

October 2, 2025

Mr. Frank Ciminelli
Arc Building Partners
100 South Elmwood Avenue, Suite 100
Buffalo, NY 14202

**RE: Traffic Impact Report for Proposed Sports Complex and Hotel
330 Maple Road, Town of Amherst, Erie County, New York
LaBella Project No.: 2254561**

Dear Mr. Ciminelli:

LaBella Associates (LaBella) has completed a Due Diligence Traffic Analysis for the proposed 716 Sports Fieldhouse development, to be located in the Town of Amherst at 330 Maple Road. This assessment is based on industry-standard engineering guidelines and the Concept Plan prepared by LaBella Associates, dated October 1, 2025.

1. Project Description

The subject site is located along the north side of Maple Road and situated between the Audubon Town Park baseball fields and the Amherst Parks Department Building. Exhibit 1 is an aerial image that depicts the subject site, study intersections, and key landmarks.



Exhibit 1 – Site Location & Study Intersections

The proposed project generally consists of an athletic community center comprised of two 125,000 square-foot sports domes that will house a full-size turf football/lacrosse/soccer field, a 200 meter long 6-lane banked track, and six basketball/volleyball/pickleball courts. A two-story, 50,000-square-foot building will connect the two sports domes, and it will be comprised of a 25,000-square-foot fitness center, a 20,000-square-foot core lobby (Locker Room/Restroom), and a 5,000-square-foot space for member amenities (Restaurant/Snack Bar). Lastly, a five-story 150-room hotel will be located on the site to support the proposed development. The project will be supported by +/- 500 parking spaces. Access to the site will be provided via a full-movement driveway on Maple Road. The analysis herein considers the proposed driveway operating under signal control.



2. Existing Conditions

Study Area Roadways

Maple Road is classified as a Principal Arterial – Other (no control of access) roadway and is under the jurisdiction of the Erie County Department of Public Works. The roadway runs primarily east-west through the Town of Amherst. In the vicinity of the subject site, Maple Road provides one 11-foot-wide travel lane and one 14-foot-wide travel in each direction, with a 15-foot-wide two-way left-turn lane, and sidewalks are located on both sides of the roadway. There is no shoulder near the subject site. The posted speed limit is 45-mph.

NYS Route 263 (a.k.a. Millersport Highway) is classified as a Principal Arterial – Other (no control of access) roadway and is under the jurisdiction of the New York State Department of Transportation (NYSDOT). The roadway primarily north-south through the Town of Amherst and is also known as Millersport Highway. In the vicinity of the subject site, Millersport Highway provides two 12-foot-wide travel lanes in both directions, with a landscaped split median that varies in width. There are no sidewalks along this roadway. The posted speed limit is 45-mph.

North Maplemere Road is classified as an Urban Local roadway and is under the jurisdiction of the Town of Amherst. The roadway runs north-south from Maple Road to Millersport Highway. In the vicinity of the subject site, North Maplemere Road provides a 32-foot-wide cross-section with travel lanes in both directions. It should be noted that the roadway narrows to a 20-foot-wide cross-section approximately 700-feet from the intersection of Maple Road and North Maplemere Road. Sidewalks are located on both sides of the roadway. The posted speed limit is 30-mph.

Study Intersections

Maple Road and Flint Road is a four-leg signalized intersection. The eastbound Maple Road approach provides an exclusive left-turn lane, two through lanes, and an exclusive right-turn lane. The westbound Maple Road approach provides an exclusive left-turn only lane, a through lane, and a shared through/right-turn lane. The northbound and southbound Flint Road approaches provide an exclusive left-turn lane and a shared through/right-turn lane. Pedestrian accommodations at the intersection include curb ramps, marked crosswalks, and pedestrian signals with push buttons on all approaches. The study utilized signal timing data provided by the Erie County Department of Public Works, which is included in Attachment A. Exhibit 2 depicts an aerial image of the study intersection.



Exhibit 2 – Maple Road & Flint Road



Maple Road and NYS Route 263 (a.k.a. Millersport Highway) Southbound Ramps is a three-leg signalized intersection. The eastbound Maple Road approach consists of one exclusive left-turn lane and two through lanes. The westbound Maple Road approach provides two through lanes and an exclusive right-turn lane. The southbound NYS Route 263 ramps approach provides an exclusive left-turn lane and an exclusive right-turn lane. The southbound approach provides curb ramps, marked crosswalks, and pedestrian signals with a push buttons. The study utilized signal timing data provided by the New York State Department of Transportation (NYSDOT), which is included in Attachment A. Exhibit 3 depicts an aerial image of the study intersection.



Exhibit 3 – Maple Road & NYS Route 263 SB Ramps

Maple Road and NYS Route 263 (a.k.a. Millersport Highway) Northbound Ramps is a four-leg signalized intersection. The eastbound Maple Road approach provides an exclusive left-turn lane and two through lanes. The westbound Maple Road approach provides one through lane and one through/right-turn lane. The northbound NYS Route 263 exit ramp approach provides an exclusive left-turn lane and a shared through/right-turn lane. It should be noted that there is a one-way entrance ramp at this intersection. Pedestrian accommodation at the intersection includes curb ramps, marked crosswalks, and pedestrian signals with push buttons across the northbound and southbound approaches. The study utilized signal timing data provided by the NYSDOT, which is included in Attachment A. Exhibit 4 depicts an aerial image of the study intersection.



Exhibit 4 – Maple Road & NY Route 263 NB Ramps



Maple Road and N Maplemere Road is a four-leg signalized intersection. The eastbound and westbound Maple Road approaches provide an exclusive left-turn lane, a through lane, and a shared through/right-turn lane. The northbound N Maplemere Road approach provides a shared left-turn/through/right-turn lane. The southbound N Maplemere Road approach provides an exclusive left-turn lane and a shared through/right-turn lane. Pedestrian accommodations at the intersection include curb ramps, marked crosswalks, and pedestrian signals with push buttons on all approaches. The study utilized signal timing data provided by the Erie County Department of Public Works, which is included in Attachment A. Exhibit 5 depicts an aerial image of the study intersection.

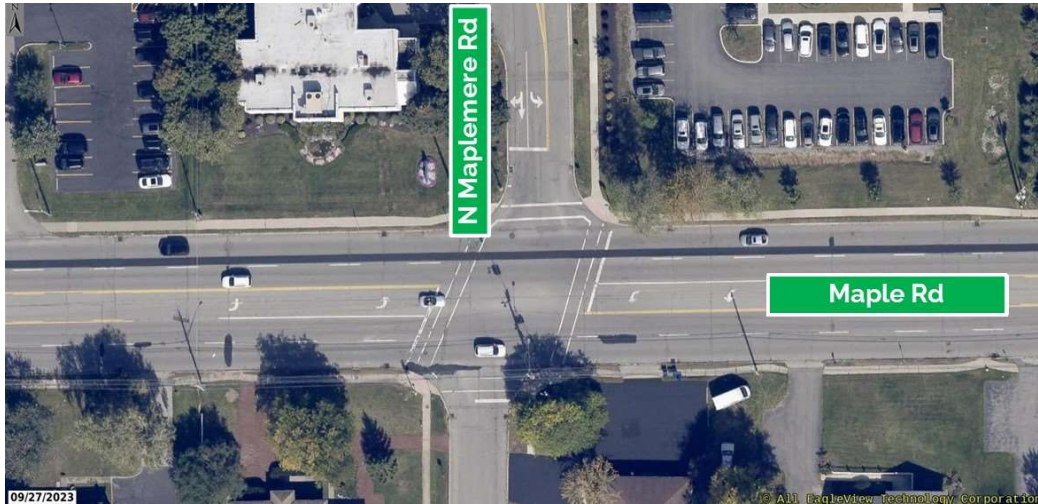


Exhibit 5 – Maple Road & N Maplemere Road

Maple Road and N Forest Road is a four-leg signalized intersection. The eastbound and westbound Maple Road approaches provide an exclusive left-turn lane, two through lanes, and an exclusive right-turn lane. The northbound and southbound N Forest Road approaches provide an exclusive left-turn lane, a through lane, and an exclusive right-turn lane. Pedestrian accommodations at the intersection include curb ramps, marked crosswalks, and pedestrian signals with push buttons on all approaches. The study utilized signal timing data provided by the Erie County Department of Public Works, which is included in Attachment A. Exhibit 6 depicts an aerial image of the study intersection.

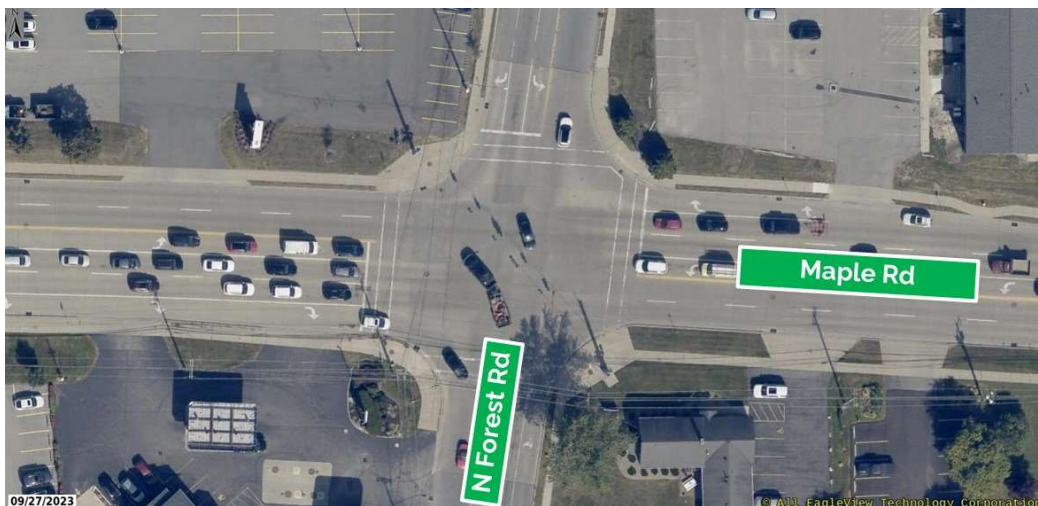


Exhibit 6 – Maple Road & N Forest Road



N Maplemere Road/Coventry Road and NYS Route 263 (a.k.a. Millersport Highway) is a four-leg signalized intersection. The eastbound and westbound Millersport Highway approaches provide an offset exclusive left-turn lane, a through lane, and a shared through/right-turn lane. The northbound N Maplemere Road approach provides a shared left-turn/through lane and an exclusive right-turn lane. The southbound Coventry Road approach provides a shared left-turn/through lane and an exclusive right-turn lane. It should be noted that Millersport Highway has a landscaped median. Pedestrian accommodations include curb ramps, a marked crosswalk, and pedestrian signals with push buttons across the westbound approach. The study utilized signal timing data provided by the NYSDOT, which is included in Attachment A. Exhibit 7 depicts an aerial image of the study intersection.

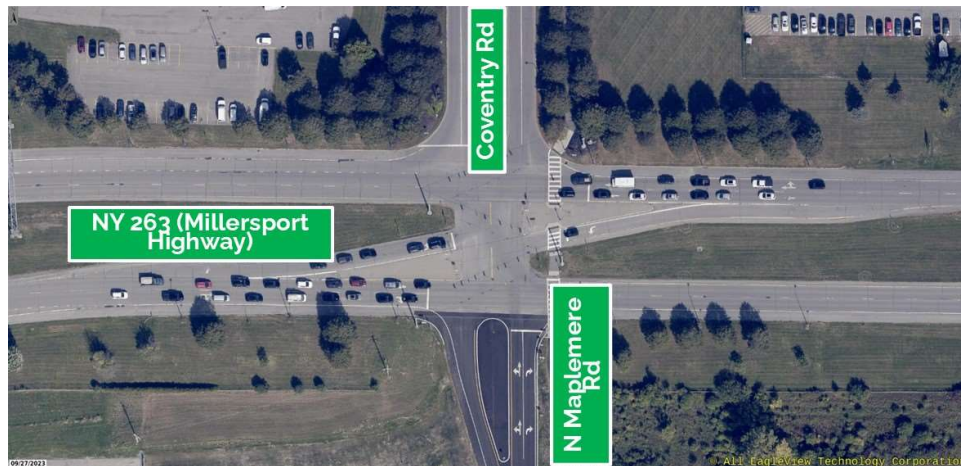


Exhibit 7 – NYS Route 263 & N Maplemere Road/Coventry Road

Collision Analysis

A collision analysis was performed for the study roadways and intersections based on data obtained from NYSDOT. The analysis included the review of 67 crashes over a three-year period between August 22, 2022, and August 22, 2025. Detailed collision summary tables are shown below in Tables 1-1 through 1-6.

