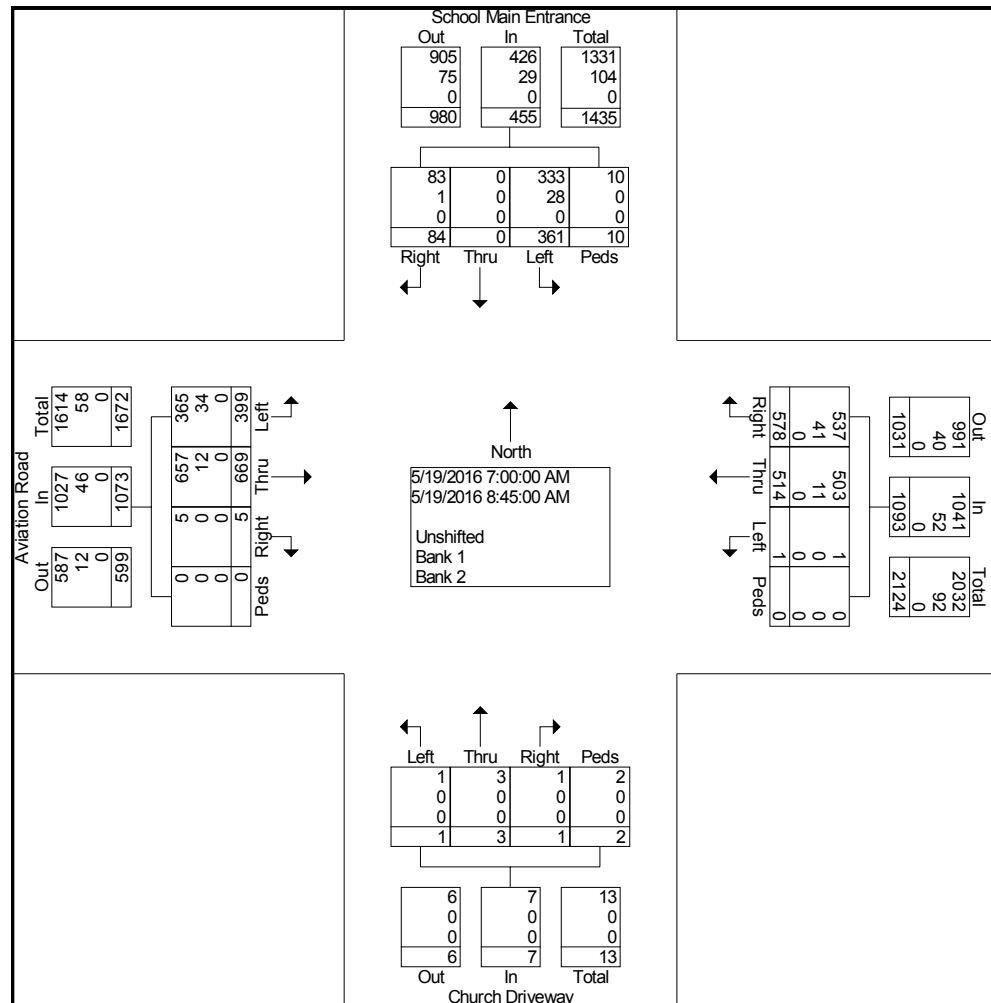
Groups Printed- Unshifted - Bank 1 - Bank 2

	School Main Entrance From North					Aviation Road From East					Church Driveway From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	4	0	12	1	17	52	78	0	0	130	0	0	0	0	0	0	88	21	0	109	256
07:15 AM	10	0	34	2	46	65	141	0	0	206	0	0	0	2	2	1	103	72	0	176	430
07:30 AM	21	0	45	3	69	80	66	0	0	146	0	0	0	0	0	1	104	62	0	167	382
07:45 AM	18	0	48	0	66	150	47	0	0	197	0	3	0	0	3	2	41	73	0	116	382
Total	53	0	139	6	198	347	332	0	0	679	0	3	0	2	5	4	336	228	0	568	1450
08:00 AM	19	0	97	1	117	74	45	0	0	119	0	0	0	0	0	0	62	48	0	110	346
08:15 AM	3	0	25	3	31	36	50	1	0	87	1	0	0	0	1	0	77	35	0	112	231
08:30 AM	4	0	17	0	21	49	35	0	0	84	0	0	1	0	1	0	80	40	0	120	226
08:45 AM	5	0	83	0	88	72	52	0	0	124	0	0	0	0	0	1	114	48	0	163	375
Total	31	0	222	4	257	231	182	1	0	414	1	0	1	0	2	1	333	171	0	505	1178
Grand Total	84	0	361	10	455	578	514	1	0	1093	1	3	1	2	7	5	669	399	0	1073	2628
Apprch %	18.5	0.0	79.3	2.2		52.9	47.0	0.1	0.0		14.3	42.9	14.3	28.6		0.5	62.3	37.2	0.0		
Total %	3.2	0.0	13.7	0.4	17.3	22.0	19.6	0.0	0.0	41.6	0.0	0.1	0.0	0.1	0.3	0.2	25.5	15.2	0.0	40.8	

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: CMH

File Name : 007(A4~E)
 Site Code : 11111111
 Start Date : 5/19/2016
 Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: CMH

File Name : 007(A4~E
 Site Code : 11111111
 Start Date : 5/19/2016
 Page No : 3

	School Main Entrance From North					Aviation Road From East					Church Driveway From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:15 AM																				
Volume	68	0	224	6	298	369	299	0	0	668	0	3	0	2	5	4	310	255	0	569	1540
Percent	22.8	0.0	75.2	2.0		55.2	44.8	0.0	0.0		0.0	60.0	0.0	40.0		0.7	54.5	44.8	0.0		
07:15																					
Volume	10	0	34	2	46	65	141	0	0	206	0	0	0	2	2	1	103	72	0	176	430
Peak Factor																					0.895
High Int.	08:00 AM					07:15 AM					07:45 AM					07:15 AM					
Volume	19	0	97	1	117	65	141	0	0	206	0	3	0	0	3	1	103	72	0	176	
Peak Factor	0.637					0.811					0.417					0.808					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200

Weather: Sunny
Collected by: CMH

Albany NY, 12205

File Name : Site 1-Main Entrance 5-19-16 7am

Site Code : 11111111

Start Date : 5/19/2016

Page No : 1

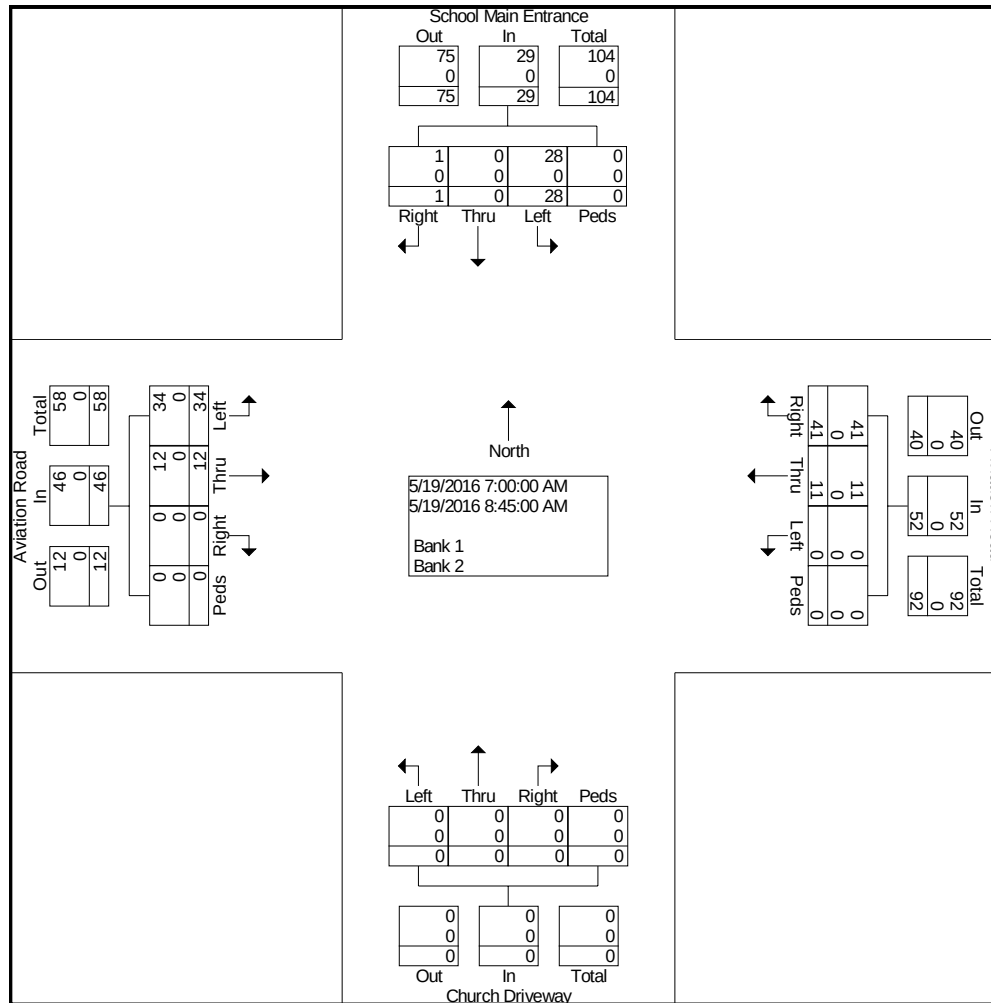
Groups Printed- Bank 1 - Bank 2

	School Main Entrance Southbound					Aviation Road Westbound					Church Driveway Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	4	0	4	7	0	0	0	7	0	0	0	0	0	0	1	8	0	9	20
07:15 AM	0	0	11	0	11	2	1	0	0	3	0	0	0	0	0	0	2	4	0	6	20
07:30 AM	0	0	4	0	4	1	3	0	0	4	0	0	0	0	0	0	0	1	0	1	9
07:45 AM	0	0	0	0	0	15	2	0	0	17	0	0	0	0	0	0	0	9	0	9	26
Total	0	0	19	0	19	25	6	0	0	31	0	0	0	0	0	0	3	22	0	25	75
08:00 AM	1	0	5	0	6	1	4	0	0	5	0	0	0	0	0	0	5	2	0	7	18
08:15 AM	0	0	4	0	4	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	8
08:30 AM	0	0	0	0	0	4	1	0	0	5	0	0	0	0	0	0	0	6	0	6	11
08:45 AM	0	0	0	0	0	11	0	0	0	11	0	0	0	0	0	0	1	3	0	4	15
Total	1	0	9	0	10	16	5	0	0	21	0	0	0	0	0	0	9	12	0	21	52
Grand Total	1	0	28	0	29	41	11	0	0	52	0	0	0	0	0	0	12	34	0	46	127
Apprch %	3.4	0.0	96.6	0.0		78.8	21.2	0.0	0.0		0.0	0.0	0.0	0.0		0.0	26.1	73.9	0.0		
Total %	0.8	0.0	22.0	0.0	22.8	32.3	8.7	0.0	0.0	40.9	0.0	0.0	0.0	0.0	0.0	0.0	9.4	26.8	0.0	36.2	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: CMH

File Name : Site 1-Main Entrance 5-19-16 7am
Site Code : 11111111
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200

Weather: Sunny
Collected by: CMH

Albany NY, 12205

File Name : Site 1-Main Entrance 5-19-16 7am
Site Code : 11111111
Start Date : 5/19/2016
Page No : 3

	School Main Entrance Southbound					Aviation Road Westbound					Church Driveway Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:00 AM																				
Volume	0	0	19	0	19	25	6	0	0	31	0	0	0	0	0	0	3	22	0	25	75
Percent	0.0	0.0	100.0	0.0		80.6	19.4	0.0	0.0		0.0	0.0	0.0	0.0		0.0	12.0	88.0	0.0		
07:45																					
Volume	0	0	0	0	0	15	2	0	0	17	0	0	0	0	0	0	0	9	0	9	26
Peak Factor																					0.721
High Int.	07:15 AM					07:45 AM					6:45:00 AM					07:00 AM					
Volume	0	0	11	0	11	15	2	0	0	17	0	0	0	0	0	0	1	8	0	9	
Peak Factor	0.432					0.456										0.694					



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/13/16
SUBJECT	AM Peak Hour		
INTERSECTION	Avation Drive, Burke Drive		

Existing (2016) Peak Hour

Period Starts	N/A				Avation Drive Eastbound				Burke Road Northbound				Avation Drive Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
7:15 AM	0	0	0	0	0	127	13	140	11	0	27	38	18	198	0	216	394
7:30 AM	0	0	0	0	0	140	12	152	10	0	43	53	18	130	0	148	353
7:45 AM	0	0	0	0	0	86	5	91	25	0	46	71	20	180	0	200	362
8:00AM	0	0	0	0	0	140	13	153	9	0	40	49	21	97	0	118	320
TOTAL	0	0	0	0	0	493	43	536	55	0	156	211	77	605	0	682	1429
PHF				0.000				0.876				0.743				0.789	0.907
Percent HV (%)				0.000				5.037				2.370				6.012	5.108

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Sunny
Collected by: RJM

File Name : BURKED~1
Site Code : 00002222
Start Date : 5/19/2016
Page No : 1

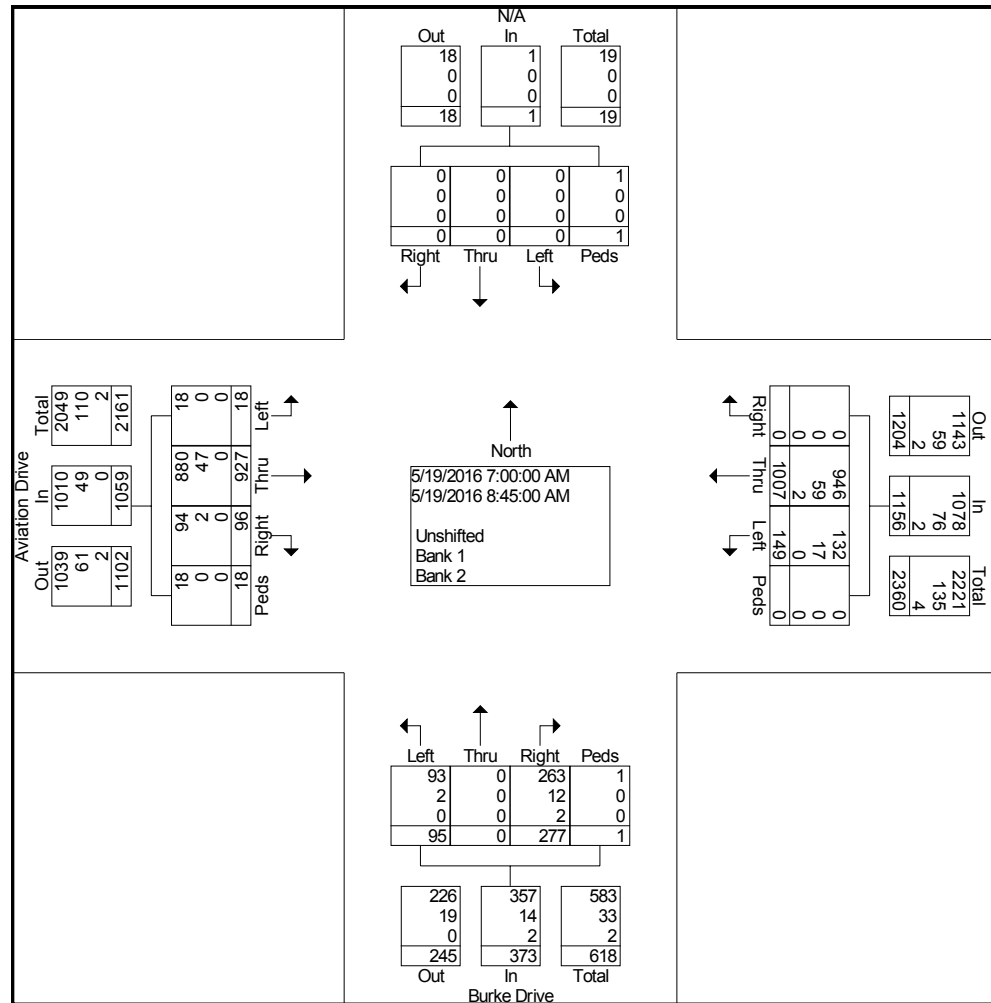
Groups Printed- Unshifted - Bank 1 - Bank 2

	N/A From North					Aviation Drive From East					Burke Drive From South					Aviation Drive From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	1	1	0	134	16	0	150	34	0	10	1	45	8	95	0	2	105	301
07:15 AM	0	0	0	0	0	0	198	18	0	216	27	0	11	0	38	13	127	0	4	144	398
07:30 AM	0	0	0	0	0	0	130	18	0	148	43	0	10	0	53	12	123	17	6	158	359
07:45 AM	0	0	0	0	0	0	180	20	0	200	46	0	25	0	71	5	85	1	4	95	366
Total	0	0	0	1	1	0	642	72	0	714	150	0	56	1	207	38	430	18	16	502	1424
08:00 AM	0	0	0	0	0	0	97	21	0	118	40	0	9	0	49	13	140	0	2	155	322
08:15 AM	0	0	0	0	0	0	76	21	0	97	31	0	5	0	36	11	98	0	0	109	242
08:30 AM	0	0	0	0	0	0	87	18	0	105	27	0	14	0	41	8	95	0	0	103	249
08:45 AM	0	0	0	0	0	0	105	17	0	122	29	0	11	0	40	26	164	0	0	190	352
Total	0	0	0	0	0	0	365	77	0	442	127	0	39	0	166	58	497	0	2	557	1165
Grand Total	0	0	0	1	1	0	1007	149	0	1156	277	0	95	1	373	96	927	18	18	1059	2589
Apprch %	0.0	0.0	0.0	100. 0		0.0	87.1	12.9	0.0		74.3	0.0	25.5	0.3		9.1	87.5	1.7	1.7		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	38.9	5.8	0.0	44.7	10.7	0.0	3.7	0.0	14.4	3.7	35.8	0.7	0.7	40.9	

Weather: Sunny
Collected by: RJM

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

File Name : BURKED~1
Site Code : 00002222
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: RJM

File Name : BURKED~1
 Site Code : 00002222
 Start Date : 5/19/2016
 Page No : 3

	N/A From North					Aviation Drive From East					Burke Drive From South					Aviation Drive From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:15 AM																				
Volume	0	0	0	0	0	0	605	77	0	682	156	0	55	0	211	43	475	18	16	552	1445
Percent	0.0	0.0	0.0	0.0		0.0	88.7	11.3	0.0		73.9	0.0	26.1	0.0		7.8	86.1	3.3	2.9		
07:15																					
Volume	0	0	0	0	0	0	198	18	0	216	27	0	11	0	38	13	127	0	4	144	398
Peak Factor																					0.908
High Int.	6:45:00 AM					07:15 AM					07:45 AM					07:30 AM					
Volume	0	0	0	0	0	0	198	18	0	216	46	0	25	0	71	12	123	17	6	158	
Peak Factor											0.789					0.743					0.873

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: RJM

File Name : untitled2
Site Code : 00002222
Start Date : 5/19/2016
Page No : 1

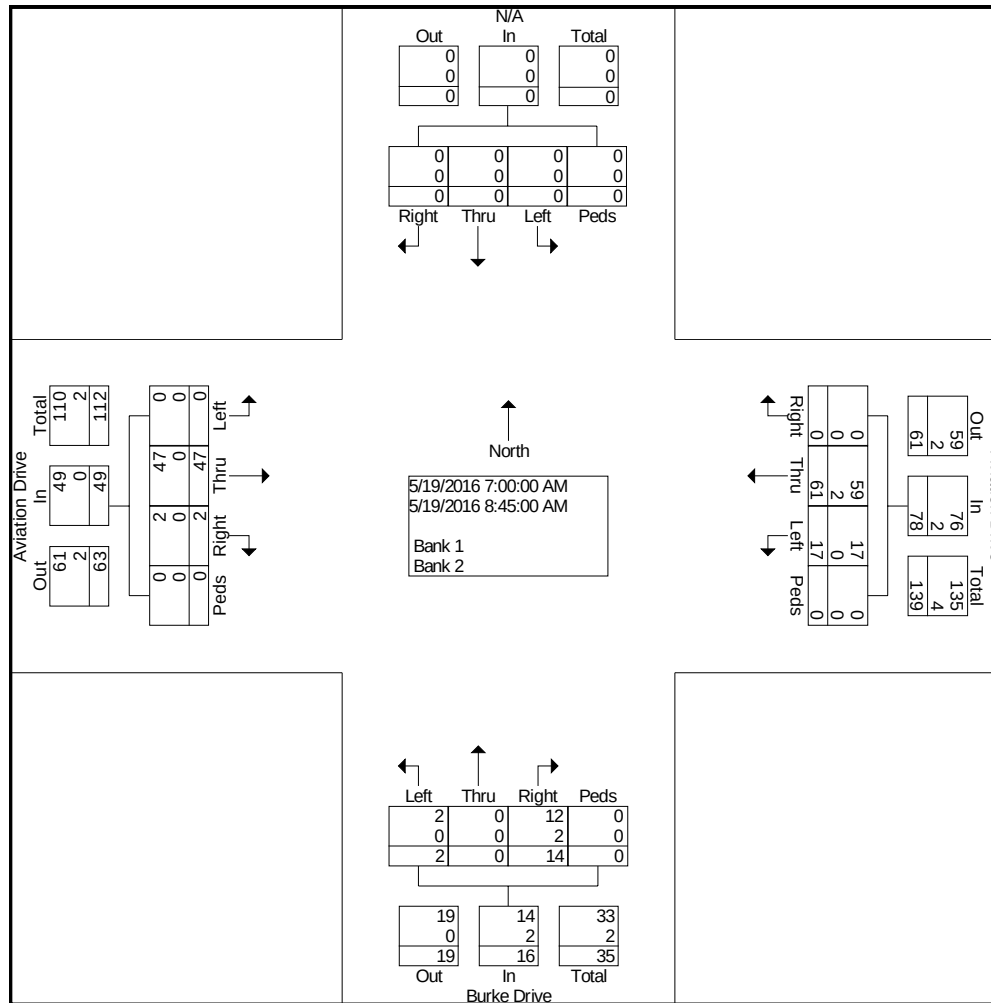
Groups Printed- Bank 1 - Bank 2

	N/A Southbound					Aviation Drive Westbound					Burke Drive Northbound					Aviation Drive Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	0	0	0	9	1	0	10	6	0	0	0	6	0	5	0	0	5	21
07:15 AM	0	0	0	0	0	0	2	3	0	5	1	0	0	0	1	0	13	0	0	13	19
07:30 AM	0	0	0	0	0	0	5	2	0	7	2	0	0	0	2	0	4	0	0	4	13
07:45 AM	0	0	0	0	0	0	20	2	0	22	0	0	1	0	1	0	0	0	0	0	23
Total	0	0	0	0	0	0	36	8	0	44	9	0	1	0	10	0	22	0	0	22	76
08:00 AM	0	0	0	0	0	0	6	1	0	7	1	0	0	0	1	1	9	0	0	10	18
08:15 AM	0	0	0	0	0	0	1	3	0	4	0	0	0	0	0	1	12	0	0	13	17
08:30 AM	0	0	0	0	0	0	9	2	0	11	2	0	1	0	3	0	0	0	0	0	14
08:45 AM	0	0	0	0	0	0	9	3	0	12	2	0	0	0	2	0	4	0	0	4	18
Total	0	0	0	0	0	0	25	9	0	34	5	0	1	0	6	2	25	0	0	27	67
Grand Total	0	0	0	0	0	0	61	17	0	78	14	0	2	0	16	2	47	0	0	49	143
Apprch %	0.0	0.0	0.0	0.0		0.0	78.2	21.8	0.0		87.5	0.0	12.5	0.0		4.1	95.9	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	42.7	11.9	0.0	54.5	9.8	0.0	1.4	0.0	11.2	1.4	32.9	0.0	0.0	34.3	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: RJM

File Name : untitled2
Site Code : 00002222
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: RJM

File Name : untitled2
Site Code : 00002222
Start Date : 5/19/2016
Page No : 3

	N/A Southbound					Aviation Drive Westbound					Burke Drive Northbound					Aviation Drive Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:00 AM																				
Volume	0	0	0	0	0	0	36	8	0	44	9	0	1	0	10	0	22	0	0	22	76
Percent	0.0	0.0	0.0	0.0		0.0	81.8	18.2	0.0		90.0	0.0	10.0	0.0		0.0	100.0	0.0	0.0		
07:45																					
Volume	0	0	0	0	0	0	20	2	0	22	0	0	1	0	1	0	0	0	0	0	23
Peak Factor																					0.826
High Int.	6:45:00 AM					07:45 AM					07:00 AM					07:15 AM					
Volume	0	0	0	0	0	0	20	2	0	22	6	0	0	0	6	0	13	0	0	13	
Peak Factor																					0.423



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/13/16
SUBJECT	AM Peak Hour		
INTERSECTION	School Main Entrance, Middle School Dwy		

Existing (2016) Peak Hour

Period Starts	School Main Entrance Southbound				N/A Eastbound				School Main Entrance Northbound				Parking Lot Driveway Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
7:15 AM	2	50	1	53	0	0	0	0	0	112	19	131	0	0	17	17	201
7:30 AM	2	62	0	64	0	0	0	0	0	95	59	154	0	0	50	50	268
7:45 AM	1	75	0	76	0	0	0	0	0	119	98	217	0	0	78	78	371
8:00AM	0	99	0	99	0	0	0	0	0	96	47	143	0	0	78	78	320
TOTAL	5	286	1	292	0	0	0	0	0	422	223	645	0	0	223	223	1160
PHF				0.737				0.000				0.743				0.715	0.782
Percent HV (%)				6.507				0.000				5.736				0.448	4.914

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Sunny
Collected by: CIS

File Name : MAINEN~1
Site Code : 12345678
Start Date : 5/19/2016
Page No : 1

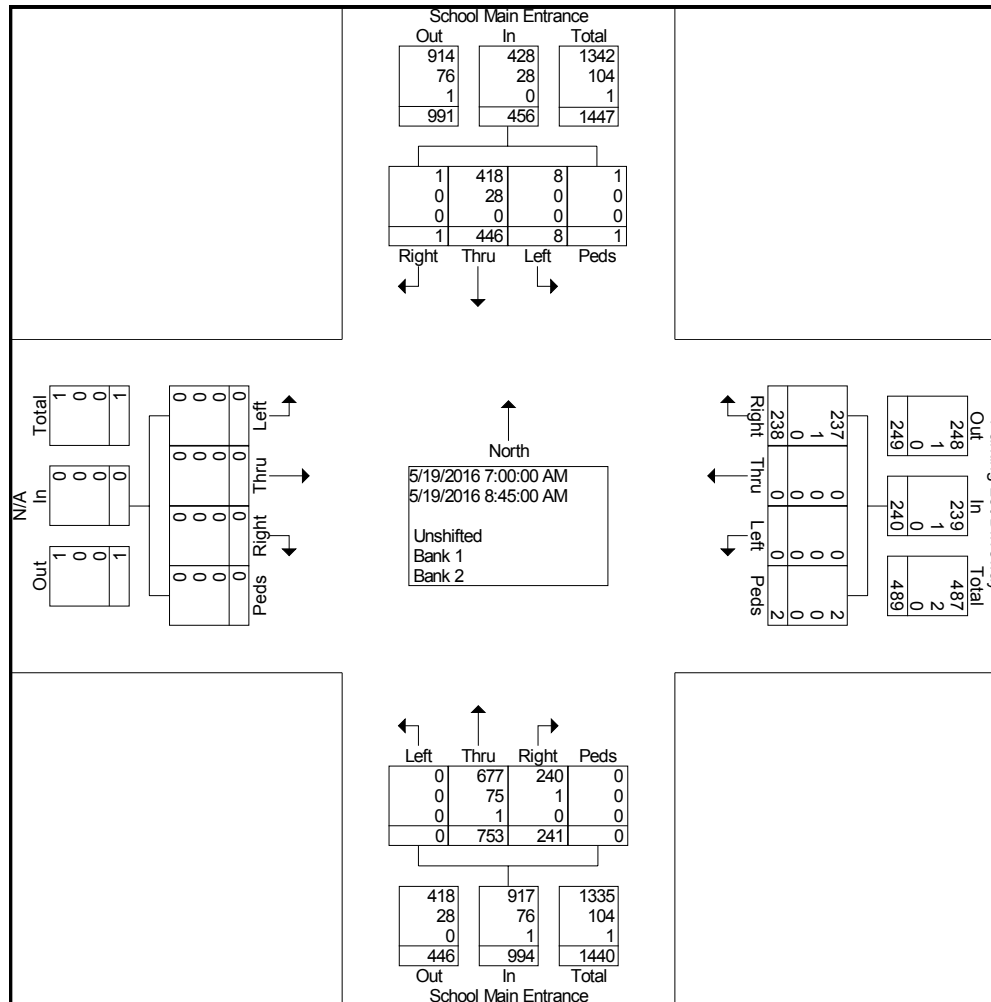
Groups Printed- Unshifted - Bank 1 - Bank 2

	School Main Entrance From North					Parking Lot Driveway From East					School Main Entrance From South					N/A From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	15	1	0	16	1	0	0	0	1	3	73	0	0	76	0	0	0	0	0	93
07:15 AM	1	50	2	0	53	17	0	0	0	17	19	112	0	0	131	0	0	0	0	0	201
07:30 AM	0	62	2	0	64	50	0	0	2	52	59	95	0	0	154	0	0	0	0	0	270
07:45 AM	0	75	1	0	76	78	0	0	0	78	98	119	0	0	217	0	0	0	0	0	371
Total	1	202	6	0	209	146	0	0	2	148	179	399	0	0	578	0	0	0	0	0	935
08:00 AM	0	99	0	1	100	78	0	0	0	78	47	96	0	0	143	0	0	0	0	0	321
08:15 AM	0	38	0	0	38	5	0	0	0	5	5	61	0	0	66	0	0	0	0	0	109
08:30 AM	0	20	0	0	20	5	0	0	0	5	5	88	0	0	93	0	0	0	0	0	118
08:45 AM	0	87	2	0	89	4	0	0	0	4	5	109	0	0	114	0	0	0	0	0	207
Total	0	244	2	1	247	92	0	0	0	92	62	354	0	0	416	0	0	0	0	0	755
Grand Total	1	446	8	1	456	238	0	0	2	240	241	753	0	0	994	0	0	0	0	0	1690
Apprch %	0.2	97.8	1.8	0.2		99.2	0.0	0.0	0.8		24.2	75.8	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.1	26.4	0.5	0.1	27.0	14.1	0.0	0.0	0.1	14.2	14.3	44.6	0.0	0.0	58.8	0.0	0.0	0.0	0.0	0.0	

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: CIS

File Name : MAINEN~1
 Site Code : 12345678
 Start Date : 5/19/2016
 Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: CIS

File Name : MAINEN~1
 Site Code : 12345678
 Start Date : 5/19/2016
 Page No : 3

	School Main Entrance From North					Parking Lot Driveway From East					School Main Entrance From South					N/A From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:15 AM																				
Volume	1	286	5	1	293	223	0	0	2	225	223	422	0	0	645	0	0	0	0	0	1163
Percent	0.3	97.6	1.7	0.3		99.1	0.0	0.0	0.9		34.6	65.4	0.0	0.0		0.0	0.0	0.0	0.0		
07:45																					
Volume	0	75	1	0	76	78	0	0	0	78	98	119	0	0	217	0	0	0	0	0	371
Peak Factor																					0.784
High Int.	08:00 AM					07:45 AM					07:45 AM					6:45:00 AM					
Volume	0	99	0	1	100	78	0	0	0	78	98	119	0	0	217						
Peak Factor	0.733					0.721					0.743										

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: CIS

File Name : untitled2
Site Code : 12345678
Start Date : 5/19/2016
Page No : 1

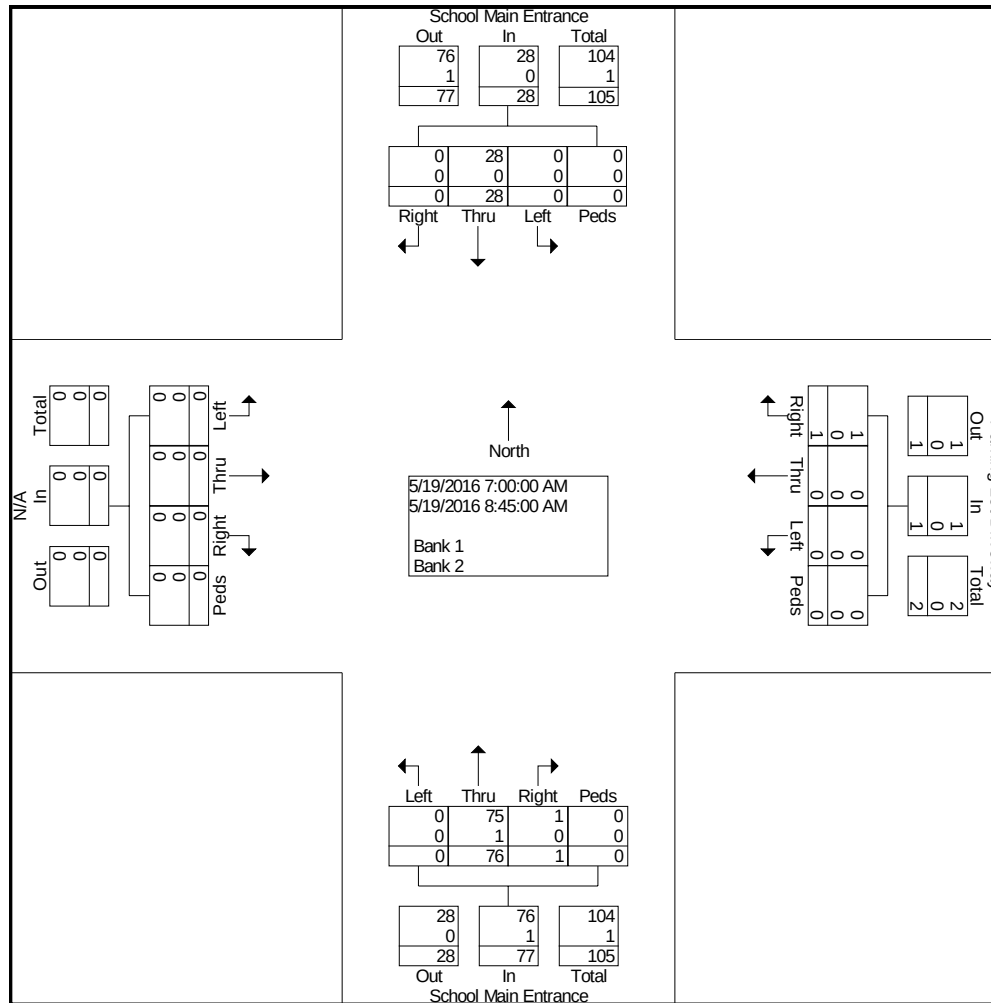
Groups Printed- Bank 1 - Bank 2

	School Main Entrance Southbound					Parking Lot Driveway Westbound					School Main Entrance Northbound					N/A Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	4	0	0	4	0	0	0	0	0	0	15	0	0	15	0	0	0	0	0	19
07:15 AM	0	10	0	0	10	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	16
07:30 AM	0	4	0	0	4	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	7
07:45 AM	0	0	0	0	0	0	0	0	0	0	1	23	0	0	24	0	0	0	0	0	24
Total	0	18	0	0	18	0	0	0	0	0	1	47	0	0	48	0	0	0	0	0	66
08:00 AM	0	5	0	0	5	1	0	0	0	1	0	4	0	0	4	0	0	0	0	0	10
08:15 AM	0	5	0	0	5	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	6
08:30 AM	0	0	0	0	0	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	10
08:45 AM	0	0	0	0	0	0	0	0	0	0	0	14	0	0	14	0	0	0	0	0	14
Total	0	10	0	0	10	1	0	0	0	1	0	29	0	0	29	0	0	0	0	0	40
Grand Total	0	28	0	0	28	1	0	0	0	1	1	76	0	0	77	0	0	0	0	0	106
Apprch %	0.0	100.0	0.0	0.0		100.0	0.0	0.0	0.0		1.3	98.7	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	26.4	0.0	0.0	26.4	0.9	0.0	0.0	0.0	0.9	0.9	71.7	0.0	0.0	72.6	0.0	0.0	0.0	0.0	0.0	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: CIS

File Name : untitled2
Site Code : 12345678
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: CIS

File Name : untitled2
Site Code : 12345678
Start Date : 5/19/2016
Page No : 3

	School Main Entrance Southbound					Parking Lot Driveway Westbound					School Main Entrance Northbound					N/A Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:00 AM																				
Volume	0	18	0	0	18	0	0	0	0	0	1	47	0	0	48	0	0	0	0	0	66
Percent	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		2.1	97.9	0.0	0.0		0.0	0.0	0.0	0.0		
07:45																					
Volume	0	0	0	0	0	0	0	0	0	0	1	23	0	0	24	0	0	0	0	0	24
Peak Factor																					0.688
High Int.	07:15 AM					6:45:00 AM					07:45 AM					6:45:00 AM					
Volume	0	10	0	0	10	0	0	0	0	0	1	23	0	0	24						
Peak Factor	0.450										0.500										



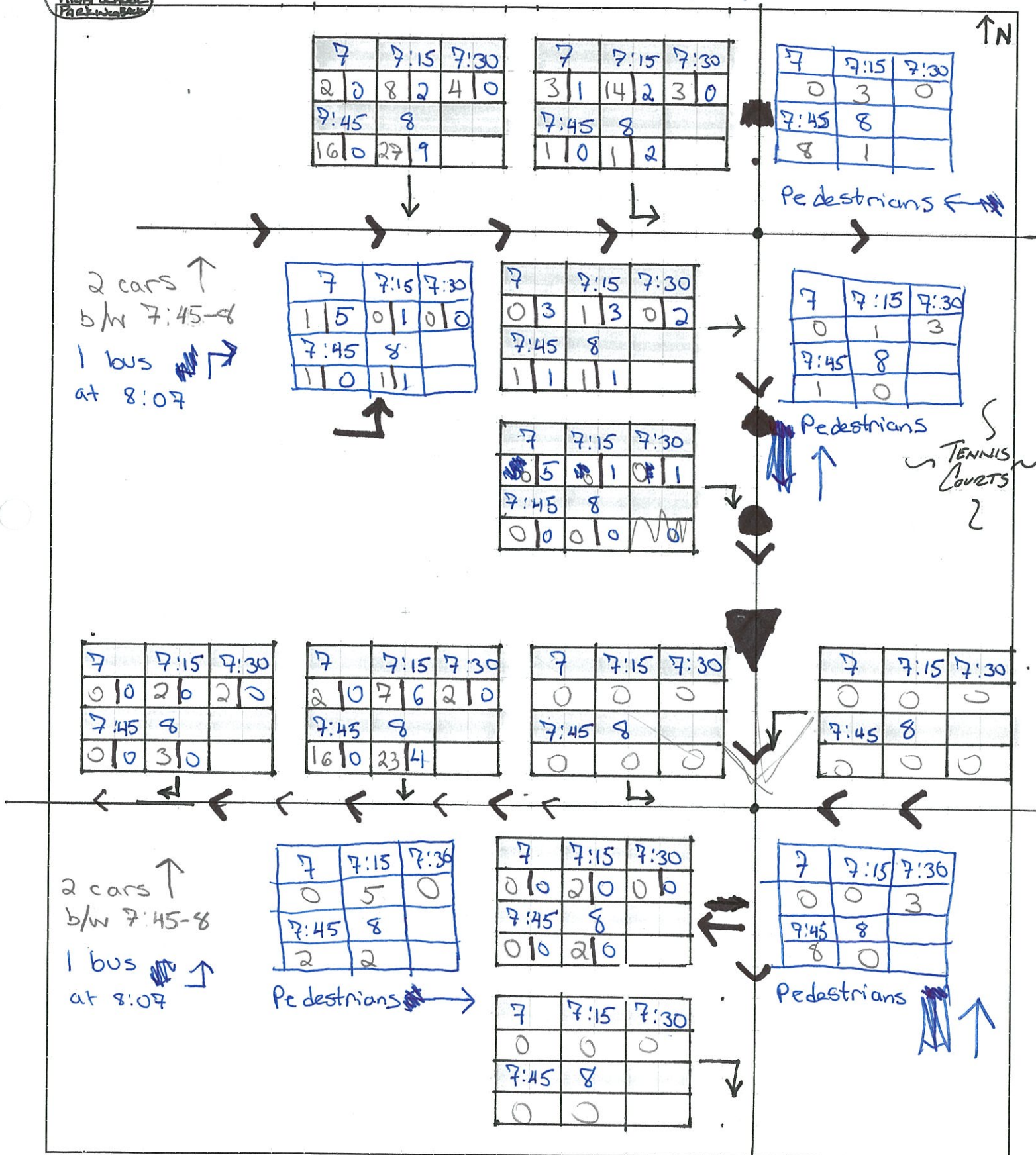
Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	AM Peak Hour		
INTERSECTION	North & West Tennis Court Roads		

Existing (2016) Peak Hour

Period Starts	West Side Tennis Court Rd Southbound				North Side Tennis Court Rd Eastbound				West Side Tennis Court Rd Northbound				North Side Tennis Court Rd Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
7:15 AM	16	10	0	26	1	4	1	6	0	0	0	0	0	0	0	0	32
7:30 AM	3	4	0	7	0	2	1	3	0	0	0	0	0	0	0	0	10
7:45 AM	1	16	0	17	1	2	0	3	0	2	0	2	0	0	0	0	22
8:00AM	3	36	0	39	2	2	0	4	0	0	1	1	0	0	0	0	44
TOTAL	23	66	0	89	4	10	2	16	0	2	1	3	0	0	0	0	108
PHF				0.571				0.667				0.375				0.000	0.614
Percent HV (%)				16.854				68.750				33.333				0.000	25.000





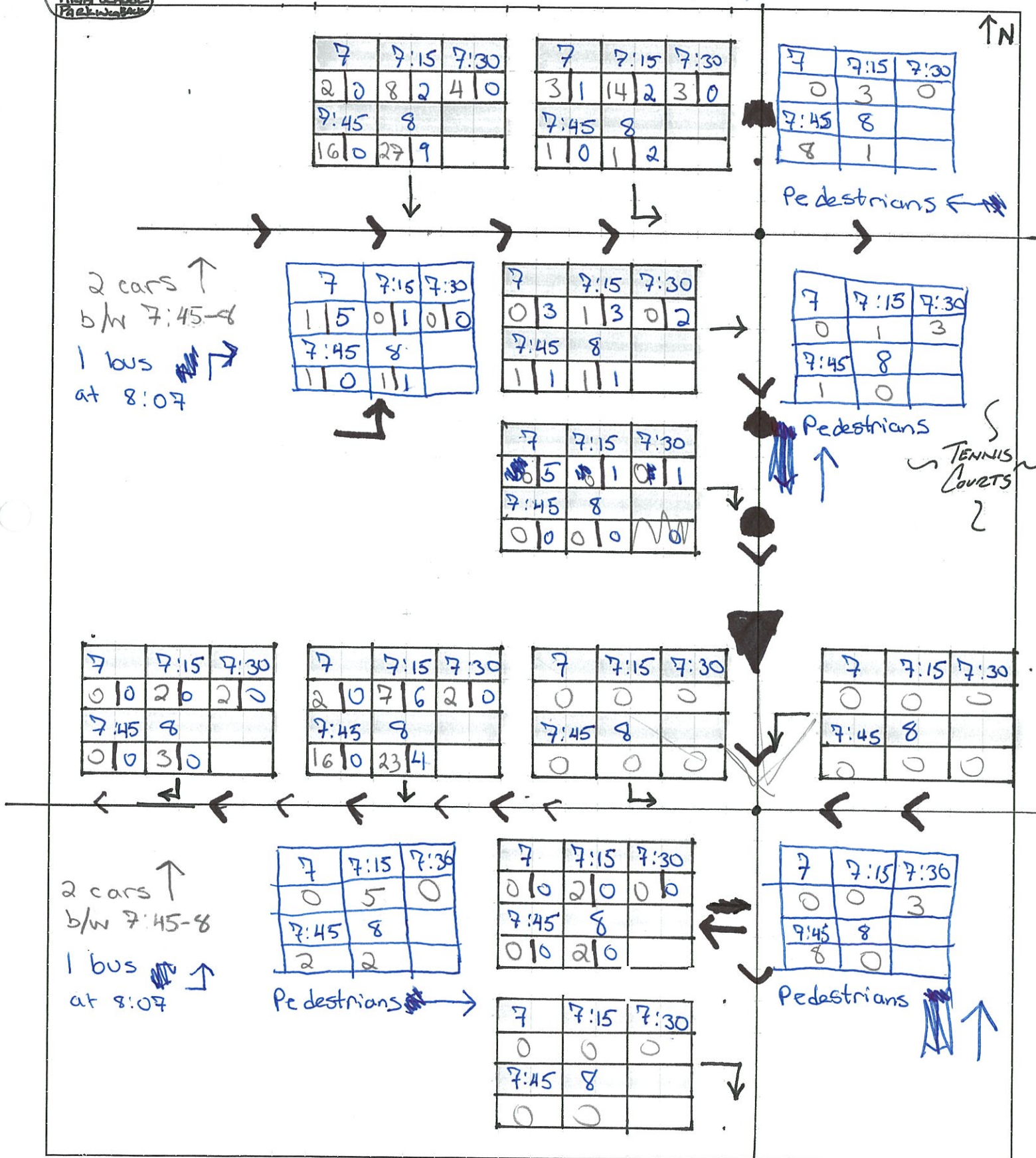
Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	AM Peak Hour		
INTERSECTION	South & West Tennis Court Roads		