Table 1-1: Maple Road and Flint Road Intersection Collision Summary

Collision Type	Number of Collisions				Number of Collisions Resulting in Injury				Number of Collisions Resulting in Fatalities			
	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025
Rear End	0	2	1	2	0	1	0	1	0	0	0	0
Head On	0	0	0	0	0	0	0	0	0	0	0	0
Overtaking/Sideswipe	1	1	0	1	0	1	0	0	0	0	0	0
Left-Turn	1	0	0	2	1	0	0	1	0	0	0	0
Right-Turn	0	2	1	0	0	0	0	0	0	0	0	0
Right Angle	0	0	1	1	0	0	0	0	0	0	0	0
Fixed Object	0	1	0	0	0	0	0	0	0	0	0	0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians	0	0	1	0	0	0	1	0	0	0	0	0
Other	1	0	0	0	1	0	0	0	0	0	0	0
Total	3	6	4	6	2	2	1	2	0	0	0	0
Three-Year Total	19				7				0			

Table 1-1 shows that 19 collisions were reported at this intersection over the three-year period. Out of the 19 collisions, seven of the collisions resulted in an injury, and zero collisions resulted in a fatality. There were zero collisions involving a bicyclist and one collision involving a pedestrian resulting in an injury.

**Table 1-2: Maple Road and CR 263 SB Ramps Intersection Collision Summary**

Collision Type	Number of Collisions				Number of Collisions Resulting in Injury				Number of Collisions Resulting in Fatalities			
	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025
Rear End	0	0	0	0	0	0	0	0	0	0	0	0
Head On	0	0	0	0	0	0	0	0	0	0	0	0
Overtaking/Sideswipe	0	0	0	0	0	0	0	0	0	0	0	0
Left-Turn	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn	0	0	0	0	0	0	0	0	0	0	0	0
Right Angle	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Object	0	0	0	0	0	0	0	0	0	0	0	0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0
Three-Year Total	0				0				0			

Table 1-2 shows that zero collisions were reported at this intersection over the three-year period. Out of the zero collisions, zero of the collisions resulted in an injury, and zero collisions resulted in a fatality. There were zero collisions involving a bicyclist and zero collisions involving a pedestrian.

Table 1-3: Maple Road and NYS Route 263 NB Ramps Intersection Collision Summary

Collision Type	Number of Collisions				Number of Collisions Resulting in Injury				Number of Collisions Resulting in Fatalities			
	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025
Rear End	1	1	0	1	0	0	0	1	0	0	0	0
Head On	0	0	0	0	0	0	0	0	0	0	0	0
Overtaking/Sideswipe	0	0	0	0	0	0	0	0	0	0	0	0
Left-Turn	0	0	0	0	0	0	0	0	0	0	0	0
Right-Turn	0	0	1	0	0	0	0	0	0	0	0	0
Right Angle	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Object	0	0	0	1	0	0	0	0	0	0	0	0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	1	1	2	0	0	0	1	0	0	0	0
Three-Year Total	5				1				0			

Table 1-3 shows that five collisions were reported at this intersection over the three-year period. Out of the five collisions, one of the collisions resulted in an injury, and zero collisions resulted in a fatality. There were zero collisions involving a bicyclist and zero collisions involving a pedestrian.

**Table 1-4: Maple Road and N Maplemere Road Intersection Collision Summary**

Collision Type	Number of Collisions				Number of Collisions Resulting in Injury				Number of Collisions Resulting in Fatalities			
	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025
Rear End	0	1	0	0	0	0	0	0	0	0	0	0
Head On	0	0	0	0	0	0	0	0	0	0	0	0
Overtaking/Sideswipe	0	0	0	0	0	0	0	0	0	0	0	0
Left-Turn	0	2	0	1	0	2	0	0	0	0	0	0
Right-Turn	0	0	0	0	0	0	0	0	0	0	0	0
Right Angle	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Object	0	0	0	1	0	0	0	0	0	0	0	0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	1	0	0	0	0	0	0	0	0	0
Total	0	3	1	2	0	2	0	0	0	0	0	0
Three-Year Total	6				2				0			

Table 1-4 shows that six collisions were reported at this intersection over the three-year period. Out of the six collisions, two of the collisions resulted in an injury, and zero collisions resulted in a fatality. There were zero collisions involving a bicyclist and zero collisions involving a pedestrian.

Table 1-5: Maple Road and N Forest Road Intersection Collision Summary

Collision Type	Number of Collisions				Number of Collisions Resulting in Injury				Number of Collisions Resulting in Fatalities			
	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025
Rear End	1	2	1	1	0	0	1	0	0	0	0	0
Head On	0	0	0	0	0	0	0	0	0	0	0	0
Overtaking/Sideswipe	0	1	1	1	0	0	0	0	0	0	0	0
Left-Turn	1	2	3	0	1	1	1	0	0	0	0	0
Right-Turn	0	0	0	1	0	0	0	0	0	0	0	0
Right Angle	0	2	4	0	0	0	1	0	0	0	0	0
Fixed Object	1	0	0	0	0	0	0	0	0	0	0	0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians	0	1	0	0	0	1	0	0	0	0	0	0
Other	1	1	1	0	0	0	0	0	0	0	0	0
Total	4	9	10	3	1	2	3	0	0	0	0	0
Three-Year Total	26				6				0			

Table 1-5 shows that 26 collisions were reported at this intersection over the three-year period. Out of the 26 collisions, six of the collisions resulted in an injury, and zero collisions resulted in a fatality. There were zero collisions involving a bicyclist and zero collisions involving a pedestrian.

**Table 1-6: N Maplemere Road/Coventry Road and NYS Route Intersection Collision Summary**

Collision Type	Number of Collisions				Number of Collisions Resulting in Injury				Number of Collisions Resulting in Fatalities			
	2022	2023	2024	2025	2022	2023	2024	2025	2022	2023	2024	2025
Rear End	1	2	1	0	0	0	0	0	0	0	0	0
Head On	0	0	0	0	0	0	0	0	0	0	0	0
Overtaking/Sideswipe	0	1	1	0	0	0	0	0	0	0	0	0
Left-Turn	0	0	1	1	0	0	1	0	0	0	0	0
Right-Turn	0	0	0	1	0	0	0	0	0	0	0	0
Right Angle	0	0	0	0	0	0	0	0	0	0	0	0
Fixed Object	0	0	1	0	0	0	0	0	0	0	0	0
Bicyclist	0	0	0	0	0	0	0	0	0	0	0	0
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	1	0	0	0	1	0	0	0	0	0	0
Total	1	4	4	2	0	1	1	0	0	0	0	0
Three-Year Total	11				2				0			

Table 1-6 shows that 11 collisions were reported at this intersection over the three-year period. Out of the 11 collisions, two of the collisions resulted in an injury, and zero collisions resulted in a fatality. There were zero collisions involving a bicyclist and zero collisions involving a pedestrian.

Data Collection

LaBella collected turning movement counts (TMCs) at the study intersections on Thursday, September 11, 2025, and Saturday, September 13, 2025. The counts were conducted during the typical weekday PM and Saturday Midday peak periods – 4:00 p.m. to 7:00 p.m. and 11:00 a.m. to 2:00 p.m., respectively. The typical weekday AM peak period – 7:00 a.m. to 9:00 a.m. – was not evaluated as the weekday volumes are highest during the weekday PM peak period. Furthermore, it should be noted that the University of Buffalo football team had an away game during the Saturday count period. The selection of an away game Saturday was done intentionally to avoid capturing abnormal traffic patterns that result from home games. Based on these counts, the observed network peak hours were 4:30 p.m. to 5:30 p.m. during the weekday PM peak period and 12:15 p.m. to 1:15 p.m. during the Saturday Midday peak period. These 2025 Existing traffic volumes formed the basis of the traffic analysis herein and are shown in Figure 1. The raw TMC data is included under Attachment B.

LaBella also collected continuous traffic volume, speed, and vehicle classification data along Maple Road in proximity to the subject site's frontage from Friday September 5, 2025, through Saturday, September 13, 2025. The raw ATR data is included under Attachment C.

3. Traffic Assessment

Traffic Forecasting (i.e. No-Build Traffic Volumes)

To evaluate the impact of the proposed project, traffic projections were prepared for the design year of 2028. It should be noted that this design year was selected to provide a conservative analysis as it is expected that the project will be completed and occupied sooner than 2028. LaBella Associates reviewed the Pending Development Project page on the Town of Amherst website and determined that there are no projects that will have an effect on the study intersections.¹ In addition, historical traffic volume data from the NYSDOT Traffic Viewer was also reviewed. To provide a conservative analysis, a 1.50% annual growth rate was applied to the Existing 2025 traffic volumes and compounded over a three-year period. The 2028 No-Build traffic volumes are shown in Figure 2 for AM, Midday and PM peak hours. No-Build volumes represent the forecasted traffic volumes for 2028 *without* the proposed project.

¹ https://www.amherst.ny.us/content/development_projects_pending.php



Trip Generation

The Institute of Transportation Engineers' (ITE) *Trip Generation Manual*, 12th Edition, is the industry-standard resource used for estimating trip generation for proposed land uses based on data collected at similar uses. Upon review of the *Trip Generation Manual*, the following Land Use Codes (LUC) were utilized for the study herein:

- LUC 495 "Recreational Community Center" – ITE Description: *A recreational community center is a stand-alone public facility similar to and including YMCAs. These facilities often include classes and clubs for adults and children, a day care or nursery school, meeting rooms and other social facilities, swimming pools and whirlpools, saunas, tennis, racquetball, handball, pickleball, basketball and volleyball courts, outdoor athletic fields/courts, exercise classes, weightlifting and gymnastics equipment, locker rooms, and a restaurant or snack bar. Public access is typically allowed, and a membership fee may be charged.*
- LUC 310 "Hotel" – ITE Description: *A hotel is a place of lodging that provides overnight accommodation and supporting facilities such as a full-service restaurant, concierge service, valet parking, cocktail lounge, meeting rooms, banquet room, and convention facilities. A hotel typically provides a swimming pool or another recreational facility such as a fitness room.*

Table 2 summarizes the weekday PM and Saturday Midday peak hour site-generated trips for the two components of the project based on the applicable independent variable (IV).

Table 2 – Summary of Peak Hour Trip Generation

Project Component	Land Use	IV	Weekday PM Peak Hour			Saturday Midday Peak Hour		
			Entering	Exiting	Total	Entering	Exiting	Total
Athletic Community Center	495	300 KSF	320	347	667	185	157	342
Hotel	310	150 Rooms	37	35	72	36	35	71
Total			357	382	739	221	192	413

As shown in Table 2, the proposed project will generate 739 total trips during the weekday PM peak hour and 413 total trips during the Saturday Midday peak hour. There is no "pass-by" component associated with the proposed uses. It should be noted that the analysis herein does not take a credit for internal capture (i.e., trip sharing between the two components) to provide a conservative analysis.

Trip Distribution

It was assumed that the majority of trips (60%) will come from the west via Maple Road. The 60% is distributed along key roadways that intersect Maple Road such as NYS Route 263 (a.k.a. Millersport Highway) and Flint Road. The remaining trips (40%) will come from the east via Maple Road. These trip distributions are shown in Figure 3. The resulting project-generated trips are shown in Figure 4 for weekday PM and Saturday Midday peak hours.

Capacity Analysis

The capacity analysis relates traffic volumes to the physical characteristics of an intersection. Intersection evaluations were made using Synchro Version 12 and the procedures contained in the *Highway Capacity Manual (HCM)*, 7th Edition. Table 3 and Table 4 summarize the results of the level of service calculations for the Existing, No-Build and Build conditions during the weekday PM and Saturday Midday peak hours, respectively. The Level of Service reports are included under Attachment C.



Table 3 – LOS Summary: Weekday PM Peak Hour

Approach	Lane Group	2025 Existing	2028 No-Build	2028 Build	Δ No-Build vs. Build
Maple Rd / Flint Rd					
Maple Rd, EB	L	B/18.3	B/19.5	C/20.3	+0.8
	T	C/23.1	C/24.6	C/26.1	+1.5
	R	C/25.0	C/26.8	C/27.5	+0.7
Maple Rd, WB	L	B/16.8	B/18.0	B/19.2	+1.2
	TR	C/23.8	C/25.6	C/26.9	+1.3
Flint Rd, NB	L	C/32.3	C/33.8	C/34.4	+0.6
	TR	C/30.0	C/30.1	C/31.0	+0.9
Flint Rd, SB	LT	C/26.1	C/26.0	C/26.4	+0.4
	R	D/43.8	D/45.9	D/46.7	+0.5
Overall		C/26.7	C/28.2	C/29.1	+0.9
Maple Rd / NYS Route 263 SB Ramps					
Maple Rd, EB	L	A/5.5	A/5.9	A/6.4	+0.5
	T	A/4.2	A/4.3	A/4.5	+0.2
Maple Rd, WB	T	A/4.4	A/4.6	A/4.7	+0.1
	R	A/3.9	A/4.1	A/4.5	+0.4
NYS Route 263 SB Ramp, SB	L	C/29.9	C/29.7	C/29.7	0.0
	R	D/39.5	D/39.2	D/39.2	0.0
Overall		A/6.9	A/7.0	A/6.9	-0.1
Maple Rd / NYS Route 263 NB Ramps					
Maple Rd, EB	L	D/41.6	D/48.1	E/73.0	+24.9
	T	C/20.3	C/21.9	C/24.6	+2.7
Maple Rd, WB	TR	C/24.6	C/27.0	C/32.8	+5.8
	L	C/33.2	C/31.7	C/29.9	-1.8
NYS Route 263 NB Ramps, NB	TR	E/74.8	E/75.5	F/105.9	+30.4
Overall		D/35.4	D/37.2	D/48.2	+11.0
Maple Rd / N Maplemere Rd					
Maple Rd, EB	L	A/5.2	A/5.4	A/6.5	+1.1
	TR	A/9.2	A/9.7	B/11.5	+1.8
Maple Rd, WB	L	A/5.8	A/6.1	A/7.1	+1.0
	TR	A/9.2	A/9.6	B/11.4	+1.8
N Maplemere Rd, NB	LTR	C/26.4	C/26.5	C/26.5	0.0
N Maplemere Rd, SB	L	C/25.9	C/26.0	C/26.5	+0.5
	TR	C/27.3	C/27.5	C/27.5	0.0
Overall		B/10.6	B/11.0	B/12.6	+1.6
Maple Rd / N Forest Rd					
Maple Rd, EB	L	C/20.9	C/22.8	C/29.9	+7.1
	T	C/33.0	D/37.3	D/42.3	+5.0
	R	C/22.4	C/23.8	C/25.0	+1.2
Maple Rd, WB	L	C/27.9	C/34.0	D/39.8	+5.8
	T	C/27.6	C/29.9	C/33.4	+3.5
	R	C/22.4	C/23.8	C/25.0	+1.2
N Forest Rd, NB	L	C/28.2	C/28.3	C/38.6	+10.3
	T	D/43.3	D/45.2	D/45.6	+0.4
	R	D/36.7	D/37.1	D/37.3	+0.2
N Forest Rd, SB	L	C/32.8	C/34.8	D/35.6	+0.8
	T	C/34.1	C/34.4	D/36.3	+1.9
	R	C/29.3	C/29.4	C/31.8	+2.4
Overall		C/31.3	C/33.8	D/36.7	+2.9
N Maplemere Rd/Coventry Rd and NYS Route 263					
NYS Route 263, EB	L	F/99.8	F/99.2	F/99.2	0.0
	TR	C/26.9	C/27.8	C/29.3	+1.5
NYS Route 263, WB	L	F/107.6	F/106.9	F/102.8	-4.1
	TR	C/31.2	C/32.4	C/32.4	0.0
N Maplemere Rd, NB	LT	F/83.4	F/83.4	F/83.3	-0.1
	R	E/79.9	E/79.6	F/81.9	+2.3
Coventry Rd, SB	LT	E/72.4	E/73.4	E/73.4	0.0
	R	F/171.4	F/190.6	F/190.6	0.0
Overall		E/60.4	E/63.7	E/64.7	+1.0

EB, WB, NB, SB = Eastbound, Westbound, Northbound, and Southbound intersection approaches

L, T, R = Left-turn, Through, and/or Right-turn movements

X / X.X = Level of service / Average delay in seconds per vehicle



Table 4 – LOS Summary: Saturday Midday Peak Hour

Approach	Lane Group	2025 Existing	2028 No-Build	2028 Build	Δ No-Build vs. Build
Maple Rd / Flint Rd					
Maple Rd, EB	L	B/11.8	B/12.2	B/12.4	+0.2
	T	B/15.4	B/16.1	B/16.6	+0.5
	R	B/15.0	B/15.5	B/15.7	+0.2
Maple Rd, WB	L	B/10.9	B/11.3	B/11.7	+0.4
	TR	B/14.5	B/15.1	B/15.4	+0.3
Flint Rd, NB	L	C/27.1	C/27.3	C/27.4	+0.1
	TR	C/27.1	C/27.2	C/27.7	+0.5
Flint Rd, SB	LT	C/30.9	C/31.0	C/31.2	+0.2
	R	C/34.9	D/35.3	D/35.5	+0.2
Overall		B/16.9	B/17.4	B/17.7	+0.3
Maple Rd / NYS Route 263 SB Ramps					
Maple Rd, EB	L	A/4.5	A/4.8	A/5.1	+0.3
	T	A/3.4	A/3.6	A/3.7	+0.1
Maple Rd, WB	T	A/3.6	A/3.8	A/3.9	+0.1
	R	A/3.2	A/3.4	A/3.6	+0.2
NYS Route 263 SB Ramp, SB	L	C/30.9	C/30.6	C/30.6	0.0
	R	D/41.9	D/41.4	D/41.4	0.0
Overall		A/6.1	A/6.3	A/6.1	-0.2
Maple Rd / NYS Route 263 NB Ramps					
Maple Rd, EB	L	B/16.2	B/18.3	C/26.5	+7.2
	T	A/8.8	A/9.4	B/12.3	+2.9
Maple Rd, WB	TR	B/10.4	B/11.2	B/15.0	+3.8
	L	D/42.5	D/41.4	D/36.8	-4.6
NYS Route 263 NB Ramps, NB	TR	E/61.8	E/62.8	E/65.8	+3.0
Overall		C/20.3	C/21.1	C/24.9	+3.8
Maple Rd / N Maplemere Rd					
Maple Rd, EB	L	A/5.1	A/5.3	A/6.0	+0.7
	TR	A/6.6	A/6.8	A/7.4	+0.6
Maple Rd, WB	L	A/6.3	A/6.4	A/6.4	0.0
	TR	B/10.5	B/10.9	B/11.8	+0.9
N Maplemere Rd, NB	LTR	C/28.0	C/28.1	C/28.1	0.0
N Maplemere Rd, SB	L	C/30.0	C/30.5	C/31.1	+0.6
	TR	C/31.9	C/32.3	C/32.3	0.0
Overall		B/11.5	B/11.8	B/12.2	+0.4
Maple Rd / N Forest Rd					
Maple Rd, EB	L	B/11.1	B/11.6	B/12.3	+0.7
	T	B/15.4	B/16.1	B/17.0	+0.9
	R	B/12.7	B/13.2	B/13.9	+0.7
Maple Rd, WB	L	B/11.1	B/11.7	B/12.3	+0.6
	T	B/14.9	B/15.6	B/17.0	+1.4
	R	B/12.4	B/12.9	B/13.6	+0.7
N Forest Rd, NB	L	C/29.2	C/29.3	C/28.8	-0.5
	T	D/36.9	D/37.2	D/36.2	-1.0
	R	D/36.4	D/36.6	D/35.7	-0.9
N Forest Rd, SB	L	C/28.6	C/28.7	C/28.4	-0.3
	T	D/35.9	D/36.2	D/37.5	+1.3
	R	C/31.8	C/31.9	C/33.6	+1.7
Overall		C/20.4	C/20.9	C/21.5	+0.6
N Maplemere Rd/Coventry Rd and NYS Route 263					
NYS Route 263, EB	L	F/114.0	F/113.0	F/113.0	0.0
	TR	B/11.4	B/11.8	B/12.8	+1.0
NYS Route 263, WB	L	F/104.0	F/103.6	F/101.9	-1.7
	TR	B/10.6	B/11.0	B/11.4	+0.4
N Maplemere Rd, NB	LT	F/84.2	F/84.0	F/82.6	-1.4
	R	F/86.6	F/86.6	F/86.8	+0.2
Coventry Rd, SB	LT	F/88.2	F/88.1	F/88.1	0.0
	R	F/101.7	F/101.4	F/101.4	0.0
Overall		C/29.8	C/30.0	C/31.4	+1.4

EB, WB, NB, SB = Eastbound, Westbound, Northbound, and Southbound intersection approaches

L, T, R = Left-turn, Through, and/or Right-turn movements

X / X.X = Level of service / Average delay in seconds per vehicle



Maple Road and Flint Road: The level of service analysis indicates that the intersection currently operates at an overall LOS C or better during the study peak hours and it will continue to do so in the No-Build and Build conditions. The maximum increase in overall delay between the No-Build and Build conditions is +0.9 second, which occurs during the weekday PM peak hour. The maximum increase in delay for an individual movement between the No-Build and Build conditions is +1.5 seconds during the weekday PM peak hour for the eastbound Maple Road through movement. Based on the analysis, the proposed project will not have a significant adverse impact on the operations of the intersection.

Maple Road and NYS Route 263 SB Ramps: The level of service analysis indicates that the intersection currently operates at an overall LOS A during all peak hours and it will continue to do so in the No-Build and Build conditions. In fact, there will be a marginal decrease in the overall delay between the No-Build and Build conditions. The maximum increase in delay for an individual movement between the No-Build and Build conditions is +0.5 seconds during the weekday PM peak hour for the eastbound left-turn movement. Based on the analysis, the proposed project will not have a significant adverse impact on the operations of the intersection.

Maple Road and NYS Route 263 NB Ramps: The level of service analysis indicates that the intersection currently operates at an overall LOS D or better during the weekday PM and Saturday Midday peak hours and it will continue to do so in the No-Build and Build conditions. The maximum increase in overall delay between the No-Build and Build conditions is the +11.0, which occurs during the weekday PM peak hour. In the Build condition, there is a notable increase in delay in the northbound NYS Route 263 through/right-turn movement. LaBella investigated potential signal timing adjustments to mitigate the increase in delay in the Build condition during the weekday PM peak hour. Specifically, LaBella analyzed reallocated 5 seconds of green time from the mainline Maple Road movements to the northbound NYS Route 263 approach thus maintaining the existing cycle length. Table 5 summarizes the LOS results with these adjustments. The LOS reports are included under Attachment D.

Table 5 – LOS Summary: Weekday PM Peak Hour – Signal Timing Adjustments

Approach	Lane Group	2025 Existing	2028 No-Build	2028 Build w. Mitigation	Δ No-Build vs. Build w/ Mitigation
Maple Rd / NYS Route 263 NB Ramps					
Maple Rd, EB	L	D/41.6	D/48.1	F/98.1	+50.0
	T	C/20.3	C/21.9	C/29.2	+7.3
Maple Rd, WB	TR	C/24.6	C/27.0	D/40.0	+13.0
NYS Route 263 NB Ramps, NB	L	C/33.2	C/31.7	C/25.8	-5.9
	TR	E/74.8	E/75.5	E/69.4	-6.1
Overall		D/35.4	D/37.2	D/44.8	+7.6

EB, WB, NB, SB = Eastbound, Westbound, Northbound, and Southbound intersection approaches

L, T, R = Left-turn, Through, and/or Right-turn movements

X / X.X = Level of service / Average delay in seconds per vehicle

As shown in Table 5, the signal timing adjustments will result in the northbound NYS Route 263 approach operating with lower delays in the Build condition than the No-Build and Existing conditions. It should be noted that the reduction in time on the mainline does result in the eastbound Maple Road left-turn movement experiencing a degradation in LOS from a LOS D to a LOS F with an increase in delay of +50 seconds. However, the V/C ratio for the movement remain below 1.0 (0.69), which indicates that the approach will continue to have capacity in the Build condition with the signal timing adjustments. Based on the analysis, it is recommended that the signal timing adjustments be considered for implementation during the weekday PM peak hour. There are no impacts that require mitigation during the Saturday Midday peak hour.

Maple Road and N Maplemere Road: The level of service analysis indicates that the intersection currently operates at an overall LOS B during all peak hours and it will continue to do so in the No-Build and Build conditions. The maximum increase in overall delay between the No-Build and Build conditions is +1.6 second, which occurs during the weekday PM peak hour. The maximum increase in delay for an individual movement between the No-Build and Build conditions is +1.8 seconds during the weekday PM peak hour for the eastbound and westbound Maple Road through movements. Based on the analysis, the proposed project will not have a significant adverse impact on the operations of the intersection.