Existing (2016) Peak Hour

Period Starts	West Side Tennis Court Rd Southbound				South Side Tennis Court Rd Eastbound				West Side Tennis Court Rd Northbound				South Side Tennis Court Rd Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
7:15 AM	0	13	2	15	0	0	0	0	0	0	0	0	0	2	0	2	17
7:30 AM	0	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	4
7:45 AM	0	16	0	16	0	0	0	0	0	2	0	2	0	0	0	0	18
8:00AM	0	27	3	30	1	0	0	1	0	0	0	0	0	2	0	2	33
TOTAL	0	58	7	65	1	0	0	1	0	2	0	2	0	4	0	4	72
PHF				0.542				0.250				0.250				0.500	0.545
Percent HV (%)				15.385				100.00				0.000				0.000	15.278





Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/13/16
SUBJECT	PM Peak Hour		
INTERSECTION	Manor Drive, Aviation Road, Midnight Drive		

Existing (2016) Peak Hour

Period Starts	Manor Drive Southbound				Aviation Road Eastbound				Midnight Drive Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
2:45 PM	10	0	0	10	0	77	0	77	0	0	6	6	8	104	5	117	210
3:00 PM	5	0	2	7	0	85	1	86	2	1	4	7	6	110	9	125	225
3:15 PM	11	1	0	12	0	101	0	101	0	1	5	6	6	94	3	103	222
3:30 PM	8	0	0	8	0	85	1	86	1	0	3	4	5	160	6	171	269
TOTAL	34	1	2	37	0	348	2	350	3	2	18	23	25	468	23	516	926
PHF				0.771				0.866				0.821				0.754	0.861
Percent HV (%)				2.703				3.143				0.000				2.907	2.916

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Sunny
Collected by: AEC

File Name : MANOR-~1
Site Code : 00000000
Start Date : 5/19/2016
Page No : 1

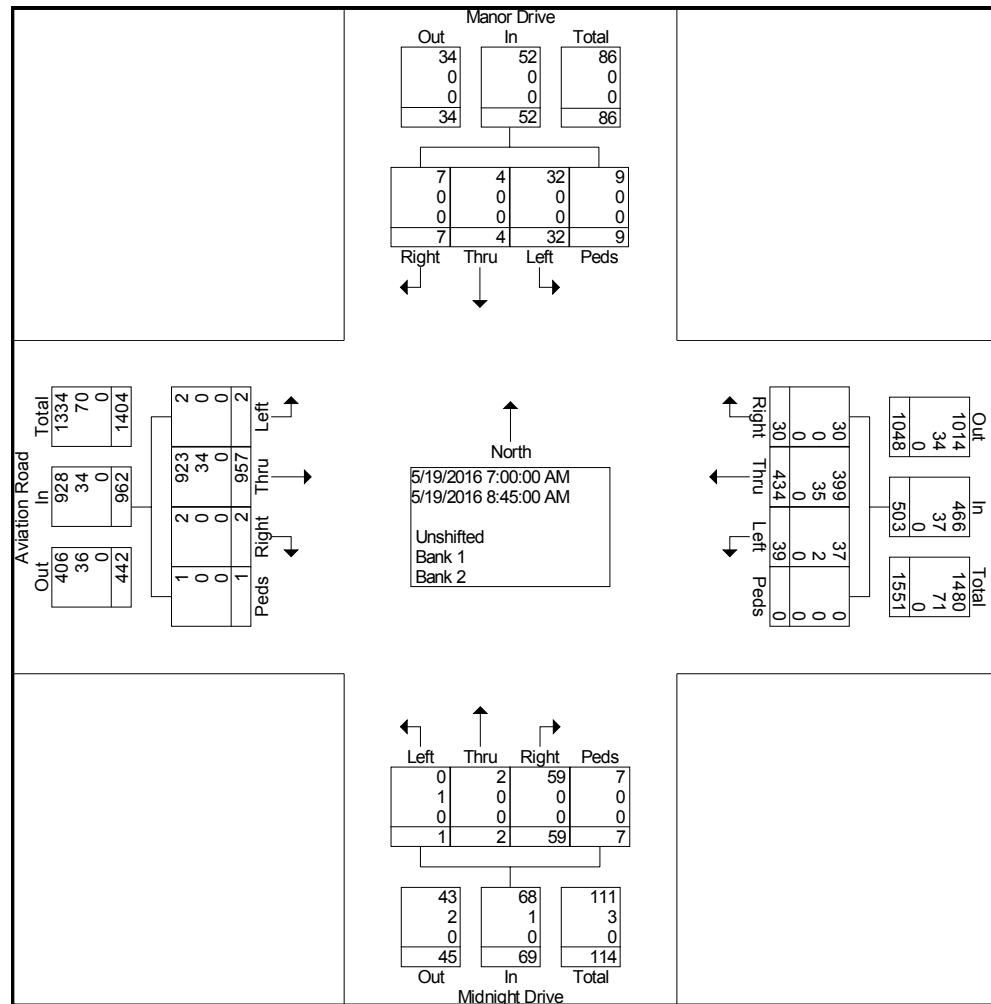
Groups Printed- Unshifted - Bank 1 - Bank 2

	Manor Drive From North					Aviation Road From East					Midnight Drive From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	3	5	8	4	24	8	0	36	6	1	0	0	7	0	133	0	0	133	184
07:15 AM	0	1	1	1	3	1	74	13	0	88	25	0	0	4	29	1	208	1	1	211	331
07:30 AM	0	0	5	1	6	4	66	6	0	76	5	0	0	0	5	0	132	0	0	132	219
07:45 AM	3	0	5	0	8	7	72	6	0	85	4	0	0	0	4	1	87	0	0	88	185
Total	3	1	14	7	25	16	236	33	0	285	40	1	0	4	45	2	560	1	1	564	919
08:00 AM	0	1	4	0	5	6	59	1	0	66	1	1	1	1	4	0	74	0	0	74	149
08:15 AM	3	0	10	1	14	2	53	1	0	56	1	0	0	1	2	0	79	1	0	80	152
08:30 AM	0	1	3	0	4	3	31	2	0	36	5	0	0	0	5	0	110	0	0	110	155
08:45 AM	1	1	1	1	4	3	55	2	0	60	12	0	0	1	13	0	134	0	0	134	211
Total	4	3	18	2	27	14	198	6	0	218	19	1	1	3	24	0	397	1	0	398	667
Grand Total	7	4	32	9	52	30	434	39	0	503	59	2	1	7	69	2	957	2	1	962	1586
Apprch %	13.5	7.7	61.5	17.3		6.0	86.3	7.8	0.0		85.5	2.9	1.4	10.1		0.2	99.5	0.2	0.1		
Total %	0.4	0.3	2.0	0.6	3.3	1.9	27.4	2.5	0.0	31.7	3.7	0.1	0.1	0.4	4.4	0.1	60.3	0.1	0.1	60.7	

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: AEC

File Name : MANOR-~1
 Site Code : 00000000
 Start Date : 5/19/2016
 Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Sunny
 Collected by: AEC

File Name : MANOR-~1
 Site Code : 00000000
 Start Date : 5/19/2016
 Page No : 3

	Manor Drive From North					Aviation Road From East					Midnight Drive From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:00 AM																				
Volume	3	1	14	7	25	16	236	33	0	285	40	1	0	4	45	2	560	1	1	564	919
Percent	12.0	4.0	56.0	28.0		5.6	82.8	11.6	0.0		88.9	2.2	0.0	8.9		0.4	99.3	0.2	0.2		
07:15																					
Volume	0	1	1	1	3	1	74	13	0	88	25	0	0	4	29	1	208	1	1	211	331
Peak Factor																					0.694
High Int.	07:00 AM					07:15 AM					07:15 AM					07:15 AM					
Volume	0	0	3	5	8	1	74	13	0	88	25	0	0	4	29	1	208	1	1	211	
Peak Factor	0.781					0.810					0.388					0.668					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: AEC

File Name : untitled2
Site Code : 00000000
Start Date : 5/19/2016
Page No : 1

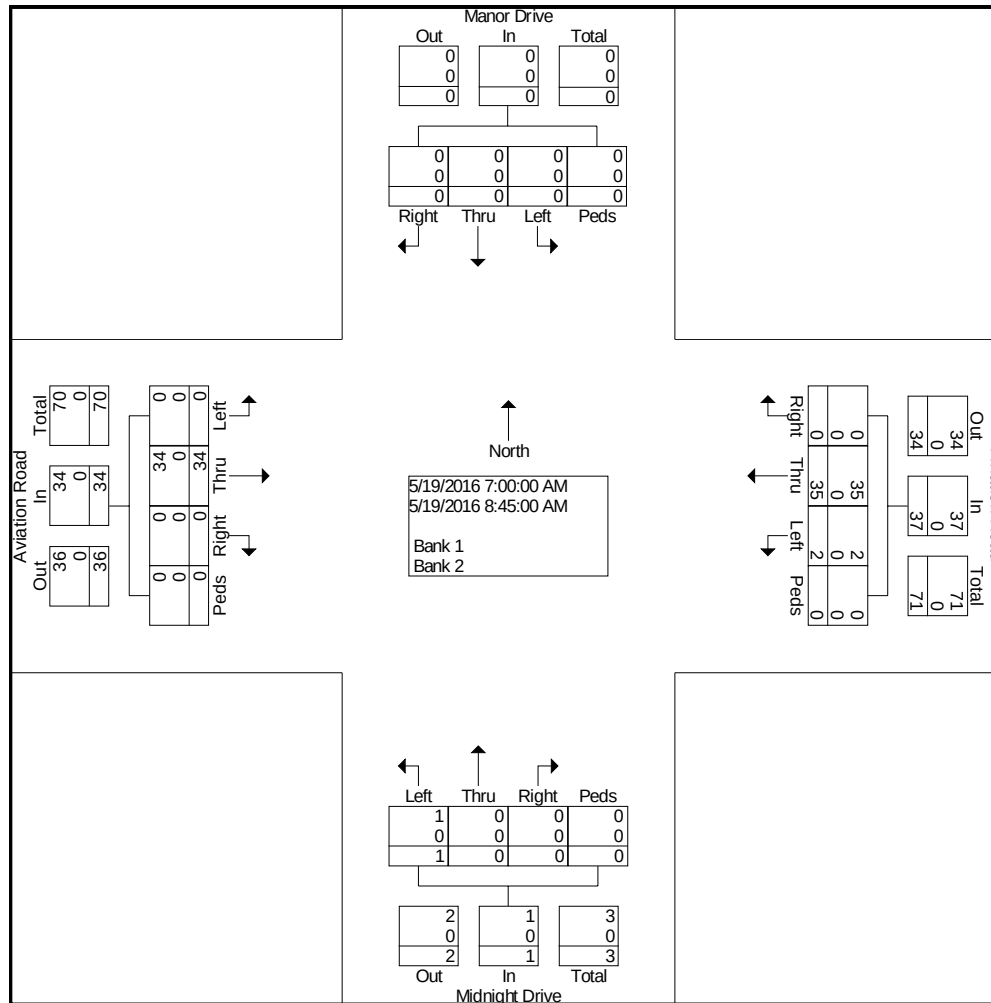
Groups Printed- Bank 1 - Bank 2

	Manor Drive Southbound					Aviation Road Westbound					Midnight Drive Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
07:00 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	5	0	0	5	6
07:15 AM	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	3	0	0	3	10
07:30 AM	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	0	1	0	0	1	6
07:45 AM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4	0	0	4	7
Total	0	0	0	0	0	0	15	1	0	16	0	0	0	0	0	0	13	0	0	13	29
08:00 AM	0	0	0	0	0	0	10	0	0	10	0	0	1	0	1	0	5	0	0	5	16
08:15 AM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	9	0	0	9	15
08:30 AM	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	3	0	0	3	7
08:45 AM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4	0	0	4	5
Total	0	0	0	0	0	0	20	1	0	21	0	0	1	0	1	0	21	0	0	21	43
Grand Total	0	0	0	0	0	0	35	2	0	37	0	0	1	0	1	0	34	0	0	34	72
Apprch %	0.0	0.0	0.0	0.0		0.0	94.6	5.4	0.0		0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	48.6	2.8	0.0	51.4	0.0	0.0	1.4	0.0	1.4	0.0	47.2	0.0	0.0	47.2	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: AEC

File Name : untitled2
Site Code : 00000000
Start Date : 5/19/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Sunny
Collected by: AEC

File Name : untitled2
Site Code : 00000000
Start Date : 5/19/2016
Page No : 3

	Manor Drive Southbound					Aviation Road Westbound					Midnight Drive Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 07:00 AM to 08:45 AM - Peak 1 of 1																					
Intersection	07:45 AM																				
Volume	0	0	0	0	0	0	22	1	0	23	0	0	1	0	1	0	21	0	0	21	45
Percent	0.0	0.0	0.0	0.0		0.0	95.7	4.3	0.0		0.0	0.0	100.0	0.0		0.0	100.0	0.0	0.0		
08:00 Volume	0	0	0	0	0	0	10	0	0	10	0	0	1	0	1	0	5	0	0	5	16
Peak Factor																					0.703
High Int.	6:45:00 AM					08:00 AM					08:00 AM					08:15 AM					
Volume	0	0	0	0	0	0	10	0	0	10	0	0	1	0	1	0	9	0	0	9	
Peak Factor						0.575					0.250					0.583					

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Mostly Sunny
Collected by: AEC

File Name : MANOR-~2
Site Code : 00000000
Start Date : 5/18/2016
Page No : 1

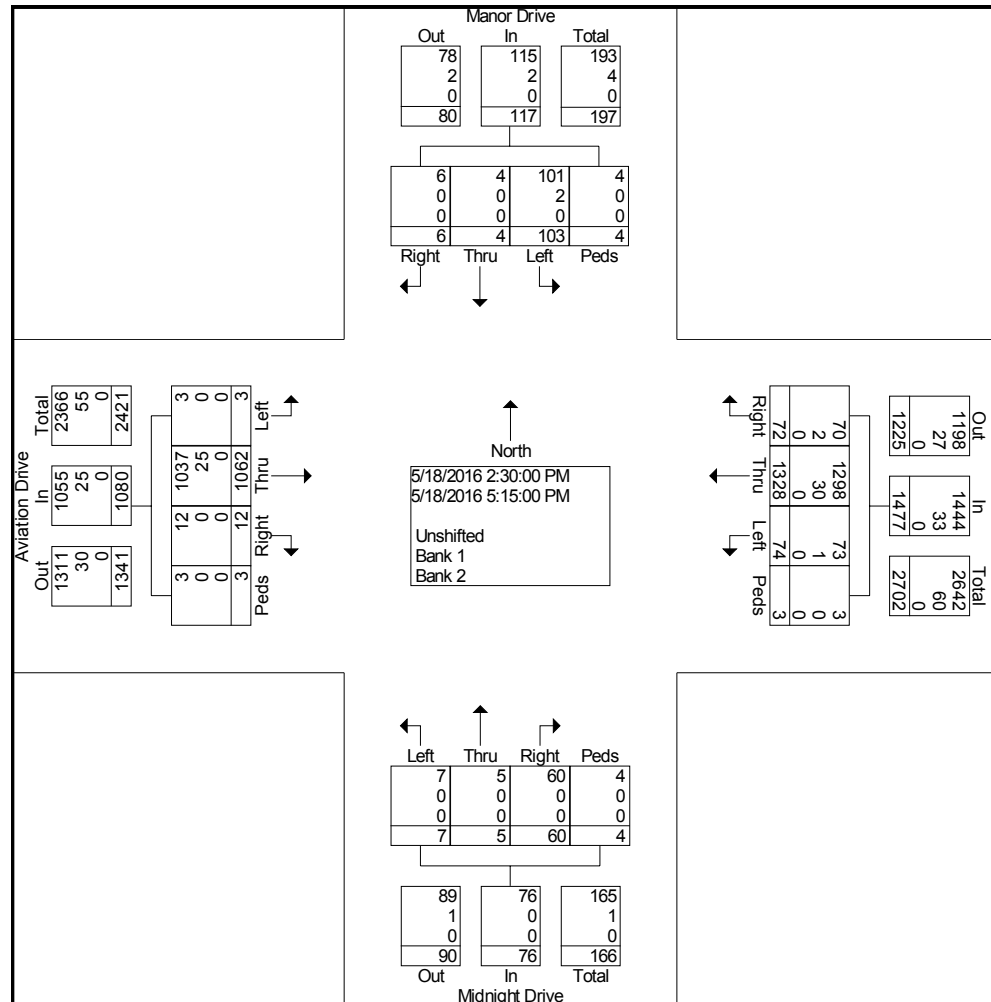
Groups Printed- Unshifted - Bank 1 - Bank 2

	Manor Drive From North					Aviation Drive From East					Midnight Drive From South					Aviation Drive From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	1	8	0	9	8	69	6	0	83	1	2	0	0	3	0	92	0	0	92	187
02:45 PM	0	0	10	1	11	5	104	8	0	117	6	0	0	0	6	0	77	0	0	77	211
Total	0	1	18	1	20	13	173	14	0	200	7	2	0	0	9	0	169	0	0	169	398
03:00 PM	2	0	5	0	7	9	110	6	1	126	4	1	2	0	7	1	85	0	1	87	227
03:15 PM	0	1	11	0	12	3	94	6	0	103	5	1	0	0	6	0	101	0	0	101	222
03:30 PM	0	0	8	0	8	6	160	5	0	171	3	0	1	0	4	1	85	0	0	86	269
03:45 PM	0	0	5	0	5	6	136	2	1	145	6	0	0	1	7	1	80	0	0	81	238
Total	2	1	29	0	32	24	500	19	2	545	18	2	3	1	24	3	351	0	1	355	956
04:00 PM	1	0	11	0	12	5	124	9	0	138	7	0	1	2	10	0	94	0	1	95	255
04:15 PM	0	0	5	1	6	11	99	11	1	122	4	0	0	1	5	1	91	1	1	94	227
04:30 PM	2	1	9	1	13	9	117	6	0	132	2	0	0	0	2	2	85	0	0	87	234
04:45 PM	0	0	11	0	11	6	117	6	0	129	4	0	1	0	5	4	79	0	0	83	228
Total	3	1	36	2	42	31	457	32	1	521	17	0	2	3	22	7	349	1	2	359	944
05:00 PM	1	1	9	1	12	2	86	3	0	91	11	1	2	0	14	2	99	1	0	102	219
05:15 PM	0	0	11	0	11	2	112	6	0	120	7	0	0	0	7	0	94	1	0	95	233
Grand Total	6	4	103	4	117	72	1328	74	3	1477	60	5	7	4	76	12	1062	3	3	1080	2750
Apprch %	5.1	3.4	88.0	3.4		4.9	89.9	5.0	0.2		78.9	6.6	9.2	5.3		1.1	98.3	0.3	0.3		
Total %	0.2	0.1	3.7	0.1	4.3	2.6	48.3	2.7	0.1	53.7	2.2	0.2	0.3	0.1	2.8	0.4	38.6	0.1	0.1	39.3	

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Mostly Sunny
 Collected by: AEC

File Name : MANOR-~2
 Site Code : 00000000
 Start Date : 5/18/2016
 Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Mostly Sunny
 Collected by: AEC

File Name : MANOR-~2
 Site Code : 00000000
 Start Date : 5/18/2016
 Page No : 3

	Manor Drive From North					Aviation Drive From East					Midnight Drive From South					Aviation Drive From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:30 PM																				
Volume	1	0	29	1	31	28	519	27	2	576	20	0	2	4	26	3	350	1	2	356	989
Percent	3.2	0.0	93.5	3.2		4.9	90.1	4.7	0.3		76.9	0.0	7.7	15.4		0.8	98.3	0.3	0.6		
03:30																					
Volume	0	0	8	0	8	6	160	5	0	171	3	0	1	0	4	1	85	0	0	86	269
Peak Factor																					0.919
High Int.	04:00 PM					03:30 PM					04:00 PM					04:00 PM					
Volume	1	0	11	0	12	6	160	5	0	171	7	0	1	2	10	0	94	0	1	95	
Peak Factor	0.646					0.842					0.650					0.937					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: AEC

File Name : Manor-Midnight Drive
Site Code : 00000000
Start Date : 5/18/2016
Page No : 1

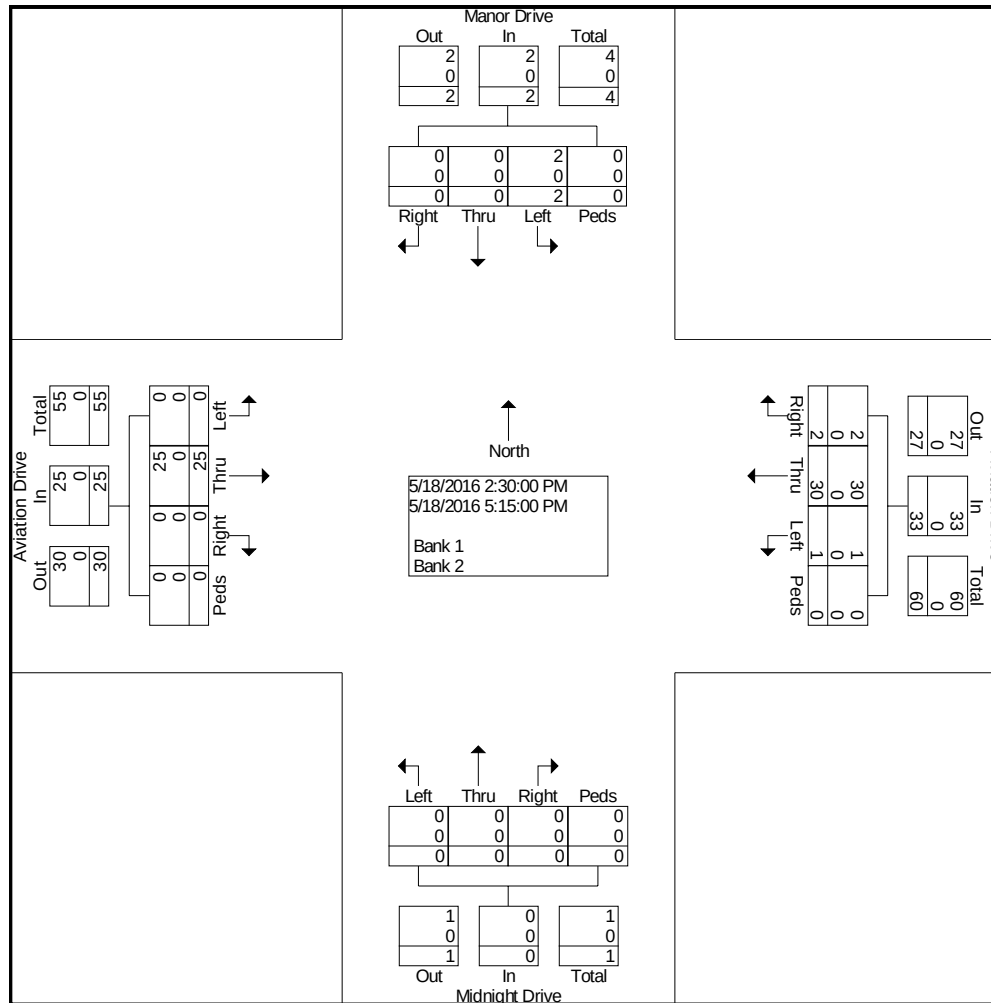
Groups Printed- Bank 1 - Bank 2

	Manor Drive Southbound					Aviation Drive Westbound					Midnight Drive Northbound					Aviation Drive Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
02:45 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	4
Total	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	6
03:00 PM	0	0	0	0	0	0	6	1	0	7	0	0	0	0	0	0	1	0	0	1	8
03:15 PM	0	0	1	0	1	1	1	0	0	2	0	0	0	0	0	0	6	0	0	6	9
03:30 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	4	0	0	4	6
03:45 PM	0	0	0	0	0	1	9	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Total	0	0	1	0	1	2	18	1	0	21	0	0	0	0	0	0	11	0	0	11	33
04:00 PM	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	5	0	0	5	7
04:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	4
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
04:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	1	0	1	0	5	0	0	5	0	0	0	0	0	0	11	0	0	11	17
05:00 PM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	3
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Grand Total	0	0	2	0	2	2	30	1	0	33	0	0	0	0	0	0	25	0	0	25	60
Apprch %	0.0	0.0	100.0	0.0		6.1	90.9	3.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	3.3	0.0	3.3	3.3	50.0	1.7	0.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	41.7	0.0	0.0	41.7	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: AEC

File Name : Manor-Midnight Drive
Site Code : 00000000
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: AEC

File Name : Manor-Midnight Drive
Site Code : 00000000
Start Date : 5/18/2016
Page No : 3

	Manor Drive Southbound					Aviation Drive Westbound					Midnight Drive Northbound					Aviation Drive Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:00 PM																				
Volume	0	0	1	0	1	2	18	1	0	21	0	0	0	0	0	0	11	0	0	11	33
Percent	0.0	0.0	100.0	0.0		9.5	85.7	4.8	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
03:45 Volume	0	0	0	0	0	1	9	0	0	10	0	0	0	0	0	0	0	0	0	0	10
Peak Factor																					0.825
High Int.	03:15 PM					03:45 PM					2:15:00 PM					03:15 PM					
Volume	0	0	1	0	1	1	9	0	0	10	0	0	0	0	0	0	6	0	0	6	
Peak Factor	0.250					0.525										0.458					



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	PM Peak Hour		
INTERSECTION	High School West Exit & Aviation Road		

Existing (2016) Peak Hour

Period Starts	Parking Lot Driveway Southbound				Aviation Road Eastbound				N/A Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
2:45 PM	9	0	9	18	0	97	0	97	0	0	0	0	0	114	0	114	229
3:00 PM	8	0	11	19	0	91	0	91	0	0	0	0	0	106	0	106	216
3:15 PM	5	0	3	8	0	120	0	120	0	0	0	0	0	107	0	107	235
3:30 PM	7	0	6	13	0	97	0	97	0	0	0	0	0	164	0	164	274
TOTAL	29	0	29	58	0	405	0	405	0	0	0	0	0	491	0	491	954
PHF				0.763				0.844				0.000				0.748	0.870
Percent HV (%)				1.724				2.222				0.000				3.259	2.725

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: TMS

File Name : PARKIN~1
Site Code : 12345678
Start Date : 5/18/2016
Page No : 1

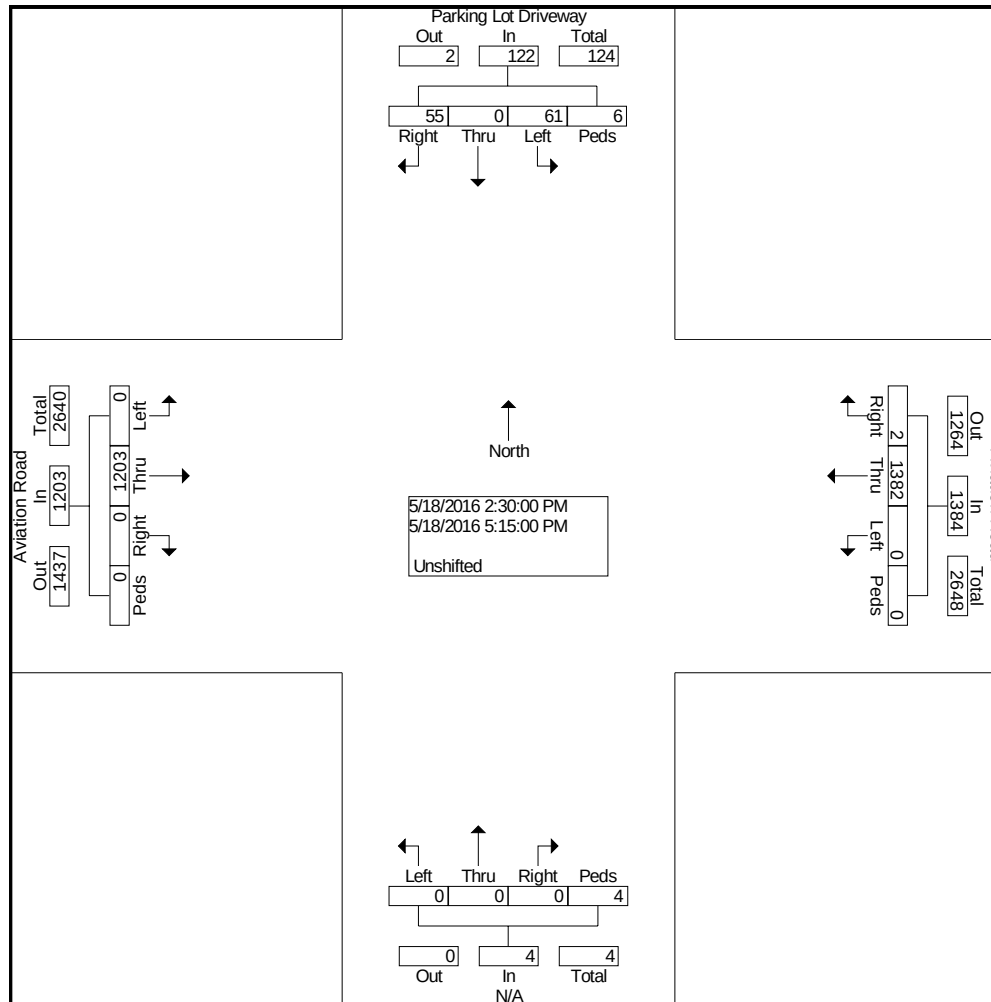
Groups Printed- Unshifted

	Parking Lot Driveway Southbound					Aviation Road Westbound					N/A Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	8	0	7	0	15	0	71	0	0	71	0	0	0	0	0	0	97	0	0	97	183
02:45 PM	9	0	9	1	19	0	107	0	0	107	0	0	0	1	1	0	96	0	0	96	223
Total	17	0	16	1	34	0	178	0	0	178	0	0	0	1	1	0	193	0	0	193	406
03:00 PM	11	0	8	1	20	0	102	0	0	102	0	0	0	0	0	0	90	0	0	90	212
03:15 PM	3	0	5	0	8	0	105	0	0	105	0	0	0	0	0	0	115	0	0	115	228
03:30 PM	6	0	7	0	13	0	161	0	0	161	0	0	0	0	0	0	95	0	0	95	269
03:45 PM	7	0	8	0	15	1	118	0	0	119	0	0	0	1	1	0	89	0	0	89	224
Total	27	0	28	1	56	1	486	0	0	487	0	0	0	1	1	0	389	0	0	389	933
04:00 PM	3	0	2	0	5	1	138	0	0	139	0	0	0	1	1	0	106	0	0	106	251
04:15 PM	1	0	2	2	5	0	121	0	0	121	0	0	0	1	1	0	98	0	0	98	225
04:30 PM	3	0	3	1	7	0	125	0	0	125	0	0	0	0	0	0	99	0	0	99	231
04:45 PM	3	0	0	0	3	0	122	0	0	122	0	0	0	0	0	0	93	0	0	93	218
Total	10	0	7	3	20	1	506	0	0	507	0	0	0	2	2	0	396	0	0	396	925
05:00 PM	1	0	8	1	10	0	100	0	0	100	0	0	0	0	0	0	117	0	0	117	227
05:15 PM	0	0	2	0	2	0	112	0	0	112	0	0	0	0	0	0	108	0	0	108	222
Grand Total	55	0	61	6	122	2	1382	0	0	1384	0	0	0	4	4	0	1203	0	0	1203	2713
Apprch %	45.1	0.0	50.0	4.9		0.1	99.9	0.0	0.0		0.0	0.0	0.0	100. 0		0.0	100. 0	0.0	0.0		
Total %	2.0	0.0	2.2	0.2	4.5	0.1	50.9	0.0	0.0	51.0	0.0	0.0	0.0	0.1	0.1	0.0	44.3	0.0	0.0	44.3	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: TMS

File Name : PARKIN~1
Site Code : 12345678
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: TMS

File Name : PARKIN~1
Site Code : 12345678
Start Date : 5/18/2016
Page No : 3

	Parking Lot Driveway Southbound					Aviation Road Westbound					N/A Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:15 PM																				
Volume	19	0	22	0	41	2	522	0	0	524	0	0	0	2	2	0	405	0	0	405	972
Percent	46.3	0.0	53.7	0.0		0.4	99.6	0.0	0.0		0.0	0.0	0.0	100.0		0.0	100.0	0.0	0.0		
03:30 Volume	6	0	7	0	13	0	161	0	0	161	0	0	0	0	0	0	95	0	0	95	269
Peak Factor																					0.903
High Int.	03:45 PM					03:30 PM					03:45 PM					03:15 PM					
Volume	7	0	8	0	15	0	161	0	0	161	0	0	0	1	1	0	115	0	0	115	
Peak Factor	0.683					0.814					0.500					0.880					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: TMS

File Name : PARKIN~1
Site Code : 12345678
Start Date : 5/18/2016
Page No : 1

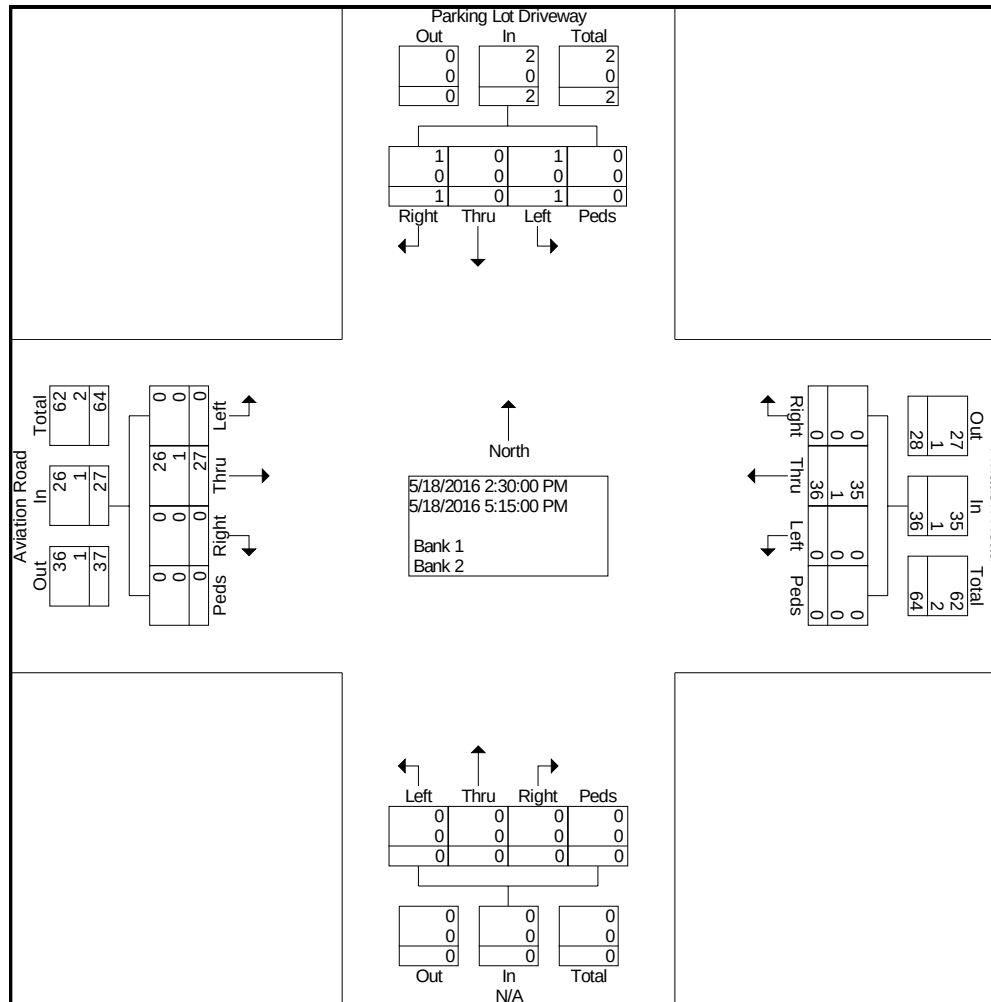
Groups Printed- Bank 1 - Bank 2

	Parking Lot Driveway Southbound					Aviation Road Westbound					N/A Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
02:45 PM	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	1	0	0	1	8
Total	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	3	0	0	3	11
03:00 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	5
03:15 PM	0	0	1	0	1	0	2	0	0	2	0	0	0	0	0	0	5	0	0	5	8
03:30 PM	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	5
03:45 PM	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	0	0	0	0	11
Total	0	0	1	0	1	0	20	0	0	20	0	0	0	0	0	0	8	0	0	8	29
04:00 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	8	0	0	8	10
04:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	4
04:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
Total	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	14	0	0	14	19
05:00 PM	1	0	0	0	1	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	4
05:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
Grand Total	1	0	1	0	2	0	36	0	0	36	0	0	0	0	0	0	27	0	0	27	65
Apprch %	50.0	0.0	50.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
Total %	1.5	0.0	1.5	0.0	3.1	0.0	55.4	0.0	0.0	55.4	0.0	0.0	0.0	0.0	0.0	0.0	41.5	0.0	0.0	41.5	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: TMS

File Name : PARKIN~1
Site Code : 12345678
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: TMS

File Name : PARKIN~1
Site Code : 12345678
Start Date : 5/18/2016
Page No : 3

	Parking Lot Driveway Southbound					Aviation Road Westbound					N/A Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:15 PM																				
Volume	0	0	1	0	1	0	18	0	0	18	0	0	0	0	0	0	15	0	0	15	34
Percent	0.0	0.0	100. 0	0.0		0.0	100. 0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100. 0	0.0	0.0		
03:45 Volume	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	0	0	0	0	11
Peak Factor																					0.773
High Int.	03:15 PM					03:45 PM					2:15:00 PM					04:00 PM					
Volume	0	0	1	0	1	0	11	0	0	11	0	0	0	0	0	0	8	0	0	8	
Peak Factor	0.250					0.409										0.469					



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	PM Peak Hour		
INTERSECTION	Prospect Drive & Aviation Road		

Existing (2016) Peak Hour

	N/A				Aviation Road Eastbound				Prospect Drive Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
Period Starts																	
2:45 PM	0	0	0	0	0	105	1	106	0	0	3	3	3	111	0	114	223
3:00 PM	0	0	0	0	0	109	1	110	2	0	2	4	5	109	0	114	228
3:15 PM	0	0	0	0	0	124	2	126	1	0	4	5	2	100	0	102	233
3:30 PM	0	0	0	0	0	105	1	106	2	0	2	4	3	176	0	179	289
TOTAL	0	0	0	0	0	443	5	448	5	0	11	16	13	496	0	509	973
PHF				0.000				0.889				0.800				0.711	0.842
Percent HV (%)				0.000				3.348				12.500				3.536	3.597

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Mostly Sunny
Collected by: KEC

File Name : PROSPE~2
Site Code : 16161664
Start Date : 5/18/2016
Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

	N/A From North					Aviation Road From East					Prospect Drive From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	0	0	0	0	0	89	5	0	94	3	0	1	0	4	1	98	0	1	100	198
02:45 PM	0	0	0	0	0	0	111	3	0	114	3	0	0	0	3	1	105	0	0	106	223
Total	0	0	0	0	0	0	200	8	0	208	6	0	1	0	7	2	203	0	1	206	421
03:00 PM	0	0	0	0	0	0	109	5	0	114	2	0	2	0	4	1	109	0	0	110	228
03:15 PM	0	0	0	0	0	0	100	2	0	102	4	0	1	0	5	2	124	0	0	126	233
03:30 PM	0	0	0	0	0	0	176	3	0	179	2	0	2	0	4	1	105	0	0	106	289
03:45 PM	0	0	0	0	0	0	125	7	0	132	4	0	1	0	5	0	99	0	0	99	236
Total	0	0	0	0	0	0	510	17	0	527	12	0	6	0	18	4	437	0	0	441	986
04:00 PM	0	0	0	0	0	0	154	4	0	158	3	0	1	0	4	1	116	0	0	117	279
04:15 PM	0	0	0	0	0	0	117	4	0	121	2	0	0	0	2	2	100	0	0	102	225
04:30 PM	0	0	0	0	0	0	131	3	0	134	1	0	0	0	1	1	106	0	0	107	242
04:45 PM	0	0	0	0	0	0	119	5	0	124	2	0	1	0	3	0	97	0	0	97	224
Total	0	0	0	0	0	0	521	16	0	537	8	0	2	0	10	4	419	0	0	423	970
05:00 PM	0	0	0	0	0	0	101	3	0	104	0	0	0	0	0	1	125	0	0	126	230
05:15 PM	0	0	0	0	0	0	123	1	0	124	6	0	0	0	6	1	106	0	0	107	237
Grand Total	0	0	0	0	0	0	1455	45	0	1500	32	0	9	0	41	12	1290	0	1	1303	2844
Apprch %	0.0	0.0	0.0	0.0		0.0	97.0	3.0	0.0		78.0	0.0	22.0	0.0		0.9	99.0	0.0	0.1		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	51.2	1.6	0.0	52.7	1.1	0.0	0.3	0.0	1.4	0.4	45.4	0.0	0.0	45.8	

File Name : PROSPE~2
Site Code : 16161664
Start Date : 5/18/2016
Page No : 2

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Mostly Sunny
 Collected by: KEC

File Name : PROSPE~2
 Site Code : 16161664
 Start Date : 5/18/2016
 Page No : 3

	N/A From North					Aviation Road From East					Prospect Drive From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:15 PM																				
Volume	0	0	0	0	0	0	555	16	0	571	13	0	5	0	18	4	444	0	0	448	1037
Percent	0.0	0.0	0.0	0.0		0.0	97.2	2.8	0.0		72.2	0.0	27.8	0.0		0.9	99.1	0.0	0.0		
03:30																					
Volume	0	0	0	0	0	0	176	3	0	179	2	0	2	0	4	1	105	0	0	106	289
Peak Factor																					0.897
High Int.	2:15:00 PM					03:30 PM					03:15 PM					03:15 PM					
Volume	0	0	0	0	0	0	176	3	0	179	4	0	1	0	5	2	124	0	0	126	
Peak Factor						0.797					0.900					0.889					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: KEC

File Name : untitled1
Site Code : 16161664
Start Date : 5/18/2016
Page No : 1

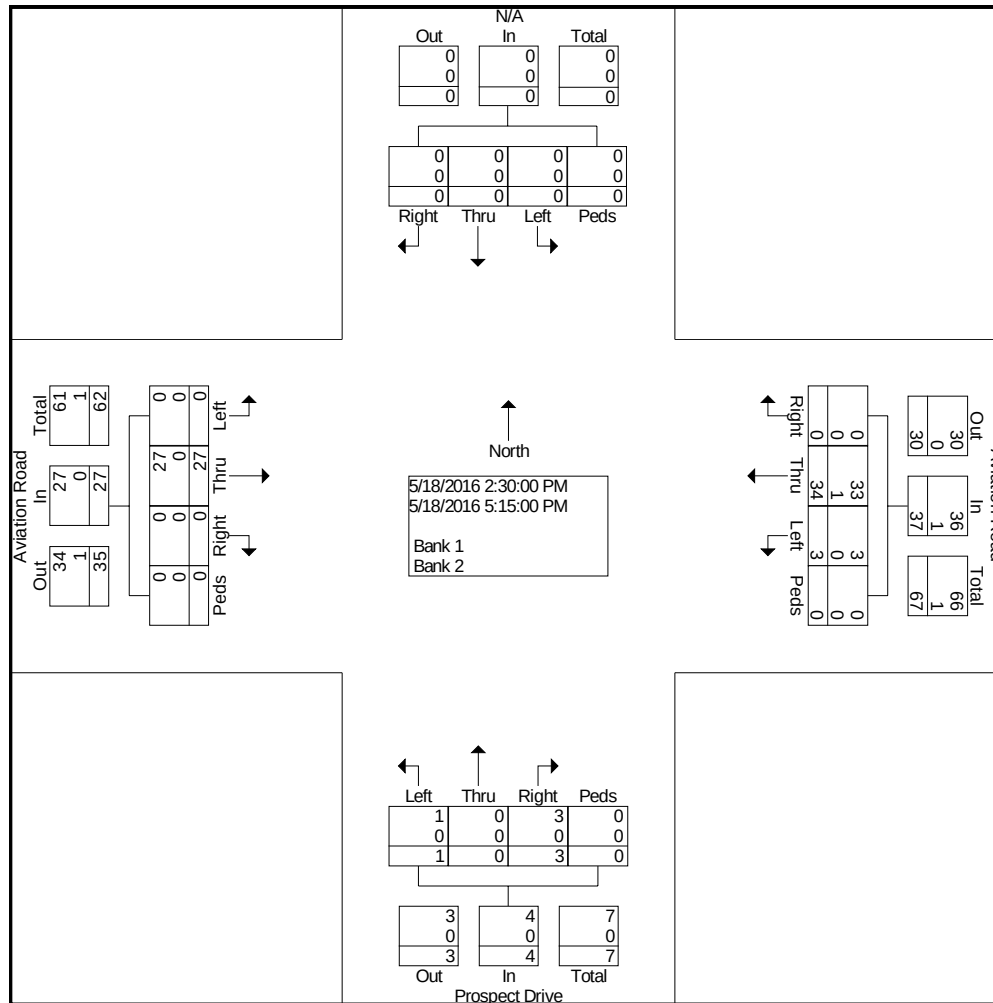
Groups Printed- Bank 1 - Bank 2

	N/A Southbound					Aviation Road Westbound					Prospect Drive Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:45 PM	0	0	0	0	0	0	8	1	0	9	0	0	0	0	0	0	1	0	0	1	10
Total	0	0	0	0	0	0	9	1	0	10	0	0	0	0	0	0	1	0	0	1	11
03:00 PM	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	0	1	0	0	1	5
03:15 PM	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	0	8	0	0	8	11
03:30 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	5	0	0	5	9
03:45 PM	0	0	0	0	0	0	10	2	0	12	1	0	0	0	1	0	0	0	0	0	13
Total	0	0	0	0	0	0	19	2	0	21	2	0	1	0	3	0	14	0	0	14	38
04:00 PM	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	0	8	0	0	8	11
04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
04:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	0	0	0	4	0	0	4	1	0	0	0	1	0	11	0	0	11	16
05:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
05:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
Grand Total	0	0	0	0	0	0	34	3	0	37	3	0	1	0	4	0	27	0	0	27	68
Apprch %	0.0	0.0	0.0	0.0		0.0	91.9	8.1	0.0		75.0	0.0	25.0	0.0		0.0	100.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	50.0	4.4	0.0	54.4	4.4	0.0	1.5	0.0	5.9	0.0	39.7	0.0	0.0	39.7	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: KEC