Maple Road and N Forest Road: The level of service analysis indicates that the intersection currently operates at an overall LOS C during all peak hours and it will continue to do so in the No-Build conditions. The overall LOS will degrade from a LOS C to a LOS D in the Build condition during the weekday PM peak hour. The overall LOS will remain an LOS C in the Build condition during the Saturday Midday peak hour. The maximum increase in overall delay between the No-Build and Build conditions is +2.9 second, which occurs during the weekday PM peak hour. The maximum increase in delay for an individual movement between the No-Build and Build conditions is +10.3 seconds during the weekday PM peak hour for the northbound Forest Road left-turn movement. Based on the analysis, the proposed project will not have a significant adverse impact on the operations of the intersection.

NYS Route 263 and N Maplemere Road/Coventry Road: The level of service analysis indicates that the intersection currently operates at an overall LOS E during the weekday PM peak hour and an overall LOS C during the Saturday Midday peak hour. These conditions are expected to remain unchanged under No-Build and Build conditions. The maximum increase in overall delay between the No-Build and Build conditions is +1.4 second, which occurs during the Saturday Midday peak hour. The maximum increase in delay for an individual movement between the No-Build and Build conditions is +2.3 seconds during the weekday PM peak hour for the northbound N Maplemere Road right-turn movement. Based on the analysis, the proposed project will not have a significant adverse impact on the operations of the intersection.

Maple Road and Site Driveway:

Due to the high volume of traffic along the mainline Maple Road approaches, it is recommended that the proposed driveway be signalized. A capacity analysis was conducted for the Maple Road/Site Driveway based on the following assumptions:

- Exclusive left-turn and right-turn lanes for the Site Driveway approach
- Exclusive left-turn lane for the eastbound Maple Road approach
- Semi-Actuated Uncoordinated with detection on the Site Driveway and eastbound Maple Road left-turn movements
- 60-second cycle length with a 40-second Minimum Recall split for the mainline Maple Road phases and a 20-second No Recall split for the Site Driveway phase

Table 6 summarizes the LOS results for the Maple Road/Site Driveway intersection based on these assumptions. The LOS reports are included under Attachment D.

Table 6 – LOS Summary: Maple Road/Site Driveway

Approach	Lane Group	Weekday PM Peak Hour	Saturday Midday Peak Hour
Maple Rd / Site Driveway			
Maple Rd, EB	L	D/35.9	B/11.8
	T	A/8.6	A/5.7
Maple Rd, WB	TR	A/8.2	A/6.1
	L	C/21.5	B/15.1
Site Driveway, SB	R	C/30.0	B/17.8
Overall		B/12.3	A/7.2

EB, WB, NB, SB = Eastbound, Westbound, Northbound, and Southbound intersection approaches

L, T, R = Left-turn, Through, and/or Right-turn movements

X / X.X = Level of service / Average delay in seconds per vehicle

As shown in Table 6, the level of service analysis indicates that the intersection will operate favorably under signal control. While a signal warrant analysis was not conducted, it is expected that MUTCD Warrant 3 "Peak-Hour" will be met. It is also expected that the site-generated trips will meet the AASHTO warrant criteria for an exclusive left-turn lane (5 or more peak hour left turns).



4. Conclusion

Based on the results of the traffic impact study completed for the proposed project, the following conclusions are presented:

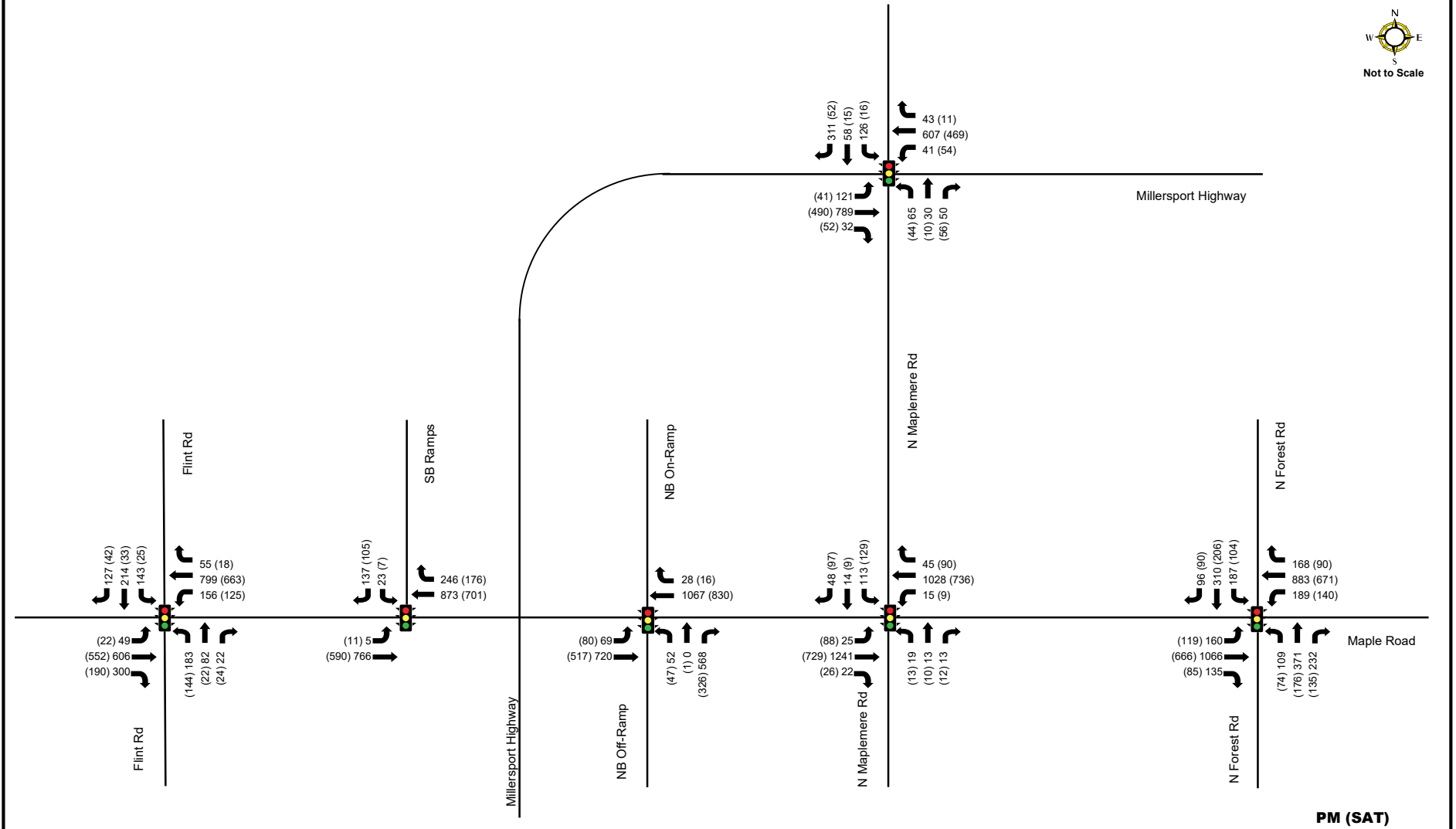
- The proposed project generally consists of an athletic community center comprised of two 125,000 square-foot sports domes that will house a full-size turf football/lacrosse/soccer field, a 200 meter long 6-lane banked track, and six basketball/volleyball/pickleball courts. A two-story, 50,000-square-foot building will connect the two sports domes, and it will be comprised of a 25,000-square-foot fitness center, a 20,000-square-foot core lobby (Locker Room/Restroom), and a 5,000-square-foot space for member amenities (Restaurant/Snack Bar). Lastly, a five-story 150-room hotel will be located on the site to support the proposed development. The project will be supported by +/- 500 parking spaces. Access to the site will be provided via a full-movement driveway on Maple Road. The analysis herein considers the proposed driveway operating under signal control.
- LaBella collected turning movement counts (TMCs) at the study intersections on Thursday, September 11, 2025, and Saturday, September 13, 2025. The counts were conducted during the typical PM and Saturday MD peak periods – 4:00 p.m. to 7:00 p.m. and 11:00 a.m. to 2:00 p.m., respectively. *It should be noted that the University of Buffalo football team had an away game during the Saturday count period. This was done intentionally to avoid capturing abnormal traffic patterns that result from home games.* Based on these counts, the observed network peak hours were 4:30 p.m. to 5:30 p.m. during the weekday PM peak period and 12:15 p.m. to 1:15 p.m. during the weekend Midday peak period.
- To evaluate the impact of the proposed project, traffic projections were prepared for the design year of 2028. It should be noted that this design year was selected to provide a conservative analysis as it is expected that the project will be completed and occupied sooner than 2028. LaBella Associates reviewed the Pending Development Project page on the Town of Amherst website and determined that there are no projects that will have an effect on the study intersections. In addition, historical traffic volume data from the NYSDOT Traffic Viewer was also reviewed. To provide a conservative analysis, a 1.50% annual growth rate was applied to the Existing 2025 traffic volumes and compounded over a three-year period.
- The level of service analysis indicates that the majority of the study intersection will operate at levels of service commensurate to the No-Build condition. Maple Road and NYS Route 263 SB Ramps – The northbound NYS Route 263 approach to the intersection will experience delay during the weekday PM peak hour Build condition. Mitigation could consist of signal timing adjustments. It is recommended that the Maple Road/Site Driveway intersection operate under signal control.

Please contact me at shipp@labellapc.com or at (914) 269-5604 if you have questions on this traffic analysis.

Sincerely,

LaBella Associates

Starke W. Hipp, PE
Traffic Engineer



PM (SAT)



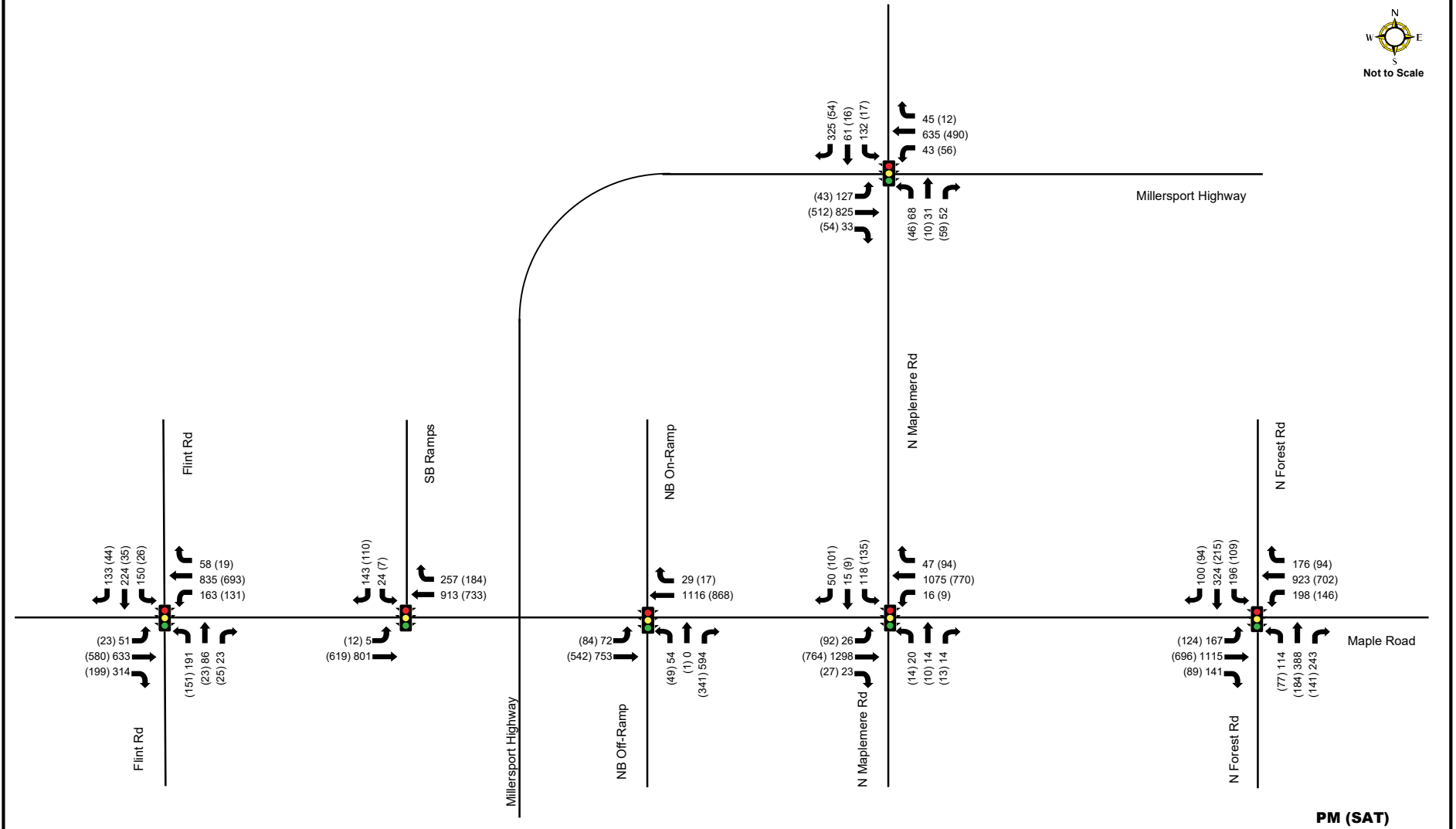
**2025 Existing
Peak Hour Traffic Volumes**