File Name : untitled1
Site Code : 16161664
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: KEC

File Name : untitled1
Site Code : 16161664
Start Date : 5/18/2016
Page No : 3

	N/A Southbound					Aviation Road Westbound					Prospect Drive Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:15 PM																				
Volume	0	0	0	0	0	0	18	2	0	20	3	0	0	0	3	0	21	0	0	21	44
Percent	0.0	0.0	0.0	0.0		0.0	90.0	10.0	0.0		100.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		
03:45 Volume	0	0	0	0	0	0	10	2	0	12	1	0	0	0	1	0	0	0	0	0	13
Peak Factor																					0.846
High Int.	2:15:00 PM					03:45 PM					03:15 PM					03:15 PM					
Volume	0	0	0	0	0	0	10	2	0	12	1	0	0	0	1	0	8	0	0	8	
Peak Factor																					0.656



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/13/16
SUBJECT	PM Peak Hour		
INTERSECTION	Aviation Rd, Cottage Hill Rd, School Driveway		

Existing (2016) Peak Hour

Period Starts	School Driveway Southbound				Aviation Road Eastbound				Cottage Hill Road Northbound				Avation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
2:45 PM	0	0	0	0	2	92	0	94	0	0	11	11	15	99	0	114	219
3:00 PM	0	0	0	0	2	110	3	115	0	0	13	13	11	101	1	113	241
3:15 PM	0	0	0	0	3	120	2	125	0	0	14	14	28	117	0	145	284
3:30 PM	0	0	0	0	2	109	1	112	0	0	4	4	24	124	2	150	266
TOTAL	0	0	0	0	9	431	6	446	0	0	42	42	78	441	3	522	1010
PHF				0.000				0.892				0.750				0.870	0.889
Percent HV (%)				0.000				3.587				9.524				2.299	3.168

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Mostly Sunny
Collected by: IB

File Name : COTTAG~2
Site Code : 00001111
Start Date : 5/18/2016
Page No : 1

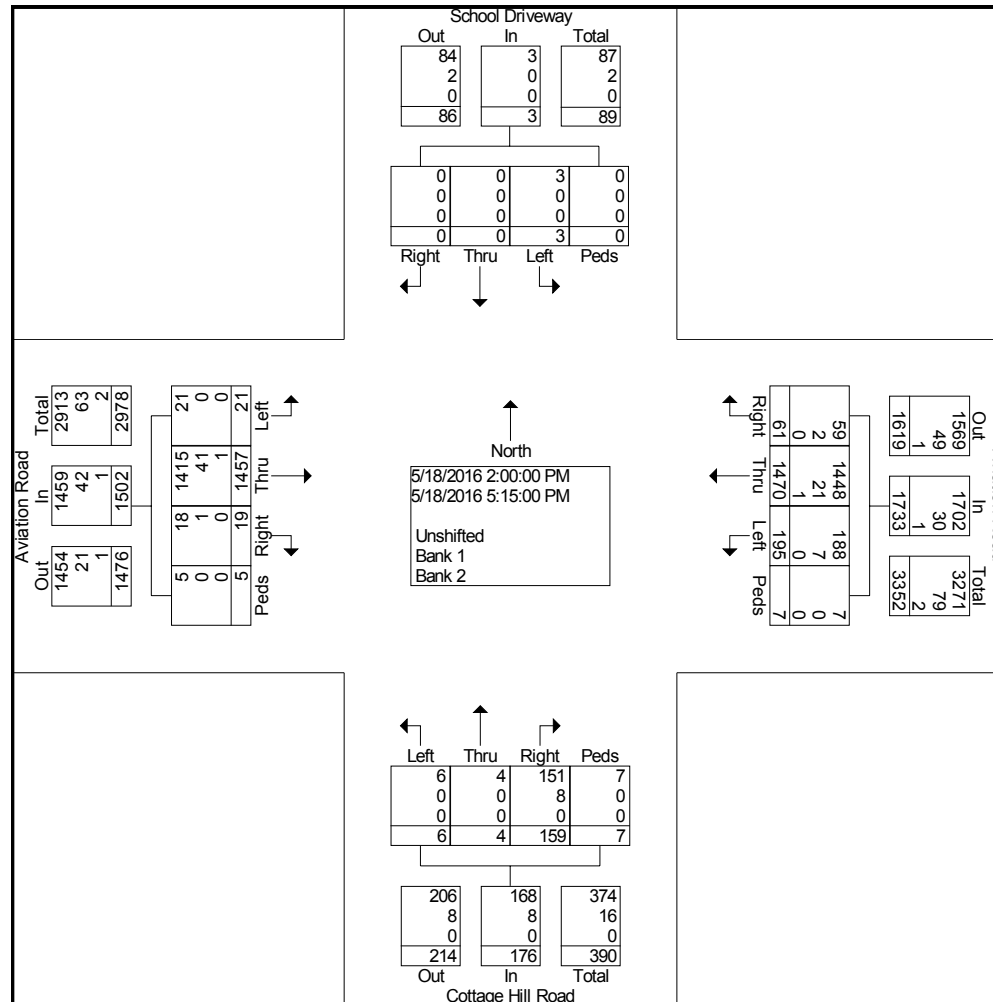
Groups Printed- Unshifted - Bank 1 - Bank 2

	School Driveway From North					Aviation Road From East					Cottage Hill Road From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:00 PM	0	0	0	0	0	17	77	6	0	100	10	1	1	0	12	2	98	1	0	101	213
02:15 PM	0	0	0	0	0	20	79	9	0	108	11	1	0	0	12	2	92	3	1	98	218
02:30 PM	0	0	0	0	0	6	89	15	0	110	19	0	1	1	21	0	106	3	0	109	240
02:45 PM	0	0	0	0	0	0	99	15	2	116	11	0	0	1	12	0	92	2	0	94	222
Total	0	0	0	0	0	43	344	45	2	434	51	2	2	2	57	4	388	9	1	402	893
03:00 PM	0	0	0	0	0	1	101	11	0	113	13	0	0	0	13	3	110	2	1	116	242
03:15 PM	0	0	0	0	0	0	117	28	0	145	14	0	0	0	14	2	120	3	0	125	284
03:30 PM	0	0	0	0	0	2	124	24	0	150	4	0	0	0	4	1	109	2	0	112	266
03:45 PM	0	0	0	0	0	1	116	20	0	137	5	0	0	2	7	1	96	2	1	100	244
Total	0	0	0	0	0	4	458	83	0	545	36	0	0	2	38	7	435	9	2	453	1036
04:00 PM	0	0	1	0	1	5	112	7	1	125	13	0	2	1	16	4	107	0	0	111	253
04:15 PM	0	0	0	0	0	1	126	14	2	143	16	0	0	1	17	0	92	0	0	92	252
04:30 PM	0	0	0	0	0	3	105	13	0	121	11	1	0	1	13	0	96	2	0	98	232
04:45 PM	0	0	0	0	0	1	106	10	0	117	11	0	1	0	12	2	109	1	2	114	243
Total	0	0	1	0	1	10	449	44	3	506	51	1	3	3	58	6	404	3	2	415	980
05:00 PM	0	0	0	0	0	1	109	13	2	125	12	1	1	0	14	1	120	0	0	121	260
05:15 PM	0	0	2	0	2	3	110	10	0	123	9	0	0	0	9	1	110	0	0	111	245
Grand Total	0	0	3	0	3	61	1470	195	7	1733	159	4	6	7	176	19	1457	21	5	1502	3414
Apprch %	0.0	0.0	100. 0	0.0		3.5	84.8	11.3	0.4		90.3	2.3	3.4	4.0		1.3	97.0	1.4	0.3		
Total %	0.0	0.0	0.1	0.0	0.1	1.8	43.1	5.7	0.2	50.8	4.7	0.1	0.2	0.2	5.2	0.6	42.7	0.6	0.1	44.0	

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Mostly Sunny
 Collected by: IB

File Name : COTTAG~2
 Site Code : 00001111
 Start Date : 5/18/2016
 Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Mostly Sunny
 Collected by: IB

File Name : COTTAG~2
 Site Code : 00001111
 Start Date : 5/18/2016
 Page No : 3

	School Driveway From North					Aviation Road From East					Cottage Hill Road From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:00 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:15 PM																				
Volume	0	0	1	0	1	8	469	79	1	557	36	0	2	3	41	8	432	7	1	448	1047
Percent	0.0	0.0	100.0	0.0		1.4	84.2	14.2	0.2		87.8	0.0	4.9	7.3		1.8	96.4	1.6	0.2		
03:15 Volume	0	0	0	0	0	0	117	28	0	145	14	0	0	0	14	2	120	3	0	125	284
Peak Factor																					0.922
High Int.	04:00 PM					03:30 PM					04:00 PM					03:15 PM					
Volume	0	0	1	0	1	2	124	24	0	150	13	0	2	1	16	2	120	3	0	125	
Peak Factor	0.250					0.928					0.641					0.896					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: IB

File Name : untitled1
Site Code : 00001111
Start Date : 5/18/2016
Page No : 1

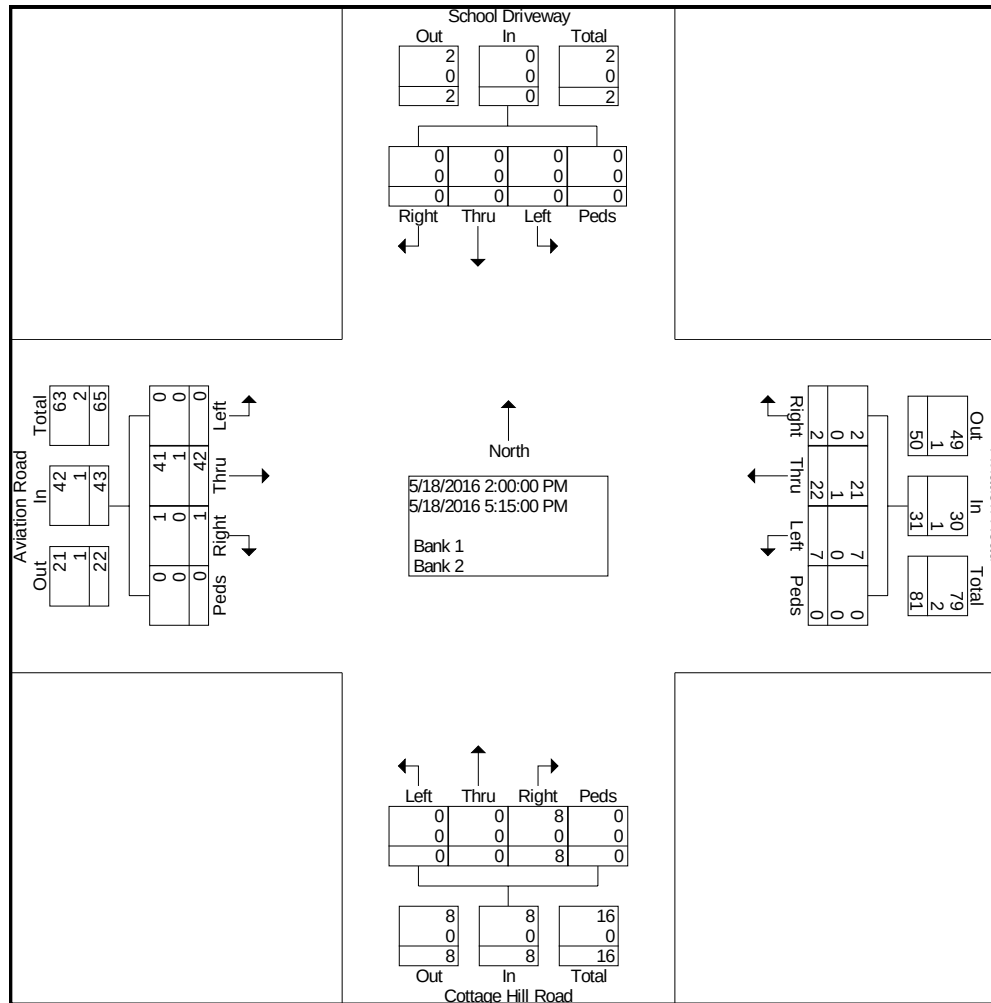
Groups Printed- Bank 1 - Bank 2

	School Driveway Southbound					Aviation Road Westbound					Cottage Hill Road Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	5
02:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	2	2
02:30 PM	0	0	0	0	0	0	1	2	1	4	0	0	0	0	0	0	1	0	0	1	5
02:45 PM	0	0	0	0	0	0	0	1	1	2	1	0	0	0	1	0	1	0	0	1	4
Total	0	0	0	0	0	1	3	2	0	6	1	0	0	0	1	1	8	0	0	9	16
03:00 PM	0	0	0	0	0	0	3	0	0	3	2	0	0	0	2	0	6	0	0	6	11
03:15 PM	0	0	0	0	0	0	1	2	0	3	1	0	0	0	1	0	6	0	0	6	10
03:30 PM	0	0	0	0	0	0	2	2	0	4	0	0	0	0	0	0	3	0	0	3	7
03:45 PM	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	0	5	0	0	5	8
Total	0	0	0	0	0	0	8	4	0	12	4	0	0	0	4	0	20	0	0	20	36
04:00 PM	0	0	0	0	0	0	3	0	0	3	2	0	0	0	2	0	6	0	0	6	11
04:15 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
04:30 PM	0	0	0	0	0	1	4	1	0	6	0	0	0	0	0	0	5	0	0	5	11
04:45 PM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	2
Total	0	0	0	0	0	1	9	1	0	11	3	0	0	0	3	0	13	0	0	13	27
05:00 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	2
05:15 PM	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Grand Total	0	0	0	0	0	2	22	7	0	31	8	0	0	0	8	1	42	0	0	43	82
Apprch %	0.0	0.0	0.0	0.0		6.5	71.0	22.6	0.0		100. 0	0.0	0.0	0.0		2.3	97.7	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	2.4	26.8	8.5	0.0	37.8	9.8	0.0	0.0	0.0	9.8	1.2	51.2	0.0	0.0	52.4	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: IB

File Name : untitled1
Site Code : 00001111
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: IB

File Name : untitled1
Site Code : 00001111
Start Date : 5/18/2016
Page No : 3

	School Driveway Southbound					Aviation Road Westbound					Cottage Hill Road Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:00 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:00 PM																				
Volume	0	0	0	0	0	0	8	4	0	12	4	0	0	0	4	0	20	0	0	20	36
Percent	0.0	0.0	0.0	0.0		0.0	66.7	33.3	0.0		100. 0	0.0	0.0	0.0		0.0	100. 0	0.0	0.0		
03:00 Volume	0	0	0	0	0	0	3	0	0	3	2	0	0	0	2	0	6	0	0	6	11
Peak Factor																					0.818
High Int.	1:45:00 PM					03:30 PM					03:00 PM					03:00 PM					
Volume	0	0	0	0	0	0	2	2	0	4	2	0	0	0	2	0	6	0	0	6	
Peak Factor																					0.833



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	PM Peak Hour		
INTERSECTION	School Exit RH TURN ONLY & Aviation Road		

Existing (2016) Peak Hour

Period Starts	School Exit Southbound				Aviation Road Eastbound				N/A Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
2:45 PM	0	0	43	43	0	0	0	0	0	0	0	0	0	0	0	0	43
3:00 PM	0	0	6	6	0	0	0	0	0	0	0	0	0	0	0	0	6
3:15 PM	0	0	25	25	0	0	0	0	0	0	0	0	0	0	0	0	25
3:30 PM	0	0	54	54	0	0	0	0	0	0	0	0	0	0	0	0	54
TOTAL	0	0	128	128	0	0	0	0	0	0	0	0	0	0	0	0	128
PHF				0.593				0.000				0.000				0.000	0.593
Percent HV (%)				14.844				0.000				0.000				0.000	14.844

IGNORE
Interval 1-2

5/13/16
2-5:30pm

IB

Interval #3

1

2:39 | Left on Right

|||||

BUS

7

BUS

||

|||||

L

B

B

B

B

B

B

B B

||

||

|||||

2:59

#4

2:59

B

3:01

|||||

#5

|||||

#6

|||||

B

3:33

||

#7

|||||

B

B

B

B

B

B

B

B

B

B

B

B

B

B

B

B

B

B

B

B

B

B

B

31

3

(b) | | | | | | | | |

(i) $11-1411$

12

13

14

15



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/13/16
SUBJECT	PM Peak Hour		
INTERSECTION	School Main Ent, Church, Aviation Road		

Existing (2016) Peak Hour

Period Starts	School Main Entrance Southbound				Aviation Road Eastbound				Church Driveway Northbound				Aviation Road Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
2:45 PM	76	0	6	82	37	72	0	109	0	0	2	2	0	74	39	113	306
3:00 PM	63	0	14	77	18	88	1	107	0	0	0	0	1	85	38	124	308
3:15 PM	61	0	10	71	31	92	0	123	1	0	0	1	0	91	41	132	327
3:30 PM	83	0	7	90	11	97	0	108	0	0	1	1	0	139	39	178	377
TOTAL	283	0	37	320	97	349	1	447	1	0	3	4	0	389	157	547	1318
PHF				0.889				0.909				0.500				0.768	0.874
Percent HV (%)				6.563				3.356				0.000				3.473	4.173

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Mostly Sunny
Collected by: CMH

File Name : MAINEN~3
Site Code : 11111111
Start Date : 5/18/2016
Page No : 1

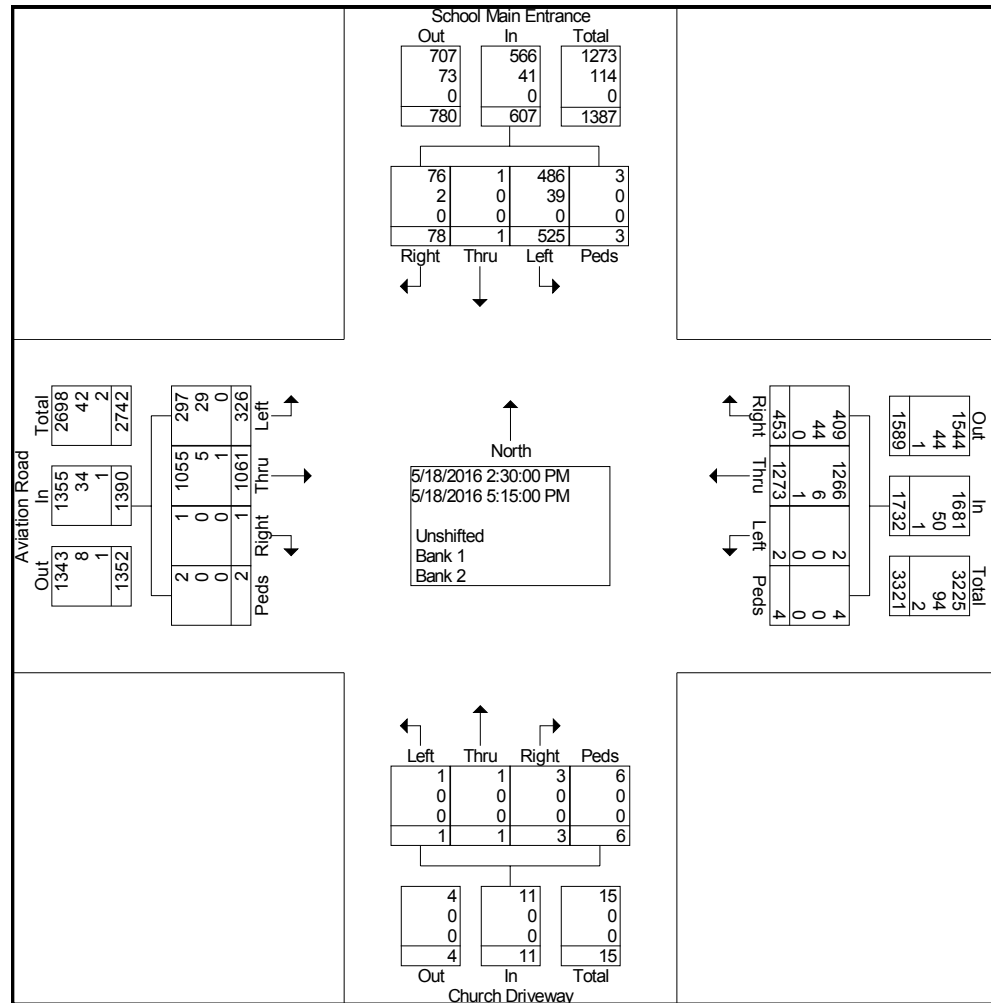
Groups Printed- Unshifted - Bank 1 - Bank 2

	School Main Entrance From North					Aviation Road From East					Church Driveway From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	6	0	27	0	33	48	83	1	0	132	0	0	0	0	0	0	83	36	0	119	284
02:45 PM	6	0	76	0	82	39	74	0	2	115	2	0	0	1	3	0	72	39	0	111	311
Total	12	0	103	0	115	87	157	1	2	247	2	0	0	1	3	0	155	75	0	230	595
03:00 PM	14	0	63	0	77	38	85	1	0	124	0	0	0	0	0	1	89	19	0	109	310
03:15 PM	10	0	61	0	71	41	91	0	0	132	0	0	1	0	1	0	92	40	0	132	336
03:30 PM	7	0	83	0	90	39	139	0	0	178	1	0	0	0	1	0	97	13	0	110	379
03:45 PM	10	0	74	0	84	23	94	0	2	119	0	1	0	0	1	0	87	12	0	99	303
Total	41	0	281	0	322	141	409	1	2	553	1	1	1	0	3	1	365	84	0	450	1328
04:00 PM	9	0	32	1	42	30	129	0	0	159	0	0	0	1	1	0	87	26	0	113	315
04:15 PM	5	0	29	0	34	53	107	0	0	160	0	0	0	3	3	0	83	37	2	122	319
04:30 PM	4	0	20	0	24	50	135	0	0	185	0	0	0	1	1	0	80	30	0	110	320
04:45 PM	4	1	22	0	27	21	110	0	0	131	0	0	0	0	0	0	87	19	0	106	264
Total	22	1	103	1	127	154	481	0	0	635	0	0	0	5	5	0	337	112	2	451	1218
05:00 PM	1	0	22	2	25	42	110	0	0	152	0	0	0	0	0	0	112	25	0	137	314
05:15 PM	2	0	16	0	18	29	116	0	0	145	0	0	0	0	0	0	92	30	0	122	285
Grand Total	78	1	525	3	607	453	1273	2	4	1732	3	1	1	6	11	1	1061	326	2	1390	3740
Apprch %	12.9	0.2	86.5	0.5		26.2	73.5	0.1	0.2		27.3	9.1	9.1	54.5		0.1	76.3	23.5	0.1		
Total %	2.1	0.0	14.0	0.1	16.2	12.1	34.0	0.1	0.1	46.3	0.1	0.0	0.0	0.2	0.3	0.0	28.4	8.7	0.1	37.2	

Weather: Mostly Sunny
Collected by: CMH

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

File Name : MAINEN~3
Site Code : 11111111
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Mostly Sunny
 Collected by: CMH

File Name : MAINEN~3
 Site Code : 11111111
 Start Date : 5/18/2016
 Page No : 3

	School Main Entrance From North					Aviation Road From East					Church Driveway From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	02:45 PM																				
Volume	37	0	283	0	320	157	389	1	2	549	3	0	1	1	5	1	350	111	0	462	1336
Percent	11.6	0.0	88.4	0.0		28.6	70.9	0.2	0.4		60.0	0.0	20.0	20.0		0.2	75.8	24.0	0.0		
03:30																					
Volume	7	0	83	0	90	39	139	0	0	178	1	0	0	0	1	0	97	13	0	110	379
Peak Factor																					0.881
High Int.	03:30 PM					03:30 PM					02:45 PM					03:15 PM					
Volume	7	0	83	0	90	39	139	0	0	178	2	0	0	1	3	0	92	40	0	132	
Peak Factor	0.889					0.771					0.417					0.875					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: CMH

File Name : Main Entrance 5-18-16 PM
Site Code : 11111111
Start Date : 5/18/2016
Page No : 1

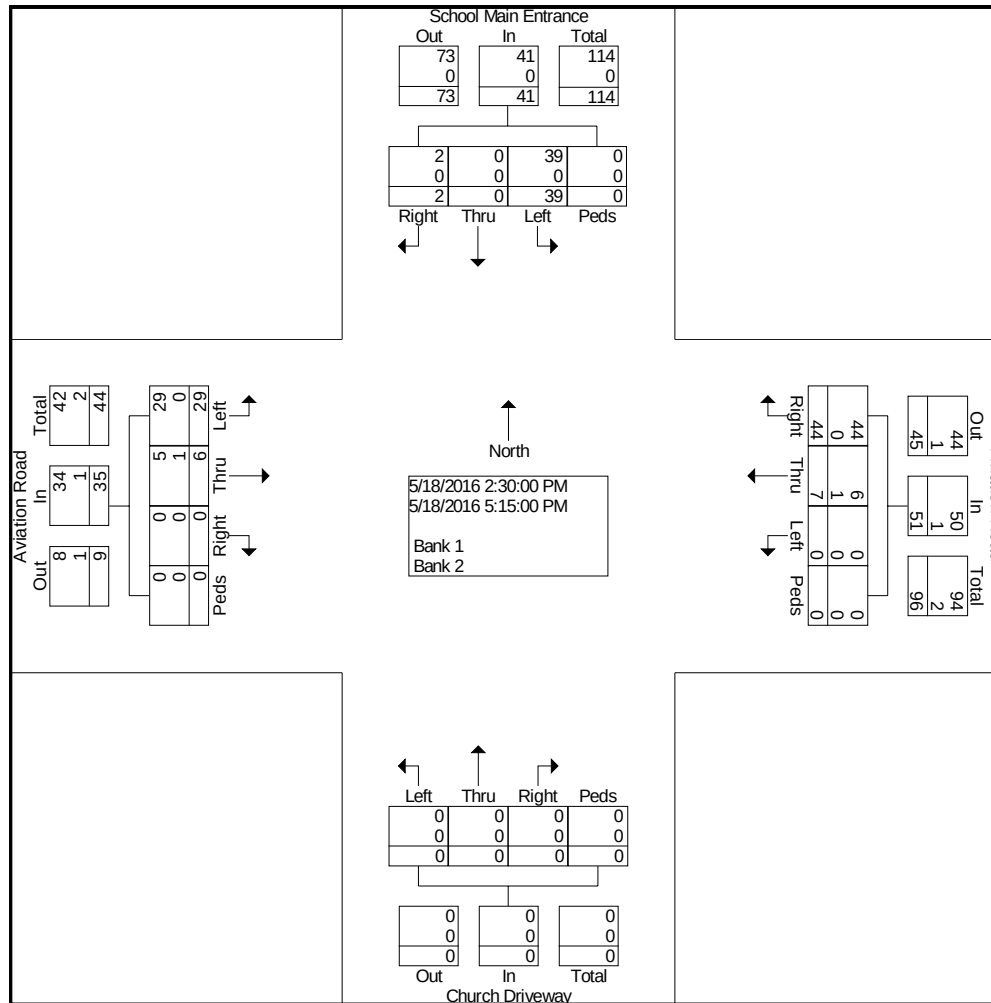
Groups Printed- Bank 1 - Bank 2

	School Main Entrance Southbound					Aviation Road Westbound					Church Driveway Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	0	2	0	2	4	0	0	0	4	0	0	0	0	0	0	1	0	0	1	7
02:45 PM	0	0	13	0	13	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	15
Total	0	0	15	0	15	4	0	0	0	4	0	0	0	0	0	0	1	2	0	3	22
03:00 PM	0	0	7	0	7	3	0	0	0	3	0	0	0	0	0	0	1	1	0	2	12
03:15 PM	0	0	0	0	0	8	1	0	0	9	0	0	0	0	0	0	0	9	0	9	18
03:30 PM	0	0	1	0	1	6	1	0	0	7	0	0	0	0	0	0	0	2	0	2	10
03:45 PM	2	0	13	0	15	4	0	0	0	4	0	0	0	0	0	0	1	0	0	1	20
Total	2	0	21	0	23	21	2	0	0	23	0	0	0	0	0	0	2	12	0	14	60
04:00 PM	0	0	1	0	1	2	1	0	0	3	0	0	0	0	0	0	1	8	0	9	13
04:15 PM	0	0	1	0	1	6	1	0	0	7	0	0	0	0	0	0	0	4	0	4	12
04:30 PM	0	0	0	0	0	6	2	0	0	8	0	0	0	0	0	0	0	2	0	2	10
04:45 PM	0	0	1	0	1	1	1	0	0	2	0	0	0	0	0	0	1	0	0	1	4
Total	0	0	3	0	3	15	5	0	0	20	0	0	0	0	0	0	2	14	0	16	39
05:00 PM	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	0	1	2
05:15 PM	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	1	0	0	1	4
Grand Total	2	0	39	0	41	44	7	0	0	51	0	0	0	0	0	0	6	29	0	35	127
Apprch %	4.9	0.0	95.1	0.0		86.3	13.7	0.0	0.0		0.0	0.0	0.0	0.0		0.0	17.1	82.9	0.0		
Total %	1.6	0.0	30.7	0.0	32.3	34.6	5.5	0.0	0.0	40.2	0.0	0.0	0.0	0.0	0.0	0.0	4.7	22.8	0.0	27.6	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: CMH

File Name : Main Entrance 5-18-16 PM
Site Code : 11111111
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: CMH

File Name : Main Entrance 5-18-16 PM
Site Code : 11111111
Start Date : 5/18/2016
Page No : 3

	School Main Entrance Southbound					Aviation Road Westbound					Church Driveway Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:15 PM																				
Volume	2	0	15	0	17	20	3	0	0	23	0	0	0	0	0	0	2	19	0	21	61
Percent	11.8	0.0	88.2	0.0		87.0	13.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	9.5	90.5	0.0		
03:45																					
Volume	2	0	13	0	15	4	0	0	0	4	0	0	0	0	0	0	1	0	0	1	20
Peak Factor																					0.763
High Int.	03:45 PM					03:15 PM					2:15:00 PM					03:15 PM					
Volume	2	0	13	0	15	8	1	0	0	9	0	0	0	0	0	0	0	9	0	9	
Peak Factor	0.283					0.639										0.583					



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/13/16
SUBJECT	PM Peak Hour		
INTERSECTION	Avation Drive, Burke Drive		

Existing (2016) Peak Hour

Period Starts	N/A				Southbound				Avation Drive Eastbound				Burke Road Northbound				Avation Drive Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
2:45 PM	0	0	0	0	0	145	14	159	6	0	25	31	25	119	0	144	334				
3:00 PM	0	0	0	0	0	156	8	164	4	0	37	41	40	119	0	159	364				
3:15 PM	0	0	0	0	0	144	9	153	4	0	27	31	43	137	0	180	364				
3:30 PM	0	0	0	0	0	183	6	189	6	0	26	32	32	153	0	185	406				
TOTAL	0	0	0	0	0	628	37	665	20	0	115	135	140	528	0	668	1468				
PHF					0.000					0.880					0.823					0.903	0.904
Percent HV (%)					0.000					3.609					2.222					3.743	3.542

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Mostly Sunny
Collected by: RJM

File Name : BURKED~2
Site Code : 00002222
Start Date : 5/18/2016
Page No : 1

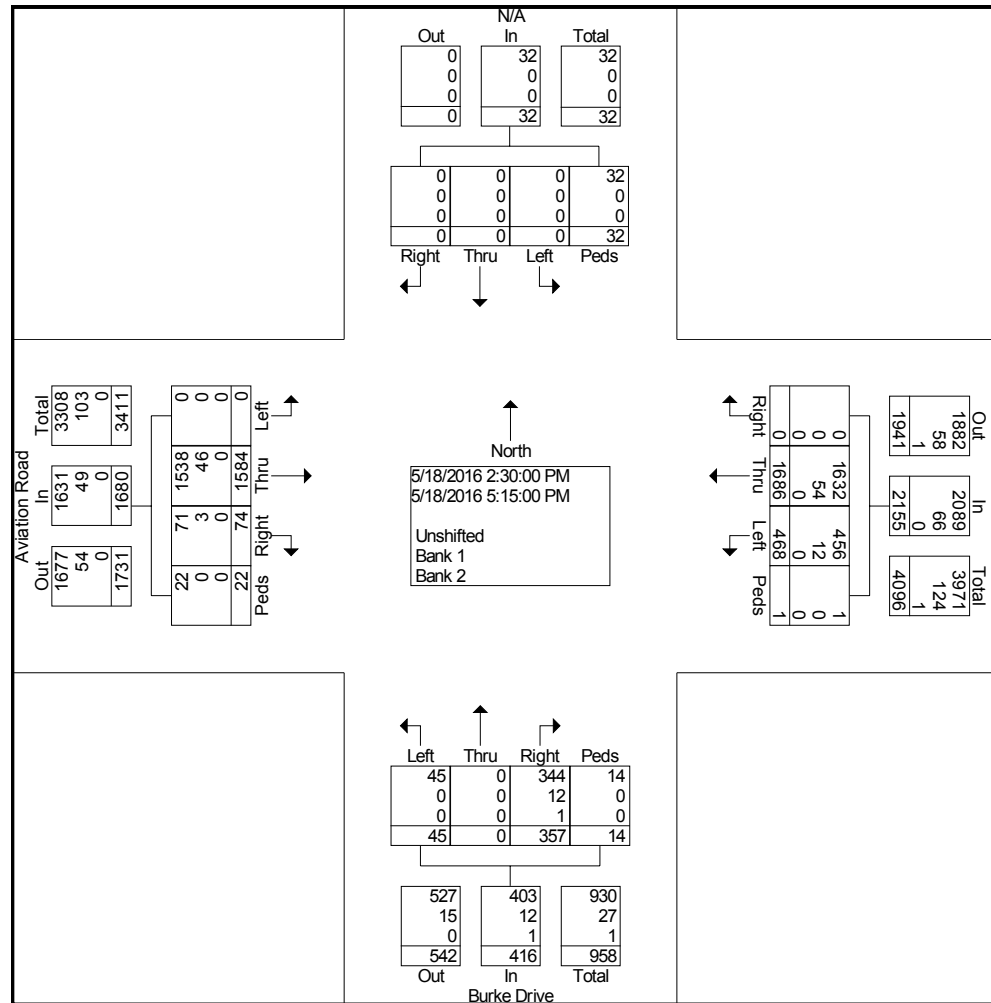
Groups Printed- Unshifted - Bank 1 - Bank 2

	N/A From North					Aviation Road From East					Burke Drive From South					Aviation Road From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	0	0	0	0	0	122	30	0	152	25	0	3	1	29	5	106	0	0	111	292
02:45 PM	0	0	0	24	24	0	119	25	0	144	25	0	6	1	32	14	145	0	7	166	366
Total	0	0	0	24	24	0	241	55	0	296	50	0	9	2	61	19	251	0	7	277	658
03:00 PM	0	0	0	2	2	0	119	40	0	159	37	0	4	4	45	8	156	0	5	169	375
03:15 PM	0	0	0	0	0	0	137	43	0	180	27	0	4	0	31	9	144	0	1	154	365
03:30 PM	0	0	0	3	3	0	153	32	0	185	26	0	6	1	33	6	183	0	2	191	412
03:45 PM	0	0	0	3	3	0	124	41	0	165	46	0	2	0	48	9	159	0	3	171	387
Total	0	0	0	8	8	0	533	156	0	689	136	0	16	5	157	32	642	0	11	685	1539
04:00 PM	0	0	0	0	0	0	143	30	0	173	35	0	4	5	44	2	126	0	1	129	346
04:15 PM	0	0	0	0	0	0	173	42	0	215	34	0	5	0	39	5	106	0	2	113	367
04:30 PM	0	0	0	0	0	0	157	43	0	200	33	0	5	0	38	7	100	0	1	108	346
04:45 PM	0	0	0	0	0	0	136	45	0	181	26	0	2	1	29	3	107	0	0	110	320
Total	0	0	0	0	0	0	609	160	0	769	128	0	16	6	150	17	439	0	4	460	1379
05:00 PM	0	0	0	0	0	0	144	49	1	194	16	0	3	1	20	3	141	0	0	144	358
05:15 PM	0	0	0	0	0	0	159	48	0	207	27	0	1	0	28	3	111	0	0	114	349
Grand Total	0	0	0	32	32	0	1686	468	1	2155	357	0	45	14	416	74	1584	0	22	1680	4283
Apprch %	0.0	0.0	0.0	100. 0		0.0	78.2	21.7	0.0		85.8	0.0	10.8	3.4		4.4	94.3	0.0	1.3		
Total %	0.0	0.0	0.0	0.7	0.7	0.0	39.4	10.9	0.0	50.3	8.3	0.0	1.1	0.3	9.7	1.7	37.0	0.0	0.5	39.2	

Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Mostly Sunny
 Collected by: RJM

File Name : BURKED~2
 Site Code : 00002222
 Start Date : 5/18/2016
 Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Mostly Sunny
 Collected by: RJM

File Name : BURKED~2
 Site Code : 00002222
 Start Date : 5/18/2016
 Page No : 3

	N/A From North					Aviation Road From East					Burke Drive From South					Aviation Road From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:00 PM																				
Volume	0	0	0	8	8	0	533	156	0	689	136	0	16	5	157	32	642	0	11	685	1539
Percent	0.0	0.0	0.0	100.0		0.0	77.4	22.6	0.0		86.6	0.0	10.2	3.2		4.7	93.7	0.0	1.6		
03:30 Volume	0	0	0	3	3	0	153	32	0	185	26	0	6	1	33	6	183	0	2	191	412
Peak Factor																					0.934
High Int.	03:30 PM					03:30 PM					03:45 PM					03:30 PM					
Volume	0	0	0	3	3	0	153	32	0	185	46	0	2	0	48	6	183	0	2	191	
Peak Factor	0.667					0.931					0.818					0.897					

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: RJM

File Name : untitled1
Site Code : 00002222
Start Date : 5/18/2016
Page No : 1

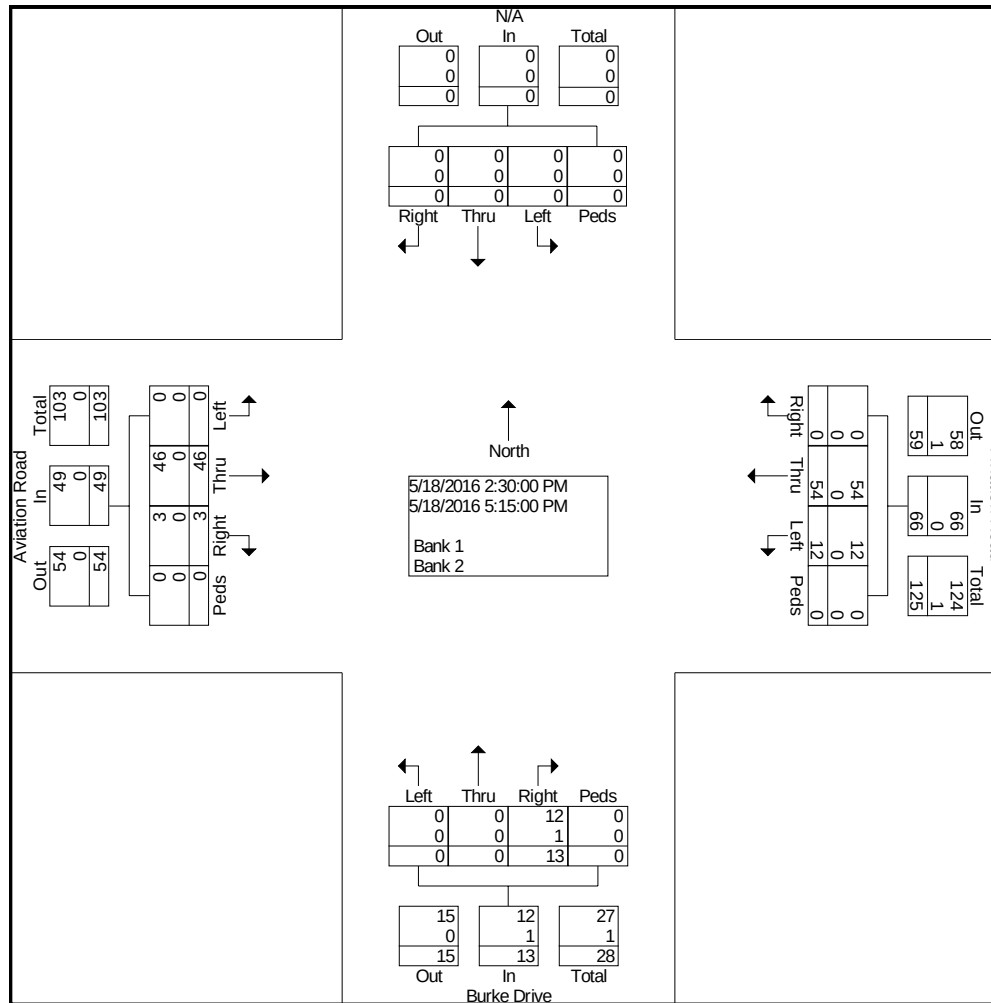
Groups Printed- Bank 1 - Bank 2

	N/A Southbound					Aviation Road Westbound					Burke Drive Northbound					Aviation Road Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	0	0	0	0	0	3	1	0	4	3	0	0	0	3	0	4	0	0	4	11
02:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2	9	0	0	11	13
Total	0	0	0	0	0	0	5	1	0	6	3	0	0	0	3	2	13	0	0	15	24
03:00 PM	0	0	0	0	0	0	3	2	0	5	1	0	0	0	1	0	10	0	0	10	16
03:15 PM	0	0	0	0	0	0	12	2	0	14	2	0	0	0	2	0	2	0	0	2	18
03:30 PM	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	1	0	0	1	5
03:45 PM	0	0	0	0	0	0	6	2	0	8	2	0	0	0	2	1	11	0	0	12	22
Total	0	0	0	0	0	0	25	6	0	31	5	0	0	0	5	1	24	0	0	25	61
04:00 PM	0	0	0	0	0	0	3	1	0	4	2	0	0	0	2	0	2	0	0	2	8
04:15 PM	0	0	0	0	0	0	8	1	0	9	2	0	0	0	2	0	1	0	0	1	12
04:30 PM	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	2	0	0	2	8
04:45 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	2	0	0	2	4
Total	0	0	0	0	0	0	19	2	0	21	4	0	0	0	4	0	7	0	0	7	32
05:00 PM	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	3
05:15 PM	0	0	0	0	0	0	3	3	0	6	1	0	0	0	1	0	1	0	0	1	8
Grand Total	0	0	0	0	0	0	54	12	0	66	13	0	0	0	13	3	46	0	0	49	128
Apprch %	0.0	0.0	0.0	0.0		0.0	81.8	18.2	0.0		100. 0	0.0	0.0	0.0		6.1	93.9	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	42.2	9.4	0.0	51.6	10.2	0.0	0.0	0.0	10.2	2.3	35.9	0.0	0.0	38.3	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: RJM

File Name : untitled1
Site Code : 00002222
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: RJM

File Name : untitled1
Site Code : 00002222
Start Date : 5/18/2016
Page No : 3

	N/A Southbound					Aviation Road Westbound					Burke Drive Northbound					Aviation Road Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:00 PM																				
Volume	0	0	0	0	0	0	25	6	0	31	5	0	0	0	5	1	24	0	0	25	61
Percent	0.0	0.0	0.0	0.0		0.0	80.6	19.4	0.0		100.0	0.0	0.0	0.0		4.0	96.0	0.0	0.0		
03:45																					
Volume	0	0	0	0	0	0	6	2	0	8	2	0	0	0	2	1	11	0	0	12	22
Peak Factor																					0.693
High Int.	2:15:00 PM					03:15 PM					03:15 PM					03:45 PM					
Volume	0	0	0	0	0	0	12	2	0	14	2	0	0	0	2	1	11	0	0	12	
Peak Factor																					0.521



Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/13/16
SUBJECT	PM Peak Hour		
INTERSECTION	School Main Entrance, Parking Lot Dwy		

Existing (2016) Peak Hour

Period Starts	School Main Entrance Southbound				N/A Eastbound				School Main Entrance Northbound				Parking Lot Driveway Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
2:45 PM	7	82	0	89	0	0	0	0	0	59	23	82	0	0	58	58	229
3:00 PM	2	86	0	88	0	0	0	0	0	47	11	58	0	0	36	36	182
3:15 PM	1	60	0	61	0	0	0	0	0	75	14	89	0	0	11	11	161
3:30 PM	2	104	0	106	0	0	0	0	0	32	18	50	0	0	27	27	183
TOTAL	12	332	0	344	0	0	0	0	0	213	66	279	0	0	132	132	755
PHF				0.811				0.000				0.784				0.569	0.824
Percent HV (%)				6.395				0.000				11.111				0.000	7.020

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

Weather: Mostly Sunny
Collected by: CIS

File Name : MAINEN~2
Site Code : 12345678
Start Date : 5/18/2016
Page No : 1

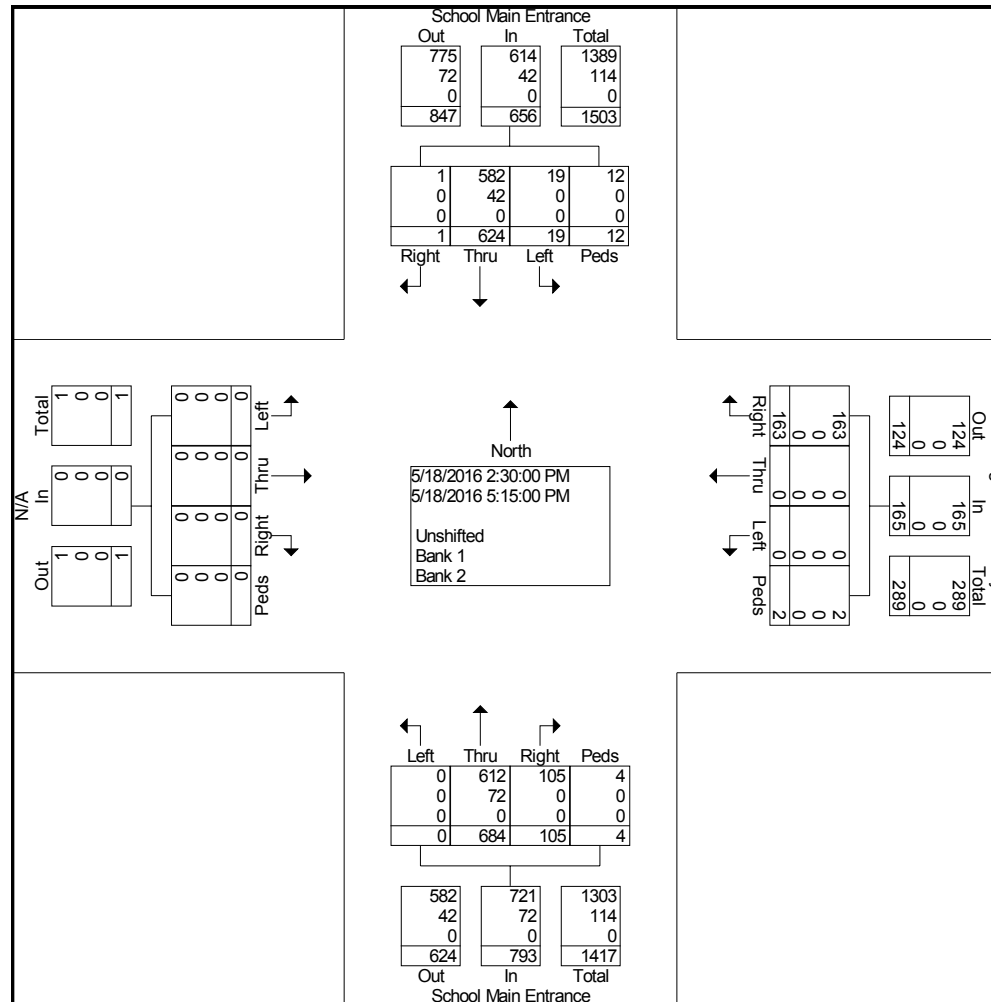
Groups Printed- Unshifted - Bank 1 - Bank 2

	School Main Entrance From North					Parking Lot Driveway From East					School Main Entrance From South					N/A From West					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	36	6	0	42	7	0	0	0	7	21	59	0	0	80	0	0	0	0	0	129
02:45 PM	0	82	7	10	99	58	0	0	1	59	23	59	0	0	82	0	0	0	0	0	240
Total	0	118	13	10	141	65	0	0	1	66	44	118	0	0	162	0	0	0	0	0	369
03:00 PM	0	86	2	0	88	36	0	0	0	36	11	47	0	0	58	0	0	0	0	0	182
03:15 PM	0	60	1	0	61	11	0	0	0	11	14	75	0	0	89	0	0	0	0	0	161
03:30 PM	0	104	2	1	107	27	0	0	0	27	18	32	0	0	50	0	0	0	0	0	184
03:45 PM	0	76	1	1	78	16	0	0	1	17	13	28	0	1	42	0	0	0	0	0	137
Total	0	326	6	2	334	90	0	0	1	91	56	182	0	1	239	0	0	0	0	0	664
04:00 PM	1	46	0	0	47	4	0	0	0	4	2	50	0	0	52	0	0	0	0	0	103
04:15 PM	0	34	0	0	34	2	0	0	0	2	2	85	0	3	90	0	0	0	0	0	126
04:30 PM	0	29	0	0	29	0	0	0	0	0	1	79	0	0	80	0	0	0	0	0	109
04:45 PM	0	26	0	0	26	1	0	0	0	1	0	46	0	0	46	0	0	0	0	0	73
Total	1	135	0	0	136	7	0	0	0	7	5	260	0	3	268	0	0	0	0	0	411
05:00 PM	0	27	0	0	27	1	0	0	0	1	0	60	0	0	60	0	0	0	0	0	88
05:15 PM	0	18	0	0	18	0	0	0	0	0	0	64	0	0	64	0	0	0	0	0	82
Grand Total	1	624	19	12	656	163	0	0	2	165	105	684	0	4	793	0	0	0	0	0	1614
Apprch %	0.2	95.1	2.9	1.8		98.8	0.0	0.0	1.2		13.2	86.3	0.0	0.5		0.0	0.0	0.0	0.0		
Total %	0.1	38.7	1.2	0.7	40.6	10.1	0.0	0.0	0.1	10.2	6.5	42.4	0.0	0.2	49.1	0.0	0.0	0.0	0.0	0.0	

Weather: Mostly Sunny
Collected by: CIS

Barton & Loguidice, D.P.C.
10 Airline Drive - Suite 200
Albany, New York 12205
(518) 218-1801

File Name : MAINEN~2
Site Code : 12345678
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
 10 Airline Drive - Suite 200
 Albany, New York 12205
 (518) 218-1801

Weather: Mostly Sunny
 Collected by: CIS

File Name : MAINEN~2
 Site Code : 12345678
 Start Date : 5/18/2016
 Page No : 3

	School Main Entrance From North					Parking Lot Driveway From East					School Main Entrance From South					N/A From West					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	02:45 PM																				
Volume	0	332	12	11	355	132	0	0	1	133	66	213	0	0	279	0	0	0	0	0	767
Percent	0.0	93.5	3.4	3.1		99.2	0.0	0.0	0.8		23.7	76.3	0.0	0.0		0.0	0.0	0.0	0.0		
02:45																					
Volume	0	82	7	10	99	58	0	0	1	59	23	59	0	0	82	0	0	0	0	0	240
Peak Factor																					0.799
High Int.	03:30 PM					02:45 PM					03:15 PM					2:15:00 PM					
Volume	0	104	2	1	107	58	0	0	1	59	14	75	0	0	89						
Peak Factor	0.829					0.564					0.784										

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: CIS

File Name : untitled1
Site Code : 12345678
Start Date : 5/18/2016
Page No : 1

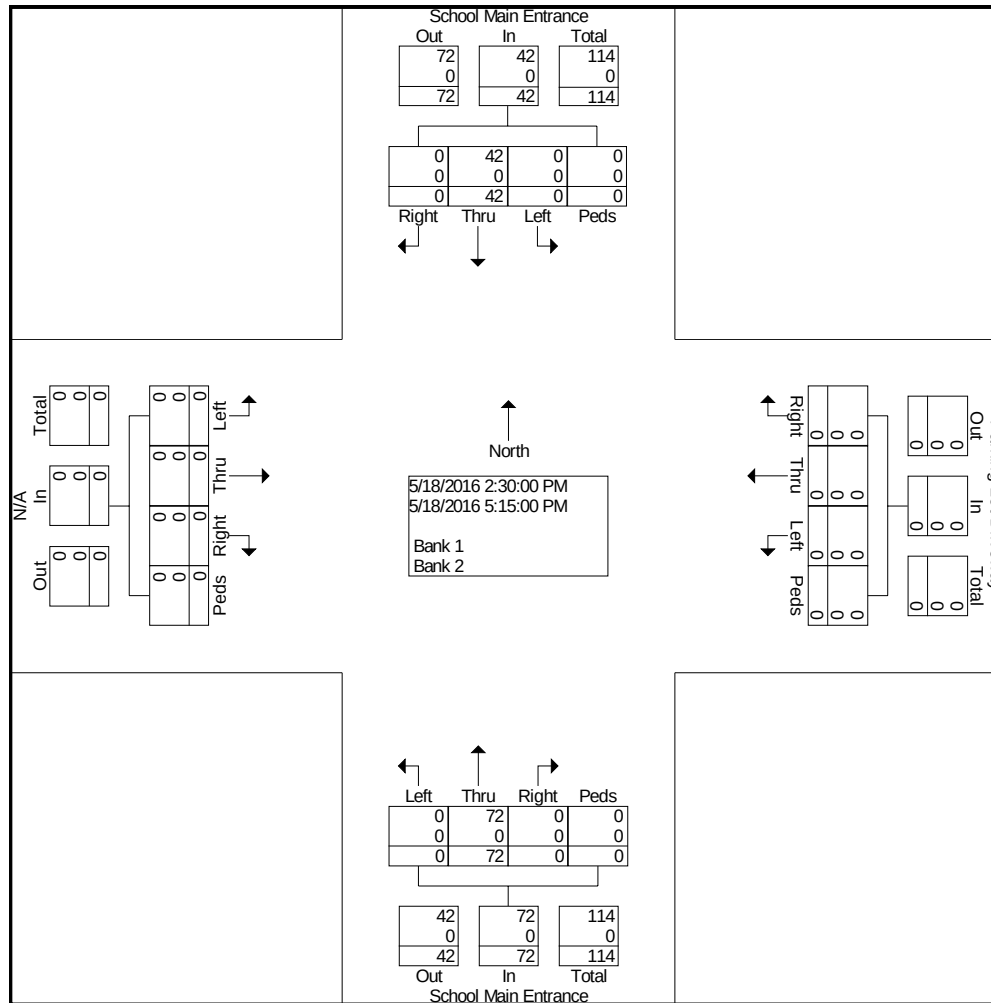
Groups Printed- Bank 1 - Bank 2

	School Main Entrance Southbound					Parking Lot Driveway Westbound					School Main Entrance Northbound					N/A Eastbound					Int. Total
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Factor	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0		
02:30 PM	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	5
02:45 PM	0	13	0	0	13	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	15
Total	0	15	0	0	15	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	20
03:00 PM	0	8	0	0	8	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	12
03:15 PM	0	0	0	0	0	0	0	0	0	0	0	17	0	0	17	0	0	0	0	0	17
03:30 PM	0	1	0	0	1	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	9
03:45 PM	0	15	0	0	15	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	19
Total	0	24	0	0	24	0	0	0	0	0	0	33	0	0	33	0	0	0	0	0	57
04:00 PM	0	1	0	0	1	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	11
04:15 PM	0	1	0	0	1	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	11
04:30 PM	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	6
04:45 PM	0	1	0	0	1	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	4
Total	0	3	0	0	3	0	0	0	0	0	0	29	0	0	29	0	0	0	0	0	32
05:00 PM	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	2
05:15 PM	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	3
Grand Total	0	42	0	0	42	0	0	0	0	0	0	72	0	0	72	0	0	0	0	0	114
Apprch %	0.0	100. 0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100. 0	0.0	0.0		0.0	0.0	0.0	0.0		
Total %	0.0	36.8	0.0	0.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0	63.2	0.0	0.0	63.2	0.0	0.0	0.0	0.0	0.0	

Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: CIS

File Name : untitled1
Site Code : 12345678
Start Date : 5/18/2016
Page No : 2



Barton & Loguidice, D.P.C.
10 Airline Drive, Suite 200
Albany NY, 12205

Weather: Mostly Sunny
Collected by: CIS

File Name : untitled1
Site Code : 12345678
Start Date : 5/18/2016
Page No : 3

	School Main Entrance Southbound					Parking Lot Driveway Westbound					School Main Entrance Northbound					N/A Eastbound					
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour From 02:30 PM to 05:15 PM - Peak 1 of 1																					
Intersection	03:00 PM																				
Volume	0	24	0	0	24	0	0	0	0	0	0	33	0	0	33	0	0	0	0	0	57
Percent	0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	100.0	0.0	0.0		0.0	0.0	0.0	0.0		
03:45																					
Volume	0	15	0	0	15	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	19
Peak Factor																					0.750
High Int.	03:45 PM					2:15:00 PM					03:15 PM					2:15:00 PM					
Volume	0	15	0	0	15	0	0	0	0	0	0	17	0	0	17						
Peak Factor	0.400										0.485										



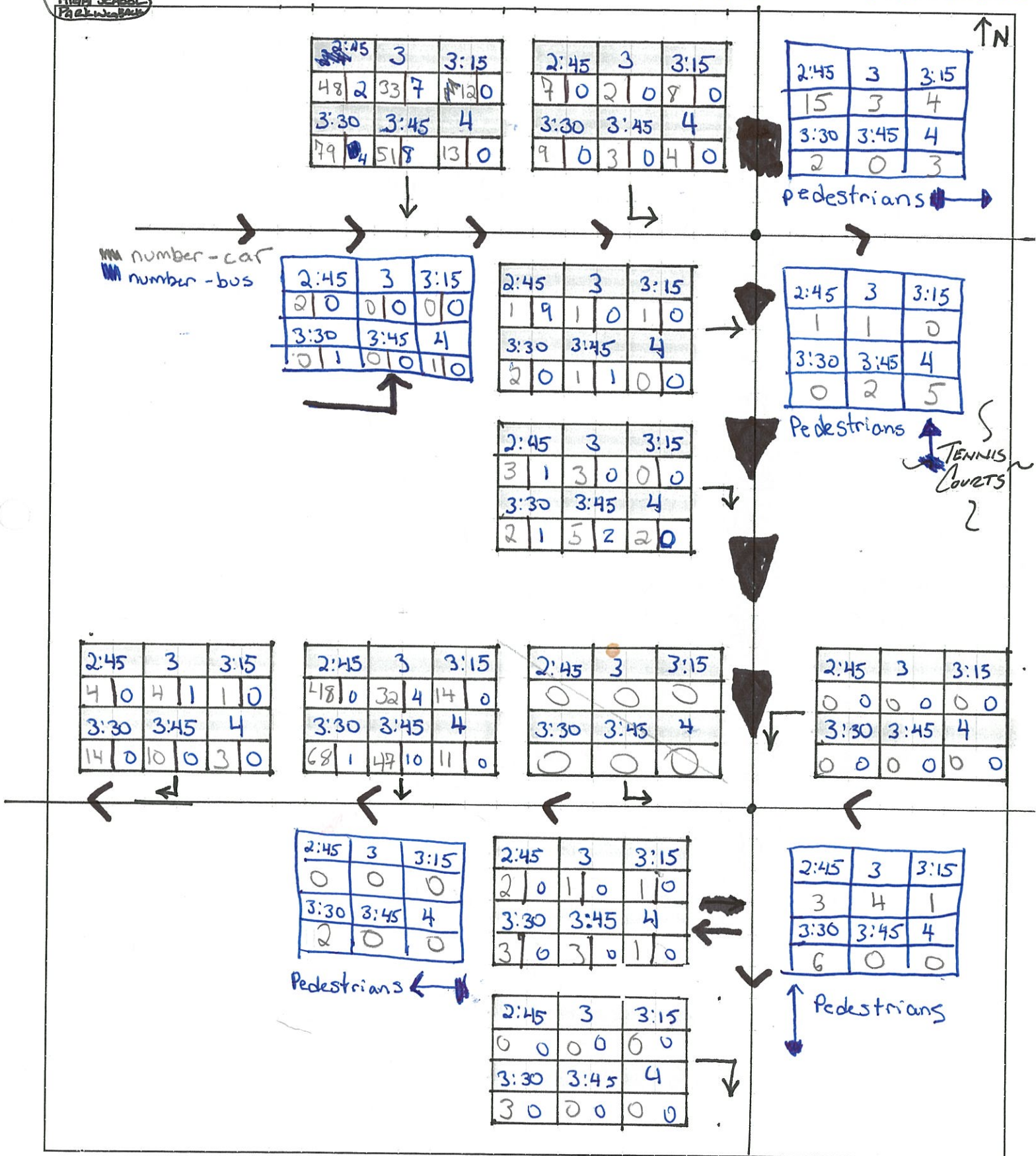
Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	PM Peak Hour		
INTERSECTION	North & West Tennis Court Roads		

Existing (2016) Peak Hour

Period Starts	West Side Tennis Court Rd Southbound				North Side Tennis Court Rd Eastbound				West Side Tennis Court Rd Northbound				North Side Tennis Court Rd Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
2:45 PM	7	50	0	57	2	10	4	16	0	0	0	0	0	0	0	0	73
3:00 PM	2	40	0	42	0	1	3	4	0	0	0	0	0	0	0	0	46
3:15 PM	8	12	0	20	0	1	0	1	0	0	0	0	0	0	0	0	21
3:30 PM	9	83	0	92	1	2	3	6	0	0	0	0	0	0	0	0	98
TOTAL	26	185	0	211	3	14	10	27	0	0	0	0	0	0	0	0	238
PHF				0.573				0.422				0.000				0.000	0.607
Percent HV (%)				6.161				44.444				0.000				0.000	10.504





Engineers • Environmental Scientists • Planners • Landscape Architects

10 Airline Drive, Suite 200, Albany, NY 12205
Phone 518.218.1801 • Fax 518.218.1805

JOB	1896.001 - AGFTC-Aviation Rd/QUFSD Access Operation		
SHEET NO.	1	of	
CALC. BY	AEC	DATE	07/08/16
CHCKD. BY	PJC	DATE	07/14/16
SUBJECT	PM Peak Hour		
INTERSECTION	South & West Tennis Court Roads		

Existing (2016) Peak Hour

Period Starts	West Side Tennis Court Rd Southbound				South Side Tennis Court Rd Eastbound				West Side Tennis Court Rd Northbound				South Side Tennis Court Rd Westbound				Interval Totals
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App Total	
2:45 PM	0	48	4	52	0	0	0	0	0	0	0	0	0	2	0	2	54
3:00 PM	0	36	5	41	0	0	0	0	0	0	0	0	0	1	0	1	42
3:15 PM	0	14	1	15	0	0	0	0	0	0	0	0	0	1	0	1	16
3:30 PM	0	69	14	83	0	0	0	0	0	0	0	0	0	3	0	3	86
TOTAL	0	167	24	191	0	0	0	0	0	0	0	0	0	7	0	7	198
PHF				0.575				0.000				0.000				0.583	0.576
Percent HV (%)				3.141				0.000				0.000				0.000	3.030



APPENDIX E

LEVEL OF SERVICE ANALYSIS

Existing AM LOS
Aviation Road/Manor Drive/Midnight Drive

7/18/2016

Intersection												
Int Delay, s/veh	2.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑			↑			↕			↕	
Traffic Vol, veh/h	1	501	2	26	271	18	1	1	35	15	2	3
Future Vol, veh/h	1	501	2	26	271	18	1	1	35	15	2	3
Conflicting Peds, #/hr	0	0	1	1	0	0	2	0	5	5	0	2
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	60	60	60	90	90	90	37	37	37	63	63	63
Heavy Vehicles, %	3	3	3	8	8	8	3	3	3	0	0	0
Mvmt Flow	2	835	3	29	301	20	3	3	95	24	3	5
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	321	0	0	839	0	0	1216	1220	843	1263	1212	313
Stage 1	-	-	-	-	-	-	841	841	-	369	369	-
Stage 2	-	-	-	-	-	-	375	379	-	894	843	-
Critical Hdwy	4.13	-	-	4.18	-	-	7.13	6.53	6.23	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.13	5.53	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.13	5.53	-	6.1	5.5	-
Follow-up Hdwy	2.227	-	-	2.272	-	-	3.527	4.027	3.327	3.5	4	3.3
Pot Cap-1 Maneuver	1233	-	-	770	-	-	157	179	362	148	184	732
Stage 1	-	-	-	-	-	-	358	379	-	655	624	-
Stage 2	-	-	-	-	-	-	644	613	-	338	382	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1231	-	-	766	-	-	148	170	360	103	175	731
Mov Cap-2 Maneuver	-	-	-	-	-	-	148	170	-	103	175	
Stage 1	-	-	-	-	-	-	357	378	-	653	595	-
Stage 2	-	-	-	-	-	-	606	585	-	245	380	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0.8			20.1			43.7		
HCM LOS							C			E		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	337	1231	-	-	766	-	-	124				
HCM Lane V/C Ratio	0.297	0.001	-	-	0.038	-	-	0.256				
HCM Control Delay (s)	20.1	7.9	-	-	9.9	-	-	43.7				
HCM Lane LOS	C	A	-	-	A	-	-	E				
HCM 95th %tile Q(veh)	1.2	0	-	-	0.1	-	-	1				

Existing AM LOS
Aviation Road/High School Parking Lot West Exit

7/18/2016

Intersection						
Int Delay, s/veh	6					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↓	↓
Traffic Vol, veh/h	0	550	253	0	69	80
Future Vol, veh/h	0	550	253	0	69	80
Conflicting Peds, #/hr	0	0	0	0	3	2
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	58	58	86	86	35	35
Heavy Vehicles, %	3	3	10	10	2	2
Mvmt Flow	0	948	294	0	197	229
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	1245	296
Stage 1	-	-	-	-	294	-
Stage 2	-	-	-	-	951	-
Critical Hdwy	-	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	0	-	-	0	~ 192	743
Stage 1	0	-	-	0	756	-
Stage 2	0	-	-	0	375	-
Platoon blocked, %		-	-			
Mov Cap-1 Maneuver	-	-	-	-	~ 192	742
Mov Cap-2 Maneuver	-	-	-	-	301	-
Stage 1	-	-	-	-	756	-
Stage 2	-	-	-	-	375	-
Approach	EB		WB		SB	
HCM Control Delay, s	0		0		23.6	
HCM LOS					C	
Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2		
Capacity (veh/h)	-	-	301	742		
HCM Lane V/C Ratio	-	-	0.655	0.308		
HCM Control Delay (s)	-	-	37.1	12		
HCM Lane LOS	-	-	E	B		
HCM 95th %tile Q(veh)	-	-	4.3	1.3		
Notes						
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon						

Existing AM LOS
Aviation Road/Prospect Road

7/18/2016

Intersection

Int Delay, s/veh 0.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑		↓	↑	↓	
Traffic Vol, veh/h	615	4	6	250	1	23
Future Vol, veh/h	615	4	6	250	1	23
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	75	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	53	53	89	89	68	68
Heavy Vehicles, %	2	2	9	9	4	4
Mvmt Flow	1160	8	7	281	1	34

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	1168
Stage 1	-	-	1164
Stage 2	-	-	294
Critical Hdwy	-	4.19	6.44
Critical Hdwy Stg 1	-	-	5.44
Critical Hdwy Stg 2	-	-	5.44
Follow-up Hdwy	-	2.281	3.536
Pot Cap-1 Maneuver	-	574	141
Stage 1	-	-	294
Stage 2	-	-	752
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	574	139
Mov Cap-2 Maneuver	-	-	239
Stage 1	-	-	294
Stage 2	-	-	743

Approach	EB	WB	NB
HCM Control Delay, s	0	0.3	23
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	235	-	-	574	-
HCM Lane V/C Ratio	0.15	-	-	0.012	-
HCM Control Delay (s)	23	-	-	11.3	-
HCM Lane LOS	C	-	-	B	-
HCM 95th %tile Q(veh)	0.5	-	-	0	-

Existing AM LOS
Aviation Road/High School Entrance/Cottage Hill Road

7/18/2016

Intersection												
Int Delay, s/veh	2.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	137	456	5	39	221	128	0	2	69	0	0	0
Future Vol, veh/h	137	456	5	39	221	128	0	2	69	0	0	0
Conflicting Peds, #/hr	1	0	2	2	0	1	3	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	75	-	-	0	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	54	54	54	57	57	57	81	81	81	92	92	92
Heavy Vehicles, %	3	3	3	5	5	5	9	9	9	0	0	0
Mvmt Flow	254	844	9	68	388	225	0	2	85	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	613	0	0	856	0	0	1998	2108	851
Stage 1	-	-	-	-	-	-	1358	1358	-
Stage 2	-	-	-	-	-	-	640	750	-
Critical Hdwy	4.13	-	-	4.15	-	-	6.49	6.59	6.29
Critical Hdwy Stg 1	-	-	-	-	-	-	5.49	5.59	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.49	5.59	-
Follow-up Hdwy	2.227	-	-	2.245	-	-	3.581	4.081	3.381
Pot Cap-1 Maneuver	961	-	-	771	-	-	63	49	350
Stage 1	-	-	-	-	-	-	231	210	-
Stage 2	-	-	-	-	-	-	512	409	-
Platoon blocked, %		-	-		-	-			
Mov Cap-1 Maneuver	958	-	-	771	-	-	42	0	349
Mov Cap-2 Maneuver	-	-	-	-	-	-	42	0	-
Stage 1	-	-	-	-	-	-	169	0	-
Stage 2	-	-	-	-	-	-	466	0	-

Approach	EB	WB	NB
HCM Control Delay, s	2.3	1	18.7
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (veh/h)	349	958	-	-	771	-	-
HCM Lane V/C Ratio	0.251	0.265	-	-	0.089	-	-
HCM Control Delay (s)	18.7	10.1	-	-	10.1	-	-
HCM Lane LOS	C	B	-	-	B	-	-
HCM 95th %tile Q(veh)	1	1.1	-	-	0.3	-	-

Existing AM LOS
Aviation Road/QUFSD Campus Right-Out Exit

7/18/2016

Intersection

Int Delay, s/veh 1

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑			↑
Traffic Vol, veh/h	0	500	356	0	0	59
Future Vol, veh/h	0	500	356	0	0	59
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	62	62
Heavy Vehicles, %	2	2	2	2	0	0
Mvmt Flow	0	543	387	0	0	95

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	- 0	- 0	- 387
Stage 1	- -	- -	- -
Stage 2	- -	- -	- -
Critical Hdwy	- -	- -	- 6.2
Critical Hdwy Stg 1	- -	- -	- -
Critical Hdwy Stg 2	- -	- -	- -
Follow-up Hdwy	- -	- -	- 3.3
Pot Cap-1 Maneuver	0 -	- 0	0 665
Stage 1	0 -	- 0	0 -
Stage 2	0 -	- 0	0 -
Platoon blocked, %	- -	- -	- -
Mov Cap-1 Maneuver	- -	- -	- 665
Mov Cap-2 Maneuver	- -	- -	- -
Stage 1	- -	- -	- -
Stage 2	- -	- -	- -

Approach	EB	WB	SB
HCM Control Delay, s	0	0	11.3
HCM LOS			B

Minor Lane/Major Mvmt	EBT	WBT	SBLn1
Capacity (veh/h)	- -	- 665	
HCM Lane V/C Ratio	- -	- 0.143	
HCM Control Delay (s)	- -	- 11.3	
HCM Lane LOS	- -	- B	
HCM 95th %tile Q(veh)	- -	- 0.5	

Existing AM LOS

Aviation Road/QUFSD Campus Main Entrance Drive/Church Driveway

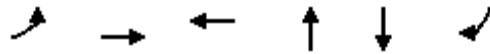
7/18/2016

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	239	303	4	0	299	369	0	3	0	224	0	68
Future Volume (veh/h)	239	303	4	0	299	369	0	3	0	224	0	68
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.99
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1900	1900	1900	1900	1776	1776
Adj Flow Rate, veh/h	299	379	5	0	369	456	0	12	0	356	0	108
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	0	1	1
Peak Hour Factor	0.80	0.80	0.80	0.81	0.81	0.81	0.25	0.25	0.25	0.63	0.63	0.63
Percent Heavy Veh, %	4	4	4	4	4	4	0	0	0	7	7	7
Cap, veh/h	315	1251	17	1	351	433	52	413	0	334	0	324
Arrive On Green	0.18	0.70	0.70	0.00	0.47	0.47	0.00	0.22	0.00	0.22	0.00	0.22
Sat Flow, veh/h	1740	1799	24	1740	745	920	1306	1900	0	1295	0	1489
Grp Volume(v), veh/h	299	0	384	0	0	825	0	12	0	356	0	108
Grp Sat Flow(s),veh/h/ln	1740	0	1823	1740	0	1665	1306	1900	0	1295	0	1489
Q Serve(g_s), s	23.4	0.0	11.2	0.0	0.0	65.0	0.0	0.7	0.0	29.3	0.0	8.4
Cycle Q Clear(g_c), s	23.4	0.0	11.2	0.0	0.0	65.0	0.0	0.7	0.0	30.0	0.0	8.4
Prop In Lane	1.00		0.01	1.00		0.55	1.00		0.00	1.00		1.00
Lane Grp Cap(c), veh/h	315	0	1268	1	0	784	52	413	0	334	0	324
V/C Ratio(X)	0.95	0.00	0.30	0.00	0.00	1.05	0.00	0.03	0.00	1.07	0.00	0.33
Avail Cap(c_a), veh/h	315	0	1268	189	0	784	52	413	0	334	0	324
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00	0.00	1.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	55.9	0.0	8.1	0.0	0.0	36.5	0.0	42.5	0.0	56.6	0.0	45.6
Incr Delay (d2), s/veh	39.1	0.0	0.6	0.0	0.0	46.8	0.0	0.1	0.0	68.1	0.0	2.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	14.7	0.0	5.8	0.0	0.0	40.0	0.0	0.4	0.0	19.0	0.0	3.7
LnGrp Delay(d),s/veh	95.0	0.0	8.7	0.0	0.0	83.3	0.0	42.7	0.0	124.7	0.0	48.3
LnGrp LOS	F		A			F		D		F		D
Approach Vol, veh/h		683			825			12			464	
Approach Delay, s/veh		46.5			83.3			42.7			106.9	
Approach LOS		D			F			D			F	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		36.0	0.0	102.0		36.0	31.0	71.0				
Change Period (Y+Rc), s		6.0	5.0	6.0		6.0	6.0	6.0				
Max Green Setting (Gmax), s		30.0	15.0	76.0		30.0	25.0	65.0				
Max Q Clear Time (g_c+I1), s		2.7	0.0	13.2		32.0	25.4	67.0				
Green Ext Time (p_c), s		2.8	0.0	14.1		0.0	0.0	0.0				
Intersection Summary												
HCM 2010 Ctrl Delay			75.9									
HCM 2010 LOS			E									

Existing AM Queue

Aviation Road/QUFSD Campus Main Entrance Drive/Church Driveway

7/18/2016



Lane Group	EBL	EBT	WBT	NBT	SBT	SBR
Lane Group Flow (vph)	299	384	825	12	356	108
v/c Ratio	0.95	0.38	1.00	0.03	1.24	0.27
Control Delay	95.6	19.0	66.4	43.0	178.6	9.0
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	95.6	19.0	66.4	43.0	178.6	9.0
Queue Length 50th (ft)	269	189	~703	9	~395	0
Queue Length 95th (ft)	#368	224	#813	7	#336	9
Internal Link Dist (ft)		320	531	57	120	
Turn Bay Length (ft)	200					
Base Capacity (vph)	314	1004	821	413	287	401
Starvation Cap Reductn	0	0	0	0	0	0
Spillback Cap Reductn	0	0	0	0	0	0
Storage Cap Reductn	0	0	0	0	0	0
Reduced v/c Ratio	0.95	0.38	1.00	0.03	1.24	0.27

Intersection Summary

- ~ 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.

Existing AM LOS
Aviation Road/Burke Drive

7/18/2016

Intersection

Int Delay, s/veh 6.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	493	43	77	605	55	156
Future Vol, veh/h	493	43	77	605	55	156
Conflicting Peds, #/hr	0	16	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	90	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	88	88	80	80	74	74
Heavy Vehicles, %	5	5	6	6	2	2
Mvmt Flow	560	49	96	756	74	211

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	1550
Stage 1	-	-	601
Stage 2	-	-	949
Critical Hdwy	-	4.16	6.42
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	-	2.254	3.518
Pot Cap-1 Maneuver	-	937	125
Stage 1	-	-	547
Stage 2	-	-	376
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	937	110
Mov Cap-2 Maneuver	-	-	236
Stage 1	-	-	539
Stage 2	-	-	337

Approach	EB	WB	NB
HCM Control Delay, s	0	1	37
HCM LOS			E

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	384	-	-	937	-
HCM Lane V/C Ratio	0.743	-	-	0.103	-
HCM Control Delay (s)	37	-	-	9.3	-
HCM Lane LOS	E	-	-	A	-
HCM 95th %tile Q(veh)	5.9	-	-	0.3	-

Intersection												
Int Delay, s/veh	6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					↕			↕			↕	
Traffic Vol, veh/h	0	0	0	0	0	223	0	422	223	5	286	1
Future Vol, veh/h	0	0	0	0	0	223	0	422	223	5	286	1
Conflicting Peds, #/hr	0	0	0	0	0	2	0	0	0	0	0	1
Sign Control	Yield	Yield	Yield	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	71	71	71	79	79	79	74	74	74
Heavy Vehicles, %	0	0	0	1	1	1	6	6	6	7	7	7
Mvmt Flow	0	0	0	0	0	314	0	534	282	7	386	1
Major/Minor				Minor1			Major1			Major2		
Conflicting Flow All				882	1077	677	389	0	0	816	0	0
Stage 1				675	675	-	-	-	-	-	-	-
Stage 2				207	402	-	-	-	-	-	-	-
Critical Hdwy				6.615	6.515	6.215	4.19	-	-	4.205	-	-
Critical Hdwy Stg 1				5.415	5.515	-	-	-	-	-	-	-
Critical Hdwy Stg 2				5.815	5.515	-	-	-	-	-	-	-
Follow-up Hdwy				3.5095	4.0095	3.3095	2.257	-	-	2.2665	-	-
Pot Cap-1 Maneuver				302	220	454	1143	-	-	783	-	-
Stage 1				507	454	-	-	-	-	-	-	-
Stage 2				811	602	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver				299	0	453	1143	-	-	782	-	-
Mov Cap-2 Maneuver				299	0	-	-	-	-	-	-	-
Stage 1				507	0	-	-	-	-	-	-	-
Stage 2				802	0	-	-	-	-	-	-	-
Approach				WB			NB			SB		
HCM Control Delay, s				29			0			0.3		
HCM LOS				D								
Minor Lane/Major Mvmt	NBL	NBT	NBR	WBLn1	SBL	SBT	SBR					
Capacity (veh/h)	1143	-	-	453	782	-	-					
HCM Lane V/C Ratio	-	-	-	0.693	0.009	-	-					
HCM Control Delay (s)	0	-	-	29	9.6	0.1	-					
HCM Lane LOS	A	-	-	D	A	A	-					
HCM 95th %tile Q(veh)	0	-	-	5.2	0	-	-					

Existing AM LOS
Tennis Court North/ Tennis Court West

7/18/2016

Intersection

Intersection Delay, s/veh	8.3
Intersection LOS	A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Vol, veh/h	0	4	10	2	0	0	0	0	0	0	0	0
Future Vol, veh/h	0	4	10	2	0	0	0	0	0	0	0	0
Peak Hour Factor	0.92	0.67	0.67	0.67	0.92	0.92	0.92	0.92	0.92	0.38	0.38	0.34
Heavy Vehicles, %	2	69	69	69	2	0	0	0	2	33	33	33
Mvmt Flow	0	6	15	3	0	0	0	0	0	0	0	0
Number of Lanes	0	0	1	0	0	0	0	0	0	0	0	0

Approach EB

Opposing Approach	
Opposing Lanes	0
Conflicting Approach Left	SB
Conflicting Lanes Left	1
Conflicting Approach Right	
Conflicting Lanes Right	0
HCM Control Delay	8.6
HCM LOS	A

Lane	EBLn1	SBLn1
Vol Left, %	25%	26%
Vol Thru, %	62%	74%
Vol Right, %	12%	0%
Sign Control	Stop	Stop
Traffic Vol by Lane	16	89
LT Vol	4	23
Through Vol	10	66
RT Vol	2	0
Lane Flow Rate	24	156
Geometry Grp	1	1
Degree of Util (X)	0.035	0.186
Departure Headway (Hd)	5.324	4.282
Convergence, Y/N	Yes	Yes
Cap	665	837
Service Time	3.417	2.31
HCM Lane V/C Ratio	0.036	0.186
HCM Control Delay	8.6	8.3
HCM Lane LOS	A	A
HCM 95th-tile Q	0.1	0.7

Intersection

Intersection Delay, s/veh

Intersection LOS

Movement	SBU	SBL	SBT	SBR
Lane Configurations				
Traffic Vol, veh/h	0	23	66	0
Future Vol, veh/h	0	23	66	0
Peak Hour Factor	0.92	0.57	0.57	0.57
Heavy Vehicles, %	2	17	17	17
Mvmt Flow	0	40	116	0
Number of Lanes	0	0	1	0

Approach	SB
Opposing Approach	
Opposing Lanes	0
Conflicting Approach Left	
Conflicting Lanes Left	0
Conflicting Approach Right	EB
Conflicting Lanes Right	1
HCM Control Delay	8.3
HCM LOS	A

Existing AM LOS
Tennis Court West/Tennis Court South

7/18/2016

Intersection

Intersection Delay, s/veh 7.7
Intersection LOS A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations							↑					
Traffic Vol, veh/h	0	0	0	0	0	0	4	0	0	0	0	0
Future Vol, veh/h	0	0	0	0	0	0	4	0	0	0	0	0
Peak Hour Factor	0.92	0.25	0.25	0.25	0.92	0.92	0.92	0.92	0.92	0.50	0.50	0.50
Heavy Vehicles, %	2	100	100	100	2	2	2	2	2	0	0	0
Mvmt Flow	0	0	0	0	0	0	4	0	0	0	0	0
Number of Lanes	0	0	0	0	0	0	1	0	0	0	0	0

Approach

WB

Opposing Approach
Opposing Lanes 0
Conflicting Approach Left
Conflicting Lanes Left 0
Conflicting Approach Right SB
Conflicting Lanes Right 1
HCM Control Delay 7.2
HCM LOS A

Lane WBLn1 SBLn1

Vol Left, % 0% 0%
Vol Thru, % 100% 89%
Vol Right, % 0% 11%
Sign Control Stop Stop
Traffic Vol by Lane 4 65
LT Vol 0 0
Through Vol 4 58
RT Vol 0 7
Lane Flow Rate 4 120
Geometry Grp 1 1
Degree of Util (X) 0.005 0.137
Departure Headway (Hd) 4.144 4.098
Convergence, Y/N Yes Yes
Cap 857 880
Service Time 2.203 2.1
HCM Lane V/C Ratio 0.005 0.136
HCM Control Delay 7.2 7.7
HCM Lane LOS A A
HCM 95th-tile Q 0 0.5

Intersection

Intersection Delay, s/veh

Intersection LOS

Movement	SBU	SBL	SBT	SBR
Lane Configurations				
Traffic Vol, veh/h	0	0	58	7
Future Vol, veh/h	0	0	58	7
Peak Hour Factor	0.92	0.54	0.54	0.54
Heavy Vehicles, %	2	15	15	15
Mvmt Flow	0	0	107	13
Number of Lanes	0	0	1	0

Approach	SB
Opposing Approach	
Opposing Lanes	0
Conflicting Approach Left	WB
Conflicting Lanes Left	1
Conflicting Approach Right	
Conflicting Lanes Right	0
HCM Control Delay	7.7
HCM LOS	A

Intersection												
Int Delay, s/veh		1.9										
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑			↑			↕			↕	
Traffic Vol, veh/h	0	348	2	25	468	23	3	2	18	34	1	2
Future Vol, veh/h	0	348	2	25	468	23	3	2	18	34	1	2
Conflicting Peds, #/hr	1	0	1	1	0	1	1	0	0	0	0	1
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	87	87	87	75	75	75	82	82	82	77	77	77
Heavy Vehicles, %	3	3	3	3	3	3	0	0	0	3	3	3
Mvmt Flow	0	400	2	33	624	31	4	2	22	44	1	3
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	-	0	0	403	0	0	1111	1124	402	1120	1110	641
Stage 1	-	-	-	-	-	-	402	402	-	707	707	-
Stage 2	-	-	-	-	-	-	709	722	-	413	403	-
Critical Hdwy	-	-	-	4.13	-	-	7.1	6.5	6.2	7.13	6.53	6.23
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.13	5.53	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.13	5.53	-
Follow-up Hdwy	-	-	-	2.227	-	-	3.5	4	3.3	3.527	4.027	3.327
Pot Cap-1 Maneuver	0	-	-	1150	-	-	188	207	653	183	208	473
Stage 1	0	-	-	-	-	-	629	604	-	424	437	-
Stage 2	0	-	-	-	-	-	428	434	-	614	598	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	-	-	-	1150	-	-	179	197	652	169	198	472
Mov Cap-2 Maneuver	-	-	-	-	-	-	179	197	-	169	198	-
Stage 1	-	-	-	-	-	-	629	603	-	424	417	-
Stage 2	-	-	-	-	-	-	405	414	-	591	597	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			0.4			14.1			33		
HCM LOS							B			D		
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	WBR	SBLn1					
Capacity (veh/h)	422	-	-	1150	-	-	176					
HCM Lane V/C Ratio	0.066	-	-	0.029	-	-	0.273					
HCM Control Delay (s)	14.1	-	-	8.2	-	-	33					
HCM Lane LOS	B	-	-	A	-	-	D					
HCM 95th %tile O(veh)	0.2	-	-	0.1	-	-	1.1					

HCM 2010 TWSC
8: Aviation Road & HS West Exit

7/18/2016

Intersection						
Int Delay, s/veh	1					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑		↓	↓
Traffic Vol, veh/h	0	405	491	0	29	29
Future Vol, veh/h	0	405	491	0	29	29
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	75	75	76	76
Heavy Vehicles, %	3	3	3	3	2	2
Mvmt Flow	0	482	655	0	38	38
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	-	0	-	0	1137	655
Stage 1	-	-	-	-	655	-
Stage 2	-	-	-	-	482	-
Critical Hdwy	-	-	-	-	7.12	6.22
Critical Hdwy Stg 1	-	-	-	-	6.12	-
Critical Hdwy Stg 2	-	-	-	-	6.12	-
Follow-up Hdwy	-	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	0	-	-	0	179	466
Stage 1	0	-	-	0	455	-
Stage 2	0	-	-	0	565	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	-	-	179	466
Mov Cap-2 Maneuver	-	-	-	-	310	-
Stage 1	-	-	-	-	455	-
Stage 2	-	-	-	-	565	-
Approach	EB		WB		SB	
HCM Control Delay, s	0		0		15.8	
HCM LOS					C	
Minor Lane/Major Mvmt	EBT	WBT	SBLn1	SBLn2		
Capacity (veh/h)	-	-	310	466		
HCM Lane V/C Ratio	-	-	0.123	0.082		
HCM Control Delay (s)	-	-	18.2	13.4		
HCM Lane LOS	-	-	C	B		
HCM 95th %tile Q(veh)	-	-	0.4	0.3		

Existing PM LOS
Aviation Road/Prospect Road

7/18/2016

Intersection

Int Delay, s/veh 0.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	443	5	13	496	5	11
Future Vol, veh/h	443	5	13	496	5	11
Conflicting Peds, #/hr	0	0	0	0	2	1
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	75	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	71	71	80	80
Heavy Vehicles, %	3	3	4	4	13	13
Mvmt Flow	498	6	18	699	6	14

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	1238
Stage 1	-	-	501
Stage 2	-	-	737
Critical Hdwy	-	4.14	6.53
Critical Hdwy Stg 1	-	-	5.53
Critical Hdwy Stg 2	-	-	5.53
Follow-up Hdwy	-	2.236	3.617
Pot Cap-1 Maneuver	-	1051	184
Stage 1	-	-	587
Stage 2	-	-	454
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	1050	181
Mov Cap-2 Maneuver	-	-	311
Stage 1	-	-	587
Stage 2	-	-	445

Approach	EB	WB	NB
HCM Control Delay, s	0	0.2	13.5
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	442	-	-	1050	-
HCM Lane V/C Ratio	0.045	-	-	0.017	-
HCM Control Delay (s)	13.5	-	-	8.5	-
HCM Lane LOS	B	-	-	A	-
HCM 95th %tile Q(veh)	0.1	-	-	0.1	-

Existing PM LOS
Aviation Road/High School Entrance/Cottage Hill Road

7/18/2016

Intersection												
Int Delay, s/veh	1.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	9	431	6	78	441	3	0	0	42	0	0	0
Future Vol, veh/h	9	431	6	78	441	3	0	0	42	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	75	-	-	0	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	87	87	87	75	75	75	25	25	25
Heavy Vehicles, %	4	4	4	4	4	4	10	10	10	0	0	0
Mvmt Flow	10	484	7	90	507	3	0	0	56	0	0	0
Major/Minor	Major1			Major2			Minor1					
Conflicting Flow All	510	0	0	491	0	0	1196	1198	488			
Stage 1	-	-	-	-	-	-	508	508	-			
Stage 2	-	-	-	-	-	-	688	690	-			
Critical Hdwy	4.14	-	-	4.14	-	-	6.5	6.6	6.3			
Critical Hdwy Stg 1	-	-	-	-	-	-	5.5	5.6	-			
Critical Hdwy Stg 2	-	-	-	-	-	-	5.5	5.6	-			
Follow-up Hdwy	2.236	-	-	2.236	-	-	3.59	4.09	3.39			
Pot Cap-1 Maneuver	1045	-	-	1062	-	-	198	179	564			
Stage 1	-	-	-	-	-	-	588	526	-			
Stage 2	-	-	-	-	-	-	484	434	-			
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1045	-	-	1062	-	-	179	0	564			
Mov Cap-2 Maneuver	-	-	-	-	-	-	179	0	-			
Stage 1	-	-	-	-	-	-	582	0	-			
Stage 2	-	-	-	-	-	-	443	0	-			
Approach	EB			WB			NB					
HCM Control Delay, s	0.2			1.3			12.1					
HCM LOS							B					
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR					
Capacity (veh/h)	564	1045	-	-	1062	-	-					
HCM Lane V/C Ratio	0.099	0.01	-	-	0.084	-	-					
HCM Control Delay (s)	12.1	8.5	-	-	8.7	-	-					
HCM Lane LOS	B	A	-	-	A	-	-					
HCM 95th %tile Q(veh)	0.3	0	-	-	0.3	-	-					

Existing PM LOS
Aviation Road/QUFSD Campus Right-Out Exit

7/18/2016

Intersection

Int Delay, s/veh 2.8

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		↑	↑			↑
Traffic Vol, veh/h	0	453	425	0	0	128
Future Vol, veh/h	0	453	425	0	0	128
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	-	0
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	92	92	92	92	59	59
Heavy Vehicles, %	4	4	4	4	15	15
Mvmt Flow	0	492	462	0	0	217

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	- 0	- 0	- 462
Stage 1	- -	- -	- -
Stage 2	- -	- -	- -
Critical Hdwy	- -	- -	- 6.35
Critical Hdwy Stg 1	- -	- -	- -
Critical Hdwy Stg 2	- -	- -	- -
Follow-up Hdwy	- -	- -	- 3.435
Pot Cap-1 Maneuver	0 -	- 0	0 574
Stage 1	0 -	- 0	0 -
Stage 2	0 -	- 0	0 -
Platoon blocked, %	- -	- -	- -
Mov Cap-1 Maneuver	- -	- -	- 574
Mov Cap-2 Maneuver	- -	- -	- -
Stage 1	- -	- -	- -
Stage 2	- -	- -	- -

Approach	EB	WB	SB
HCM Control Delay, s	0	0	15
HCM LOS			C

Minor Lane/Major Mvmt	EBT	WBT	SBLn1
Capacity (veh/h)	- -	- 574	
HCM Lane V/C Ratio	- -	- 0.378	
HCM Control Delay (s)	- -	- 15	
HCM Lane LOS	- -	- C	
HCM 95th %tile Q(veh)	- -	- 1.8	

Existing PM LOS

Aviation Road/QUFSD Campus Main Entrance Drive/Church Driveway

7/18/2016

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	97	349	1	0	389	157	1	3	3	283	0	37
Future Volume (veh/h)	97	349	1	0	389	157	1	3	3	283	0	37
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1827	1827	1900	1827	1827	1900	1900	1900	1900	1900	1776	1776
Adj Flow Rate, veh/h	107	384	1	0	505	204	2	6	6	314	0	41
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	0	1	1
Peak Hour Factor	0.91	0.91	0.91	0.77	0.77	0.77	0.50	0.50	0.50	0.90	0.90	0.90
Percent Heavy Veh, %	4	4	4	4	4	4	0	0	0	7	7	7
Cap, veh/h	315	1267	3	1	583	235	52	190	190	334	0	327
Arrive On Green	0.18	0.70	0.70	0.00	0.47	0.47	0.22	0.22	0.22	0.22	0.00	0.22
Sat Flow, veh/h	1740	1821	5	1740	1238	500	1388	872	872	1295	0	1506
Grp Volume(v), veh/h	107	0	385	0	0	709	2	0	12	314	0	41
Grp Sat Flow(s),veh/h/ln	1740	0	1826	1740	0	1737	1388	0	1744	1295	0	1506
Q Serve(g_s), s	7.4	0.0	11.2	0.0	0.0	50.3	0.0	0.0	0.7	29.3	0.0	3.0
Cycle Q Clear(g_c), s	7.4	0.0	11.2	0.0	0.0	50.3	30.0	0.0	0.7	30.0	0.0	3.0
Prop In Lane	1.00		0.00	1.00		0.29	1.00		0.50	1.00		1.00
Lane Grp Cap(c), veh/h	315	0	1270	1	0	818	52	0	379	334	0	327
V/C Ratio(X)	0.34	0.00	0.30	0.00	0.00	0.87	0.04	0.00	0.03	0.94	0.00	0.13
Avail Cap(c_a), veh/h	315	0	1270	189	0	818	52	0	379	334	0	327
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	49.3	0.0	8.1	0.0	0.0	32.6	69.0	0.0	42.6	55.9	0.0	43.4
Incr Delay (d2), s/veh	2.9	0.0	0.6	0.0	0.0	11.9	1.4	0.0	0.2	36.3	0.0	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	0.0	5.8	0.0	0.0	26.7	0.1	0.0	0.4	15.3	0.0	1.3
LnGrp Delay(d),s/veh	52.2	0.0	8.7	0.0	0.0	44.5	70.4	0.0	42.7	92.2	0.0	44.2
LnGrp LOS	D		A			D	E		D	F		D
Approach Vol, veh/h		492			709			14			355	
Approach Delay, s/veh		18.2			44.5			46.7			86.6	
Approach LOS		B			D			D			F	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2	3	4		6	7	8				
Phs Duration (G+Y+Rc), s		36.0	0.0	102.0		36.0	31.0	71.0				
Change Period (Y+Rc), s		6.0	5.0	6.0		6.0	6.0	6.0				
Max Green Setting (Gmax), s		30.0	15.0	76.0		30.0	25.0	65.0				
Max Q Clear Time (g_c+l1), s		32.0	0.0	13.2		32.0	9.4	52.3				
Green Ext Time (p_c), s		0.0	0.0	11.1		0.0	0.2	6.3				
Intersection Summary												
HCM 2010 Ctrl Delay			45.8									
HCM 2010 LOS			D									

Existing PM Queue

Aviation Road/QUFSD Campus Main Entrance Drive/Church Driveway

7/18/2016



Lane Group	EBL	EBT	WBT	NBL	NBT	SBT	SBR
Lane Group Flow (vph)	107	385	709	2	12	314	41
v/c Ratio	0.34	0.38	0.86	0.02	0.03	1.09	0.10
Control Delay	52.9	19.1	43.2	43.0	30.3	129.0	0.5
Queue Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Delay	52.9	19.1	43.2	43.0	30.3	129.0	0.5
Queue Length 50th (ft)	85	190	541	1	4	~316	0
Queue Length 95th (ft)	145	264	553	5	11	#508	0
Internal Link Dist (ft)		320	531		57	120	
Turn Bay Length (ft)	200			50			
Base Capacity (vph)	314	1006	828	103	382	288	414
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	0.34	0.38	0.86	0.02	0.03	1.09	0.10

Intersection Summary

- ~ 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.