**716 Sports Fieldhouse
Traffic Impact Study**

FIGURE - 1

October 2025

Town of Amherst
Erie County, New York



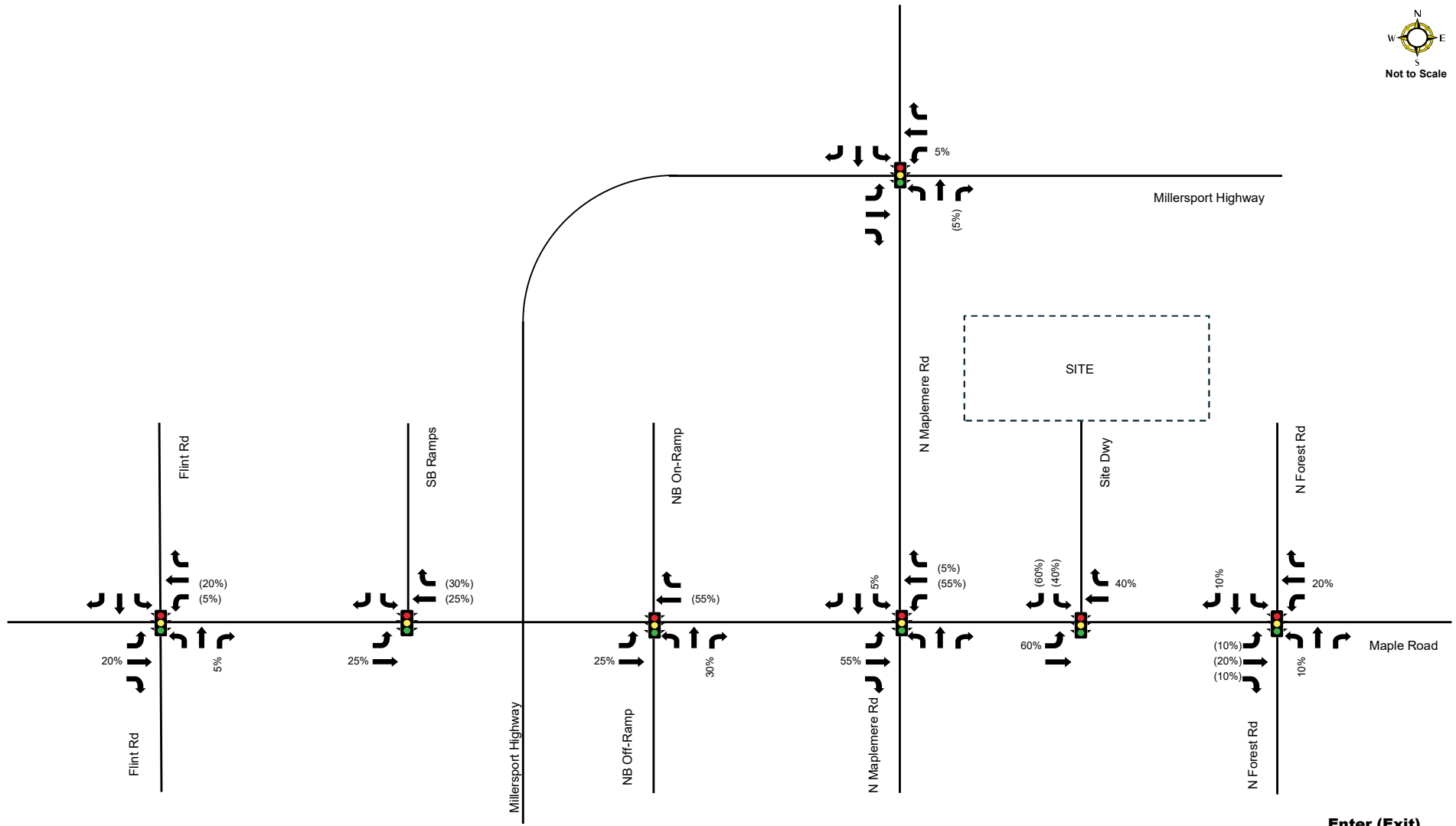
**2028 No-Build
Peak Hour Traffic Volumes**

**716 Sports Fieldhouse
Traffic Impact Study**

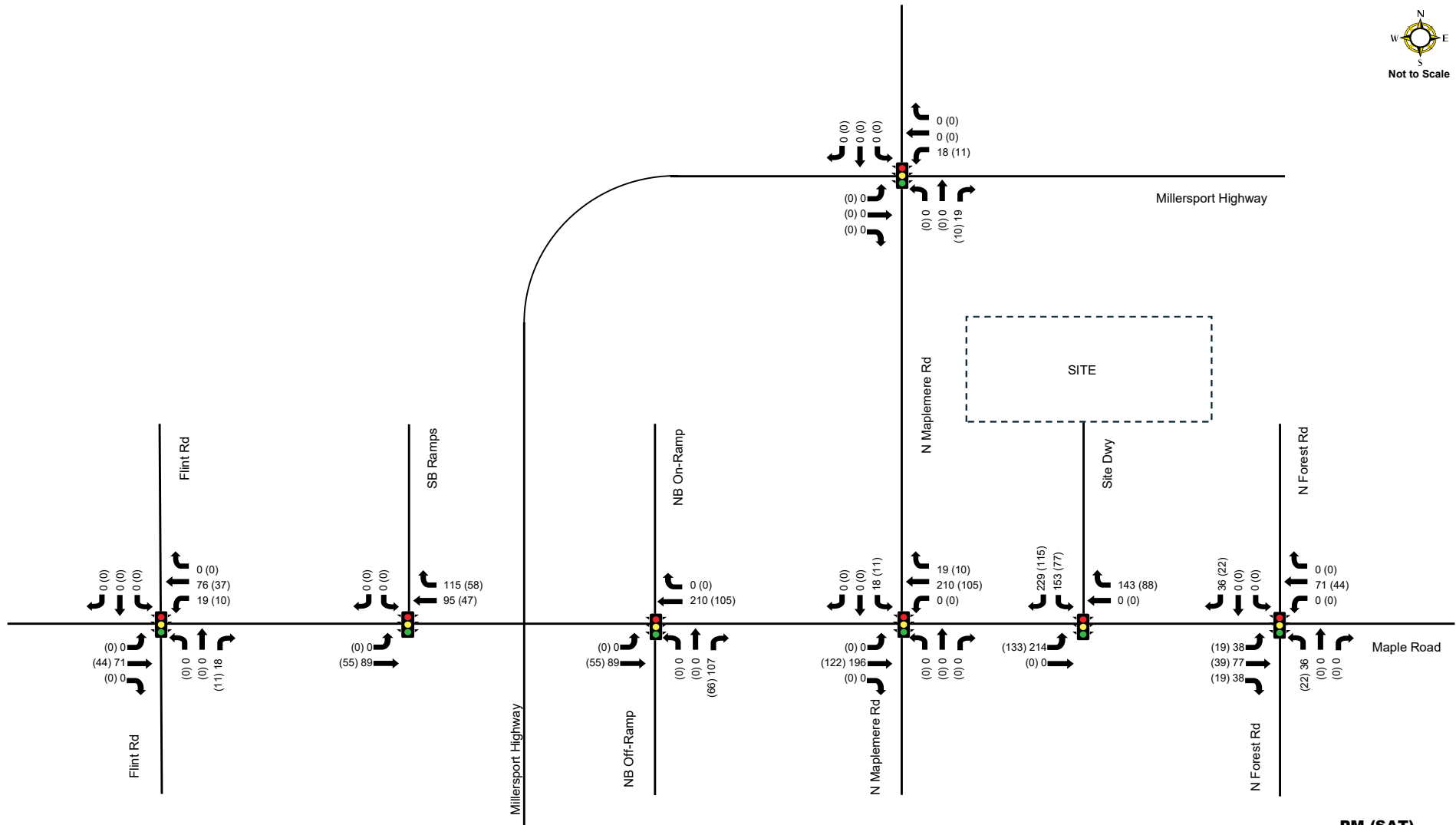
FIGURE - 2

October 2025

Town of Amherst
Erie County, New York



	Trip Distributions		716 Sports Fieldhouse Traffic Impact Study Town of Amherst Erie County, New York
	FIGURE - 3	October 2025	



PM (SAT)