Existing PM LOS
Aviation Road/Burke Drive

7/18/2016

Intersection

Int Delay, s/veh 3.3

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑		↓	↑	↓	
Traffic Vol, veh/h	628	37	140	528	20	115
Future Vol, veh/h	628	37	140	528	20	115
Conflicting Peds, #/hr	0	15	15	0	5	6
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	90	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	88	88	90	90	82	82
Heavy Vehicles, %	4	4	4	4	2	2
Mvmt Flow	714	42	156	587	24	140

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	1653
Stage 1	-	-	750
Stage 2	-	-	903
Critical Hdwy	-	4.14	6.42
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	-	2.236	3.518
Pot Cap-1 Maneuver	-	835	108
Stage 1	-	-	467
Stage 2	-	-	396
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	830	86
Mov Cap-2 Maneuver	-	-	210
Stage 1	-	-	460
Stage 2	-	-	320

Approach	EB	WB	NB
HCM Control Delay, s	0	2.2	23.8
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	353	-	-	830	-
HCM Lane V/C Ratio	0.466	-	-	0.187	-
HCM Control Delay (s)	23.8	-	-	10.3	-
HCM Lane LOS	C	-	-	B	-
HCM 95th %tile Q(veh)	2.4	-	-	0.7	-

Existing PM LOS
QUFSD Campus Main Entrance Drive/Middle School Driveway

7/18/2016

Intersection												
Int Delay, s/veh		3										
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations						↕	↕			↕↕		
Traffic Vol, veh/h	0	0	0	0	0	132	0	213	66	12	332	0
Future Vol, veh/h	0	0	0	0	0	132	0	213	66	12	332	0
Conflicting Peds, #/hr	0	0	0	0	0	1	11	0	0	0	0	11
Sign Control	Yield	Yield	Yield	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	57	57	57	78	78	78	77	77	77
Heavy Vehicles, %	0	0	0	11	11	11	11	11	11	6	6	6
Mvmt Flow	0	0	0	0	0	232	0	273	85	16	431	0
Major/Minor				Minor1			Major1			Major2		
Conflicting Flow All				562	788	316	442	0	0	358	0	0
Stage 1				315	315	-	-	-	-	-	-	-
Stage 2				247	473	-	-	-	-	-	-	-
Critical Hdwy				6.765	6.665	6.365	4.265	-	-	4.19	-	-
Critical Hdwy Stg 1				5.565	5.665	-	-	-	-	-	-	-
Critical Hdwy Stg 2				5.965	5.665	-	-	-	-	-	-	-
Follow-up Hdwy				3.6045	4.1045	3.4045	2.3045	-	-	2.257	-	-
Pot Cap-1 Maneuver				454	309	700	1062	-	-	1174	-	-
Stage 1				716	636	-	-	-	-	-	-	-
Stage 2				749	539	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver				446	0	699	1062	-	-	1173	-	-
Mov Cap-2 Maneuver				446	0	-	-	-	-	-	-	-
Stage 1				716	0	-	-	-	-	-	-	-
Stage 2				736	0	-	-	-	-	-	-	-
Approach				WB			NB			SB		
HCM Control Delay, s				12.7			0			0.4		
HCM LOS				B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	WBLn1	SBL	SBT	SBR					
Capacity (veh/h)	1062	-	-	699	1173	-	-					
HCM Lane V/C Ratio	-	-	-	0.331	0.013	-	-					
HCM Control Delay (s)	0	-	-	12.7	8.1	0.1	-					
HCM Lane LOS	A	-	-	B	A	A	-					
HCM 95th %tile Q(veh)	0	-	-	1.4	0	-	-					

Existing PM LOS
Tennis Court North/ Tennis Court West

7/18/2016

Intersection

Intersection Delay, s/veh	10.1
Intersection LOS	B

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Vol, veh/h	0	3	14	10	0	0	0	0	0	0	0	0
Future Vol, veh/h	0	3	14	10	0	0	0	0	0	0	0	0
Peak Hour Factor	0.92	0.42	0.42	0.42	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles, %	2	44	44	44	2	2	2	2	2	2	2	2
Mvmt Flow	0	7	33	24	0	0	0	0	0	0	0	0
Number of Lanes	0	0	1	0	0	0	0	0	0	0	0	0

Approach EB

Opposing Approach	
Opposing Lanes	0
Conflicting Approach Left	SB
Conflicting Lanes Left	1
Conflicting Approach Right	
Conflicting Lanes Right	0
HCM Control Delay	8.8
HCM LOS	A

Lane	EBLn1	SBLn1
Vol Left, %	11%	12%
Vol Thru, %	52%	88%
Vol Right, %	37%	0%
Sign Control	Stop	Stop
Traffic Vol by Lane	27	211
LT Vol	3	26
Through Vol	14	185
RT Vol	10	0
Lane Flow Rate	64	370
Geometry Grp	1	1
Degree of Util (X)	0.094	0.426
Departure Headway (Hd)	5.29	4.139
Convergence, Y/N	Yes	Yes
Cap	681	859
Service Time	3.29	2.212
HCM Lane V/C Ratio	0.094	0.431
HCM Control Delay	8.8	10.3
HCM Lane LOS	A	B
HCM 95th-tile Q	0.3	2.2

Intersection

Intersection Delay, s/veh

Intersection LOS

Movement	SBU	SBL	SBT	SBR
Lane Configurations				
Traffic Vol, veh/h	0	26	185	0
Future Vol, veh/h	0	26	185	0
Peak Hour Factor	0.92	0.57	0.57	0.57
Heavy Vehicles, %	2	6	6	6
Mvmt Flow	0	46	325	0
Number of Lanes	0	0	1	0

Approach	SB
Opposing Approach	
Opposing Lanes	0
Conflicting Approach Left	
Conflicting Lanes Left	0
Conflicting Approach Right	EB
Conflicting Lanes Right	1
HCM Control Delay	10.3
HCM LOS	B

Existing PM LOS
Tennis Court West/ Tennis Court South

7/18/2016

Intersection

Intersection Delay, s/veh	9
Intersection LOS	A

Movement	EBU	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR
Lane Configurations												
Traffic Vol, veh/h	0	0	0	0	0	0	7	0	0	0	0	0
Future Vol, veh/h	0	0	0	0	0	0	7	0	0	0	0	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.58	0.58	0.58	0.92	0.25	0.25	0.25
Heavy Vehicles, %	2	0	0	0	2	0	0	0	2	0	0	0
Mvmt Flow	0	0	0	0	0	0	12	0	0	0	0	0
Number of Lanes	0	0	0	0	0	0	1	0	0	0	0	0

Approach

WB

Opposing Approach	
Opposing Lanes	0
Conflicting Approach Left	
Conflicting Lanes Left	0
Conflicting Approach Right	SB
Conflicting Lanes Right	1
HCM Control Delay	7.7
HCM LOS	A

Lane	WBLn1	SBLn1
Vol Left, %	0%	0%
Vol Thru, %	100%	87%
Vol Right, %	0%	13%
Sign Control	Stop	Stop
Traffic Vol by Lane	7	191
LT Vol	0	0
Through Vol	7	167
RT Vol	0	24
Lane Flow Rate	12	329
Geometry Grp	1	1
Degree of Util (X)	0.015	0.356
Departure Headway (Hd)	4.6	3.897
Convergence, Y/N	Yes	Yes
Cap	783	925
Service Time	2.6	1.905
HCM Lane V/C Ratio	0.015	0.356
HCM Control Delay	7.7	9
HCM Lane LOS	A	A
HCM 95th-tile Q	0	1.6

Intersection

Intersection Delay, s/veh

Intersection LOS

Movement	SBU	SBL	SBT	SBR
Lane Configurations				
Traffic Vol, veh/h	0	0	167	24
Future Vol, veh/h	0	0	167	24
Peak Hour Factor	0.92	0.58	0.58	0.58
Heavy Vehicles, %	2	3	3	3
Mvmt Flow	0	0	288	41
Number of Lanes	0	0	1	0

Approach	SB
Opposing Approach	
Opposing Lanes	0
Conflicting Approach Left	WB
Conflicting Lanes Left	1
Conflicting Approach Right	
Conflicting Lanes Right	0
HCM Control Delay	9
HCM LOS	A

APPENDIX F

ACCIDENT ANALYSIS AND FIGURES

ACCIDENT RATE CALCULATIONS

- ☒ Segment
- ☐ Intersection

ROUTE: *Aviation Road Corridor*

LOCATION: *Queensbury, NY*

REFERENCE MARKERS / NODES: *Manor Drive - Burke Drive*

TIME PERIOD: *1/1/2011 - 12/31/2015*

REMARKS: *Selected Accidents*

$$\begin{aligned}\text{ACCIDENT RATE} &= \frac{(35 \text{ selected accidents in } 5.0 \text{ years}) * (1,000,000)}{(365 \text{ days/yr.}) * (5.0 \text{ years}) * (9876 \text{ veh./day}) * (0.42 \text{ miles})} \\ &= 4.62 \text{ accidents per million vehicle miles}\end{aligned}$$

(Statewide average rate = 2.81)

ACCIDENT SUMMARY SHEET

ROUTE: Aviation Road Corridor **LOCATION:** Queensbury, NY
MUNICIPALITY: Queensbury **COUNTY:** Warren
TIME PERIOD COVERED: 1/1/2011 - 12/31/2015 **REFERENCE MARKERS / NODES:** Manor Drive - Burke Drive
REMARKS: Selected Accidents **DATE:** 7/15/2016

TIME OF DAY 6 AM - 10 AM 12 34.3% 10 AM - 4 PM 14 40.0% 4 PM - 7 PM 4 11.4% 7 PM - 12 AM 3 8.6% 12 AM - 6 AM 1 2.9% Unspecified 1 2.9% Total 35	DIRECTION North 10 14.3% South 4 5.7% East 38 54.3% West 17 24.3% Total 70	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 1 1.4%
WEATHER Clear 25 71.4% Cloudy 6 17.1% Rain 3 8.6% Snow 0 0.0% Sleet/Hail/Freezing Rain 1 2.9% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 35	ACCIDENT TYPE Rear End 20 57.1% Overtake 1 2.9% Right Angle 5 14.3% Left Turn 3 8.6% Right Turn 0 0.0% Fixed Object 1 2.9% Head On 0 0.0% Sideswipe 0 0.0% Total 35	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 1 2.9% Parked Vehicle 0 0.0% Backing 2 5.7% Run Off The Road 1 2.9% Animal 0 0.0% Other 1 2.9% Unspecified 0 0.0%
SURFACE Dry 27 77.1% Wet 7 20.0% Mud/Slush 0 0.0% Snow/Ice 1 2.9% Unspecified 0 0.0% Total 35	ACCIDENT SEVERITY Fatal 0 0.0% Injury 8 22.9% Property Damage 14 40.0% Non-Reportable 13 37.1% Total 35	
TIME OF YEAR Winter (Dec-Feb) 11 31.4% Spring (Mar-May) 6 17.1% Summer (Jun-Aug) 5 14.3% Fall (Sep-Nov) 13 37.1% Total 35	TYPE OF VEHICLE Passenger Cars 67 98.5% Commercial Vehicles 1 1.5% Total 68	
DAY OF WEEK Sunday 3 8.6% Monday 8 22.9% Tuesday 7 20.0% Wednesday 3 8.6% Thursday 9 25.7% Friday 3 8.6% Saturday 2 5.7% Total 35	LIGHT CONDITION Daylight 33 94.3% Dawn/Dusk 0 0.0% Night 2 5.7% Unspecified 0 0.0% Total 35	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2011	2012	2013	2014	2015
Fatal Accidents	0	0	0	0	0
Injury Accidents	2	1	1	3	1
Property Damage Accidents	6	2	2	2	2
Non-Reportable Accidents	2	5	2	4	0
Total Accidents	10	8	5	9	3

ACCIDENT RATE CALCULATIONS

- ☐ Segment
- ☒ Intersection

ROUTE: *Manor Dr./Aviation Rd*

LOCATION: *Queensbury, NY*

REFERENCE MARKERS / NODES: *Manor Drive - Burke Drive*

TIME PERIOD: *1/1/2011 - 12/31/2015*

REMARKS: *Selected Accidents*

$$\begin{aligned}\text{ACCIDENT RATE} &= \frac{(4 \text{ selected accidents in } 5.0 \text{ years}) * (1,000,000)}{(365 \text{ days/yr.}) * (5.0 \text{ years}) * (10476 \text{ veh./day})} \\ &= 0.21 \text{ accidents per million entering vehicles}\end{aligned}$$

(Statewide average rate = 0.26)

ACCIDENT SUMMARY SHEET

ROUTE: Manor Dr./Aviation Rd **LOCATION:** Queensbury, NY
MUNICIPALITY: Queensbury **COUNTY:** Warren
TIME PERIOD COVERED: 1/1/2011 - 12/31/2015 **REFERENCE MARKERS / NODES:** Manor Drive - Burke Drive
REMARKS: Selected Accidents **DATE:** 7/15/2016

TIME OF DAY 6 AM - 10 AM 1 25.0% 10 AM - 4 PM 1 25.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 1 25.0% 12 AM - 6 AM 0 0.0% Unspecified 1 25.0% Total 4	DIRECTION North 2 25.0% South 1 12.5% East 1 12.5% West 4 50.0% Total 8	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 4 100.0% Cloudy 0 0.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT TYPE Rear End 1 25.0% Overtake 0 0.0% Right Angle 1 25.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 1 25.0% Head On 0 0.0% Sideswipe 0 0.0% Total 4	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 1 25.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 3 75.0% Wet 1 25.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 4	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 25.0% Property Damage 1 25.0% Non-Reportable 2 50.0% Total 4	
TIME OF YEAR Winter (Dec-Feb) 1 25.0% Spring (Mar-May) 1 25.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 2 50.0% Total 4	TYPE OF VEHICLE Passenger Cars 7 87.5% Commercial Vehicles 1 12.5% Total 8	
DAY OF WEEK Sunday 0 0.0% Monday 0 0.0% Tuesday 1 25.0% Wednesday 1 25.0% Thursday 1 25.0% Friday 0 0.0% Saturday 1 25.0% Total 4	LIGHT CONDITION Daylight 3 75.0% Dawn/Dusk 0 0.0% Night 1 25.0% Unspecified 0 0.0% Total 4	

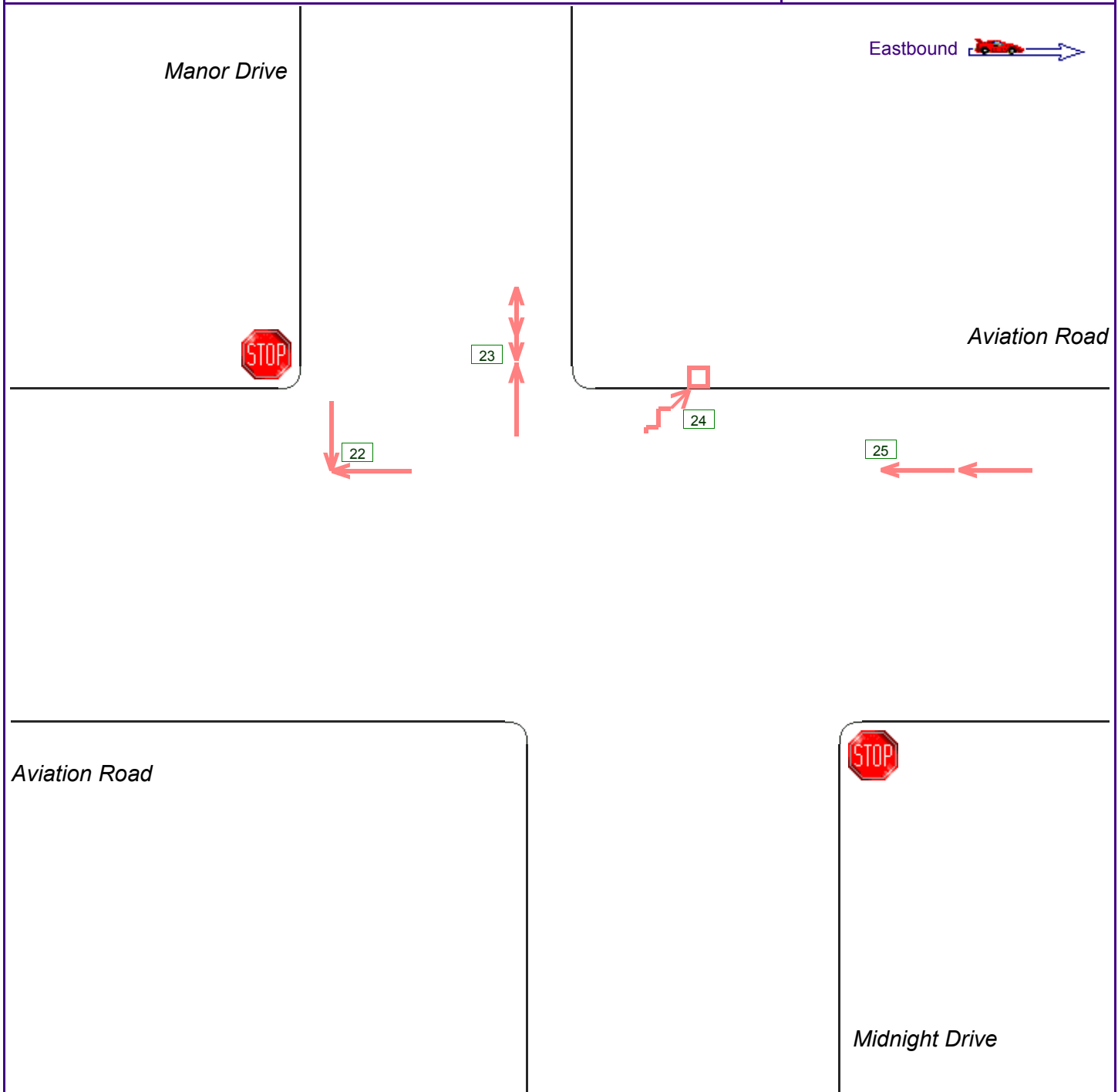
SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2011	2012	2013	2014	2015
Fatal Accidents	0	0	0	0	0
Injury Accidents	0	0	0	1	0
Property Damage Accidents	1	0	0	0	0
Non-Reportable Accidents	1	1	0	0	0
Total Accidents	2	1	0	1	0

COLLISION DIAGRAM

Key Number = 2

MUNICIPALITY: <u>Queensbury</u>	COUNTY: <u>Warren</u>	FILE: <u>Queensbury</u>
INTERSECTION: <u>Manor Dr./Aviation Rd</u>		CASE #: <u>1</u>
PERIOD: <u>5</u> YEARS <u>0</u> MONTHS	FROM <u>1/1/2011</u> TO <u>12/31/2015</u>	BY: <u>AEC</u> DATE: <u>7/15/2016</u>



SYMBOLS			MANNER OF COLLISION	
	MOVING VEHICLE	P PEDESTRIAN		REAR END
	TURNING VEHICLE	B BICYCLIST		LEFT TURN
	BACKING VEHICLE	A ANIMAL		HEAD ON
	PARKED VEHICLE	 FIXED OBJECT		RIGHT TURN
	RECORD NUMBER	 Fatal		LEFT TURN
				OVERTAKE
				RIGHT TURN
				RIGHT ANGLE
				OUT OF CONTROL
				SIDE SWIPE

ACCIDENT RATE CALCULATIONS

- ☐ Segment
- ☒ Intersection

ROUTE: *Cottage Hill/Aviation Rd*

LOCATION: *Queensbury, NY*

REFERENCE MARKERS / NODES: *Manor Drive - Burke Drive*

TIME PERIOD: *1/1/2011 - 12/31/2015*

REMARKS: *Selected Accidents*

$$\begin{aligned}\text{ACCIDENT RATE} &= \frac{(1 \text{ selected accidents in } 5.0 \text{ years}) * (1,000,000)}{(365 \text{ days/yr.}) * (5.0 \text{ years}) * (10586 \text{ veh./day})} \\ &= 0.05 \text{ accidents per million entering vehicles}\end{aligned}$$

(Statewide average rate = 0.26)

ACCIDENT SUMMARY SHEET

ROUTE: Cottage Hill/Aviation Rd **LOCATION:** Queensbury, NY
MUNICIPALITY: Queensbury **COUNTY:** Warren
TIME PERIOD COVERED: 1/1/2011 - 12/31/2015 **REFERENCE MARKERS / NODES:** Manor Drive - Burke Drive
REMARKS: Selected Accidents **DATE:** 7/15/2016

TIME OF DAY 6 AM - 10 AM 0 0.0% 10 AM - 4 PM 0 0.0% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 1 100.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 1	DIRECTION North 0 0.0% South 1 50.0% East 0 0.0% West 1 50.0% Total 2	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 0 0.0% Cloudy 1 100.0% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT TYPE Rear End 0 0.0% Overtake 0 0.0% Right Angle 1 100.0% Left Turn 0 0.0% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 1	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 1 100.0% Wet 0 0.0% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 1	ACCIDENT SEVERITY Fatal 0 0.0% Injury 0 0.0% Property Damage 1 100.0% Non-Reportable 0 0.0% Total 1	
TIME OF YEAR Winter (Dec-Feb) 1 100.0% Spring (Mar-May) 0 0.0% Summer (Jun-Aug) 0 0.0% Fall (Sep-Nov) 0 0.0% Total 1	TYPE OF VEHICLE Passenger Cars 2 100.0% Commercial Vehicles 0 0.0% Total 2	
DAY OF WEEK Sunday 1 100.0% Monday 0 0.0% Tuesday 0 0.0% Wednesday 0 0.0% Thursday 0 0.0% Friday 0 0.0% Saturday 0 0.0% Total 1	LIGHT CONDITION Daylight 0 0.0% Dawn/Dusk 0 0.0% Night 1 100.0% Unspecified 0 0.0% Total 1	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2011	2012	2013	2014	2015
Fatal Accidents	0	0	0	0	0
Injury Accidents	0	0	0	0	0
Property Damage Accidents	0	0	0	0	1
Non-Reportable Accidents	0	0	0	0	0
Total Accidents	0	0	0	0	1

COLLISION DIAGRAM

Key Number = 4

MUNICIPALITY: <u>Queensbury</u>	COUNTY: <u>Warren</u>	FILE: <u>Queensbury</u>
INTERSECTION: <u>Cottage Hill/Aviation Rd</u>		CASE #: <u>1</u>
PERIOD: <u>5</u> YEARS <u>0</u> MONTHS	FROM <u>1/1/2011</u> TO <u>12/31/2015</u>	BY: <u>AEC</u> DATE: <u>7/15/2016</u>

High School Entrance



Aviation Road

Eastbound 



37

Aviation Road

Cottage Hill

SYMBOLS		MANNER OF COLLISION	
 MOVING VEHICLE  TURNING VEHICLE  BACKING VEHICLE  PARKED VEHICLE 999 RECORD NUMBER	P PEDESTRIAN B BICYCLIST A ANIMAL FIXED OBJECT Fatal	 REAR END  LEFT TURN  LEFT TURN  OVERTAKE  OUT OF CONTROL	 HEAD ON  RIGHT TURN  RIGHT TURN  RIGHT ANGLE  SIDE SWIPE

ACCIDENT RATE CALCULATIONS

- ☐ Segment
- ☒ Intersection

ROUTE: *Main Entrance/Aviation Rd*

LOCATION: *Queensbury, NY*

REFERENCE MARKERS / NODES: *Manor Drive - Burke Drive*

TIME PERIOD: *1/1/2011 - 12/31/2015*

REMARKS: *Selected Accidents*

$$\begin{aligned}\text{ACCIDENT RATE} &= \frac{(7 \text{ selected accidents in } 5.0 \text{ years}) * (1,000,000)}{(365 \text{ days/yr.}) * (5.0 \text{ years}) * (13116 \text{ veh./day})} \\ &= \underline{0.29} \text{ accidents per million entering vehicles}\end{aligned}$$

(Statewide average rate = 0.23)

ACCIDENT SUMMARY SHEET

ROUTE: Main Entrance/Aviation Rd **LOCATION:** Queensbury, NY
MUNICIPALITY: Queensbury **COUNTY:** Warren
TIME PERIOD COVERED: 1/1/2011 - 12/31/2015 **REFERENCE MARKERS / NODES:** Manor Drive - Burke Drive
REMARKS: Selected Accidents **DATE:** 7/15/2016

TIME OF DAY 6 AM - 10 AM 2 28.6% 10 AM - 4 PM 4 57.1% 4 PM - 7 PM 0 0.0% 7 PM - 12 AM 1 14.3% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 7	DIRECTION North 2 14.3% South 1 7.1% East 6 42.9% West 5 35.7% Total 14	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 5 71.4% Cloudy 1 14.3% Rain 0 0.0% Snow 0 0.0% Sleet/Hail/Freezing Rain 1 14.3% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 7	ACCIDENT TYPE Rear End 5 71.4% Overtake 0 0.0% Right Angle 1 14.3% Left Turn 1 14.3% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 7	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 0 0.0% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 0 0.0% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 6 85.7% Wet 1 14.3% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 7	ACCIDENT SEVERITY Fatal 0 0.0% Injury 1 14.3% Property Damage 3 42.9% Non-Reportable 3 42.9% Total 7	
TIME OF YEAR Winter (Dec-Feb) 2 28.6% Spring (Mar-May) 1 14.3% Summer (Jun-Aug) 2 28.6% Fall (Sep-Nov) 2 28.6% Total 7	TYPE OF VEHICLE Passenger Cars 14 100.0% Commercial Vehicles 0 0.0% Total 14	
DAY OF WEEK Sunday 1 14.3% Monday 0 0.0% Tuesday 4 57.1% Wednesday 0 0.0% Thursday 2 28.6% Friday 0 0.0% Saturday 0 0.0% Total 7	LIGHT CONDITION Daylight 7 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 7	

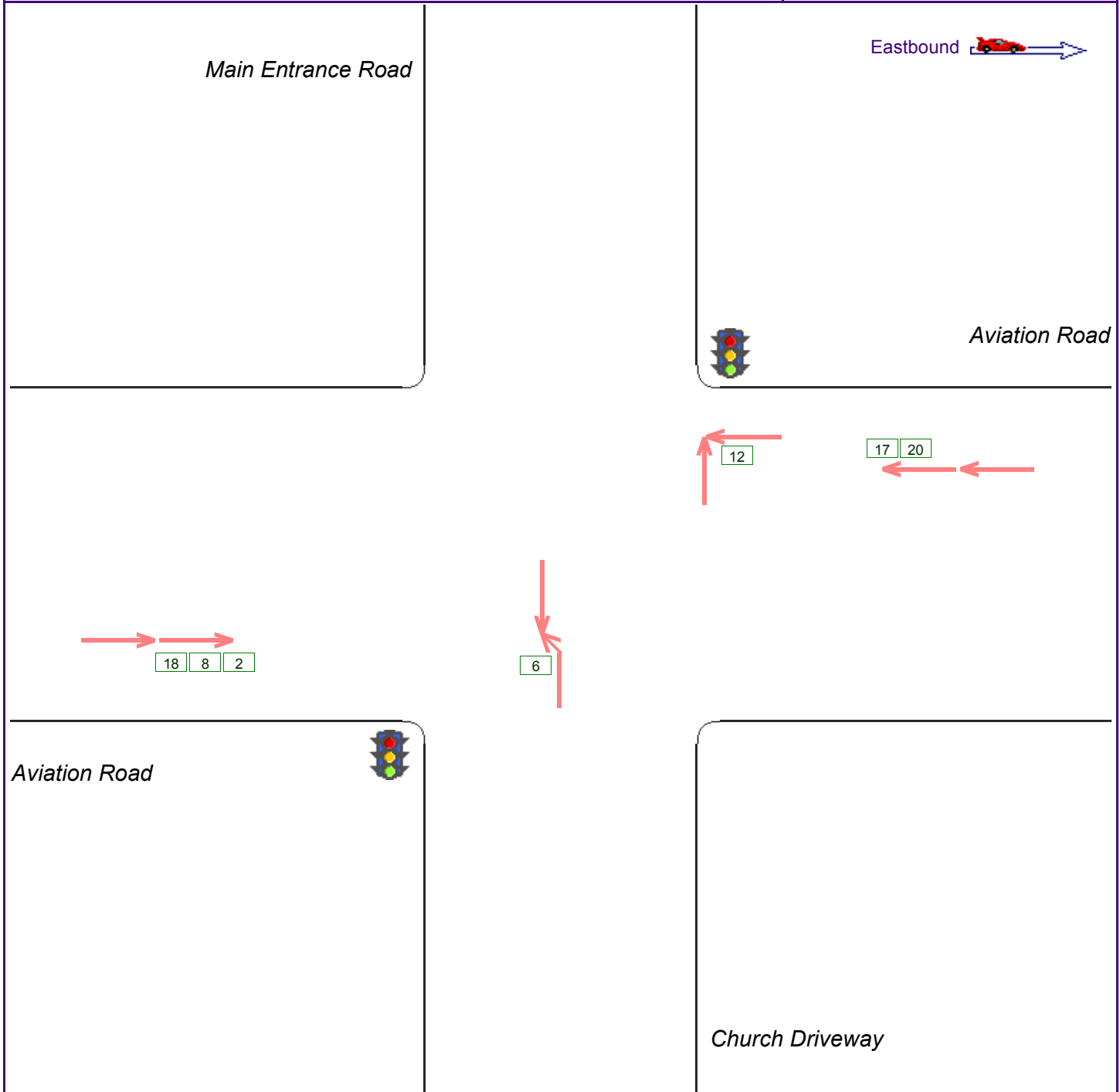
SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2011	2012	2013	2014	2015
Fatal Accidents	0	0	0	0	0
Injury Accidents	0	1	0	0	0
Property Damage Accidents	2	0	0	1	0
Non-Reportable Accidents	0	1	0	2	0
Total Accidents	2	2	0	3	0

COLLISION DIAGRAM

Key Number = 6

MUNICIPALITY: <u>Queensbury</u>	COUNTY: <u>Warren</u>	FILE: <u>Queensbury</u>
INTERSECTION: <u>Main Entrance/Aviation Rd</u>		CASE #: <u>1</u>
PERIOD: <u>5</u> YEARS <u>0</u> MONTHS	FROM <u>1/1/2011</u> TO <u>12/31/2015</u>	BY: <u>AEC</u> DATE: <u>7/15/2016</u>



SYMBOLS		MANNER OF COLLISION	
	MOVING VEHICLE		REAR END
	TURNING VEHICLE		LEFT TURN
	BACKING VEHICLE		LEFT TURN
	PARKED VEHICLE		OVERTAKE
	RECORD NUMBER		OUT OF CONTROL
	PEDESTRIAN		HEAD ON
	BICYCLIST		RIGHT TURN
	ANIMAL		RIGHT TURN
	FIXED OBJECT		RIGHT ANGLE
	Fatal		SIDE SWIPE

ACCIDENT RATE CALCULATIONS

- ☐ Segment
- ☒ Intersection

ROUTE: *Burke Drive/Aviation Rd*

LOCATION: *Queensbury, NY*

REFERENCE MARKERS / NODES: *Manor Drive - Burke Drive*

TIME PERIOD: *1/1/2011 - 12/31/2015*

REMARKS: *Selected Accidents*

$$\begin{aligned}\text{ACCIDENT RATE} &= \frac{(9 \text{ selected accidents in } 5.0 \text{ years}) * (1,000,000)}{(365 \text{ days/yr.}) * (5.0 \text{ years}) * (11986 \text{ veh./day})} \\ &= 0.41 \text{ accidents per million entering vehicles}\end{aligned}$$

(Statewide average rate = 0.16)

ACCIDENT SUMMARY SHEET

ROUTE: Burke Drive/Aviation Rd **LOCATION:** Queensbury, NY
MUNICIPALITY: Queensbury **COUNTY:** Warren
TIME PERIOD COVERED: 1/1/2011 - 12/31/2015 **REFERENCE MARKERS / NODES:** Manor Drive - Burke Drive
REMARKS: Selected Accidents **DATE:** 7/15/2016

TIME OF DAY 6 AM - 10 AM 3 33.3% 10 AM - 4 PM 3 33.3% 4 PM - 7 PM 3 33.3% 7 PM - 12 AM 0 0.0% 12 AM - 6 AM 0 0.0% Unspecified 0 0.0% Total 9	DIRECTION North 4 22.2% South 0 0.0% East 9 50.0% West 5 27.8% Total 18	DIRECTION Northeast 0 0.0% Northwest 0 0.0% Southeast 0 0.0% Southwest 0 0.0% Unspecified 0 0.0%
WEATHER Clear 7 77.8% Cloudy 1 11.1% Rain 1 11.1% Snow 0 0.0% Sleet/Hail/Freezing Rain 0 0.0% Fog/Smog/Smoke 0 0.0% Unspecified 0 0.0% Total 9	ACCIDENT TYPE Rear End 4 44.4% Overtake 0 0.0% Right Angle 1 11.1% Left Turn 2 22.2% Right Turn 0 0.0% Fixed Object 0 0.0% Head On 0 0.0% Sideswipe 0 0.0% Total 9	ACCIDENT TYPE Pedestrian 0 0.0% Bicycle 1 11.1% Parked Vehicle 0 0.0% Backing 0 0.0% Run Off The Road 1 11.1% Animal 0 0.0% Other 0 0.0% Unspecified 0 0.0%
SURFACE Dry 8 88.9% Wet 1 11.1% Mud/Slush 0 0.0% Snow/Ice 0 0.0% Unspecified 0 0.0% Total 9	ACCIDENT SEVERITY Fatal 0 0.0% Injury 2 22.2% Property Damage 3 33.3% Non-Reportable 4 44.4% Total 9	
TIME OF YEAR Winter (Dec-Feb) 2 22.2% Spring (Mar-May) 3 33.3% Summer (Jun-Aug) 3 33.3% Fall (Sep-Nov) 1 11.1% Total 9	TYPE OF VEHICLE Passenger Cars 17 100.0% Commercial Vehicles 0 0.0% Total 17	
DAY OF WEEK Sunday 1 11.1% Monday 3 33.3% Tuesday 1 11.1% Wednesday 1 11.1% Thursday 3 33.3% Friday 0 0.0% Saturday 0 0.0% Total 9	LIGHT CONDITION Daylight 9 100.0% Dawn/Dusk 0 0.0% Night 0 0.0% Unspecified 0 0.0% Total 9	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:

	2011	2012	2013	2014	2015
Fatal Accidents	0	0	0	0	0
Injury Accidents	0	0	0	1	1
Property Damage Accidents	1	0	1	0	1
Non-Reportable Accidents	1	1	0	2	0
Total Accidents	2	1	1	3	2

COLLISION DIAGRAM

Key Number = 5

MUNICIPALITY: Queensbury COUNTY: Warren

FILE: Queensbury

INTERSECTION: *Burke Drive/Aviation Rd*

CASE # : 1

PERIOD: 5 YEARS 0 MONTHS FROM 1/1/2011 TO 12/31/2015

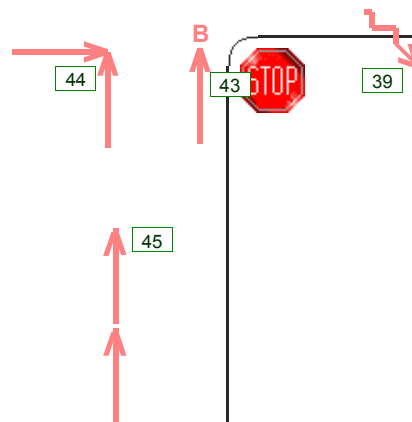
BY: AEC DATE: 7/15/2016



Aviation Road



Aviation Road



Burke Drive

SYMBOLS		MANNER OF COLLISION	
	MOVING VEHICLE	P	PEDESTRIAN
	TURNING VEHICLE	B	BICYCLIST
	BACKING VEHICLE	A	ANIMAL
	PARKED VEHICLE		FIXED OBJECT
	RECORD NUMBER		Fatal
			REAR END
			HEAD ON
			LEFT TURN
			RIGHT TURN
			LEFT TURN
			RIGHT TURN
			OVERTAKE
			RIGHT ANGLE
			OUT OF CONTROL
			SIDE SWIPE

Aviation Road/QUFSD Access**Operations Analysis****JN 1896.001.001****Calc. By: PJC****Date:** 7/15/2016**Checked:****Date:***Engineers • Environmental Scientists • Planners • Landscape Architects***Aviation Road****Growth Rate = 0.5%**

	Year	AADT (vpd)	DDHV (vph)	DHV (vph)	Comments
0	2010	9585			Year of Count Data
1	2011	9633	0	0	
2	2012	9681	0	0	
3	2013	9729	0	0	
4	2014	9778	0	0	
5	2015	9827	0	0	
6	2016	9876	0	0	
7	2017	9926	0	0	
8	2018	9975	0	0	
9	2019	10025	0	0	
10	2020	10075	0	0	
11	2021	10126	0	0	
12	2022	10176	0	0	
13	2023	10227	0	0	
14	2024	10278	0	0	
15	2025	10330	0	0	
16	2026	10381	0	0	
17	2027	10433	0	0	
18	2028	10485	0	0	
19	2029	10538	0	0	
20	2030	10590	0	0	
21	2031	10643	0	0	
22	2032	10697	0	0	
23	2033	10750	0	0	
24	2034	10804	0	0	
25	2035	10858	0	0	

Manor Dr. / Aviation Rd / Midnight Dr.Aviation Road = 4978 EB
4898 WBMidnight Drive = Peak hour total = 23 veh
(Assume Peak hour total is 100% of AADT)

↳ 230 veh

Manor Drive = Peak hour total = 37 veh
(see assumption above)

↳ 370 veh

$$\begin{array}{r} \text{Int. total} = \\ 4978 \\ 4898 \\ 230 \\ \hline 370 \\ \hline \underline{10,476 \text{ veh}} \end{array}$$
Cottage Hill Rd / Aviation Rd

Cottage Hill Rd = Peak hr total = 71 veh (see assumption above)

↳ 710 veh (AADT)

$$\begin{array}{r} \text{Int total} = \\ 4978 \\ 4898 \\ 710 \\ \hline 0 \text{ (highschool ent.)} \\ \hline \underline{10,586 \text{ veh}} \end{array}$$

Main entrance / Aviation Rd / Church Dwy

Main entrance = Peak hr. total = 320 veh (see assumption on p. 1)

↳ 3200 veh

Church Dwy = Peak hr. total = 4 veh.

↳ 40 veh.