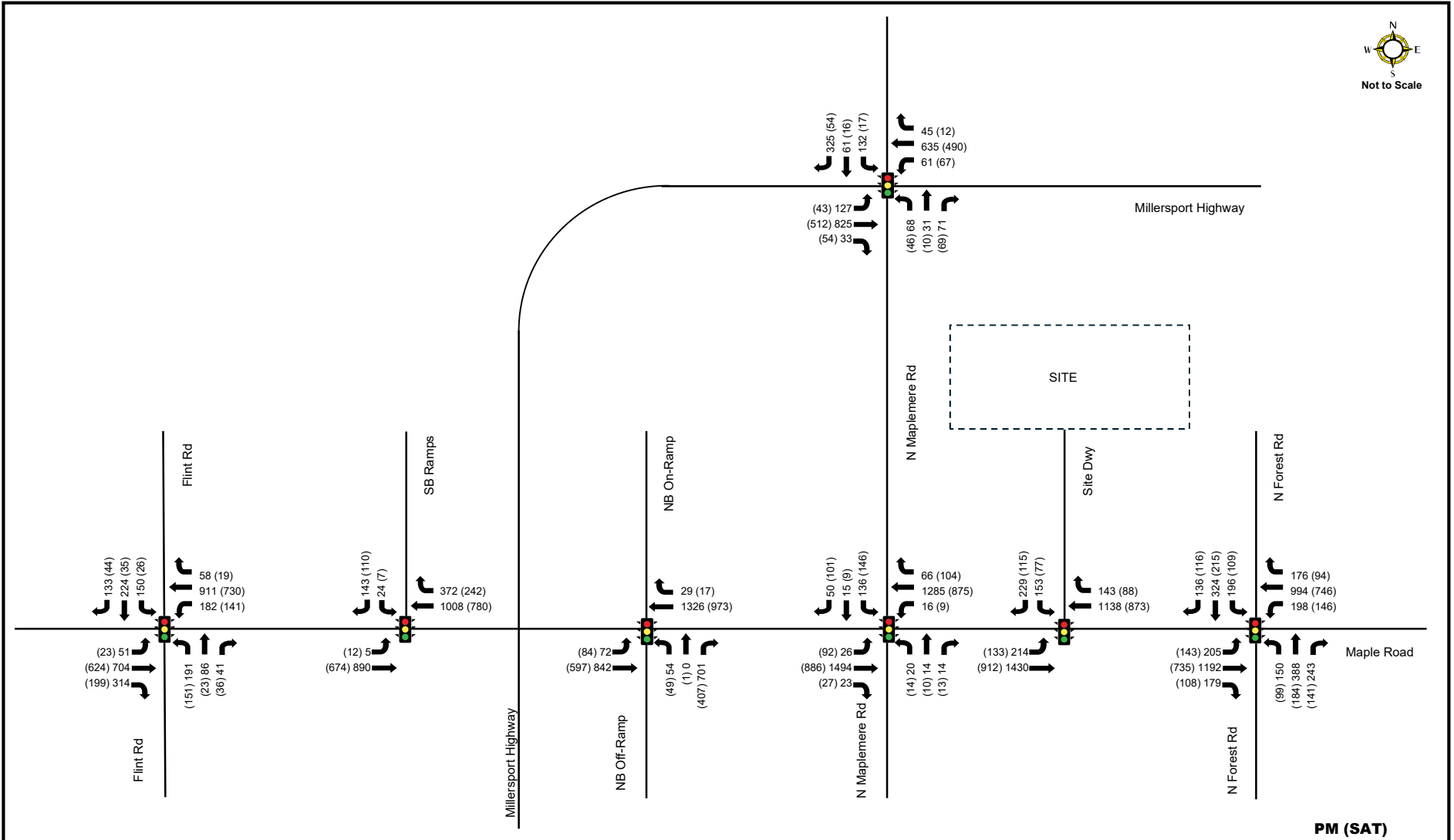
Trip Assignment

**716 Sports Fieldhouse
Traffic Impact Study**

Town of Amherst
Erie County, New York

FIGURE - 4

October 2025



**2028 Build
Peak Hour Traffic Volumes**

**716 Sports Fieldhouse
Traffic Impact Study**

FIGURE - 5

October 2025

Town of Amherst
Erie County, New York



ATTACHMENT A1

NYS DOT SIGNAL TIMINGS

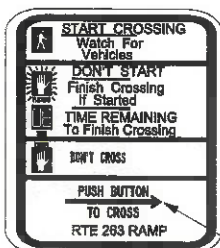
**PROPOSED SPORTS COMPLEX AND HOTEL
TOWN OF AMHERST
ERIE COUNTY, NY**

NYS DOT TRAFFIC SIGNAL #431
MAPLE RD @ RAMP TO/FROM RTE 263

GRID
NORTH



QUANTITY AND ITEM LIST			
SIGNAL 431			
ITEM NO.	DESCRIPTION	UNIT	QTY
206.03060005	CONDUIT EXCAV & BACKFILL (NOT IN ROADWAY)	FT	75
619.1612	MAINTAIN TRAFFIC SIGNAL EQUIP (REQ B)	INT MO	1
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	1
680.520506	CONDUIT, RIGID PLASTIC, CLASS 1, 2"	FT	75
680.6710	SIGNAL POLE - TOP MOUNT (10FT)	EA	2
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	FT	325
680.78010005	ALTER PULLBOX FOR CONDUIT	EA	2
680.79000805	REMOVE TRAFFIC SIGNAL INSTALLATION	EA	1
680.813105	PEDESTRIAN SIGNAL MODULE 12IN, BI-MODAL HAND/MAN	EA	2
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONITE, TYPE 1 12IN	EA	4
680.81330010	AUDIBLE PEDESTRIAN SIGNAL	EA	2
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EA	2
680.81500010	PEDESTRIAN COUNT DOWN TIMER	EA	2



R10-31

NEW PEDESTRIAN SIGNS
SHALL BE SIGN NUMBER R10-31 FROM THE MUTCD.

"RTE 263 RAMP" FOR WA1 & WA2

ARROW MAY FACE LEFT OR RIGHT,
IT IS CONTRACTORS RESPONSIBILITY FOR PROPER ARROW
ORIENTATION.

1.) PULLBOX AND EXISTING CONDUIT LOCATIONS ON PLANS ARE SHOWN BASED ON RECORD
PLANS. ACTUAL FIELD LOCATIONS MAY VARY.

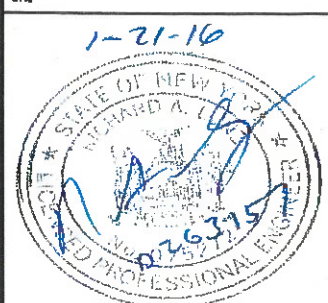
2.) ITEM 680.79000805, "REMOVE TRAFFIC SIGNAL INSTALLATION" SHALL INCLUDE THE
REMOVAL AND STORAGE OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT. ALL EQUIPMENT,
EXCEPT EXISTING PEDESTRIAN SIGNAL POLE AND CABLE, SHALL BE TURNED OVER TO THE
REGION 5 NYS DOT TRAFFIC SIGNAL MAINTENANCE CREW. EXISTING PEDESTRIAN SIGNAL
POLES WILL BECOME THE PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE NOTED,
"REMOVE TRAFFIC SIGNAL INSTALLATION",
ITEM 680.79000805, SHALL INCLUDE:

- ALL EXISTING PEDESTRIAN SIGNAL CABLE
- ALL EXISTING PEDESTRIAN PUSH BUTTONS AND SIGNS
- ALL EXISTING PEDESTRIAN SIGNAL HEADS AND BRACKETS
- ALL EXISTING PEDESTRIAN SIGNAL POLES

AFFIX SEAL:
ON:

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

ADA COMPLIANCE ON VARIOUS ROUTES
ERIE AND NIAGARA COUNTIES

PIN 5808.30

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

CONTRACT NUMBER
D263157

SIGNAL 431 - GENERAL PLAN SHEET

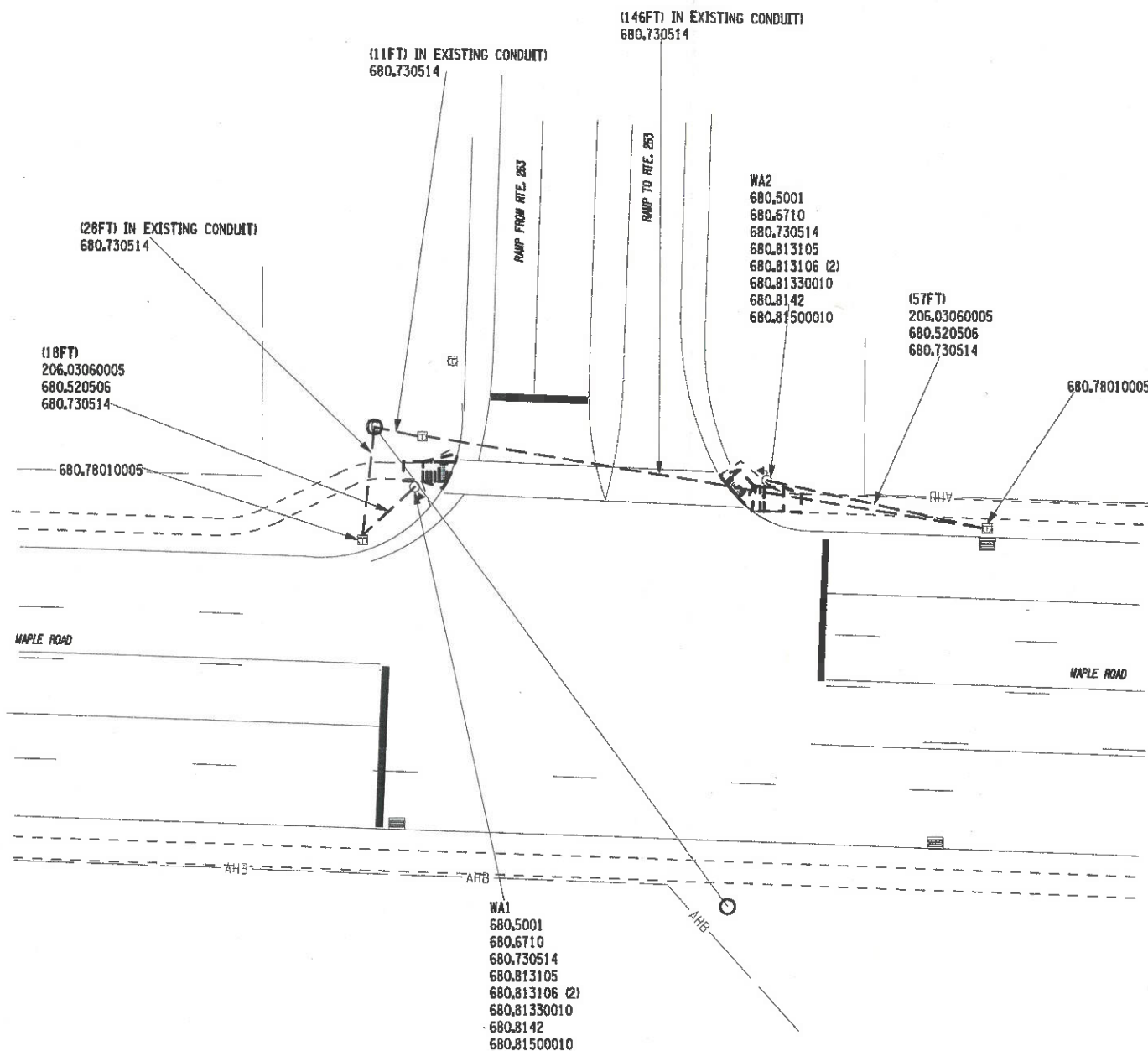
DRAWING NO. 431-1

SHEET NO. 35

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR,
TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR
SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation



FILE NAME = 580830_CPL_SIG431_1.dgn
DATE/TIME = 12-JAN-2016 11:52
USER = PLUNZ

DESIGN SUPERVISOR K. LORENZ

JOB MANAGER M.F. CHRISTNER

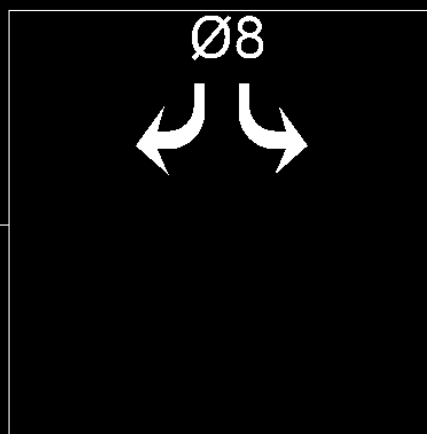
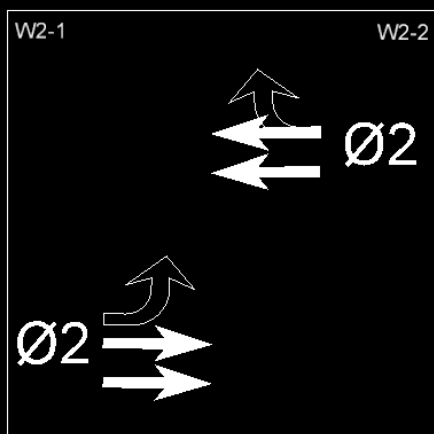
DESIGN K. GORECKI

CHECK R. LUNZ

DRAFTING K. GORECKI

CHECK R. LUNZ

PROJECT MANAGER K. LORENZ



Phasing Diagram displays controller operation for all phases with active detection