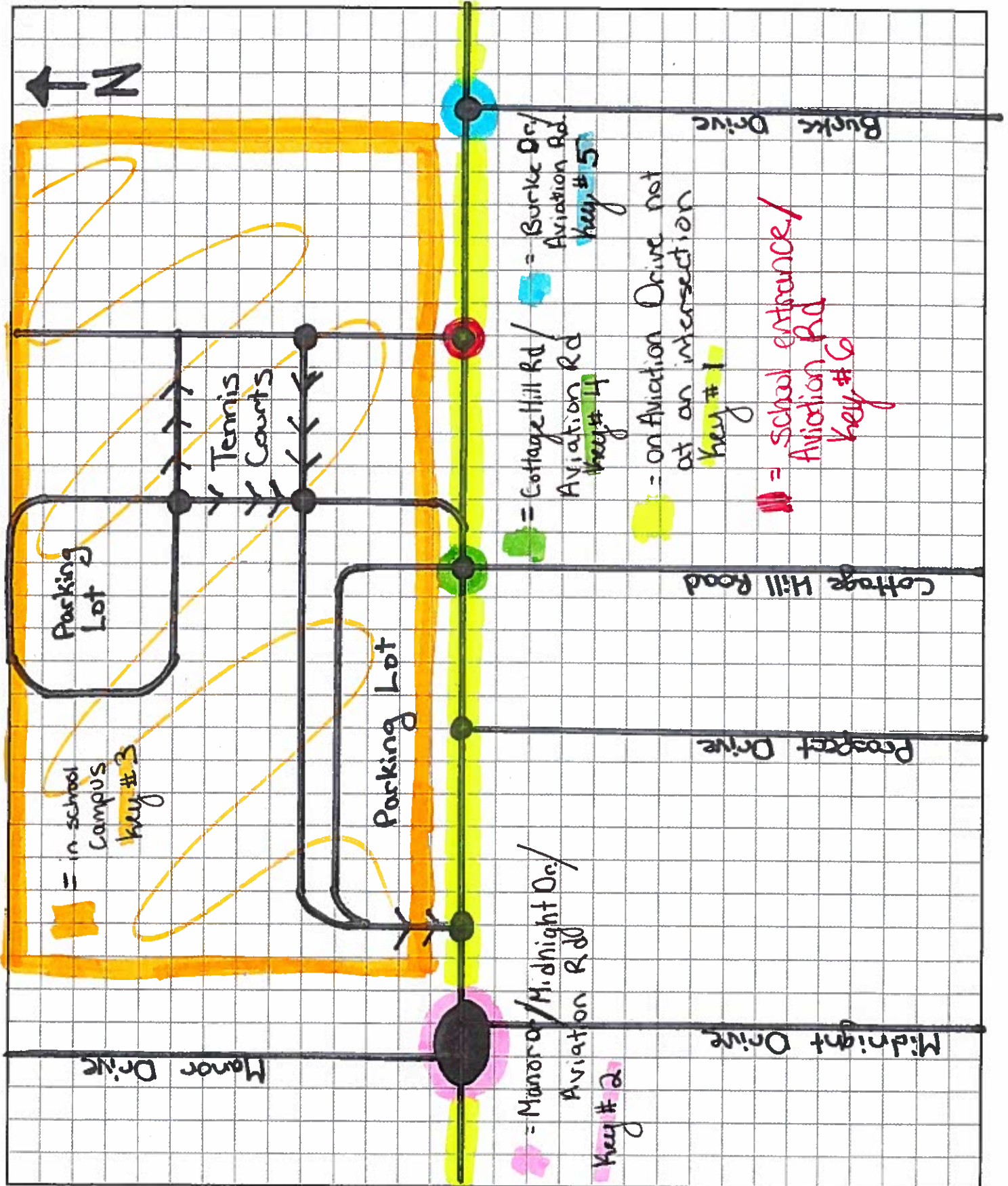
Int. total =	4978
	4898
	3200
	40
	<u>13,116 veh</u>

Burke / Aviation Rd

Burke Dr. = Peak hr. total = 210 veh (see assumption on p. 1)

↳ 2110 veh.

Int. total =	4978
	4898
	2110
	<u>11,986 veh</u>



Date: 7/13/2016
3:13:02 PM

Accident Location Information System(ALIS)

Accident Verbal Description

12987_VDR

Date in this report covers the period - 1/1/2011-12/31/2015

Complete Accident data from NYSDMV is only available thru 12/31/2015 12:00:00 AM

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
24 Meters East of Midnight Dr
1/31/2011

Mon 07:18 AM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: OTHER
Road Surface Condition: SNOW/ICE
Loc. of Ped/Bicycle: NOT APPLICABLE
Persons Killed: 0
Police Agency: NYS SP QUEENSBURY
Case: 2011-33767741
Num of Veh: 3
Road Char.: STRAIGHT AND LEVEL
Weather: CLEAR
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE

Veh :1
CAR/VAN/PICKUP
Registered Weight: 3914
Num of Occupants: 1
Direction of Travel: EAST
Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY
State of Registration: NY
Sex: M
Citation Issued: Y
School Bus Involved: OTHER

Veh :3
CAR/VAN/PICKUP
Registered Weight: 2500
Num of Occupants: 1
Direction of Travel: EAST
Public Property Damage: OTHER
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
State of Registration: NY
Sex: M
Citation Issued: N
School Bus Involved: OTHER

Veh :2
CAR/VAN/PICKUP
Registered Weight: 3700
Num of Occupants: 1
Direction of Travel: EAST
Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE
State of Registration: NY
Sex: M
Citation Issued: Y
School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
AT THE AVIATION RAMP
3/5/2011
Sat 12:30 PM
Accident Class: NON-REPAIRABLE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: WET
Loc. of Ped/Bicycle: NOT APPLICABLE
Persons Killed: 0
Police Agency: NYS SP QUEENSBURY
Case: 2011-33767741
Num of Veh: 2
Road Char.: STRAIGHT AND LEVEL
Weather: CLOUDY
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE

Veh :2
CAR/VAN/PICKUP
Registered Weight:
Num of Occupants: 1
Direction of Travel: EAST
Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE
State of Registration: NY
Sex: F
Citation Issued: N
School Bus Involved: OTHER

Direction of Travel: EAST Public Property Damage: OTHER

Pre-Accd Action: STOPPED IN TRAFFIC

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP

Num of Occupants: 2

Direction of Travel: EAST

Pre-Accd Action: GOING STRAIGHT AHEAD

Apparent Factors: FOLLOWING TOO CLOSELY, DRIVER INATTENTION

State of Registration: NY

Sex: F Citation Issued: N

School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
14 Meters West of Unnamed Street

3/17/2011

Thu 14:19 PM

Persons Killed: 0

Persons Injured: 0

Police Agency: WARREN CO SHERIFF DEPT

Extent of Injuries:

Case: 2011-33814206

Num of Veh: 2

Accident Class: PROPERTY DAMAGE

Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: REAR END

Road Surface Condition: DRY

Loc. of Ped/Bicycle: NOT APPLICABLE

Road Char.: STRAIGHT AND LEVEL

Action of Ped/Bicycle: NOT APPLICABLE

Weather: CLEAR

Light Condition: DAYLIGHT

Traffic Control: TRAFFIC SIGNAL

State of Registration: NY

Sex: F Citation Issued: N

School Bus Involved: OTHER

Veh :2

CAR/VAN/PICKUP

Num of Occupants: 1

Direction of Travel: EAST

Pre-Accd Action: STOPPED IN TRAFFIC

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1

CAR/VAN/PICKUP

Num of Occupants: 3

Direction of Travel: EAST

Pre-Accd Action: GOING STRAIGHT AHEAD

Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

Registered Weight: 4158

Driver's Age: 54

Public Property Damage: OTHER

State of Registration: NY

Sex: F Citation Issued: Y

School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
AT INTERSECTION WITH BURKE DR

3/31/2011

Thu 09:07 AM

Persons Killed: 0

Persons Injured: 0

Police Agency: WARREN CO SHERIFF DEPT

Extent of Injuries:

Case: 2011-33832330

Num of Veh: 3

Accident Class: PROPERTY DAMAGE

Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: OTHER

Road Surface Condition: DRY

Loc. of Ped/Bicycle: NOT APPLICABLE

Road Char.: STRAIGHT/ GRADE

Action of Ped/Bicycle: NOT APPLICABLE

Weather: CLOUDY

Light Condition: DAYLIGHT

Traffic Control: TRAFFIC SIGNAL

State of Registration: NY

Sex: F Citation Issued: Y

School Bus Involved: OTHER

Veh :1

CAR/VAN/PICKUP

Num of Occupants: 1

Direction of Travel: EAST

Pre-Accd Action: GOING STRAIGHT AHEAD

Apparent Factors: FOLLOWING TOO CLOSELY, DRIVER INATTENTION

Registered Weight: 4802

Driver's Age: 31

Public Property Damage: OTHER

State of Registration: NY

Sex: F Citation Issued: Y

School Bus Involved: OTHER

Veh :3 CAR/VAN/PICKUP Registered Weight: 3845 State of Registration: NY
 Num of Occupants: 1 Driver's Age: 36 Sex: F Citation Issued: N
 Direction of Travel: EAST Public Property Damage: OTHER
 Pre-Accd Action: STOPPED IN TRAFFIC
 Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 4827 State of Registration: NY
 Num of Occupants: 1 Driver's Age: 36 Sex: F Citation Issued: N
 Direction of Travel: EAST Public Property Damage: OTHER
 Pre-Accd Action: STOPPED IN TRAFFIC

County: Warren Muni: Queensbury(T) Ref. Marker: Street: Case: 2011-33872113
 5/10/2011 Tue 07:34 AM Persons Killed: 0 Persons Injured: 0 Police Agency: NYSP QUEENSBURY Num of Veh: 2
 Accident Class: PROPERTY DAMAGE Traffic Control: NONE
 Type Of Accident: COLLISION WITH MOTOR VEHICLE
 Manner of Collision: REAR END Weather: CLEAR
 Road Surface Condition: DRY Light Condition: DAYLIGHT
 Loc. of Ped/Bicycle: NOT APPLICABLE Action of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 3028 State of Registration: NY
 Num of Occupants: 1 Driver's Age: Driver's Age: Sex: Citation Issued:
 Direction of Travel: NORTH Public Property Damage: OTHER
 Pre-Accd Action: PARKED
 Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: State of Registration: MD
 Num of Occupants: 2 Driver's Age: 17 Sex: F Citation Issued: N
 Direction of Travel: NORTH Public Property Damage: OTHER
 Pre-Accd Action: ENTERING PARKED POSITION
 Apparent Factors: DRIVER INEXPERIENCE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
 AT INTERSECTION WITH MANOR DR Thu 07:15 AM Persons Killed: 0 Persons Injured: 0 Police Agency: WARREN CO SHERIFF DEPT Case: 2011-33887628
 5/26/2011 Accident Class: NON-REPORTABLE Num of Veh: 2
 Type Of Accident: COLLISION WITH MOTOR VEHICLE
 Manner of Collision: RIGHT ANGLE Traffic Control: STOP SIGN
 Road Surface Condition: DRY Weather: CLEAR
 Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT AND LEVEL Light Condition: DAYLIGHT
 Action of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
 Num of Occupants: 1 Driver's Age: 50 Sex: F Citation Issued: N
 Direction of Travel: WEST Public Property Damage: OTHER
 School Bus Involved: OTHER

Veh : 1	CAR/VAN/PICKUP	Registered Weight:	State of Registration: NY
	Num of Occupants: 2	Driver's Age: 16	Sex: M
	Direction of Travel: SOUTH	Public Property Damage: OTHER	Citation Issued: Y
	Pre-Accd Action: MAKING LEFT TURN		School Bus Involved: OTHER
	Apparent Factors: FAILURE TO YIELD RIGHT OF WAY, DRIVER INEXPERIENCE		

County: Warren	Muni: Queensbury(T)	Ref. Marker:	Street: AVIATION RD
28100	East of John Burke Apts		
6/15/2011	Wed 15:32 PM	Persons Killed: 0	Persons Injured: 0
Accident Class: PROPERTY DAMAGE			Extent of Injuries:
Type Of Accident: COLLISION WITH MOTOR VEHICLE			Police Agency: WARREN CO SHERIFF DEPT
Manner of Collision: REAR END			Police Control: NONE
Road Surface Condition: DRY			Weather: CLEAR
Loc. of Ped/Bicycle: NOT APPLICABLE			Road Char.: STRAIGHT AND LEVEL
			Action of Ped/Bicyclist: NOT APPLICABLE
			Light Condition: DAYLIGHT
			Case: 2011-0000000225
			Num of Veh: 2

Veh :2	CAR/VAN/PICKUP	Unadjusted Weight: 3351	State of Registration: NY
	Num of Occupants: 2	Date of Acc: 2/1/2006	Sex: M
	Direction of Travel: EAST	Public Body Damages: OTHER	Citation Issued: N
	Pre-Accd Action: GOING STRAIGHT AHEAD		School Bus Involved: OTHER
	Apparent Factors: NOT APPLICABLE		

Veh : 1	CAR/VAN/PICKUP	Registered Weight: 3525	State Registration: NY
Non-Occupants: 1	Driver's Age: 44	Sex: M	Issued: Y
Direction of Travel: EAST	Public Property Damage: OTHER	School Bus Involved: N	

County: Queensbury(T) Ref. Marker: Street: RAMP
46 Meters South of Section Rd
6/27/2011 Mon 12:28 PM Persons Killed: 0
Accident Class: NON-FATAL PORTABLE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: SIDESWIPE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Police Agency: NYSP QUEENSBURY
Police Control: NONE
Light Condition: DAYLIGHT
Vehicle: NOT APPLICABLE
Action: CLEAR

Veh :2	CARVAN/PICKUP	Registered Weight: 77	State of Registration: NY
	Num of Occupants: 1	Sex: M	Citation Issued: N
	Direction of Travel: SOUTH	Public Property Damage: OTHER	
	Pre-Accd Action: PARKED		School Bus Involved: OTHER
	Apparent Factor: NOT APPLICABLE, NOT APPLICABLE		

Veh : ~~1~~ CAR/VAN/PICKUP
Registered Weight: State of Registration: NY

Num of Occupants: 3 Driver's Age: 42 Sex: F Citation Issued: Y
 Direction of Travel: NORTH School Bus Involved: OTHER

Pre-Accd Action: BACKING UNSAFELY, NOT APPLICABLE

Muni: Queensbury(T) Ref: Marker: 254 17011000 Street: AVIATION RD
 AT INTERSECTION WITH Ramp
 7/27/2011 11:14:27 PM Persons Killed: 0 Persons Injured: 1 Extent of Injuries: C Case: 2011-33968333
 Accidents: INJURY Police Agency: WARREN CO SHERIFF DEPT
 Type Of Accident: COLLISION WITH PEDESTRIAN
 Manner of Collision: OTHER Traffic Control: TRAFFIC SIGNAL
 Road Surface Condition: DRY Weather: CLEAR
 Loc. of Ped/Bicycle: PED/BICYCLIST NOT AT INTERSECTION Road Char.: STRAIGHT AND LEVEL
 Action of Ped/Bicycle: CROSSING WITH SIGNAL

Veh :1 OTHER Registered Weight: State of Registration: Citation Issued:
 Num of Occupants: 0 Driver's Age: Sex: School Bus Involved: OTHER

Direction of Travel: NORTH Public Property Damage: OTHER
 Pre-Accd Action: GOING STRAIGHT AHEAD
 Apparent Factors: FAILURE TO YIELD RIGHT OF WAY, NOT APPLICABLE

Veh :2 PEDESTRIAN Registered Weight: State of Registration: Citation Issued:
 Num of Occupants: 0 Driver's Age: 24 Sex: F School Bus Involved: OTHER

Direction of Travel: NOT APPLICABLE Public Property Damage: OTHER
 Pre-Accd Action: NOT APPLICABLE
 Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Muni: Queensbury(T) Ref: Marker: 254 17011000 Street: AVIATION RD
 20 Meters Ramp
 9/6/2011 11:20 PM Persons Killed: 0 Persons Injured: 0 Extent of Injuries: C Case: 2011-34010391
 Accidents: PROPERTY DAMAGE Police Agency: NYSP QUEENSBURY Num of Veh: 2
 Type Of Accident: COLLISION WITH MOTOR VEHICLE
 Manner of Collision: REAR Traffic Control: TRAFFIC SIGNAL
 Road Surface Condition: DRY Weather: CLOUDY
 Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT AND LEVEL
 Action of Ped/Bicycle: NOT APPLICABLE Light Condition: DAYLIGHT

Veh :2 CAR/VAN/PICKUP Registered Weight: 4200 State of Registration: NY
 Num of Occupants: 5 Driver's Age: 42 Sex: F Citation Issued: N
 Direction of Travel: WEST School Bus Involved: OTHER

Pre-Accd Action: STOPPED IN TRAFFIC
 Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 2932 State of Registration: NY
 Num of Occupants: 1 Driver's Age: 29 Sex: M Citation Issued:
 Direction of Travel: WEST Public Property Damage: OTHER
 Pre-Accd Action: STARTING IN TRAFFIC School Bus Involved: OTHER

Apparent Factors: FOLLOWING TOO CLOSELY, DRIVER INATTENTION

County: Warren Muni: Queensbury(T) Ref: Marker: Street: BURKE DR
52 Meters South of Aviation
9/7/2011
Wed 07:31 AM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: OTHER
Road Surface Condition: WET
Loc. of Ped/Bicycle: NOT APPLICABLE
Persons Killed: 0
Persons Injured: 0
Police Agency: NYS SP QUEENSBURY
Extent of Injuries:
Traffic Control: NONE
Weather: RAIN
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Citation Issued: N
Involved: OTHER
Road Char.: STRAIGHT AND LEVEL
Registered Weight: 3627
Driver's Age: 62
Public Property Damage: OTHER
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: DRIVER INATTENTION, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street:
9/14/2011 Wed 18:40 PM
Persons Killed: 0
Persons Injured: 0
Police Agency: NYS SP QUEENSBURY
Extent of Injuries:
Traffic Control: NONE
Weather: CLEAR
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Registered Weight:
Driver's Age: 59
Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: PASSING OR LANE USAGE IMPROPERLY, NOT APPLICABLE

Veh :1
CAR/VAN/PICKUP
Num of Occupants: 1
Direction of Travel: NORTH
State of Registration: CT
Sex: F
Citation Issued: Y
School Bus Involved: OTHER

Veh :2
CAR/VAN/PICKUP
Num of Occupants: 3
Direction of Travel: WEST
State of Registration: NY
Sex: F
Citation Issued: N
School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
39 Meters East of Unnamed Street
9/26/2011 Mon 16:00 PM
Persons Killed: 0
Persons Injured: 0
Police Agency: NYS SP QUEENSBURY
Extent of Injuries:
Traffic Control: NONE
Weather: CLEAR
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Registered Weight: 3800
Driver's Age: 69
Public Property Damage: OTHER
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

School Bus Involved: OTHER

Public Property Damage: OTHER

Direction of Travel: WEST

Pre-Accd Action: STARTING IN TRAFFIC

Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

Veh :2

BUS Registered Weight:

Num of Occupants: 38

Direction of Travel: WEST

Public Property Damage: OTHER

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

State of Registration: NY

Sex: F

Citation Issued: N

School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
130 Meters West of Prospect Dr

10/17/2011

Mon 07:10 AM

Persons Killed: 0

Persons Injured: 1

Extent of Injuries: C

Police Agency: NY SP QUEENSBURY

Case: 2011-34054234

Num of Veh: 2

Accident Class: PROPERTY DAMAGE AND INJURY

Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: REAR END

Road Surface Condition: WET

Loc. of Ped/Bicycle: NOT APPLICABLE

Road Char.: STRAIGHT AND LEVEL

Action of Ped/Bicycle: NOT APPLICABLE

Weather: CLEAR

Light Condition: DAYLIGHT

Veh :1

CAR/VAN/PICKUP

Registered Weight: 3049

Driver's Age: 26

Num of Occupants: 1

Direction of Travel: EAST

Public Property Damage: OTHER

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: DRIVER INATTENTION, FOLLOWING TOO CLOSELY

State of Registration: NY

Sex: F

Citation Issued: N

School Bus Involved: OTHER

Veh :2

CAR/VAN/PICKUP

Registered Weight: 3700

Driver's Age: 57

Num of Occupants: 1

Direction of Travel: EAST

Public Property Damage: OTHER

Pre-Accd Action: STOPPED IN TRAFFIC

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

State of Registration: NY

Sex: F

Citation Issued: N

School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
43 Meters East of Prospect Dr

10/21/2011

Fri 15:04 PM

Persons Killed: 0

Persons Injured: 0

Extent of Injuries:

Police Agency: WARREN CO SHERIFF DEPT

Case: 2011-34054234

Num of Veh: 3

Accident Class: NON-REPAIRABLE VEHICLE

Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: OTHER

Road Surface Condition: DRY

Loc. of Ped/Bicycle: NOT APPLICABLE

Road Char.: STRAIGHT AND LEVEL

Action of Ped/Bicycle: NOT APPLICABLE

Weather: CLOUDY

Light Condition: DAYLIGHT

Veh :1

CAR/VAN/PICKUP

Registered Weight:

Driver's Age: 75

Num of Occupants: 1

Direction of Travel: WEST

Public Property Damage: OTHER

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

State of Registration: NY

Sex: M

Citation Issued: Y

School Bus Involved: OTHER

Veh :2 CAR/VAN/PICKUP
Num of Occupants: 2
Direction of Travel: WEST
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Registered Weight:
Driver's Age: 16
Public Property Damage: OTHER
School Bus Involved: OTHER
State of Registration: NY
Sex: F
Citation Issued: N

Veh :3 CAR/VAN/PICKUP
Num of Occupants: 2
Direction of Travel: WEST
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Registered Weight:
Driver's Age: 18
Public Property Damage: OTHER
School Bus Involved: OTHER
State of Registration: NY
Sex: M
Citation Issued: N

Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren **Muni:** Queensbury(T) **Ref. Marker:** Street: AVIATION RD
43 Meters West of Cottage Hill Rd
10/27/2011 **Thu 07:20 AM** **Persons Killed:** 0 **Persons Injured:** 1 **Case: 2011-34067352** **Num of Veh: 2**
Accident Class: PROPERTY DAMAGE AND INJURY **Police Agency:** NYSP QUEENSBURY
Type Of Accident: COLLISION WITH MOTOR VEHICLE **Traffic Control:** NO PASSING ZONE
Manner of Collision: REAR END **Weather:** RAIN
Road Surface Condition: WET **Light Condition:** DAYLIGHT
Loc. of Ped/Bicycle: NOT APPLICABLE **Road Char.:** STRAIGHT AND LEVEL **Action of Ped/Bicycle:** NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP
Num of Occupants: 1
Direction of Travel: EAST
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE
Registered Weight: 2916
Driver's Age: 16
Public Property Damage: OTHER
School Bus Involved: OTHER
State of Registration: NY
Sex: F
Citation Issued: Y

Veh :2 CAR/VAN/PICKUP
Num of Occupants: 2
Direction of Travel: EAST
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Registered Weight: 4060
Driver's Age: 49
Public Property Damage: OTHER
School Bus Involved: OTHER
State of Registration: NY
Sex: F
Citation Issued: N

County: Warren **Muni:** Queensbury(T) **Ref. Marker:** Street: AVIATION RD
11/2/2011 **Wed 07:00 PM** **Persons Killed:** 0 **Persons Injured:** 0 **Case: 2011-34077810** **Num of Veh: 2**
Accident Class: NOT APPLICABLE **Police Agency:** WARREN CO SHERIFF DEPT
Type Of Accident: COLLISION WITH MOTOR VEHICLE **Traffic Control:** NONE
Manner of Collision: REAR END **Weather:** CLEAR
Road Surface Condition: DRY **Light Condition:** DAYLIGHT
Loc. of Ped/Bicycle: NOT APPLICABLE **Road Char.:** STRAIGHT AND LEVEL **Action of Ped/Bicycle:** NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP
Num of Occupants: 1
Direction of Travel: WEST
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Registered Weight:
Driver's Age: 51
Public Property Damage: OTHER
School Bus Involved: OTHER
State of Registration: NY
Sex: F
Citation Issued: N

Pre-Accd Action: STOPPED IN TRAFFIC

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP

Num of Occupants: 2

Direction of Travel: WEST

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: COTTAGE HILL RD

30 Meters East of Unnamed Street

11/1/2011

Thu 10:12 PM

Persons Killed: 0

Persons Injured: 0

Extent of Injuries:

Police Agency: WARREN CO SHERIFF DEPT

Accident Class: PROPERTY DAMAGE

Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: STRAIGHT AHEAD

Road Surface Condition: DRY

Loc. of Ped/Bicycle: NOT APPLICABLE

Road Char.: STRAIGHT AND LEVEL

Light Condition: DARK-ROAD UNLIGHTED

Action of Ped/Bicycle: NOT APPLICABLE

Weather: CLEAR

Traffic Control: NONE

Case: 2011-34078

Num of Veh: 2

Veh :1 CAR/VAN/PICKUP

Num of Occupants: 1

Direction of Travel: SOUTH

Pre-Accd Action: BACKING

Apparent Factors: DRIVER INATTENTION, NOT APPLICABLE

Public Property Damage: OTHER

Registered Weight: 3833

Driver's Age: 22

State of Registration: NY

Citation Issued: N

School Bus Involved: OTHER

Veh :2 CAR/VAN/PICKUP

Num of Occupants: 1

Direction of Travel: NORTH

Pre-Accd Action: PARKED

Registered Weight:

Driver's Age:

Public Property Damage: OTHER

State of Registration: VT

Citation Issued:

School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD

2 Meters East of Unnamed Street

11/3/2011

Thu 19:25 PM

Persons Killed: 0

Persons Injured: 0

Extent of Injuries:

Police Agency: WARREN CO SHERIFF DEPT

Accident Class: PROPERTY DAMAGE

Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: UNKNOWN

Road Surface Condition: DRY

Loc. of Ped/Bicycle: NOT APPLICABLE

Road Char.: STRAIGHT AND LEVEL

Light Condition: DARK-ROAD LIGHTED

Action of Ped/Bicycle: NOT APPLICABLE

Traffic Control: TRAFFIC SIGNAL

Weather: CLEAR

Case: 2011-34092917

Num of Veh: 2

Veh :1 CAR/VAN/PICKUP

Num of Occupants: 2

Direction of Travel: SOUTH

Pre-Accd Action: MAKING LEFT TURN

Apparent Factors: TURNING IMPROPER, NOT APPLICABLE

Registered Weight: 3671

Driver's Age: 33

Public Property Damage: OTHER

State of Registration: NY

Citation Issued: N

School Bus Involved: OTHER

Veh :2 CAR/VAN/PICKUP

Registered Weight: 2750

State of Registration: NY

Num of Occupants: 2 Driver's Age: 44 Sex: M Citation Issued: Y
Direction of Travel: NORTH Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: BURKE DR
53 Meters South of Intersection with Aviation Rd
12/10/2011 Sat 12:15 PM Persons Killed: 0 Persons Injured: 0 Police Agency: NYS SP QUEENSBURY Case: 2011-34142302 Num of Veh: 2
Accident Class: NON-REPORTABLE Traffic Control: NONE
Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLEAR
Manner of Collision: REAR END Light Condition: DARK-ROAD LIGHTED
Road Surface Condition: WET Action of Ped/Bicycle: NOT APPLICABLE
Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT AND LEVEL

Veh :2 CAR/VAN/PICKUP Registered Weight: 3000 lbs Driver's Age: 20
Num of Occupants: 2 Driver's Sex: M Citation Issued: Y
Direction of Travel: SOUTH Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: ENTERING PARKED POSITION
Apparent Factors: FAILURE TO YIELD RIGHT OF WAY, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 3000 lbs Driver's Age: 43
Num of Occupants: 1 Driver's Sex: M Citation Issued: N
Direction of Travel: NORTH Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: BACKING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
AT INTERSECTION WITH BURKE DR
11/21/2011 Mon 12:15 PM Persons Killed: 0 Persons Injured: 0 Police Agency: WARREN CO SHERIFF DEPT Case: 2011-34142302 Num of Veh: 1
Accident Class: NON-REPORTABLE Traffic Control: NONE
Type Of Accident: OTHER NON-COLLISION Weather: CLEAR
Manner of Collision: OTHER Light Condition: DAYLIGHT
Road Surface Condition: DRY Action of Ped/Bicycle: NOT APPLICABLE
Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT AND LEVEL

Veh :1 CAR/VAN/PICKUP Registered Weight: 3000 lbs Driver's Age: 28
Num of Occupants: 1 Driver's Sex: F Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: TIRE FAILURE/INADEQUATE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
AT INTERSECTION WITH MIDNIGHT DR
11/23/2011 Wed Persons Killed: 0 Persons Injured: 0 Police Agency: NOT ENTERED Case: 2011-34146643 Num of Veh: 2
Accident Class: PROPERTY DAMAGE Traffic Control: NONE
Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLOUDY
Manner of Collision: UNKNOWN

Road Surface Condition: UNKNOWN Road Char.: STRAIGHT AND LEVEL Light Condition: DAYLIGHT
Loc. of Ped/Bicycle: NOT APPLICABLE Action of Ped/Bicycle: NOT APPLICABLE

Veh :2 TRUCK Registered Weight: Driver's Age: State of Registration: NY Citation Issued:
Num of Occupants: 0 Public Property Damage: OTHER Sex: School Bus Involved: OTHER

Direction of Travel: NORTH
Pre-Accd Action: BACKING
Apparent Factors: UNKNOWN, UNKNOWN

Veh :1 CAR/VAN/PICKUP Registered Weight: 3753 State of Registration: NY
Num of Occupants: 2 Driver's Age: 47 Sex: F Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: UNKNOWN, UNKNOWN

20 Miles of Poplar Ln
1/20/2012 12:26 AM Persons Killed: 0 Persons Injured: 0 Police Agency: NYSP QUEENSBURY Case: 2012-34178443 Num of Veh: 2
Accident Type: PROPERTY DAMAGE Extent of Injuries: Traffic Control: CLOSING ZONE

Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR
Road Surface Condition: SNOW/ICE
Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT AND LEVEL Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 3211 State of Registration: NY
Num of Occupants: 1 Driver's Age: Sex: M Citation Issued: Y
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: FOLLOWING TOO CLOSELY, PAVEMENT SLIPPERY

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 1 Driver's Age: 36 Sex: M Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER

Pre-Accd Action: STOPPED IN TRAFFIC

County: Warren Muni: Queensbury(T) Ref: Marker: 254 17011001 Street: [Route] 254
1/30/2012 Mon 11:23 AM Persons Injured: 0 Extent of Injuries: Case: 2012-34192522 Num of Veh: 2
Accident Class: NON-REPORTABLE Police Agency: WARREN CO SHERIFF DEPT Traffic Control: NONE

Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLOUDY
Manner of Collision: REAR END Light Condition: DAYLIGHT
Road Surface Condition: DRY Action of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 1 Driver's Age: 65 Sex: M Citation Issued: N

County: Warren	Muni: Queensbury(I)	Ref. Marker:	Street:	Persons Injured: 0	Extent of Injuries:	Case: 2012-34200328	Num of Veh: 2
2/7/2012	Tue 2:45 PM	Persons Killed: 0	Accident Class: NON-REPORTABLE	Police Agency: NYSP QUEENSBURY			
	Type Of Accident: COLLISION WITH MOTOR VEHICLE		Manner of Collision: OVERTAKING		Weather: CLEAR		Traffic Control: NONE
	Road Surface Condition: DRY		Road Char.: STRAIGHT AND LEVEL		Light Condition: DARK-ROAD UNLIGHTED		
	Loc. of Ped/Bicycle: NOT APPLICABLE			Action of Ped/Bicycle: NOT APPLICABLE			
Veh :2	CAR/VAN/PICKUP	Registered Weight:	State of Registration: NY				
	Num of Occupants: 1	Driver's Age:	Sex: U		Citation Issued: N		
	Direction of Travel: SOUTH	Public Property Damage: OTHER			School Bus Involved: OTHER		
	Pre-Accd Action: PARKED						
	Apparent Factors: NOT APPLICABLE, NOT APPLICABLE						
Veh :1	CAR/VAN/PICKUP	Registered Weight:	State of Registration: NY				
	Num of Occupants: 1	Driver's Age: 48	Sex: M		Citation Issued: N		
	Direction of Travel: SOUTH	Public Property Damage: OTHER			School Bus Involved: OTHER		
	Pre-Accd Action: GOING STRAIGHT AHEAD						
	Apparent Factors: NOT APPLICABLE, TURNING IMPROPER						

[illegible]

Veh :2 CAR/VAN/PICKUP Registered Weight: 2483 State of Registration: NY
Num of Occupants: 1 Driver's Age: 18 Sex: Citation Issued:
Direction of Travel: SOUTH School Bus Involved: OTHER
Pre-Accd Action: BASS
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
AT INTERSECTION WITH BURKE DR
4/23/2012 Mon 14:14 PM Persons Killed: 0 Persons Injured: 0 Extent of Injuries: Case: 2012-34283606 Num of Veh: 2
Accident Class: NON-REPORTABLE Police Agency: WARREN CO SHERIFF DEPT Traffic Control: NONE
Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLEAR
Manner of Collision: REAR END Road Char.: STRAIGHT AND LEVEL Light Condition: DAYLIGHT
Road Surface Condition: DRY Action of Ped/Bicycle: NOT APPLICABLE
Loc. of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 1 Driver's Age: 18 Sex: F Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE School Bus Involved: OTHER

Veh :1 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 1 Driver's Age: 17 Sex: F Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref: Marker: Street: UNNAMED STREET
136 Meters North of Aviation Rd
4/26/2012 Thu 15:25 PM Persons Killed: 0 Persons Injured: 0 Extent of Injuries: Case: 2012-34285491 Num of Veh: 2
Accident Class: NON-REPORTABLE Police Agency: NYSP QUEENSBURY Traffic Control: YIELD SIGN
Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: RAIN
Manner of Collision: REAR END Road Char.: CURVE AND LEVEL Light Condition: DAYLIGHT
Road Surface Condition: WET Action of Ped/Bicycle: NOT APPLICABLE
Loc. of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 2 Driver's Age: 57 Sex: F Citation Issued: N
Direction of Travel: NORTH Public Property Damage: OTHER
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE School Bus Involved: OTHER

Veh :1 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 1 Driver's Age: 17 Sex: M Citation Issued: Y
Direction of Travel: NORTH Public Property Damage: OTHER
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE School Bus Involved: OTHER

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: **Case: 2012-34306210**
5/11/2012 Fri 14:20 PM Persons Killed: 0 Police Agency: NYSP QUEENSBURY Num of Veh: 2
 Accident Class: PROPERTY DAMAGE Traffic Control: NONE
 Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLEAR
 Manner of Collision: LEFT TURN (AGAINST OTHER CAR) Light Condition: DAYLIGHT
 Road Surface Condition: DRY Road Char.: STRAIGHT AND LEVEL Action of Ped/Bicycle: NOT APPLICABLE
 Loc. of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 3158 State of Registration: NY
 Num of Occupants: 1 Driver's Age: 16 Sex: M Citation Issued: N
 Direction of Travel: NORTH Public Property Damage: OTHER School Bus Involved: OTHER

Pre-Accd Action: MAKING LEFT TURN

Apparent Factors: DRIVER INATTENTION, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 2785 State of Registration: NY
 Num of Occupants: 1 Driver's Age: 17 Sex: F Citation Issued: N
 Direction of Travel: WEST Public Property Damage: OTHER School Bus Involved: OTHER

Pre-Accd Action: STOPPED IN TRAFFIC

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
 32 Meters East of Unnamed Street
7/29/2012 Sun 12:34 PM Persons Killed: 0 Police Agency: WARREN CO SHERIFF DEPT Num of Veh: 2
 Accident Class: NON-REPORTABLE Traffic Control: TRAFFIC SIGNAL
 Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLEAR
 Manner of Collision: REAR END Light Condition: DAYLIGHT
 Road Surface Condition: DRY Road Char.: STRAIGHT AND LEVEL Action of Ped/Bicycle: NOT APPLICABLE
 Loc. of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
 Num of Occupants: 1 Driver's Age: 63 Sex: M Citation Issued: N
 Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
 Num of Occupants: 1 Driver's Age: 45 Sex: M Citation Issued: Y
 Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD

Apparent Factors: FOLLOWING TOO CLOSELY, DRIVER INATTENTION

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
 15 Meters West of BURKE DR

9/14/2012 Fri 07:57 AM Persons Killed: 0 Persons Injured: 0 Extent of Injuries: **Case: 2012-34442826** Num of Veh: 2
 Accident Class: NON-REPORTABLE Police Agency: WARREN CO SHERIFF DEPT Traffic Control: OTHER
 Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLEAR
 Manner of Collision: OVERTAKING Light Condition: DAYLIGHT
 Road Surface Condition: DRY Road Char.: STRAIGHT AND LEVEL Action of Ped/Bicycle: NOT APPLICABLE
 Loc. of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
 Num of Occupants: 3 Driver's Age: 31 Sex: F Citation Issued: N
 Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
 Pre-Accd Action: GOING STRAIGHT AHEAD
 Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
 Num of Occupants: 3 Driver's Age: 34 Sex: M Citation Issued: Y
 Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
 Pre-Accd Action: MERGING
 Apparent Factors: FAILURE TO YIELD RIGHT OF WAY, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: MIDNIGHT DR
 AT INTERSECTION WITH AVIATION RD
9/22/2012 Sat 22:37 PM Persons Killed: 0 Persons Injured: 0 Extent of Injuries: **Case: 2012-34447306** Num of Veh: 1
 Accident Class: NON-REPORTABLE Police Agency: WARREN CO SHERIFF DEPT Traffic Control: NONE
 Type Of Accident: COLLISION WITH SIGN POST Weather: CLEAR
 Manner of Collision: OTHER Light Condition: DARK-ROAD LIGHTED
 Road Surface Condition: DRY Road Char.: STRAIGHT AND LEVEL Action of Ped/Bicycle: NOT APPLICABLE
 Loc. of Ped/Bicycle: NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
 Num of Occupants: 1 Driver's Age: 48 Sex: F Citation Issued: Y
 Direction of Travel: NORTH Public Property Damage: OTHER School Bus Involved: OTHER
 Pre-Accd Action: GOING STRAIGHT AHEAD
 Apparent Factors: ALCOHOL INVOLVEMENT, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
 26 Meters West of John Burke Apts
9/21/2012 Fri 14:25 PM Persons Killed: 0 Persons Injured: 0 Extent of Injuries: **Case: 2012-34453604** Num of Veh: 2
 Accident Class: PROPERTY DAMAGE Police Agency: NYSP QUEENSBURY Traffic Control: SCHOOL ZONE
 Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLEAR
 Manner of Collision: REAR END Light Condition: DAYLIGHT
 Road Surface Condition: DRY Road Char.: STRAIGHT AND LEVEL Action of Ped/Bicycle: NOT APPLICABLE
 Loc. of Ped/Bicycle: NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 3120 State of Registration: NY
 Num of Occupants: 1 Driver's Age: 18 Sex: M Citation Issued: Y
 Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
 Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 3935 State of Registration: NY
Num of Occupants: 1 Driver's Age: 52 Sex: F Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
39 Meters East of Unnamed Street
10/3/2012 Wed 08:26 AM Persons Killed: 0 Persons Injured: 0
Accident Class: PROPERTY DAMAGE Police Agency: NYSP QUEENSBURY Case: **2012-34458491** Num of Veh: 2
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: WET
Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE Weather: RAIN
Light Condition: DAYLIGHT

Veh :2 CAR/VAN/PICKUP Registered Weight: 3461 State of Registration: NY
Num of Occupants: 1 Driver's Age: 34 Sex: F Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 2698 State of Registration: NY
Num of Occupants: 1 Driver's Age: 22 Sex: F Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY

County: Warren Muni: Queensbury(T) Ref. Marker: 254 17011000 Street: AVIATION RD
AVIATION INTERSECTION WITH Ramp
10/25/2012 Thu 15:42 PM Persons Killed: 0 Persons Injured: 0
Accident Class: NON-REPORTABLE Police Agency: WARREN CO SHERIFF DEPT Case: **2012-344585063** Num of Veh: 3
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: OTHER
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE Traffic Condition: CLEAR
Light Condition: DAYLIGHT

Veh :1 CAR/VAN/PICKUP Registered Weight: 2698 State of Registration: NY
Num of Occupants: 2 Driver's Age: 28 Sex: F Citation Issued: Y
Direction of Travel: WEST Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: FOLLOWING TOO CLOSELY, DRIVER INATTENTION

Veh :2 CAR/VAN/PICKUP Registered Weight: 38 State of Registration: NY
Num of Occupants: 5 Driver's Age: 38 Sex: M Citation Issued: N

County: Warren		Muni: Queensbury(T)		Ref: Marker: Street: AVIATION RD		Public Property Damage: OTHER		School Bus Involved: OTHER	
11/13/2012		Tue 07:29 AM		Persons Killed: 0		Persons Injured: 1		Extent of Injuries: C	
Veh :3		CAR/VAN/PICKUP		Accident Class: PROPERTY DAMAGE AND INJURY		Police Agency: NYSP QUEENSBURY		Case: 2012-34531384	
Num of Occupants: 1		Direction of Travel: WEST		Manner of Collision: COLLISION WITH MOTOR VEHICLE		Weather: SLEET/HAIL/FREEZING RAIN		Traffic Control: NONE	
Pre-Accd Action: STOPPED IN TRAFFIC		Road Surface Condition: WET		Road Char.: STRAIGHT AND LEVEL		Light Condition: DAYLIGHT		Action of Ped/Bicycle: NOT APPLICABLE	
Loc. of Ped/Bicycle: NOT APPLICABLE		Registered Weight: 2634		State of Registration: NY		Sex: F		Citation Issued: N	
Num of Occupants: 1		Direction of Travel: WEST		Public Property Damage: OTHER		School Bus Involved: OTHER			
Pre-Accd Action: GOING STRAIGHT AHEAD		Registered Weight: 3967		State of Registration: NY		Sex: F		Citation Issued: N	
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE		Num of Occupants: 2		Public Property Damage: OTHER		School Bus Involved: OTHER			
Direction of Travel: NORTH		Direction of Travel: NORTH		Public Property Damage: OTHER		School Bus Involved: OTHER			
Pre-Accd Action: MAKING LEFT TURN		Pre-Accd Action: MAKING LEFT TURN		Public Property Damage: OTHER		School Bus Involved: OTHER			
Apparent Factors: FAILURE TO YIELD RIGHT OF WAY, NOT APPLICABLE		Apparent Factors: FAILURE TO YIELD RIGHT OF WAY, NOT APPLICABLE		Public Property Damage: OTHER		School Bus Involved: OTHER			
County: Warren		Muni: Queensbury(T)		Ref: Marker: Street:		Public Property Damage: OTHER		School Bus Involved: OTHER	
11/24/2012		Thu 08:12 AM		Persons Killed: 0		Persons Injured: 0		Extent of Injuries:	
Veh :1		CAR/VAN/PICKUP		Accident Class: NON-REPORTABLE		Police Agency: NYSP QUEENSBURY		Case: 2013-34624333	
Num of Occupants: 3		Direction of Travel: EAST		Manner of Collision: COLLISION WITH MOTOR VEHICLE		Weather: CLOUDY		Traffic Control: NO PASSENGER	
Pre-Accd Action: MAKING LEFT TURN		Road Surface Condition: DRY		Road Char.: CURVE AND LEVEL		Light Condition: DAYLIGHT		Action of Ped/Bicycle: NOT APPLICABLE	
Loc. of Ped/Bicycle: NOT APPLICABLE		Registered Weight: 51		State of Registration: NY		Sex: F		Citation Issued: Y	
Num of Occupants: 3		Direction of Travel: EAST		Public Property Damage: OTHER		School Bus Involved: OTHER			
Pre-Accd Action: MAKING LEFT TURN		Pre-Accd Action: MAKING LEFT TURN		Public Property Damage: OTHER		School Bus Involved: OTHER			
Apparent Factors: NOT APPLICABLE, PASSING OR LANE USAGE IMPROPERLY		Apparent Factors: NOT APPLICABLE, PASSING OR LANE USAGE IMPROPERLY		Public Property Damage: OTHER		School Bus Involved: OTHER			

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 1 Sex: F Citation Issued: N
Direction of Travel: WARREN CO SHERIFF DEPT
Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
AT INTERSECTION WITH BURKE DR
1/24/2013 Thu 08:21 AM Persons Killed: 0 Persons Injured: 0 Extent of Injuries: Case: 2013-34642413 Num of Veh: 2
Accident Class: PROPERTY DAMAGE Police Agency: WARREN CO SHERIFF DEPT Traffic Control: STOP SIGN
Type Of Accident: COLLISION WITH MOTOR VEHICLE Manner of Collision: LEFT TURN (WITH OTHER CAR) Weather: CLEAR
Road Surface Condition: DRY Road Char.: STRAIGHT AND LEVEL Light Condition: DAYLIGHT
Loc. of Ped/Bicycle: NOT APPLICABLE Action of Ped/Bicycle: NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 3449 State of Registration: NY
Num of Occupants: 1 Driver's Age: 62 Citation Issued: Y
Direction of Travel: SOUTH-WEST Public Property Damage: OTHER
Pre-Accd Action: MAKING LEFT TURN School Bus Involved: OTHER

Apparent Factors: FAILURE TO YIELD RIGHT OF WAY, NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 4267 State of Registration: NY
Num of Occupants: 1 Driver's Age: 77 Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD School Bus Involved: OTHER

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: UNNAMED STREET
15 Meters North of Aviation Rd
3/4/2013 Mon 16:15 PM Persons Killed: 0 Persons Injured: 0 Extent of Injuries: Case: 2013-34683553 Num of Veh: 2
Accident Class: NON-REPORTABLE Police Agency: NYSP QUEENSBURY Traffic Control: TRAFFIC SIGNAL
Type Of Accident: COLLISION WITH MOTOR VEHICLE Manner of Collision: OVERTAKING Weather: CLOUDY
Road Surface Condition: DRY Road Char.: STRAIGHT AND LEVEL Light Condition: DAYLIGHT
Loc. of Ped/Bicycle: NOT APPLICABLE Action of Ped/Bicycle: NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 2 Driver's Age: 45 Citation Issued: N
Direction of Travel: SOUTH Public Property Damage: OTHER
Pre-Accd Action: CHANGING LANES School Bus Involved: OTHER

Apparent Factors: UNSAFE LANE CHANGE, NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 2 Driver's Age: 37 Citation Issued: N
Direction of Travel: SOUTH Public Property Damage: OTHER
School Bus Involved: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: STATE HWY 254
37 Meters West of Ramp
4/2/2013 Tue 19:20 PM Persons Killed: 0 Persons Injured: 0
Accident Class: NON-REPORTABLE Police Agency: NYSP QUEENSBURY Case: **2013-34730535** Num of Veh: 1
Type Of Accident: COLLISION WITH OTHER FIXED OBJECT Extent of Injuries:
Manner of Collision: OTHER Weather: CLEAR Traffic Control: NONE
Road Surface Condition: DRY Road Char.: STRAIGHT AND LEVEL Light Condition: DUSK
Loc. of Ped/Bicycle: NOT APPLICABLE Action of Ped/Bicycle: NOT APPLICABLE

Veh :1 OTHER Registered Weight: State of Registration: QC Citation Issued: N
Num of Occupants: 1 Driver's Age: 65 Sex: M
Direction of Travel: NORTH Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: MAKING LEFT TURN
Apparent Factors: VIEW OBSTRUCTED/LIMITED, DRIVER INEXPERIENCE

County: Warren Muni: Queensbury(T) Ref. Marker: 254 17011000 Street: AVIATION RD
37 Meters East of Ramp
6/24/2013 Mon 14:25 PM Persons Killed: 0 Persons Injured: 1
Accident Class: PROPERTY DAMAGE AND INJURY Police Agency: WARREN CO SHERIFF DEPT Case: **2013-34828344** Num of Veh: 3
Type Of Accident: COLLISION WITH MOTOR VEHICLE Extent of Injuries: C
Manner of Collision: OTHER Traffic Control: TRAFFIC SIGNAL
Road Surface Condition: DRY Weather: CLEAR
Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT AND LEVEL Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP State of Registration: NY Citation Issued: Y
Num of Occupants: 1 Driver's Age: 27 Sex: M
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP State of Registration: QC Citation Issued: N
Num of Occupants: 2 Driver's Age: 47 Sex: M
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :3 CAR/VAN/PICKUP State of Registration: QC Citation Issued: N
Num of Occupants: 1 Driver's Age: 29 Sex: F
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: 254 17011000 Street: AVIATION RD
6 Meters West of Ramp
7/25/2013 Thu 16:41 PM Persons Killed: 0 Persons Injured: 0
Accident Class: PROPERTY DAMAGE Police Agency: WARREN CO SHERIFF DEPT
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: LEFT TURN (AGAINST OTHER CAR)
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Veh :2
CAR/VAN/PICKUP Registered Weight: 4358
Num of Occupants: 2 Driver's Age: 31
Direction of Travel: WEST Public Property Damage: OTHER
Pre-Accd Action: MAKING LEFT TURN
Apparent Factors: FAILURE TO YIELD RIGHT OF WAY, NOT APPLICABLE
Veh :1
CAR/VAN/PICKUP Registered Weight: 5646
Num of Occupants: 3 Driver's Age: 66
Direction of Travel: WEST Public Property Damage: OTHER
Pre-Accd Action: OVERTAKING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: 254 17011000 Street: AVIATION RD
6 Meters West of Ramp
8/25/2013 Thu 18:08 PM Persons Killed: 0 Persons Injured: 0
Accident Class: PROPERTY DAMAGE Police Agency: WARREN CO SHERIFF DEPT
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Veh :2
CAR/VAN/PICKUP Registered Weight: 2830
Num of Occupants: 4 Driver's Age: 31
Direction of Travel: WEST Public Property Damage: OTHER
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Veh :1
CAR/VAN/PICKUP Registered Weight: 4982
Num of Occupants: 1 Driver's Age: 40
Direction of Travel: WEST Public Property Damage: OTHER
Pre-Accd Action: STARTING IN TRAFFIC
Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY

County: Warren Muni: Queensbury(T) Ref: Marker: 254 17011000 Street: [Route] 254
9/5/2013 Thu 12:37 PM Persons Killed: 0 Persons Injured: 0
Accident Class: PROPERTY DAMAGE Police Agency: WARREN CO SHERIFF DEPT
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Case: 2013-34866818
Extent of Injuries:
Traffic Control: TRAFFIC SIGNAL
Weather: CLEAR
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Sex: F
Citation Issued: Y
School Bus Involved: OTHER
Num of Veh: 2
Traffic Control: NONE

Coverage Area: Warren 2 Meters West of Ramp 9/18/2013	Muni: Queensbury(T) Ref. Marker: 254 17011000 Street: AVIATION RD	Persons Killed: 0 Persons Injured: 0 Police Agency: NYSP QUEENSBURY	Extent of Injuries: Traffic Control: TRAFFIC SIGNAL Weather: CLOUDY	Case: 2013-005212 Num of Veh: 2
Accident Class: NON-REPORTABLE Type Of Accident: COLLISION WITH MOTOR VEHICLE Manner of Collision: REAR END Road Surface Condition: DRY Loc. of Ped/Bicycle: NOT APPLICABLE	Property Damage Road Char.: STRAIGHT AND LEVEL Action of Ped/Bicyclist: NOT APPLICABLE	Roadway Width: 27.52 Registered Weight: 3703 Driver's Age: 24 Public Property Damage: OTHER	Traffic Control: TRAFFIC SIGNAL Light Condition: DAWN	
Veh :2 CAR/VAN/PICKUP Num of Occupants: 1 Direction of Travel: NORTH Pre-Accd Action: STOPPED IN TRAFFIC Apparent Factors: NOT APPROPRIATE, NOT APPLICABLE	State of Registration: NY Sex: F Citation Issued: N School Bus Involved: OTHER			
Veh :1 CAR/MINIVAN/PICKUP Num of Occupants: 1 Direction of Travel: NORTH Pre-Accd Action: SLOWED OR STOPPING Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE	State of Registration: NY Sex: M Citation Issued: N School Bus Involved: OTHER			
Coverage Area: Warren 6 Meters East of Ramp 10/16/2013	Muni: Queensbury(T) Ref. Marker: 254 17011000 Street: AVIATION RD	Persons Killed: 0 Persons Injured: 0 Police Agency: WARREN COUNTY	Extent of Injuries: Traffic Control: TRAFFIC SIGNAL Weather: CLOUDY	Case: 2013-005318 Num of Veh: 1
Accident Class: NON-REPORTABLE Type Of Accident: COLLISION WITH MOTOR VEHICLE Manner of Collision: LEFT TURN (AGAINST TRAFFIC) Road Surface Condition: WET Loc. of Ped/Bicycle: NOT APPLICABLE	Roadway Width: 27.52 Registered Weight: 3703 Driver's Age: 24 Public Property Damage: OTHER	Traffic Control: TRAFFIC SIGNAL Light Condition: DARK-ROAD LIGHTED		

Veh :1 CAR/VAN/PICKUP Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
Num of Occupants: 1
Direction of Travel: SOUTH
Pre-Accd Action: MAKING LEFT TURN
Apparent Factors: PASSING OR LANE USAGE IMPROPERLY, EXCESSIVE SPEED MATTER
Registered Weight: 7100
Driver's Age: 71
Sex: M
State of Registration: NY
Citation Issued: NONE
Public Property Damage: OTHER
School Bus Involved: OTHER

Veh :2 CAR/VAN/PICKUP Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
Num of Occupants: 2
Direction of Travel: SOUTH
Pre-Accd Action: MAKING LEFT TURN
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Registered Weight: 3600
Driver's Age: 36
Sex: F
State of Registration: NY
Citation Issued: N
Public Property Damage: OTHER
School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
11/4/2013 17:08:09 AM
Accident Class: NON-REPORTABLE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Weather: CLEAR
Light Condition: DAYLIGHT
Case: 2013-3490105
Num of Veh: 2

Veh :1 CAR/VAN/PICKUP Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
Num of Occupants: 1
Direction of Travel: WEST
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Registered Weight: 3700
Driver's Age: 37
Sex: F
State of Registration: NY
Citation Issued: N
Public Property Damage: OTHER
School Bus Involved: OTHER

Veh :2 CAR/VAN/PICKUP Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
Num of Occupants: 3
Direction of Travel: WEST
Pre-Accd Action: MERGING
Registered Weight: 7100
Driver's Age: 37
Sex: M
State of Registration: NY
Citation Issued: N
Public Property Damage: OTHER
School Bus Involved: OTHER

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
12/13/2013 Fri 08:00 AM
Accident Class: PROPERTY DAMAGE AND INJURY
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Weather: CLEAR
Light Condition: DAYLIGHT
Case: 2013-35045790
Num of Veh: 2

Veh :1 CAR/VAN/PICKUP Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
Num of Occupants: 1
Direction of Travel: EAST
Pre-Accd Action: MERGING
Registered Weight: 3600
Driver's Age: 18
Sex: F
State of Registration: NY
Citation Issued: Y
Public Property Damage: OTHER
School Bus Involved: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD

Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY

Veh :2
County: Warren Mun: Queensbury(T) Ref. Marker: Street: AVIATION RD
30 Meters East of Unnamed Street
12/16/2013 Mon 15:31 PM
Accident Class: NON-REPORTABLE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: WET
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 3545
Driver's Age: 47
State of Registration: NY
Sex: F
Citation Issued: N
Public Property Damage: OTHER
Direction of Travel: EAST
Pre-Accd Action: STOPPED IN TRAFFIC

Persons Killed: 0
Persons Injured: 0
Police Agency: NYSP QUEENSBURY
Extent of Injuries:
Traffic Control: NO PASSING ZONE
Weather: CLOUDY
Light Condition: DAYLIGHT
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Case: 2013-35047641
Num of Veh: 2

Veh :2
CAR/VAN/PICKUP
Num of Occupants: 1
Direction of Travel: EAST
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Registered Weight:
Driver's Age: 67
State of Registration: NY
Sex: F
Citation Issued: N
Public Property Damage: OTHER
School Bus Involved: OTHER

Veh :1
CAR/VAN/PICKUP
Num of Occupants: 3
Direction of Travel: EAST
Pre-Accd Action: STARTING IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Registered Weight:
Driver's Age: 50
State of Registration: NY
Sex: M
Citation Issued: Y
Public Property Damage: OTHER
School Bus Involved: OTHER

Warren
AT INTERSE
12/21/2013 Sat 17:00 PM
Accident Class: PRECEDING DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: WET
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 3078
Driver's Age: 26
State of Registration: NY
Sex: M
Citation Issued: Y
Public Property Damage: OTHER
Direction of Travel: WEST
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY
CAR/VAN/PICKUP
Registered Weight: 4982
State of Registration: NY

Veh :1
CAR/VAN/PICKUP
Num of Occupants: 1
Direction of Travel: WEST
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY
CAR/VAN/PICKUP
Registered Weight: 4982
State of Registration: NY

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
15 Meters West of Prospect Dr
12/26/2013 Thu 10:36 AM Persons Killed: 0
Accident Class: NON-REPORTABLE
Type Of Accident: COLLISION WITH SNOW EMBANKMENT
Manner of Collision: OTHER
Road Surface Condition: SNOW/ICE
Loc. of Ped/Bicycle: NOT APPLICABLE
Veh :1 CAR/VAN/PICKUP Registered Weight:
Num of Occupants: 1 Driver's Age: 16
Direction of Travel: EAST
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: PAVEMENT SLIPPERY, DRIVER INEXPERIENCE
Persons Injured: 0
Police Agency: NYS SP QUEENSBURY
Extent of Injuries:
Traffic Control: NO PASSING ZONE
Weather: SNOW
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Sex: M Citation Issued: N
School Bus Involved: OTHER
Case: **2013-35071097** Num of Veh: 1

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
1 Meters West of Unnamed Street
1/21/2014 Tue 08:10 AM Persons Killed: 0
Accident Class: NON-REPORTABLE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Veh :2 CAR/VAN/PICKUP Registered Weight:
Num of Occupants: 1 Driver's Age: 18
Direction of Travel: WEST
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Persons Injured: 0
Police Agency: NYS SP QUEENSBURY
Extent of Injuries:
Traffic Control: TRAFFIC SIGNAL
Weather: CLEAR
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Sex: F Citation Issued: N
School Bus Involved: OTHER
Case: **2014-35106580** Num of Veh: 2

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
1 Meters West of Unnamed Street
1/28/2014 Tue 12:05 PM Persons Killed: 0
Accident Class: NON-REPORTABLE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Veh :1 CAR/VAN/PICKUP Registered Weight:
Num of Occupants: 1 Driver's Age: 32
Direction of Travel: WEST
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Persons Injured: 0
Police Agency: NYS SP QUEENSBURY
Extent of Injuries:
Traffic Control: TRAFFIC SIGNAL
Weather: CLEAR
State of Registration: NY
Sex: F Citation Issued: Y
School Bus Involved: OTHER
Case: **2014-35117711** Num of Veh: 2

Road Surface Condition: DRY
 Loc. of Ped/Bicycle: NOT APPLICABLE
 Road Char.: STRAIGHT AND LEVEL
 Action of Ped/Bicycle: NOT APPLICABLE
 Light Condition: DAYLIGHT

Veh :1
 CAR/VAN/PICKUP
 Num of Occupants: 1
 Direction of Travel: EAST
 Registered Weight:
 Driver's Age: 41
 Sex: F
 State of Registration: NY
 Citation Issued: Y
 School Bus Involved: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD
 Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

Veh :2
 CAR/VAN/PICKUP
 Num of Occupants: 1
 Direction of Travel: EAST
 Registered Weight:
 Driver's Age: 65
 Sex: F
 State of Registration: NY
 Citation Issued: N
 School Bus Involved: OTHER

Pre-Accd Action: STOPPED IN TRAFFIC

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
 AT INTERSECTION WITH MIDNIGHT DR

Tue 14:18 PM
 Accident Class: PROPERTY DAMAGE AND INJURY
 Type Of Accident: COLLISION WITH MOTOR VEHICLE
 Manner of Collision: OTHER
 Road Surface Condition: WET
 Loc. of Ped/Bicycle: NOT APPLICABLE
 Police Agency: WARREN CO SHERIFF DEPT
 Extent of Injuries: CC
 Case: 2014-35126156
 Num of Veh: 3

Persons Killed: 0
 Persons Injured: 2
 Weather: CLEAR
 Traffic Control: NONE
 Road Char.: STRAIGHT AND LEVEL
 Action of Ped/Bicycle: NOT APPLICABLE
 Light Condition: DAYLIGHT

Veh :3
 CAR/VAN/PICKUP
 Num of Occupants: 1
 Direction of Travel: WEST
 Registered Weight: 2403
 Driver's Age: 52
 Sex: M
 State of Registration: NY
 Citation Issued: N
 School Bus Involved: OTHER

Pre-Accd Action: SLOWED OR STOPPING
 Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1
 CAR/VAN/PICKUP
 Num of Occupants: 1
 Direction of Travel: WEST
 Registered Weight: 2396
 Driver's Age: 18
 Sex: M
 State of Registration: NY
 Citation Issued: Y
 School Bus Involved: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD
 Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY

Veh :2
 CAR/VAN/PICKUP
 Num of Occupants: 2
 Direction of Travel: WEST
 Registered Weight: 2917
 Driver's Age: 31
 Sex: F
 State of Registration: NY
 Citation Issued: N
 School Bus Involved: OTHER

Pre-Accd Action: SLOWED OR STOPPING
 Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
 AT INTERSECTION WITH TOPIC DR

Mon 08:10 AM
 Case: 2014-35131817

Persons Killed: 0

Persons Injured: 0

Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION
Manner of Collision: OTHER
Road Surface Condition: SLUSH
Loc. of Ped/Bicycle: NOT APPLICABLE
Police Agency: NYSP GRANVILLE
Traffic Control: NO PASSING ZONE
Weather: CLEAR
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
Num of Veh: 1

Veh :1
CAR/VAN/PICKUP
Registered Weight: 3091
Driver's Age: 30
Persons Injured: 0
Police Agency: WILTON SP
Extent of Injuries: NONE
Traffic Control: NONE
Weather: CLOUDY
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Citation Issued: Y
School Bus Involved: OTHER

Public Property Damage: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD

Apparent Factors: PAVEMENT SLIPPERY, UNSAFE SPEED

Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
Collision With John Burke Apts
AT INTERSECTION
3/21/2014

Persons Killed: 0
Accident Class: NON-REPORTABLE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Police Agency: WILTON SP
Extent of Injuries: NONE
Traffic Control: NONE
Weather: CLOUDY
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Citation Issued: N
School Bus Involved: OTHER

Veh :2
CAR/VAN/PICKUP
Registered Weight: 3091
Driver's Age: 30
Persons Injured: 0
Police Agency: WILTON SP
Extent of Injuries: NONE
Traffic Control: NONE
Weather: CLOUDY
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Citation Issued: N
School Bus Involved: OTHER

Public Property Damage: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1
CAR/VAN/PICKUP
Registered Weight: 3091
Driver's Age: 16
Persons Injured: 0
Police Agency: WILTON SP
Extent of Injuries: NONE
Traffic Control: NONE
Weather: CLOUDY
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Citation Issued: N
School Bus Involved: OTHER

Public Property Damage: OTHER

Pre-Accd Action: BACKING

Apparent Factors: NOT APPLICABLE, BACKING UNSAFELY

Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
Collision With John Burke Apts
AT INTERSECTION
3/21/2014

Persons Killed: 0
Accident Class: PROPERTY DAMAGE AND INJURY
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Police Agency: NYSP LOUDONVILLE
Traffic Control: TRAFFIC SIGNAL
Weather: CLOUDY
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Citation Issued: N
School Bus Involved: OTHER

Public Property Damage: OTHER

Pre-Accd Action: STOPPED IN TRAFFIC

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :2
BUS
Registered Weight: 20
Driver's Age: 57
Persons Injured: 0
Police Agency: WILTON SP
Extent of Injuries: NONE
Traffic Control: NONE
Weather: CLOUDY
Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE
State of Registration: NY
Citation Issued: N
School Bus Involved: OTHER

Public Property Damage: OTHER

Pre-Accd Action: STOPPED IN TRAFFIC

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

~~Veh :1
County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
42 Meters East of Prospect Dr
4/22/2014
Registered Weight: 4356
Num of Occupants: 1
Direction of Travel: EAST
Pre-Accd Action: GOING STRAIGHT AND LEVEL
Apparent Factors: DRIVER INATTENTION, NOT APPLICABLE~~

~~County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
42 Meters East of Prospect Dr
4/22/2014
Registered Weight: 4356
Num of Occupants: 1
Direction of Travel: EAST
Pre-Accd Action: GOING STRAIGHT AND LEVEL
Apparent Factors: DRIVER INATTENTION, NOT APPLICABLE~~

~~Veh :1
County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
42 Meters East of Prospect Dr
4/22/2014
Registered Weight: 4356
Num of Occupants: 1
Direction of Travel: EAST
Pre-Accd Action: GOING STRAIGHT AND LEVEL
Apparent Factors: DRIVER INATTENTION, NOT APPLICABLE~~

~~Veh :2
County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
33 Meters West of Prospect Dr
5/2/2014
Registered Weight: 2385
Num of Occupants: 0
Direction of Travel: UNKNOWN
Pre-Accd Action: PARKED
Apparent Factors: NOT ENTERED, NOT ENTERED~~

~~Veh :1
County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
42 Meters East of Prospect Dr
4/22/2014
Registered Weight: 4356
Num of Occupants: 1
Direction of Travel: EAST
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT ENTERED, FOLLOWING TOO CLOSELY~~

~~Veh :2
County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
33 Meters West of Prospect Dr
5/2/2014
Registered Weight: 2385
Num of Occupants: 0
Direction of Travel: UNKNOWN
Pre-Accd Action: PARKED
Apparent Factors: NOT ENTERED, NOT ENTERED~~

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
 AT INTERSECTION WITH BURKE DR
 5/20/2014
 Tue 17:35 PM
 Accident Class: NON-REPORTABLE
 Type Of Accident: COLLISION WITH MOTOR VEHICLE
 Manner of Collision: REAR END
 Road Surface Condition: DRY
 Loc. of Ped/Bicycle: NOT APPLICABLE
 Persons Injured: 0
 Police Agency: WARREN CO SHERIFF DEPT
 Extent of Injuries:
 Case: 2014-35268445
 Num of Veh: 2
 Traffic Control: NONE
 Weather: CLEAR
 Light Condition: DAYLIGHT
 Action of Ped/Bicycle: NOT APPLICABLE
 Road Char.: STRAIGHT AND LEVEL

Veh :1
 CAR/VAN/PICKUP
 Registered Weight:
 Driver's Age: 37
 Sex: F
 Citation Issued: Y
 State of Registration: NY
 School Bus Involved: OTHER
 Public Property Damage: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD

Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

Veh :2
 CAR/VAN/PICKUP
 Registered Weight:
 Driver's Age: 44
 Sex: M
 Citation Issued: N
 State of Registration: NY
 School Bus Involved: OTHER
 Public Property Damage: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD

County: Warren Muni: Queensbury(T) Ref. Marker: 254 1701 1000 Street: AVIATION RD
 AT INTERSECTION WITH Ramp
 4/30/2014
 Wed 12:08 PM
 Accident Class: NON-REPORTABLE
 Type Of Accident: COLLISION WITH MOTOR VEHICLE
 Manner of Collision: REAR END
 Road Surface Condition: WET
 Loc. of Ped/Bicycle: NOT APPLICABLE
 Persons Injured: 0
 Police Agency: WARREN CO SHERIFF DEPT
 Extent of Injuries:
 Case: 2014-35268445
 Num of Veh: 2
 Traffic Control: TRAFFIC SIGNAL
 Weather: RAIN
 Light Condition: DAYLIGHT
 Action of Ped/Bicycle: NOT APPLICABLE
 Road Char.: STRAIGHT/ GRADE

Veh :1
 CAR/VAN/PICKUP
 Registered Weight:
 Driver's Age: 36
 Sex: M
 Citation Issued: N
 State of Registration: NY
 School Bus Involved: OTHER
 Public Property Damage: OTHER

Pre-Accd Action: MAKING LEFT TURN

Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

Veh :2
 CAR/VAN/PICKUP
 Registered Weight:
 Driver's Age: 64
 Sex: U
 Citation Issued: N
 State of Registration: OT
 School Bus Involved: OTHER
 Public Property Damage: OTHER

Pre-Accd Action: MAKING LEFT TURN

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: AVIATION RD
30 Meters BURKE DR
6/20/2014 12:41 AM Persons Killed: 0 Persons Injured: 0
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Veh :2
CAR/VAN/PICKUP
Num of Occupants: 1
Direction of Travel: EAST
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE
Veh :1
CAR/VAN/PICKUP
Num of Occupants: 1
Direction of Travel: EAST
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: BURKE DR
AT INTERSECTION WITH AVIATION RD
6/15/2014 Sun 17:00 PM Persons Killed: 0 Persons Injured: 0
Accident Class: NON-REPORTABLE
Type Of Accident: COLLISION WITH BICYCLIST
Manner of Collision: OTHER
Road Surface Condition: DRY
Loc. of Ped/Bicycle: PED/BICYCLIST NOT AT INTERSECTION
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: CROSSING/ NO SIGNAL/ MARKED CROSSWA
Veh :1
CAR/VAN/PICKUP
Num of Occupants: 1
Direction of Travel: NORTH
Pre-Accd Action: MAKING RIGHT TURN
Apparent Factors: DRIVER INATTENTION, NOT APPLICABLE
Veh :2
BICYCLE
Num of Occupants: 1
Direction of Travel: WEST
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

AT INTERSECTION WITH BURKE DR
7/10/2014 Thu 12:07 PM Persons Killed: 0 Persons Injured: 1
Accident Class: PROPERTY DAMAGE AND INJURY
Police Agency: WARREN CO SHERIFF DEPT
Case: 2014-35325642
Num of Veh: 2

Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Traffic Control: STOP SIGN
Weather: CLEAR
Light Condition: DAYLIGHT

Veh :2
CAR/VAN/PICKUP
Num of Occupants: 2
Direction of Travel: NORTH
Pre-Accd Action: MAKING LEFT TURN
Apparent Factors: FAILURE TO YIELD RIGHT OF WAY, NOT APPLICABLE

Registered Weight: 4217
Driver's Age: 36
Public Property Damage: OTHER

State of Registration: NY
Sex: F
Citation Issued: Y
School Bus Involved: OTHER

State of Registration: NY
Sex: F
Citation Issued: N
School Bus Involved: OTHER

Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

41 Meters West of Burke Dr
8/12/2014
Tue 14:21 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Traffic Control: TRAFFIC SIGNAL
Weather: CLOUDY
Light Condition: DAYLIGHT

Veh :2
CAR/VAN/PICKUP
Num of Occupants: 1
Direction of Travel: WEST
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: DRIVER INATTENTION, FOLLOWING TOO CLOSELY

Registered Weight: 3085
Driver's Age: 17
Public Property Damage: OTHER

State of Registration: NY
Sex: M
Citation Issued: Y
School Bus Involved: OTHER

State of Registration: NY
Sex: M
Citation Issued: N
School Bus Involved: OTHER

Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren
Muni: Queensbury(T)
Ref: Marker:
Street: AVIATION RD
AT INTERSECTION OF
8/26/2014
Tue 18:09 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: OVERTAKING
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Traffic Control: TRAFFIC SIGNAL
Weather: CLEAR
Light Condition: DAYLIGHT

Persons Injured: 0
Police Agency: NYSP QUEENSBURY
Extent of Injuries: NOT APPLICABLE
Case: 2014-35368243
Num of Veh: 2

Persons Injured: 0
Police Agency: NYSP QUEENSBURY
Extent of Injuries: NOT APPLICABLE
Case: 2014-35383837
Num of Veh: 2

~~Veh :1
County: Warren
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE~~

~~Veh :2
County: Warren
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE~~

~~Veh :1
County: Warren
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE~~

~~Veh :2
County: Warren
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE~~

County: Warren
9/4/2014
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE

Veh :1
County: Warren
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE

Veh :2
County: Warren
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE

County: Warren
9/8/2014
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE

Veh :1
County: Warren
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE

Veh :2
County: Warren
Mun: Queensbury(T) Ref: Marker: 254 I7011000 Street: AVIATION RD
Thu 18:42 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Registered Weight: 4182
Driver's Age: 56
Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 3 Driver's Age: 28 Sex: M Citation Issued: Y
Direction of Travel: SOUTH Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
11 Meters West of Unnamed Street
9/20/2014 Sat 1:54:2 PM Persons Killed: 0 Persons Injured: 2 Case: 2014-35406213 Num of Veh: 2
Accident Class: PROPERTY DAMAGE AND INJURY Police Agency: WARREN CO SHERIFF DEPT Traffic Control: NONE
Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLOUDY
Manner of Collision: REAR END Light Condition: DAYLIGHT
Road Surface Condition: DRY Action of Ped/Bicycle: NOT APPLICABLE
Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT/ GRADE

Veh :2 CAR/VAN/PICKUP Registered Weight: 6000 State of Registration: NY
Num of Occupants: 2 Driver's Age: 57 Sex: M Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 3640 State of Registration: NY
Num of Occupants: 1 Driver's Age: 62 Sex: M Citation Issued: Y
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: STARTING IN TRAFFIC
Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
AT INTERSECTION WITH Ramp
10/24/2014 Sat 11:52 PM Persons Killed: 0 Persons Injured: 0 Case: 2014-35406213 Num of Veh: 2
Accident Class: PROPERTY DAMAGE Police Agency: NYSP CHESTERTOWN Traffic Control: NONE
Type Of Accident: COLLISION WITH MOTOR VEHICLE Weather: CLOUDY
Manner of Collision: OVERPASS Light Condition: DARK-ROAD LIGHTED
Road Surface Condition: DRY Action of Ped/Bicycle: NOT APPLICABLE
Loc. of Ped/Bicycle: NOT APPLICABLE Road Char.: STRAIGHT AND LEVEL

Veh :2 CAR/VAN/PICKUP Registered Weight: 3105 State of Registration: NY
Num of Occupants: 2 Driver's Age: 17 Sex: F Citation Issued: N
Direction of Travel: NORTH Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: OTHER
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 3105 State of Registration: NY
Num of Occupants: 4 Driver's Age: 22 Sex: F Citation Issued: Y

County: Warren Muni: Queensbury(T) Ref: Marker: 254 1701 1000 Street: AVIATION RD
63 Meters West of Ramp
1/5/2015 Mon 10:52 AM Persons Killed: 0 Persons Injured: 0
Accident Class: PROPERTY DAMAGE Police Agency: WARREN CO SHERIFF DEPT
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: OTHER
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Veh :2 CAR/VAN/PICKUP Registered Weight: 3812
Num of Occupants: 2 Driver's Age: 61
Direction of Travel: EAST
Public Property Damage: OTHER
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
Veh :1 CAR/VAN/PICKUP Registered Weight: 3532
Num of Occupants: 1 Driver's Age: 24
Direction of Travel: EAST
Public Property Damage: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY
Veh :3 CAR/VAN/PICKUP Registered Weight: 3456
Num of Occupants: 1 Driver's Age: 34
Direction of Travel: EAST
Public Property Damage: OTHER
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref: Marker: Street: BURKE DR
AT INTERSECTION WITH Aviation Rd
1/21/2015 Wed 07:15 AM Persons Killed: 0 Persons Injured: 1
Accident Class: INJURY Police Agency: NYSP QUEENSBURY
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Veh :2 CAR/VAN/PICKUP Registered Weight: 3415
Num of Occupants: 1 Driver's Age: 22
Direction of Travel: NORTH
Public Property Damage: OTHER
Pre-Accd Action: STARTING IN TRAFFIC
Apparent Factors: FOLLOWING TOO CLOSELY, DRIVER INATTENTION

Extent of Injuries: C
Traffic Control: STOP SIGN
Weather: CLEAR
Light Condition: DAYLIGHT
Case: 2015-35564410
Num of Veh: 2
State of Registration: NY
Citation Issued: Y
School Bus Involved: OTHER

Veh :1 CAR/VAN/PICKUP Registered Weight: 3349 State of Registration: NY
Num of Occupants: 1 Driver's Age: 29 Sex: F Citation Issued: N
Direction of Travel: NORTH Public Property Damage: OTHER
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
AT INTERSECTION WITH Ramp
1/16/2015 Fri 09:38 AM Persons Killed: 0 Persons Injured: 0 Police Agency: NYSP LOUDONVILLE
Accident Class: NON-REPORTABLE Extent of Injuries:
Type Of Accident: COLLISION WITH MOTOR VEHICLE Traffic Control: TRAFFIC CONTROL
Manner of Collision: FRONT TURN (AGAINST OTHER CAR) Weather: CLOUDY
Road Surface Condition: WET Light Condition: DAYLIGHT
Loc. of Ped/Bicycle: NOT APPLICABLE Action of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 3000 State of Registration: NY
Num of Occupants: 1 Driver's Age: 20 Sex: M Citation Issued: N
Direction of Travel: SOUTH-WEST Public Property Damage: OTHER
Pre-Accd Action: MAKING LEFT TURN
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 6100 State of Registration: NY
Num of Occupants: 3 Driver's Age: 61 Sex: M Citation Issued: N
Direction of Travel: SOUTH-EAST Public Property Damage: OTHER
Pre-Accd Action: MAKING RIGHT TURN
Apparent Factors: NOT APPLICABLE, FAILURE TO YIELD RIGHT OF WAY

County: Warren Muni: Queensbury(T) Ref. Marker: Street: COTTAGE HILL RD
AT INTERSECTION WITH Aviation Rd
2/1/2015 Sun 19:25 PM Persons Killed: 0 Persons Injured: 0 Police Agency: NYSP QUEENSBURY
Accident Class: PROPERTY DAMAGE Extent of Injuries:
Type Of Accident: COLLISION WITH MOTOR VEHICLE Traffic Control: NONE
Manner of Collision: RIGHT ANGLE Weather: CLOUDY
Road Surface Condition: DRY Light Condition: DARK-ROAD UNLIGHTED
Loc. of Ped/Bicycle: NOT APPLICABLE Action of Ped/Bicycle: NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 3049 State of Registration: NY
Num of Occupants: 2 Driver's Age: 20 Sex: M Citation Issued: Y
Direction of Travel: WEST Public Property Damage: OTHER
Pre-Accd Action: BACKING
Apparent Factors: BACKING UNSAFELY, NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 8600 State of Registration: NY
Num of Occupants: 0 Driver's Age: Citation Issued:
Direction of Travel: SOUTH Public Property Damage: OTHER School Bus Involved: OTHER

Pre-Accd Action: PARKED

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD

County: Warren

23 Meters West of Burke Dr

2/8/2015

Sun 08:24 AM

Persons Killed: 0

Persons Injured: 0

Police Agency: WARREN CO SHERIFF DEPT

Extent of Injuries:

Accident Class: NON-REPORTABLE

Type Of Accident: COLL. W/LIGHT SIGNAL

Manner of Collision: OTHER

Road Surface Condition: SNOW/ICE

Loc. of Ped/Bicycle: NOT APPLICABLE

Light Condition: DAYLIGHT

Weather: SNOW

Action of Ped/Bicycle: NOT APPLICABLE

State of Registration: NOT APPLICABLE

Citation Issued: N

School Bus Involved: OTHER

Public Property Damage: OTHER

Driver's Age: 46

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

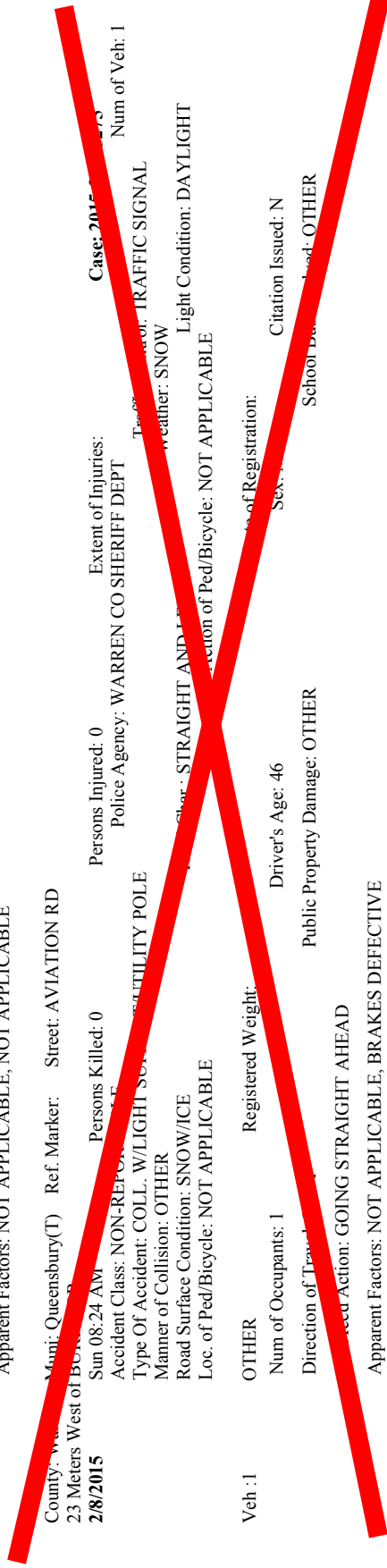
Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639



County: Warren

2/24/2015

Tue 15:46 PM

Persons Killed: 0

Persons Injured: 0

Police Agency: NYSP QUEENSBURY

Extent of Injuries:

Accident Class: NON-REPORTABLE

Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: RIGHT TURN (AGAINST OTHER CAR)

Road Surface Condition: DRY

Loc. of Ped/Bicycle: NOT APPLICABLE

Light Condition: DAYLIGHT

Weather: CLEAR

Action of Ped/Bicycle: NOT APPLICABLE

State of Registration: NY

Citation Issued: Y

School Bus Involved: OTHER

Public Property Damage: OTHER

Driver's Age: 39

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

County: Warren

3/5/2015

Thu 18:40 PM

Persons Killed: 0

Persons Injured: 0

Police Agency: SP HADLEY SATELLITE

Extent of Injuries:

Accident Class: PROPERTY DAMAGE

Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: REAR END

Road Surface Condition: DRY

Loc. of Ped/Bicycle: NOT APPLICABLE

Light Condition: DARK-ROAD LIGHTED

Weather: CLEAR

Action of Ped/Bicycle: NOT APPLICABLE

State of Registration: NY

Case: 2015-35619632

Num of Veh: 2

Traffic Control: STOP SIGN

Weather: CLEAR

Light Condition: DAYLIGHT

Weather: SNOW

Action of Ped/Bicycle: NOT APPLICABLE

State of Registration: NY

Citation Issued: N

School Bus Involved: OTHER

Public Property Damage: OTHER

Driver's Age: 48

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Case: 2015-35652877

Num of Veh: 2

Traffic Control: TRAFFIC SIGNAL

Weather: CLEAR

Light Condition: DARK-ROAD LIGHTED

Weather: CLEAR

Action of Ped/Bicycle: NOT APPLICABLE

State of Registration: NY

Citation Issued: N

School Bus Involved: OTHER

Public Property Damage: OTHER

Driver's Age: 48

Registered Weight: 2639

Registered Vehicle: 2639

Registered Weight: 2639

Registered Vehicle: 2639

Num of Occupants: 1		Driver's Age: 22		Sex: M		Citation Issued: Y	
Direction of Travel: WEST		Public Property Damage: OTHER				School Bus Involved: OTHER	
Pre-Accd Action: GOING STRAIGHT AHEAD							
Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY							
OTHER		Registered Weight:		State of Registration: NY			
Num of Occupants: 1		Driver's Age: 35		Sex: M		Citation Issued: N	
Direction of Travel: WEST		Public Property Damage: OTHER				School Bus Involved: OTHER	
Pre-Accd Action: STOPPED IN TRAFFIC							
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE							

City: Warren Muni: Queensbury(T) Ref. Marker: 254 17011000 Street: AVIATION RD
AT INTERSECTION WITH Ramp
3/20/2015 4:27 PM
Accident Class: PROPERTY DAMAGE
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: OVER TAKING
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Road Char.: STRAIGHT AND LEVEL
Action of Ped/Bicycle: NOT APPLICABLE
Extent of Injuries: Traffic Control: CLEAR
Police Agency: WARREN CO SHERIFF DEPT
Case: 2015-35687059
Num of Veh: 2

Veh :2
CAR/VAN/PICKUP
Registered Weight: 3166
Driver's Age: 79
Sex: F
Citation Issued: N
State of Registration: NY
School Bus Involved: OTHER
Public Property Damage: OTHER
Direction of Travel: WEST
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1
CAR/VAN/PICKUP
Registered Weight: 2800
Driver's Age: 79
Sex: M
Citation Issued: N
State of Registration: NY
School Bus Involved: OTHER
Public Property Damage: OTHER
Direction of Travel: WEST
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, FAILURE TO YIELD RIGHT OF WAY

City: Warren Muni: Queensbury(T) Ref. Marker: 254 17011000 Street: AVIATION RD
AT INTERSECTION WITH Ramp
3/29/2015 Sun 12:33 PM
Accident Class: NON-REPORTED
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: REAR END
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE
Action of Ped/Bicycle: NOT APPLICABLE
Extent of Injuries: Traffic Control: TRAFFIC SIGNAL
Police Agency: NYS SP QUEENSBURY
Case: 2015-35687059
Num of Veh: 2

Veh :1
CAR/VAN/PICKUP
Registered Weight: 52
Driver's Age: 52
Sex: M
Citation Issued: N
State of Registration: NY
School Bus Involved: OTHER
Public Property Damage: OTHER
Direction of Travel: WEST
Pre-Accd Action: STOPPED IN TRAFFIC

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP State of Registration: NY
Num of Occupants: 2 Sex: F Citation Issued: N
Direction of Travel: WEST School Bus Involved: OTHER
Pre-Accd Action: SLOWED OR STOPPING
Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
33 Meters East of Burke Apts
6/1/2015 Mon 12:04 PM Persons Killed: 0
Accident Class: PROPERTY DAMAGE Police Agency: NYSP QUEENSBURY
Type Of Accident: COLLISION WITH MOTOR VEHICLE Extent of Injuries: Case: 2015-35778207
Manner of Collision: REAR END Traffic Control: TRAFFIC SIGNAL Num of Veh: 2
Road Surface Condition: WET Light Condition: DAYLIGHT
Loc. of Ped/Bicycle: NOT APPLICABLE Action of Ped/Bicycle: NOT APPLICABLE

Veh :1 BUS Registered Weight:
Num of Occupants: 2 State of Registration: NY Citation Issued: N
Direction of Travel: WEST Sex: F School Bus Involved: OTHER
Pre-Accd Action: STOPPED IN TRAFFIC
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 4726
Num of Occupants: 1 Driver's Age: 57
Direction of Travel: WEST Sex: F State of Registration: NY Citation Issued: Y
Pre-Accd Action: GOING STRAIGHT AHEAD School Bus Involved: OTHER

Apparent Factors: NOT APPLICABLE, FOLLOWING TOO CLOSELY

County: Warren Muni: Queensbury(T) Ref. Marker: Street: AVIATION RD
AT INTERSECTION WITH Burke Dr
6/15/2015 Mon 16:04 PM Persons Killed: 0
Accident Class: PROPERTY DAMAGE Police Agency: NYSP QUEENSBURY Extent of Injuries: Case: 2015-35778207
Type Of Accident: COLLISION WITH MOTOR VEHICLE Traffic Control: NONE Num of Veh: 2
Manner of Collision: RIGHT ANGLE Weather: RAIN
Road Surface Condition: WET Light Condition: DAYLIGHT
Loc. of Ped/Bicycle: NOT APPLICABLE Action of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 2859
Num of Occupants: 1 Driver's Age: 25
Direction of Travel: EAST Sex: F State of Registration: NY Citation Issued: Y
Pre-Accd Action: OVERTAKING School Bus Involved: OTHER
Apparent Factors: NOT APPLICABLE, PASSING OR LANE USAGE IMPROPERLY

Veh :1 CAR/VAN/PICKUP Registered Weight: 2965
Num of Occupants: 1 Driver's Age: 18
State of Registration: NY Citation Issued: N

School Bus Involved: OTHER

Public Property Damage: OTHER

Direction of Travel: SOUTH

Pre-Accd Action: MAKING LEFT TURN

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: Persons Injured: 0 Extent of Injuries: Case: 2015-35790171
6/29/2015 Mon 14:11 PM Persons Killed: 0 Police Agency: WARREN CO SHERIFF DEPT Traffic Control: NONE
Accident Class: NON-REPORTABLE

Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: REAR END

Road Surface Condition: DRY

Loc. of Ped/Bicycle: NOT APPLICABLE

Road Char.: STRAIGHT AND LEVEL

Action of Ped/Bicycle: NOT APPLICABLE

Weather: CLEAR

Light Condition: DAYLIGHT

Action of Ped/Bicycle: NOT APPLICABLE

Veh :2

CAR/VAN/PICKUP

Registered Weight:

Num of Occupants: 1

Driver's Age: 18

Direction of Travel: SOUTH-EAST

Public Property Damage: OTHER

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1

CAR/VAN/PICKUP

Registered Weight:

Num of Occupants: 1

Driver's Age: 49

Direction of Travel: SOUTH-EAST

Public Property Damage: OTHER

Pre-Accd Action: BACKING

Apparent Factors: NOT APPLICABLE, DRIVER INATTENTION

County: Warren Muni: Queensbury(T) Ref. Marker: 254 17011000 Street: AVIATION RD
65 West of Ramp East of Ramp
8/31/2015 Mon 13:02 PM Persons Injured: 0 Extent of Injuries: Case: 2015-35790171
Accident Class: PROPERTY DAMAGE Police Agency: WARREN CO SHERIFF DEPT Traffic Control: NONE
Type Of Accident: COLLISION WITH MOTOR VEHICLE

Manner of Collision: REAR END

Road Surface Condition: DRY

Loc. of Ped/Bicycle: NOT APPLICABLE

Road Char.: STRAIGHT AND LEVEL

Action of Ped/Bicycle: NOT APPLICABLE

Weather: CLEAR

Light Condition: DAYLIGHT

Veh :1

CAR/VAN/PICKUP

Registered Weight: 3555

Num of Occupants: 3

Driver's Age: 31

Direction of Travel: EAST

Public Property Damage: OTHER

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: NOT APPLICABLE, FORGETTING TOO CLOSELY

Veh :2

CAR/VAN/PICKUP

Registered Weight: 3475

Num of Occupants: 2

Driver's Age: 56

Direction of Travel: EAST

Public Property Damage: OTHER

Pre-Accd Action: SLOWED OR STOPPING

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: Street: 10/5/2015 14:30 PM Persons Killed: 0 Persons Injured: 0 Case: 2015-35977042 Num of Veh: 2

Accident Class: NON-REPORTABLE Police Agency: WARREN CO SHERIFF DEPT Traffic Control: STOP SIGN
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: RIGHT ANGLE
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE Light Condition: DAYLIGHT
Road Char.: STRAIGHT AND LEVEL Action of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 2 Driver's Age: 17 Sex: M Citation Issued: N
Direction of Travel: SOUTH Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: MAKING LEFT TURN

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: State of Registration: NY
Num of Occupants: 1 Driver's Age: 17 Sex: M Citation Issued: N
Direction of Travel: SOUTH Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: MAKING LEFT TURN

Apparent Factors: FOLLOWING TOO CLOSELY, NOT APPLICABLE

County: Warren Muni: Queensbury(T) Ref. Marker: 254 17011000 Street: AVIATION RD 10/22/2015 Thu 10:49 AM Persons Killed: 0 Persons Injured: 1 Case: 2015-35977042 Num of Veh: 2

Accident Class: PROPERTY DAMAGE AND INJURY Police Agency: WARREN CO SHERIFF DEPT Traffic Control: TRAFFIC SIGNAL
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner of Collision: LEFT TURN (AGAINST OTHER CAR)
Road Surface Condition: DRY
Loc. of Ped/Bicycle: NOT APPLICABLE Weather: CLEAR
Road Char.: STRAIGHT AND LEVEL Light Condition: DAYLIGHT
Action of Ped/Bicycle: NOT APPLICABLE

Veh :2 CAR/VAN/PICKUP Registered Weight: 4462 State of Registration: NY
Num of Occupants: 1 Driver's Age: 48 Sex: F Citation Issued: N
Direction of Travel: EAST Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: GOING STRAIGHT / AHEAD

Apparent Factors: NOT APPLICABLE, NOT APPLICABLE

Veh :1 CAR/VAN/PICKUP Registered Weight: 3164 State of Registration: NY
Num of Occupants: 2 Driver's Age: 30 Sex: M Citation Issued: Y
Direction of Travel: SOUTH Public Property Damage: OTHER School Bus Involved: OTHER
Pre-Accd Action: MAKING LEFT TURN

Apparent Factors: NOT APPLICABLE, TRAFFIC CONTROL DEVICES DISREGARDED

County: Warren Muni: Queensbury(T) Ref. Marker: 254 17011000 Street: AVIATION RD 11/22/2015 Sun 13:11 PM Persons Killed: 0 Persons Injured: 1 Case: 2015-35977042 Num of Veh: 2

Accident Class: NON-REPORTABLE Police Agency: NYS P QUEENSBURY Traffic Control: TRAFFIC SIGNAL
Type Of Accident: COLLISION WITH MOTOR VEHICLE

12/28/2015 **AT INTERSECTION OF** **Muni: Queensbury(T)** **Ref. Marker: 254 17011000** **Street: AVIATION RD**
Mon 17:15 PM **Persons Killed: 0** **Persons Injured: 1**
Accident Class: PROPERTY DAMAGE ONLY
Type Of Accident: COLLISION WITH MOTOR VEHICLE
Manner Of Collision: LEFT TURN (AGAINST OTHER CAR)
Road Surface Condition: DRY **Road Char.: STRAIGHT**
Loc. of Ped/Bicycle: NOT APPLICABLE **Light Condition: DARK-ROAD LIGHTED**
Weather: CLEAR
Traffic Control: TRAFFIC SIGNAL
Police Agency: SAS
Extent of Injuries: C
Num of Veh: 2
Case: 2015-36048399

Veh :2
Type: SEDAN/PICKUP
Registered Weight: 3540
Sex: F
State of Registration: NY
Num of Occupants: 1
Driver's Age: 37
Citation Issued: N
Direction of Travel: WEST
Public Property Damage: OTHER
Schools Involved: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: NOT APPLICABLE, NOT APPLICABLE
OTHER
Registered Weight:
Num of Occupants: 1
Driver's Age: 40
Citation Issued: N
Direction of Travel: EAST
Public Property Damage: OTHER
Schools Involved: OTHER
Pre-Accd Action: GOING STRAIGHT AHEAD
Apparent Factors: TURNING IMPROPER, FAILURE TO YIELD RIGHT OF WAY

APPENDIX G

PROJECT COORDINATION MEETINGS AND PRESENTATION

KICK-OFF MEETING MINUTES
AVIATION ROAD / QUFSD ACCESS OPERATIONS ANALYSIS
WEDNESDAY, MAY 11TH, 2016, 11 AM



1. Introductions: Please refer to the attached sign in sheet for contact information.
2. Town and QUFSD Objectives:
 - a) Review proposed school district plans and alternatives:
 - o QUFSD is currently preparing to implement the next phase of their master plan. The majority of the upcoming capital project includes building improvements to the high school.
 - o Currently the proposed capital project does not include reconstruction of Aviation Road access point or parking lots within the campus.
 - o Prior to initiating site design, QUFSD would like input from the analysis and to review the results of this study.
 - o QUFSD discussed site plan and access point ideas that have been conceptualized but no plans have progressed at this point:
 - i. Use of Manor Drive as a point of ingress/egress to the campus or high school parking lot. This might not be an ideal situation for neighbors.
 - ii. Reconstructing the high school front parking lot into 2 separate lots, to designate east and west sides.
 - iii. There is the potential to “T” future access points with the side streets on the south side of Aviation Road.
 - iv. When reconstructing the front high school parking lot, it would be ideal to reduce pedestrian/vehicle conflicts by relocating the vehicular circulation from the front of the building.
 - b) Verify existing access patterns for all modes of travel
 - o Using the aerial map provided by QUFSD, the group reviewed the existing vehicular and pedestrian patterns of the study area.
 - o Two crossing guard locations on Aviation Road
 - o Discussed the circulation of the high school parking lot and use of their access points
 - o There seems to be light use of the roads circulating the tennis courts. QUFSD suggested that this operation be evaluated.
 - o Right out only exit near Cottage Hill Rd. is utilized by people traveling west out of campus
 - o The middle school entrance/exit to the campus access road is sometimes the cause of congestion and could be attributed to the proximity to access to Aviation Road. QUFSD and the Town suggested this operation be evaluated.
 - c) Other projects or improvements in the study area
 - o No other development or traffic generator projects were discussed or known at the time of the meeting.
3. Confirm Project Study Area:
 - a) Aviation Road between Manor Drive and Burke Drive
 - o QUFSD Approaches and internal connectors
 - i. Middle School entrance/exit point at access drive
 - ii. Circulation around tennis courts
 - iii. 3 access points at the high school parking lot
 - o Manor and Midnight Drive

KICK-OFF MEETING MINUTES
AVIATION ROAD / QUFSD ACCESS OPERATIONS ANALYSIS
WEDNESDAY, MAY 11TH, 2016, 11 AM



- o Prospect Drive
- o Cottage Hill Road
- o Burke Drive

4. Scope of Work and Schedule:

- a) Task 1 – Project Kickoff and Scoping
- b) Task 2 – Inventory of Existing Access and Operations
 - o Review available information and previous studies
 - o Data Collection
 - o Completed by June 10th, 2016
- c) Task 3 – Identification of Operational Characteristics
 - o Analyze existing traffic data
 - o Summarize the current functional characteristics of the study area
 - o Interim Report submitted July 15th, 2016
- d) Task 4 – Evaluation of Proposed Changes and Alternatives Identification
 - o Future build year baseline analysis
 - o Evaluate potential QUFSD access changes
 - o Provide suggested modifications or alternatives if necessary
 - o Identify Aviation Road corridor complimentary improvements
 - o Conceptual construction cost estimates
 - o Study Advisory Committee follow up coordination meeting – End of August
- e) Task 5 – Public Outreach, Recommendations, and Final Report
 - o Public Informational Meeting – Mid September (pending school calendar)
 - o Final Report submitted – End of September

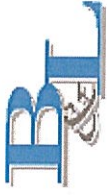
5. Action Items:

- a) B&L to complete traffic data collection efforts prior to Thursday, May 26th.
- b) B&L will coordinate the data collection times with the study advisory committee for assistance with dispersing the information to town and school officials.