Phase Times [1.1.1]									Coordination Patterns [2.4] and Coordination Split Tables [2.7.1]																				53431			
1	2	3	4	5	6	7	8	Pat#	Cyc	Off	Split	Seq	Pat#	Cyc	Off	Split	Seq	Pat#	Cyc	Off	Split	Seq	Pat#	Cyc	Off	Split	Seq					
Min Green		10						6	1	140	20	1	1	13	0	0	13	1	25	0	0	0	1	37	0	0	0	1				
Gap, Ext		4						4	2	150	45	2	1	14	0	0	14	1	26	0	0	0	1	38	0	0	0	1				
Max 1		40						30	3	160	121	3	1	15	0	0	15	1	27	0	0	0	1	39	0	0	0	1				
Max 2									4	130	33	4	1	16	0	0	16	1	28	0	0	0	1	40	0	0	0	1				
Yel Clearance	3.5	4.3	3.5	3.5	3.5	3.5	3.5	4.3	5	140	59	5	1	17	0	0	17	1	29	0	0	0	1	41	0	0	0	1				
Red Clearance	1.5	2	1.5	1.5	1.5	1.5	1.5	1.9	6	140	66	6	1	18	0	0	18	1	30	0	0	0	1	42	0	0	0	1				
Walk		7							7	75	0	7	1	19	0	0	19	1	31	0	0	0	1	43	0	0	0	1				
Ped Clearance		22							8	0	0	8	1	20	0	0	20	1	32	0	0	0	1	44	0	0	0	1				
Red Revert									9	0	0	9	1	21	0	0	21	1	33	0	0	0	1	45	0	0	0	1				
Add Initial									10	0	0	10	1	22	0	0	22	1	34	0	0	0	1	46	0	0	0	1				
Max Initial									11	0	0	11	1	23	0	0	23	1	35	0	0	0	1	47	0	0	0	1				
Time B4 Reduct									12	0	0	12	1	24	0	0	24	1	36	0	0	0	1	48	0	0	0	1				
Cars B4 Reduct									Split		1	2	3	4	5	6	7	8	Split		1	2	3	4	5	6	7	8				
Time To Reduce									1	Coor	0	90	0	50	0	90	0	50	13	Coor	0	0	0	0	0	0	0	0				
Reduce By									2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Min Gap									2	Coor	0	95	0	55	0	95	0	55	14	Coor	0	0	0	0	0	0	0	0				
DyMaxLim									2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Max Step									3	Coor	0	100	0	60	0	100	0	60	15	Coor	0	0	0	0	0	0	0	0				
Options [1.1.2]	1	2	3	4	5	6	7	8	2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Enable		ON						ON	4	Coor	0	80	0	50	0	80	0	50	16	Coor	0	0	0	0	0	0	0	0				
Min Recall		ON							2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Max Recall									5	Coor	0	80	0	60	0	80	0	60	17	Coor	0	0	0	0	0	0	0	0				
Ped Recall									2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Soft Recall									6	Coor	0	80	0	60	0	80	0	60	18	Coor	0	0	0	0	0	0	0	0				
Lock Calls									2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Auto Flash Entry									7	Coor	0	50	0	25	0	50	0	25	19	Coor	0	0	0	0	0	0	0	0				
Auto Flash Exit									2	NON	Max	NON	NON	NON	NON	Max	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Dual Entry		ON		ON		ON		ON	8	Coor	0	0	0	0	0	0	0	0	20	Coor	0	0	0	0	0	0	0	0				
Enable Simul Gap	ON	ON	ON	ON	ON	ON	ON	ON		NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Gaurantee Passage									9	Coor	0	0	0	0	0	0	0	0	21	Coor	0	0	0	0	0	0	0	0				
Rest In Walk										NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Conditon Service									10	Coor	0	0	0	0	0	0	0	0	22	Coor	0	0	0	0	0	0	0	0				
Non-Actuated 1										NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Non-Actuated 2									11	Coor	0	0	0	0	0	0	0	0	23	Coor	0	0	0	0	0	0	0	0				
Add Init Calc										NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Options+ [1.1.3]	1	2	3	4	5	6	7	8	12	Coor	0	0	0	0	0	0	0	0	24	Coor	0	0	0	0	0	0	0	0				
Reservice										NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
PedClr Thru Yel									Page#																				Red Revert	3		
Skip Red No Call									1	8 Phase Times/Options; Patterns/Splits; Ring Startup; Coord/Flash Mode; Unit Param																			MCE Timeout	0		
Red Rest									1A&1B	16 Phase Times/Options; Patterns/Splits; Ring Startup; Coord/Flash Mode; Unit Param																			Feature Profile			
Max II									2	Overlaps; Channel Settings; Coord Alt Table+ (values not associated with time-of-day)																			Free Ring Seq	1		
Call Phase									3	Detection; Sample Time and Unit Parameters related to detection																			Auxswitch	STOPTM		
Conflicting Phase									4	Preemption and Alternate Phase Time and Phase Options																			SDLC Retry	0		
Omit Yellow									5	Annual Schedule																			TS2 Det Faults	ON		
Ped Delay									6	Day Plans; Action Tables; Coord Alt Table+ (values varied by time-of-day)																			Auto Ped Clear	OFF		
Gm/Ped Delay									7	Communications; Secutiry; I/O Setup																			SDLC Retry	0		
53431 263 @ Maple Rd. (West)									8	Misc - Events/Alarms; Call/Inhibit/Redirect; P/OLAP Auto Flash; CIC; Misc Unit Param																			08/22/25		Page 1	

Overlap 1-16 Program Parm+ [1.5.2.1] [1.5.2.2]

Overlap Conflict Lock		OFF		Overlap Lock Inhibit				OFF		Parent Ph Clearance		ON		Extra Included Ph				OFF					
1	Included Ø								Type	NORMAL	9	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
2	Included Ø								Type	NORMAL	10	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
3	Included Ø								Type	NORMAL	11	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
4	Included Ø								Type	NORMAL	12	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
5	Included Ø								Type	NORMAL	13	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
6	Included Ø								Type	NORMAL	14	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
7	Included Ø								Type	NORMAL	15	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
8	Included Ø								Type	NORMAL	16	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			

Channel Settings [1.8.1]

.....Channel ->>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Phase / Olap #		2						8		8						2								
Channel Type	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	PED	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
Channel Flash	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK
Alt Hz																								

Channel+ Settings [1.8.4]

.....Channel ->>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Flash Red+																								
Flash Yellow+																								
Flash Green+																								
Flash Inh Red+																								
Olap Ovr																								

Coord Transition, CoordPhs [2.5]

Pat#	Short	Long	Dwell	No Shortway Ø	E-Yld	Offset	RetHld	Float	Min Veh Perm	Min Ped Perm
1	12	22				EndGRN	ON			ON
2	12	22				EndGRN	ON			ON
3	12	22				EndGRN	ON			ON
4	12	22				EndGRN	ON			ON
5	12	22				EndGRN	ON			ON
6	12	22				EndGRN	ON			ON
7	12	22				EndGRN	ON			ON
8	12	22				EndGRN				
9	12	22				EndGRN				
10	12	22				EndGRN				
11	12	22				EndGRN				
12	12	22				EndGRN				
13	12	22				EndGRN				
14	12	22				EndGRN				
15	12	22				EndGRN				
16	12	22				EndGRN				
17	12	22				EndGRN				
18	12	22				EndGRN				
19	12	22				EndGRN				
20	12	22				EndGRN				
21	12	22				EndGRN				
22	12	22				EndGRN				
23	12	22				EndGRN				
24	12	22				EndGRN				
25						BegGRN				
26						BegGRN				
27						BegGRN				
28						BegGRN				
29						BegGRN				
30						BegGRN				
31						BegGRN				
32						BegGRN				
33						BegGRN				
34						BegGRN				
35						BegGRN				
36						BegGRN				
37						BegGRN				
38						BegGRN				
39						BegGRN				
40						BegGRN				
41						BegGRN				
42						BegGRN				
43						BegGRN				
44						BegGRN				
45						BegGRN				
46						BegGRN				
47						BegGRN				
48						BegGRN				

Channel Params[1.8.3]

C1 IO Mode User Single BIU MapDEFAULT Invert Rail Input OFF

Veh Par 1-64 [5.1]										Veh Par 1-64 [5.1]										Vehicle Options 1-64 [5.2]										Vehicle Options 1-64 [5.2]										Parameters+ 1-64 [5.3]									
Det #	Call Ø	Swi Ø	Dlay	Ext	Que	No Act	Max Pres	Err Cnt	Fail Time	Det #	Call Ø	Swi Ø	Dlay	Ext	Que	No Act	Max Pres	Err Cnt	Fail Time	Det #	Call	Ext	Que	Add Init	Red Lock	Yell Lock	occ	vol	Det #	vol	occ	Yell Lock	Red Lock	Ext	Add Init	Que	Call	Det #	oc G	oc Y	oc R	Dlay 1	Dlay 2	Type					
1	2		5				45	50	2	33							45	50		1	ON	ON		ON					33					ON	ON		ON	1							NORM				
2	2		5				45	50	2	34							45	50		2	ON	ON		ON					34					ON	ON		ON	2							NORM				
3	2		5				45	50	2	35							45	50		3	ON	ON		ON					35					ON	ON		ON	3							NORM				
4	2						45	50	2	36							45	50		4	ON	ON		ON					36					ON	ON		ON	4							NORM				
5	8						45	50	2	37							45	50		5	ON	ON		ON					37					ON	ON		ON	5							NORM				
6	8						45	50	2	38							45	50		6	ON	ON		ON					38					ON	ON		ON	6							NORM				
7							45	50	2	39							45	50		7	ON	ON		ON					39					ON	ON		ON	7							NORM				
8							45	50	2	40							45	50		8	ON	ON		ON					40					ON	ON		ON	8							NORM				
9							45	50	2	41							45	50		9	ON	ON		ON					41					ON	ON		ON	9							NORM				
10							45	50	2	42							45	50		10	ON	ON		ON					42					ON	ON		ON	10							NORM				
11							45	50	2	43							45	50		11	ON	ON		ON					43					ON	ON		ON	11							NORM				
12							45	50	2	44							45	50		12	ON	ON		ON					44					ON	ON		ON	12							NORM				
13							45	50	2	45							45	50		13	ON	ON		ON					45					ON	ON		ON	13							NORM				
14							45	50	2	46							45	50		14	ON	ON		ON					46					ON	ON		ON	14							NORM				
15							45	50	2	47							45	50		15	ON	ON		ON					47					ON	ON		ON	15							NORM				
16							45	50	2	48							45	50		16	ON	ON		ON					48					ON	ON		ON	16							NORM				
17							45	50	2	49							45	50		17	ON	ON		ON					49					ON	ON		ON	17							NORM				
18							45	50	2	50							45	50		18	ON	ON		ON					50					ON	ON		ON	18							NORM				
19							45	50		51							45	50		19	ON	ON		ON					51					ON	ON		ON	19							NORM				
20							45	50		52							45	50		20	ON	ON		ON					52					ON	ON		ON	20							NORM				
21							45	50		53							45	50		21	ON	ON		ON					53					ON	ON		ON	21							NORM				
22							45	50		54							45	50		22	ON	ON		ON					54					ON	ON		ON	22							NORM				
23							45	50		55							45	50		23	ON	ON		ON					55					ON	ON		ON	23							NORM				
24							45	50		56							45	50		24	ON	ON		ON					56					ON	ON		ON	24							NORM				
25							45	50		57							45	50		25	ON	ON		ON					57					ON	ON		ON	25							NORM				
26							45	50		58							45	50		26	ON	ON		ON					58					ON	ON		ON	26							NORM				
27							45	50		59							45	50		27	ON	ON		ON					59					ON	ON		ON	27							NORM				
28							45	50		60							45	50		28	ON	ON		ON					60					ON	ON		ON	28							NORM				
29							45	50		61							45	50		29	ON	ON		ON					61					ON	ON		ON	29							NORM				
30							45	50		62							45	50		30	ON	ON		ON					62					ON	ON		ON	30							NORM				
31							45	50		63							45	50		31	ON	ON		ON					63					ON	ON		ON	31							NORM				
32							45	50		64							45	50		32	ON	ON		ON					64					ON	ON		ON	32							NORM				

Parameters+ 1-64 [5.3]

Det #	occ Grn	occ Yell	occ Red	Dlay 1	Dlay 2	Type	Src	Det #	occ Grn	occ Yell	occ Red	Dlay 1	Dlay 2	Type	Src	Det #	occ Grn	occ Yell	occ Red	Dlay 1	Dlay 2	Type	Src
33						NORM		44						NORM		55						NORM	
34						NORM		45						NORM		56						NORM	
35						NORM		46						NORM		57						NORM	
36						NORM		47						NORM		58						NORM	
37						NORM		48						NORM		59						NORM	
38						NORM		49						NORM		60						NORM	
39						NORM		50						NORM		61						NORM	
40						NORM		51						NORM		62						NORM	
41						NORM		52						NORM		63						NORM	
42						NORM		53						NORM		64						NORM	
43						NORM		54						NORM		#### 263 @ Maple Rd. (West)							

Ped Det Parms [5.4]

Det #	Call Ø	No Act	Max Pres	Err Cnt
1			15	
2			15	
3	2		15	
4			15	
5			15	
6			15	
7			15	
8			15	

Unit Paramters [1.2.1]

TS2 Det Faults	
Vol/Occ Report Parm [1.5.8]	
Vol/Occ Period Minutes	
Vol/Occ Period Minutes	

[illegible]

Annual Schedule [4.3]												Month of Year							Day of Week							Date																															Day Plan	Link To
1	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1							
1	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON								ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	1					
2	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	2							
3	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON								ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	3				
4	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1							
5	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1							
6	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1							
7	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1							
8	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1							
9	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1							
10	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1							
11	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1							
12	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7</																																

[illegible]

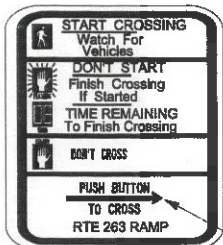
NYSOT TRAFFIC SIGNAL#432
MAPLE RD @ RAMP FROM RTE 263

GRID
NORTH



QUANTITY AND ITEM LIST

SIGNAL 432			
ITEM NO.	DESCRIPTION	UNIT	QTY
206.03050005	CONDUIT EXCAV & BACKFILL (IN ROADWAY)	FT	63
206.03060005	CONDUIT EXCAV & BACKFILL (NOT IN ROADWAY)	FT	190
619.1612	MAINTAIN TRAFFIC SIGNAL EQUIP (REQ. B)	INT MO	1
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CY	2
680.51000105	ALTER ELEVATION OF PULLBOX	EA	1
680.50500005	REMOVE POLE FOUNDATION	EA	2
680.510301	PULLBOX-CIRC., 24" DIA, REINF. CONC.	EA	1
680.520506	CONDUIT, RIGID PLASTIC, CLASS 1, 2"	FT	253
680.6710	SIGNAL POLE - TOP MOUNT (10FT)	EA	4
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	FT	938
680.78010005	ALTER PULLBOX FOR CONDUIT	EA	5
680.79000905	REMOVE TRAFFIC SIGNAL INSTALLATION	EA	1
680.813105	PEDESTRIAN SIGNAL MODULE 12IN, BI-MODAL HAND/MAN	EA	4
680.813106	PEDESTRIAN SIGNAL SECTION - POLYCARBONITE, TYPE 1 12IN	EA	8
680.81330010	AUDIBLE PEDESTRIAN SIGNAL	EA	4
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EA	4
680.81500010	PEDESTRIAN COUNT DOWN TIMER	EA	4



R10-31

NEW PEDESTRIAN SIGNS
SHALL BE SIGN NUMBER R10-31 FROM THE MUTCD.

"RTE 263 RAMP" FOR WA1, WA2, WA3 & WA4

ARROW MAY FACE LEFT OR RIGHT,
IT IS CONTRACTOR'S RESPONSIBILITY FOR PROPER ARROW
ORIENTATION.

1J PULLBOX AND EXISTING CONDUIT LOCATIONS ON PLANS ARE SHOWN BASED ON RECORD
PLANS. ACTUAL FIELD LOCATIONS MAY VARY.

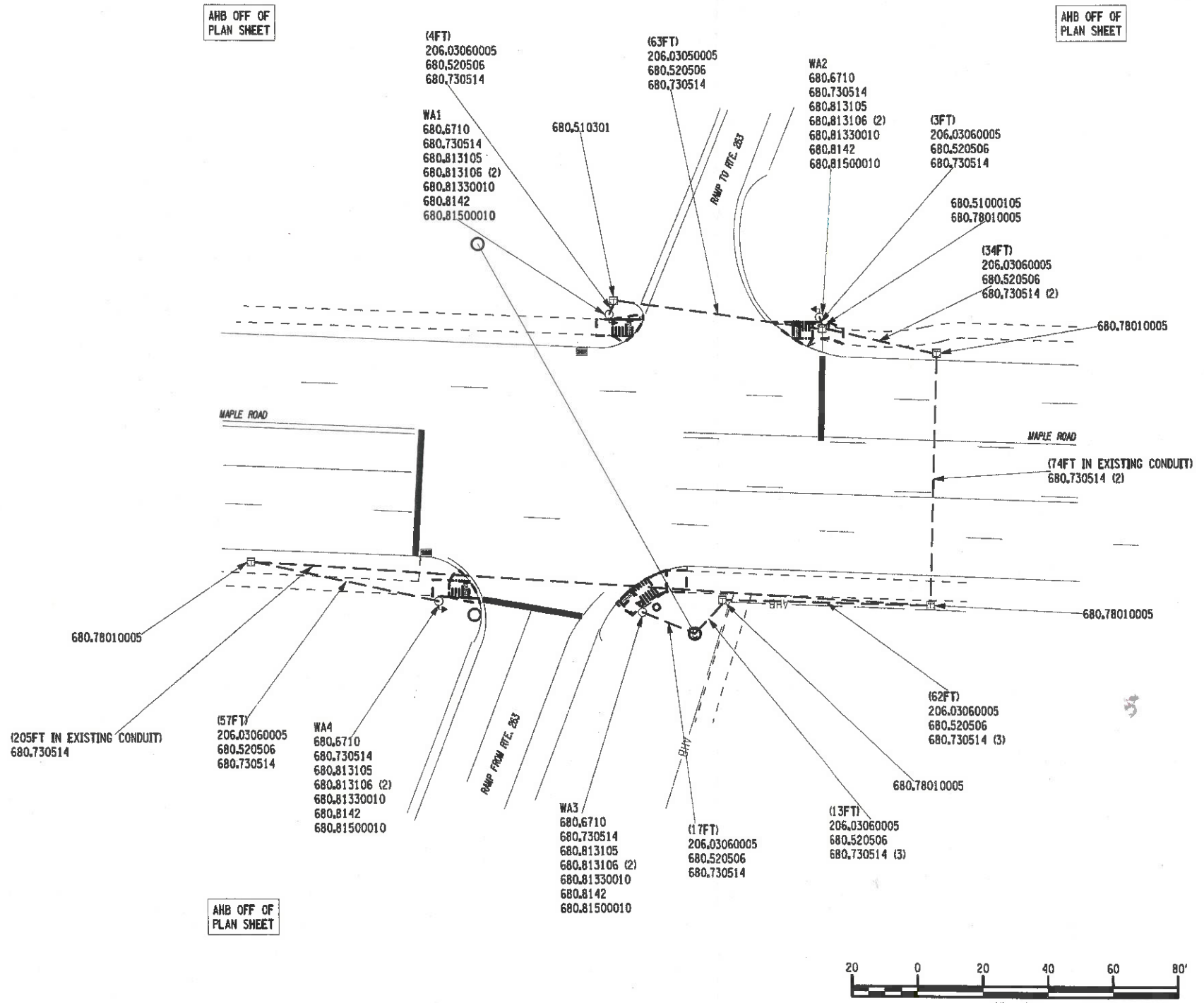
2J ITEM 680.79000905, "REMOVE TRAFFIC SIGNAL INSTALLATION" SHALL INCLUDE THE
REMOVAL AND STORAGE OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT. ALL EQUIPMENT,
EXCEPT EXISTING PEDESTRIAN SIGNAL POLE AND CABLE, SHALL BE TURNED OVER TO THE
REGION 5 NYSOT TRAFFIC SIGNAL MAINTENANCE CREW. EXISTING PEDESTRIAN SIGNAL
POLES WILL BECOME THE PROPERTY OF THE CONTRACTOR.

UNLESS OTHERWISE NOTED,
"REMOVE TRAFFIC SIGNAL INSTALLATION",
ITEM 680.79000905, SHALL INCLUDE:

- ALL EXISTING PEDESTRIAN SIGNAL CABLE
- ALL EXISTING PEDESTRIAN PUSH BUTTONS AND SIGNS
- ALL EXISTING PEDESTRIAN SIGNAL HEADS AND BRACKETS
- ALL EXISTING PEDESTRIAN SIGNAL POLES

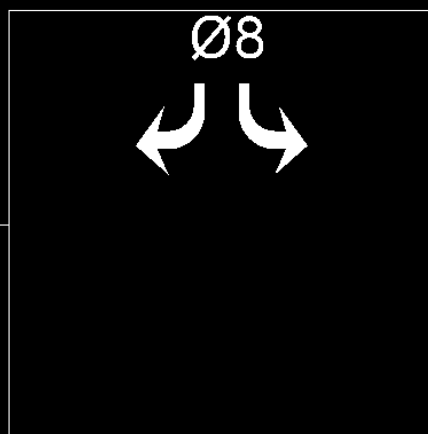
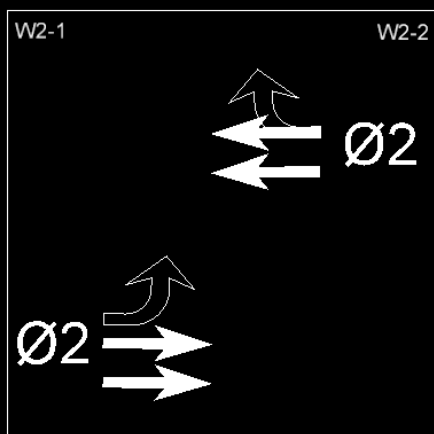
AFFIX SEAL: ON:	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	ADA COMPLIANCE ON VARIOUS ROUTES ERIE AND NIAGARA COUNTIES	PIN 5808.30	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED SIGNAL 432 - GENERAL PLAN SHEET	CONTRACT NUMBER D263157
	COUNTY: VARIOUS REGION: 5					DRAWING NO. 432-1 SHEET NO. 36
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						
						NEW YORK STATE OF TRANSPORTATION Department of Transportation



PROJECT MANAGER K. LORENZ
CHECK R. LINZ
DRAFTING K. GORECKI
CHECK R. LINZ
DESIGN K. GORECKI
JOB MANAGER M.F. CHRISTNER
DESIGN SUPERVISOR K. LORENZ

FILE NAME = 580830.CPH_SIG432-1.dgn
DATE/TIME = 12-JAN-2016 11:32
USER = rlinz



Phasing Diagram displays controller operation for all phases with active detection

Phase Times [1.1.1]									Coordination Patterns [2.4] and Coordination Split Tables [2.7.1]																				53432			
	1	2	3	4	5	6	7	8	Pat#	Cyc	Off	Split	Seq	Pat#	Cyc	Off	Split	Seq	Pat#	Cyc	Off	Split	Seq	Pat#	Cyc	Off	Split	Seq				
Min Green		20		6					1	140	12	1	1	13	0	0	13	1	25	0	0	0	1	37	0	0	0	1	Ring/Startup [1.1.4] PhsRingStartEnable 11RedOFF 21RedON 31RedOFF 41RedON 52RedOFF 62RedOFF 72RedOFF 82RedOFF			
Gap, Ext		4		2					2	150	35	2	1	14	0	0	14	1	26	0	0	0	1	38	0	0	0	1				
Max 1		40		30					3	160	80	3	1	15	0	0	15	1	27	0	0	0	1	39	0	0	0	1				
Max 2									4	130	39	4	1	16	0	0	16	1	28	0	0	0	1	40	0	0	0	1				
Yel Clearance	3.5	4.3	3.5	4.3	3.5	3.5	3.5	3.5	5	140	43	5	1	17	0	0	17	1	29	0	0	0	1	41	0	0	0	1				
Red Clearance	1.5	1.7	1.5	1.9	1.5	1.5	1.5	1.5	6	140	67	6	1	18	0	0	18	1	30	0	0	0	1	42	0	0	0	1				
Walk		7							7	0	0	7	1	19	0	0	19	1	31	0	0	0	1	43	0	0	0	1				
Ped Clearance		16							8	0	0	8	1	20	0	0	20	1	32	0	0	0	1	44	0	0	0	1				
Red Revert									9	0	0	9	1	21	0	0	21	1	33	0	0	0	1	45	0	0	0	1				
Add Initial									10	0	0	10	1	22	0	0	22	1	34	0	0	0	1	46	0	0	0	1				
Max Initial									11	0	0	11	1	23	0	0	23	1	35	0	0	0	1	47	0	0	0	1				
Time B4 Reduct									12	0	0	12	1	24	0	0	24	1	36	0	0	0	1	48	0	0	0	1				
Cars B4 Reduct									Split		1	2	3	4	5	6	7	8	Split		1	2	3	4	5	6	7	8				
Time To Reduce									1	Coor	0	74	0	66	0	0	0	0	13	Coor	0	0	0	0	0	0	0	0	Coord Modes [2.1] Test OpMode0 CorrectionSHRT/LNG MaximumMAX 1 Force-OffFIXED Closed LoopON Stop-in-WalkON Auto ResetON Expand Splt Ped RecycleNO_RECYCLE BeforeTIMED AfterTIMED			
Reduce By									2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Min Gap									2	Coor	0	85	0	65	0	0	0	0	14	Coor	0	0	0	0	0	0	0	0				
DyMaxLim									2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Max Step									3	Coor	0	90	0	70	0	0	0	0	15	Coor	0	0	0	0	0	0	0	0				
Options [1.1.2]	1	2	3	4	5	6	7	8	2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Enable		ON		ON					4	Coor	0	65	0	65	0	0	0	0	16	Coor	0	0	0	0	0	0	0	0				
Min Recall		ON							2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Max Recall									5	Coor	0	80	0	60	0	0	0	0	17	Coor	0	0	0	0	0	0	0	0				
Ped Recall									2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Soft Recall									6	Coor	0	72	0	68	0	0	0	0	18	Coor	0	0	0	0	0	0	0	0				
Lock Calls									2	NON	Max	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Auto Flash Entry									7	Coor	0	0	0	0	0	0	0	0	19	Coor	0	0	0	0	0	0	0	0	Auto Flash [1.4.1] Auto FlashPH_OVLP Flash Yel45 Flash Red20			
Auto Flash Exit										NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Dual Entry		ON		ON		ON		ON	8	Coor	0	0	0	0	0	0	0	0	20	Coor	0	0	0	0	0	0	0	0				
Enable Simul Gap	ON	ON	ON	ON	ON	ON	ON	ON		NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Gaurantee Passage									9	Coor	0	0	0	0	0	0	0	0	21	Coor	0	0	0	0	0	0	0	0	Unit Params [1.2.1] Phase ModeSTD8 IO ModeUser Loc Flsh StartRed Start Flash(s)0 Start AllRed(s)6 