KICK-OFF MEETING

AVIATION ROAD / QUFSD ACCESS OPERATIONS ANALYSIS

WEDNESDAY, MAY 11TH, 2016 AT 11 AM



NAME	REPRESENTING	E-MAIL	PHONE #
Dan Rowe	BTL	drowe@bartonandlogsdice.com	518-218-1801
Spencer Baker	TOQ	stuartb@queensbury.net	518 761 8222
Franklin Field	AGFTC	afrankfield@agftc.org	518 223 0086
Kate Mance	AGFTC	kmance@agftc.org	11
John Strouder	QBY	johnsupervisor@queensbury.net	
Sam Bennett	CHA	sbennett@checompanies.com	518-453-8254
Tracy Huntley	QUFSD	thuntley@queensburyschool.org	518-824-5601
Rob Chapman	QUFSD	rchapman@queensburyschool.org	518-824-5671



1. Introductions: Sign in sheet is attached
2. Interim Report Findings:

Generally the results of the existing conditions study were in line with the previous 2008 Aviation Road Corridor Study with some slight variations and degradation of the level of service and delay times.

 - a) Unsignalized intersections operate adequately
 - b) QUFSD Main Access Drive Signalized Intersection
 - o Currently operates at LOS E/D (AM/PM)
 - o Field observations found fixed time operation with 90 sec. green on Aviation and 30 sec. green on the School Drive.
 - o The Town noted that the signal controller is outdated and they have been unsuccessful in operating in actuated control. The Town has recently started to get quotes to upgrade the controller and associated equipment.
 - c) Accident study revealed high accident rates
 - o QUFSD Main Access Drive intersection and Burke Drive intersection were both higher than the statewide average for similar facilities
 - o The Aviation Road Corridor within the study limits revealed a higher than statewide average accident rate
 - o Rear-end accidents were predominate throughout the corridor
3. Discussion of Future 2018 Analysis and Concepts

The traffic data collected in the spring of 2016 was projected out to 2018 as the estimated time of completion (ETC). The analyses of all alternatives discussed were for the ETC year of 2018. The projections were calculated using an annual growth rate of 0.5%. The growth rate was discussed and determined to be a conservative estimate for the project area and is feasible for estimation purposes of this study.

Six (6) figures were presented for discussion by the group with the level of service (LOS) displayed. LOS is shown as LOS AM first and LOS PM second. The LOS is a letter grade associated with the average vehicle delay, A is the best, D is acceptable, E indicates improvements are needed, F is failing.

Figure

- a) No Build – Leave the existing signal as it is today and continue operating
 - o No improvements to traffic flow in the corridor
 - o As traffic grows, the level of service would continue to degrade over time
 - o School intersection overall operating at LOS F and E
- b) Alt. 1 – Signal optimization and detection: This alternative would be considered a maintenance activity by upgrading the signal controller and associated equipment so the system could be more adaptable to traffic flows on all legs.
 - o School intersection overall would operate at LOS F and D

AVIATION ROAD / QUFSD ACCESS OPERATIONS ANALYSIS
PROJECT UPDATE MEETING MINUTES
WEDNESDAY, SEPTEMBER 21, 2016 AT 9 AM



- o Slight improvement in the PM peak hour
 - o Minimal cost to complete (likely <\$20,000)
- c) Alt. 2 – Aviation Rd. WB right turn lane: Add a westbound right turn lane at the existing School intersection and install a new traffic signal
 - o Overall intersection would be operating at LOS C and C
 - o New signal would be actuated and adapt timing to traffic flows
 - o No major changes to existing traffic patterns
 - o Project is estimated between \$325,000 and \$350,000 (Signal = \$175k, Lane = \$150k)
- d) Alt. 3 – Burke Dr. 4-way signal: Eliminate the existing main entrance; relocate the main access road in front of the middle school creating a 4-way intersection with Burke Drive. Also install a new traffic signal at the intersection.
 - o Overall intersection would be operating at LOS B and B
 - o Provides a major LOS improvement
 - o The project is estimated at \$175,000 for the signal plus the additional site work which would include access drive construction and parking lot reconstruction.
 - o Signal is close to the Northway interchange signal and would likely require coordination and approval through NYSDOT
 - o School officials were not comfortable with routing high volumes of school traffic so close to the middle school building
- e) Alt. 4 – Cottage Hill Rd. 4-way signal: Eliminate the existing main entrance and relocate the main access road to the west of the tennis courts and create a 4-way signalized intersection with Cottage Hill Road.
 - o Overall intersection would be operating at LOS D and F
 - o Does not provide additional LOS benefit compared with prior alternatives
 - o Signal is estimated at \$175,000
 - o This alternative would require a lot of site work and internal roadway re-alignments
 - o As depicted, alternative negates recently constructed infrastructure, including interior roundabout
- f) Alt. 5 – West Campus secondary signal: Leave the existing main entrance and signal in place, construct a second signalized intersection at the western end of the campus. The concept sketch showed the entrance at the existing High School parking lot exit, but could be placed anywhere along the high school frontage and provide similar results.
 - o The existing school entrance would operate at LOS C and C
 - o The new western intersection would operate at LOS C and B
 - o The signal is estimated to cost approximately \$175,000 plus any additional site work
 - o As shown the signal is close to Manor and Midnight and could affect their operation
 - o The general consensus was that this was a viable option but the intersection should be moved further east.
 - o B&L will investigate aligning the new access with Prospect or Cottage Hill and coordinate with Clough Harbor & Associates (CHA) for planned parking lot improvements.

AVIATION ROAD / QUFSD ACCESS OPERATIONS ANALYSIS
PROJECT UPDATE MEETING MINUTES
WEDNESDAY, SEPTEMBER 21, 2016 AT 9 AM



4. Discussion regarding QUFSD master plan:
 - a) Schedule of work to be completed
 - o State Education approval in 2017
 - o Site work to start July 2018
 - b) How to incorporate selected alternative
 - o Site plans are in the concept/preliminary stages so there is opportunity at this point to incorporate access changes.
 - o B&L and CHA will coordinate plans as this project progresses.
5. Next Steps:
 - a) Follow up meeting on October 18, 2016, 9 AM, at Queensbury Town Hall
 - b) Public Informational Meeting
 - c) Final Report
6. Action Items:
 - a) B&L to develop concept plan for an additional alternative that is a combination of Alternative 4 and 5 that would maintain the existing signal and provide a second signal at Cottage Hill Road.
 - b) B&L will eliminate Alternative 3 from further study
 - c) B&L will expand the analysis to 2028, estimated time of completion plus 10 years.
 - d) A/GFTC will investigate possible funding

9/21

Aviation Road / SUPD Access Study

Name

Email

Alan Frankfield

afrankfield@aqfic.org

Stu Baker, To Q

stuartb@queensbury.net

Tom Van Ness To Q

TomV@Queensbury.Net

David DUELL To Q

dave d@Queensbury.net

Rob Chapman

rchapman@queensburyschool.org

Sam Bennett, CHA

Sbennett@chacompanies.com

GREG KLOKIW CSARCH

gklokiw@csarchpl.com.

Doug Huntley

dhuntley@queensburyschool.org

Scott Whittemore

swhittemore@queensburyschool.us

Dan Rouke

drouke@barton

Doug Irisht

dougi@Queensbury.net

JOHN STROUGH

jbg-supervisor@
queensbury.net

Next meeting 10/18 ~~here~~ Queensbury



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

2018 NO-BUILD

Figure

A

Project No.

1896.001.001



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

ALTERNATIVE 1
EXISTING SIGNAL OPTIMIZATION

Figure
B
Project No.
1896.001.001



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

ALTERNATIVE 2
AVIATION RD WB RIGHT TURN LANE

Figure
C
Project No.
1896.001.001



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

ALTERNATIVE 3
BURKE DRIVE SIGNAL

Figure
D
Project No.
1896.001.001



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

ALTERNATIVE 4
COTTAGE HILL ROAD SIGNAL

Figure
E
Project No.
1896.001.001



Barton
& **Loguidice, D.P.C.**

LEGEND
LOS AM / LOS PM

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY

ALTERNATIVE 5
WEST CAMPUS SECOND SIGNAL

Figure
F
Project No.
1896.001.001

AVIATION ROAD / QUFSD ACCESS OPERATIONS ANALYSIS
PROJECT UPDATE MEETING MINUTES
TUESDAY, OCTOBER 18, 2016 AT 9 AM



1. Introductions: Please see the attached sign-in sheet.
2. Brief overview of the September 21, 2016 project meeting: Meeting minutes were e-mailed and final versions handed out at this meeting. The No-build plus five (5) alternatives and their respective figures were reviewed. Alternative #3, 4, and 5 were eliminated from further consideration at the meeting.
3. QUFSD Alternatives: Following the 9/21/16 meeting, QUFSD and their consultant CHA developed two signalized options (attached figures 3a and 4).
 - a) Figure 3a was discussed at the 9/21/16 meeting and provides a 4-leg new signalized intersection at Cottage Hill Road.
 - b) Figure 4 depicts creating a new 3-leg signalized intersection east of Cottage Hill Road. This option was not preferred by the Town as it presents a new off-set intersection and could create further access management issues for the corridor as a whole. This options was not analyzed further.
 - c) Prior to the meeting, the project team members reviewed the two options and it was determined to provide further traffic analysis for figure 3a. It was also requested to investigate a combination of 3a with the addition of the WB right turn lane at the existing intersection (Alternative 2).
4. Discussion of ETC (2018) and ETC+10 (2028) Analysis: Refer to attached figures and table. Level of Service (LOS) is presented below as AM/PM. The No-build plus four (4) additional alternatives were analyzed by B&L and discussed with the group:
 - a) No Build – Leave the existing signal as it is today and continue operating
 - o No improvements to traffic flow in the corridor
 - o As traffic grows, the level of service would continue to degrade over time
 - o 2018 and 2028 School intersection overall operating at LOS F/E
 - b) Alt. 1 – Signal optimization and detection at existing signal. This alternative would be considered a maintenance activity by upgrading the signal controller and associated equipment so the system could be more adaptable to traffic flows on all legs.
 - o Approximately \$20,000 for new signal equipment and installation
 - o LOS E to D improvement in the PM peak hour
 - o No improvement during the AM peak hour
 - c) Alt. 2 – Aviation Rd. WB right turn lane at existing School entrance.
 - o 2018 LOS improvement from F/E to C/C
 - o 2028 LOS improvement from F/E to D/D
 - o WB right turn lane is estimated to be \$150,000
 - o New traffic signal is estimated to be between \$175,000 to \$200,000
 - o Total Alt. 2 project cost estimated to be \$325,000 to \$350,000
 - o Through discussions of how this arrangement would operate, all parties agreed that a new signal head with right turn arrows is preferred.



- o Conceptually it appears that the existing north side signal pole is aligned with the proposed turn lane and would prohibit the installation of another signal head. If pursued further, detailed design efforts will determine more accurately if existing signal elements that could remain.

d) Alt. 3a – New Cottage Hill 4-leg signalized intersection

- o 2018 Cottage Hill LOS B/C
- o 2018 Existing School Entrance LOS D/D
- o 2028 Cottage Hill LOS B/C
- o 2028 Existing School Entrance LOS E/D
- o New traffic signal is estimated to be between \$175,000 to \$200,000

e) Alt 3b – New Cottage Hill 4-leg signalized intersection w/ Alt. 2 WB right turn lane

- o 2018 Cottage Hill LOS B/C
- o 2018 Existing School Entrance LOS C/C
- o 2028 Cottage Hill LOS B/C
- o 2028 Existing School Entrance LOS C/C
- o New traffic signals are estimated to be between \$175,000 to \$200,000 each
- o WB right turn lane is estimated to be \$150,000
- o Total Alt. 3b project cost estimated to be \$500,000 to \$550,000

5. Preferred Alternative

- a) It was in agreement among the group that Alternative 3b provides the greatest operational benefit to the corridor as a whole.
- b) Alternative 3b also comes with the highest estimated cost of the options analyzed.
- c) A benefit of Alternative 3b is that it presents 3 individual elements (existing signal improvement, right turn lane, and new Cottage Hill signal) that could be completed in stages if necessary.
- d) QUFSD indicated that site work at the High School during the Summer of 2018 is their realistic schedule. Their funding and schedule details are currently being worked on and should be completed in another month.
- e) The Town expressed interest in seeing improvements to the existing signal as soon as possible and suggested that they move forward with upgrading the existing signal this year with Town funds. The Town will take a closer look at the future WB right-turn lane and coordinate the immediate upgrades to not preclude future improvements.
- f) The WB Right Turn Lane and new Cottage Hill Road signal could be pursued as individual projects in the future, with the goal that all are completed in coordination with the QUFSD High School site work in the Summer of 2018.
- g) A/GFTC indicated that there might be a funding opportunity through the current pavement preservation program and would work with the Town on implementation if the opportunity does exist.

6. Action Items:

- a) QUFSD and CHA will provide a final concept plan for Alternative 3b.
- b) QUFSD will provide their more detailed High School site work schedule when completed.
- c) B&L will complete the final report and it will be distributed for Committee review following receipt of the final concept plan from QUFSD. The final report will include all alternatives studied to date. It is anticipated that this will be distributed in November.
- d) A/GFTC and Town to determine potential funding source

AVIATION ROAD / QUFSD ACCESS OPERATIONS ANALYSIS
PROJECT UPDATE MEETING
TUESDAY, OCTOBER 18, 2016 AT 9 AM



NAME	REPRESENTING	E-MAIL	PHONE #
Sam Bennett	CHA	Sbennett@cha.companies.com	453-8254
Scott Whitmore	Queensbury	swhitmore@queensburyschool.org	824-5604
Doug Huntley	Queensbury	dhuntley@queensburyschool.org	824-5602
Sty Baker	TOQ	stuartb@queensbury.net	761-8222
Helen Frankfield	ALGFC	hfrankfield@algfc.org	223-0086
Bob Chapman	QUFSD	rchapman@queensburyschool.org	842-5671
Dan Roule	B&L	droule@bestandlogistics.com	222-4449
Victoria LaMorgue	John Strough	opysupervisor@queensbury.net	761-8229
Mark De Mers	Highway Dept	markd@queensbury.net	761-8211
Kate Mance	ALGFC	kmance@algfc.org	223-0086

AM Peak Hour Level of Service											
Intersection and Approach	Control	No Build		Alt. 1		Alt. 2		Alt. 3a		Alt. 3b	
		2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)
Aviation Rd/Manor Dr/Midnight Dr	TW										
Midnight Dr NB LTR		C (20.6)	C (22.4)					C (20.6)	C (22.4)	C (20.6)	C (22.4)
Manor Drive SB LTR		E (48.2)	F (59.2)					E (48.2)	F (59.2)	E (48.2)	F (59.2)
Aviation Road EB LTR		A (0.0)	A (0.0)					A (0.0)	A (0.0)	A (0.0)	A (0.0)
Aviation Road WB LTR		A (1.2)	A (1.3)					A (1.2)	A (1.3)	A (1.2)	A (1.3)
Aviation Rd/HS Parking Lot West Exit	TW										
High School West Exit SB L		D (33.6)	E (40.9)					D (32.8)	E (38.5)	D (32.8)	E (38.5)
High School West Exit SB R		B (11.7)	B (12.0)					B (11.2)	B (11.5)	B (11.2)	B (11.5)
Aviation Rd/Prospect Rd	TW										
Prospect Dr NB LTR		C (23.3)	D (25.2)					C (23.3)	D (25.2)	C (23.3)	D (25.2)
Aviation Rd WB L		B (11.4)	B (11.8)					B (11.4)	B (11.8)	B (11.4)	B (11.8)
Aviation Rd/HS Entrance/Cottage Hill Rd	TW										
Cottage Hill Rd NB LTR		C (20.1)	C (22.1)					B (16.0)	B (16.6)	B (16.0)	B (16.6)
New High School Exit SB LTR								C (29.4)	C (30.1)	C (29.4)	C (30.1)
Aviation Rd EB L		B (10.1)	B (10.4)					B (13.1)	B (15.9)	B (13.1)	B (15.9)
Aviation Rd WB L		B (10.2)	B (10.4)					A (8.7)	A (9.6)	A (8.7)	A (9.6)
Overall Intersection								B (13.4)	B (15.3)	B (13.4)	B (15.3)
Aviation Rd/QUFSD Main Access Dr/Church Dwy	S										
Aviation Road EB LTR		E (61.3)	E (67.3)	E (68.6)	E (75.7)	C (34.8)	D (38.8)	D (38.2)	D (40.1)	C (23.3)	C (25.3)
Aviation Road WB LTR		E (68.8)	F (83.6)	F (96.2)	F (115.6)	C (27.3)	C (31.2)	E (69.1)	F (83.2)	C (25.4)	C (29.5)
Church Driveway NB LTR		D (43.0)	D (43.0)	D (41.0)	D (41.0)	B (17.7)	B (17.7)	D (43.0)	D (43.0)	B (16.7)	B (16.7)
Main Access Dr SB LTR		F (141.8)	F (160.9)	F (83.4)	F (94.1)	D (43.6)	D (47.7)	D (54.6)	E (58.7)	C (25.3)	C (26.5)
Overall Intersection		F (82.8)	F (95.5)	F (83.2)	F (96.1)	C (33.6)	D (37.6)	D (54.3)	E (61.7)	C (24.5)	C (27.2)
Aviation Rd/Burke Dr	TW										
Burke Drive NB LTR		D (29.3)	E (35.7)					C (21.4)	C (24.2)	C (21.4)	C (24.2)
Aviation Road WB L		A (9.4)	A (9.6)					A (9.4)	A (9.6)	A (9.4)	A (9.6)

Key:

X (Y.Y) = Level of Service (Delay, seconds per vehicle).

TW – Two-Way Stop controlled intersection

S- Traffic Signal controlled intersection

NB, SB, WB, EB = Northbound, Southbound, Westbound, Eastbound intersection approaches.

LTR = Left-turn, thru, and/or right-turn movements.

LOS	Stop	Signal
A	< 10	< 10
B	10 to 15	10 to 20
C	15 to 25	20 to 35
D	25 to 35	35 to 55
E	35 to 50	55 to 80
F	> 50	> 80

PM Peak Hour Level of Service											
Intersection and Approach	Control	No Build		Alt. 1		Alt. 2		Alt. 3a		Alt. 3b	
		2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)	2018 (ETC)	2028 (ETC+10)
Aviation Rd/Manor Dr/Midnight Dr	TW										
Midnight Dr NB LTR		B (14.2)	B (14.7)					B (14.2)	B (14.7)	B (14.2)	B (14.7)
Manor Drive SB LTR		D (34.1)	E (39.3)					D (34.1)	E (39.8)	D (34.1)	E (39.8)
Aviation Road EB LTR		A (0.0)	A (0.0)					A (0.0)	A (0.0)	A (0.0)	A (0.0)
Aviation Road WB LTR		A (0.8)	A (0.8)					A (0.8)	A (0.8)	A (0.8)	A (0.8)
Aviation Rd/HS Parking Lot West Exit	TW										
High School West Exit SB L		B (13.9)	B (14.4)					B (13.9)	B (14.4)	B (13.9)	B (14.4)
High School West Exit SB R		B (13.3)	B (13.7)					B (13.0)	B (13.4)	B (13.0)	B (13.4)
Aviation Rd/Prospect Rd	TW										
Prospect Dr NB LTR		B (12.8)	B (13.1)					B (12.9)	B (13.3)	B (12.9)	B (13.3)
Aviation Rd WB L		A (8.5)	A (8.6)					A (8.5)	A (8.6)	A (8.5)	A (8.6)
Aviation Rd/HS Entrance/Cottage Hill Rd	TW										
Cottage Hill Rd NB LTR		B (12.2)	B (12.3)					A (5.0)	A (5.1)	A (5.0)	A (5.1)
New High School Exit SB								C (39.5)	D (44.8)	C (39.5)	D (44.8)
Aviation Rd EB L		A (8.5)	A (8.5)					C (23.4)	C (24.4)	C (23.4)	C (24.4)
Aviation Rd WB L		A (8.7)	A (8.8)					C (28.0)	C (29.9)	C (28.0)	C (29.9)
Overall Intersection								C (31.6)	C (34.8)	C (31.6)	C (34.8)
Aviation Rd/QUFSD Main Access Dr/Church Dwy	S										
Aviation Road EB LTR		C (27.6)	C (28.0)	C (33.2)	C (35.4)	C (25.6)	C (26.9)	C (28.4)	C (29.5)	B (13.6)	B (14.2)
Aviation Road WB LTR		D (44.4)	D (49.8)	D (50.4)	E (62.0)	C (32.1)	D (38.1)	D (43.9)	D (49.0)	C (26.3)	C (30.0)
Church Driveway NB LTR		B (10.8)	B (11.0)	A (5.8)	A (5.8)	A (4.2)	A (4.2)	B (10.8)	B (10.8)	A (4.2)	A (4.2)
Main Access Dr SB LTR		F (116.4)	F (132.7)	D (44.1)	D (48.9)	D (41.1)	D (45.0)	E (55.3)	E (57.9)	C (27.7)	C (28.5)
Overall Intersection		E (55.1)	E (61.3)	D (43.3)	D (50.2)	C (31.9)	D (35.9)	D (39.7)	D (42.8)	C (21.6)	C (23.6)
Aviation Rd/Burke Dr	TW										
Burke Drive NB LTR		C (22.7)	D (25.8)					C (20.4)	C (22.7)	C (20.4)	C (22.7)
Aviation Road WB L		B (10.8)	B (11.2)					B (10.8)	B (11.3)	B (10.8)	B (11.3)

Key:

X (Y.Y) = Level of Service (Delay, seconds per vehicle).

TW – Two-Way Stop controlled intersection

S- Traffic Signal controlled intersection

NB, SB, WB, EB = Northbound, Southbound, Westbound, Eastbound intersection approaches.

LTR = Left-turn, thru, and/or right-turn movements.

LOS	Stop	Signal
A	< 10	< 10
B	10 to 15	10 to 20
C	15 to 25	20 to 35
D	25 to 35	35 to 55
E	35 to 50	55 to 80
F	> 50	> 80



Barton
& **Loguidice, D.P.C.**

0 80 160
1" = 160 FEET

A/GFTC
AVIATION ROAD/QUFSD ACCESS
OPERATIONS ANALYSIS
TOWN OF QUEENSBURY, WARREN COUNTY, NY
EXISTING CONDITIONS AND
ALTERNATIVE 1

Figure
1
Project No.
1896.001.001



File: V:\PROJECTS\ANY\K4\31723\CADD\CONCEPT\HS-LAYOUT-FIGURE 4.DWG Saved: 9/27/2016 1:06:51 PM Plotted: 9/27/2016 1:07:15 PM Current User: Evars, Josh LastSavedBy: 4894

Not included in the operations analysis

segment of road removed

parking lot entrance becomes two way

New Signal

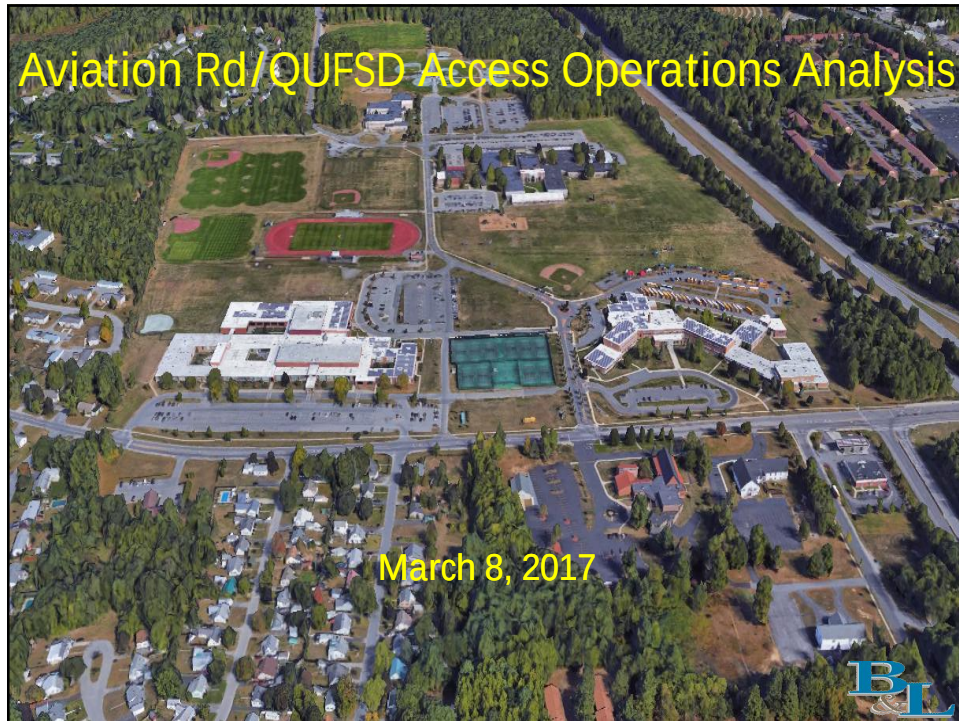
Note:
the remainder of the campus to remain as is

Drawing Copyright © 2016
CHIA
111 Winners Circle, PO Box 5269
Albany, NY 12205-0269
518.453.4500 • www.chacompanies.com

PARKING LOT OPTION 4
QUEENSBURY HIGH SCHOOL

PROJECT NO.
31723
DATE: 06/2016
FIGURE 4

0 40 80
Scale in feet



Aviation Rd/QUFSD Access Operations Analysis

Project Team



Queensbury
Union Free School District

A/GFTC Adirondack
Glens Falls
Transportation
Council



Project Objectives

- QUFSD is considering access changes to its campus through their Master Plan Implementation
- Conduct existing conditions traffic analysis of Aviation Road corridor
- Develop recommendations for QUFSD access changes and the Aviation Road corridor

Aviation Rd/QUFSD Access Operations Analysis

Discussion Items

1. Existing Conditions Analysis
2. Preliminary Concepts
3. Review of Final Alternatives and Preferred Alternative

Aviation Rd/QUFSD Access Operations Analysis

Study Area



Existing Condition Analysis:

Ø Level Of Service

Ø Queue

Ø Accident



Level Of Service Analysis

Intersection and Approach	Control	AM Peak Hour 2016 Existing	PM Peak Hour 2016 Existing
1) Aviation Rd/Manor Dr/Midnight Dr	TW	E (47.0)	D (32.9)
2) Aviation Rd/HS Parking Lot West Exit	TW	D (32.3)	B (13.8)
3) Aviation Rd/Prospect Rd	TW	C (22.9)	B (12.8)
4) Aviation Rd/HS Entrance/Cottage Hill Rd	TW	C (19.8)	B (12.1)
5) Tennis Court N/ Tennis Court W	AW	A (8.3)	B (10.4)
6) Tennis Court W/ Tennis Court S	AW	A (7.7)	A (9.1)
7) Aviation Rd/QUFSD Campus Right-Out Exit	TW	B (11.3)	B (12.4)
8) QUFSD Main Access Dr/Middle School Dwy	TW	E (40.8)	B (13.5)
9) Aviation Rd/QUFSD Main Access Dr/Church Dwy	S	F (80.7)	D (53.5)
10) Aviation Rd/Burke Dr	TW	D (27.9)	C (22.0)

- Manor Dr. intersection is failing in the AM
- QUFSD Main Entrance is failing in the AM as well as individual movement failing in AM and PM
- High School Parking Lot Exit and Burke Drive approaches to Aviation Road are approaching capacity

Queue Analysis



- Aviation Road EB Queue extends to the High School Parking Lot
- Aviation Road WB Queue extends beyond Burke Drive
- QUFSD SB exit Queue extends past the roundabout

Accident Analysis

Intersection Accident Rates

Intersection of Aviation Rd with:	2011 - 2015 Crash Rate	NYS Average Accident Rate*
1) Manor Dr/Midnight Dr	0.21	0.26
4) HS Entrance/Cottage Hill Rd	0.05	0.26
9) QUFSD Main Entrance/Church Dwy	0.29	0.23
10) Burke Dr	0.41	0.16

Intersection Severity

Intersection of Aviation Rd with:	Personal Injury	Property Damage Only	Non- Reportable	Total
1) Manor Dr/Midnight Dr	1	1	2	4
4) HS Entrance/Cottage Hill Rd	0	1	0	1
9) QUFSD Main Entrance/Church Dwy	1	3	3	7
10) Burke Dr	2	3	4	9
Totals	4	8	9	21

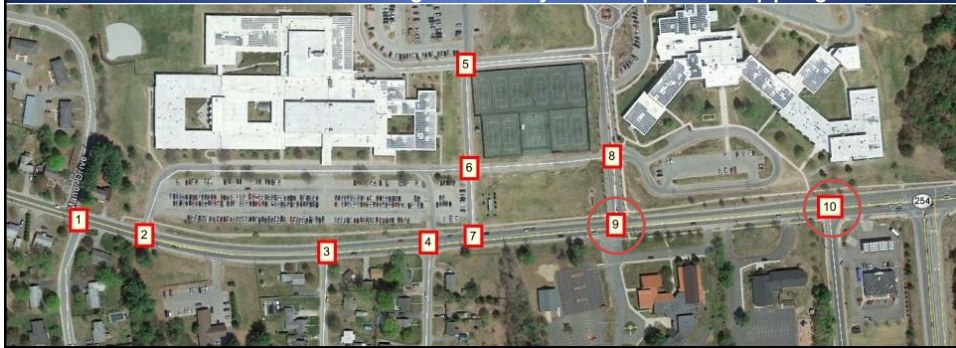
Intersection Accident Types

Intersection of Aviation Rd with:	Rear-End	Right Angle	Left Turn	Bicycle	Other	Total
1) Manor Dr/Midnight Dr	1	1	0	0	2	4
4) HS Entrance/Cottage Hill Rd	0	1	0	0	0	1
9) QUFSD Main Entrance/Church Dwy	5	1	1	0	0	7
10) Burke Dr	4	1	2	1	1	9
Totals	10	4	3	1	3	21

Accident Analysis

Aviation Road Corridor Analysis

- 35 Total Accidents
- 4.62 Acc/MVM > 2.81 Acc/MVM Statewide Avg.
- 20 (57%) Rear-End, 5 (14%) Right Angle, 3 (9%) Left Turn
- Predominant Rear-End
 - Inattentiveness, following too closely, & frequent stopping



Preliminary Concepts



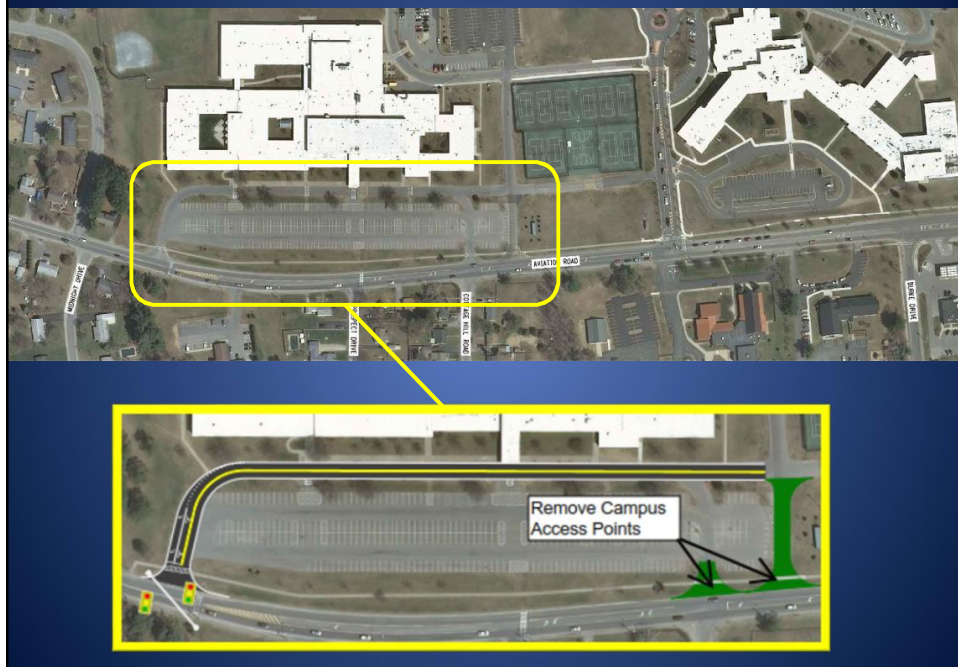
Preliminary Concepts



Preliminary Concepts



Preliminary Concepts



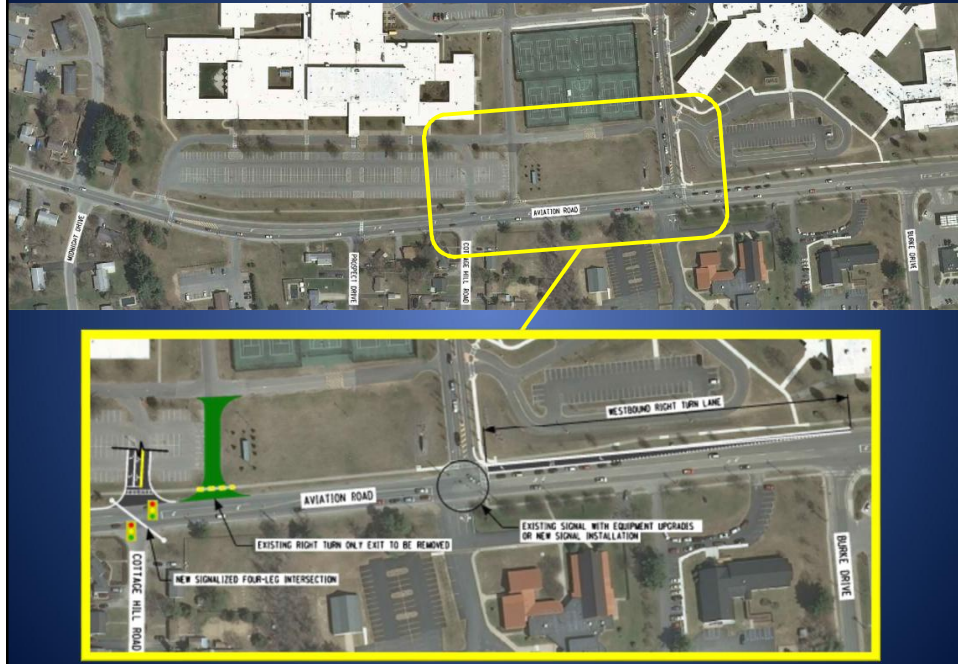
Final Alternatives

- 1) Existing Signal Improvements
- 2) Aviation Rd. WB Right Turn Lane
- 3A) Cottage Hill Rd Secondary Signal
- 3B) Combination of Alternative 1 + 2 + 3A

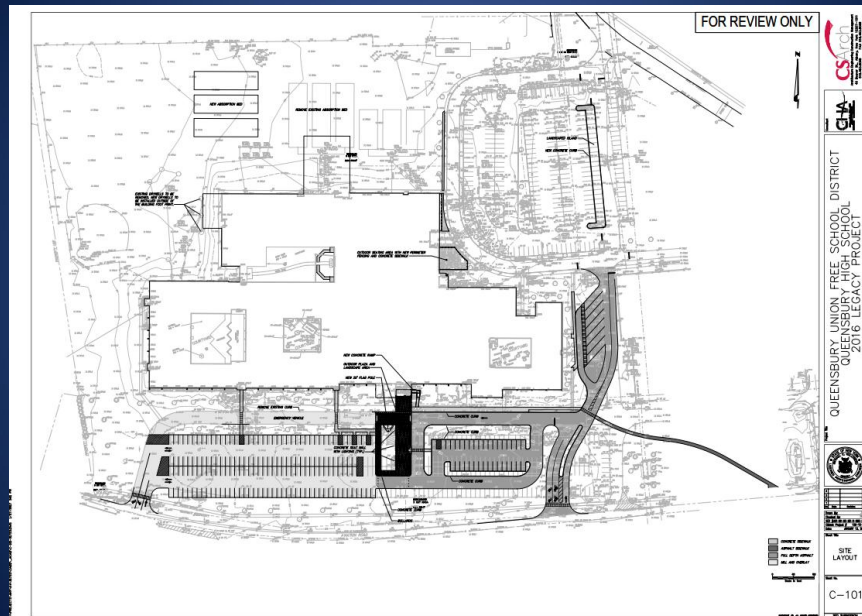
Final Alternative 3



Final Alternative 3B (Preferred)



Final Alternative 3B (Preferred)



Final Alternative 3B (Preferred)

Morning Peak Hour											
Intersection and Approach	Control	Existing / No-Build		Alt. 1 - Existing Signal		Alt. 2 - Right Turn Lane		Alt. 3A - Cottage Hill		Alternative 3B	
		2018 (ETC)	2018 (ETC+10)	2018 (ETC)	2018 (ETC+10)	2018 (ETC)	2018 (ETC+10)	2018 (ETC)	2018 (ETC+10)	2018 (ETC)	2018 (ETC+10)
4) Aviation Rd/HS Entrance/Cottage Hill	TW/S	C (20.1)	C (22.1)	C (20.1)	C (22.1)	C (20.1)	C (22.1)	B (13.4)	B (15.3)	B (13.4)	B (15.3)
9) Aviation Rd/QUFSD Main Access	S	F (82.8)	F (95.5)	F (83.2)	F (95.4)	C (33.6)	D (37.6)	D (54.3)	E (61.7)	C (24.5)	C (27.2)
10) Aviation Rd/Burke Dr	TW	D (29.3)	E (35.7)	D (29.3)	E (35.7)	D (29.3)	E (35.7)	C (21.4)	C (24.2)	C (21.4)	C (24.2)

Evening Peak Hour											
Intersection and Approach	Control	Existing / No-Build		Alt. 1 - Existing Signal		Alt. 2 - Right Turn Lane		Alt. 3A - Cottage Hill		Alternative 3B	
		2018 (ETC)	2018 (ETC+10)	2018 (ETC)	2018 (ETC+10)	2018 (ETC)	2018 (ETC+10)	2018 (ETC)	2018 (ETC+10)	2018 (ETC)	2018 (ETC+10)
4) Aviation Rd/HS Entrance/Cottage Hill	TW/S	B (12.2)	B (12.3)	B (12.2)	B (12.3)	B (12.2)	B (12.3)	C (31.6)	C (34.8)	C (31.6)	C (34.8)
9) Aviation Rd/QUFSD Main Access	S	E (55.1)	E (61.3)	D (42.1)	D (49.2)	C (31.9)	D (35.9)	D (39.7)	D (42.8)	C (21.6)	C (23.6)
10) Aviation Rd/Burke Dr	TW	C (22.7)	D (25.8)	C (22.7)	D (25.8)	C (22.7)	D (25.8)	C (20.4)	C (22.7)	C (20.4)	C (22.7)

- Greatest overall operational improvement to the QUFSD Main Entrance
- 3 Individual projects that can be completed in phases
- Agrees with proposed QUFSD High School parking lot improvements

Questions ?

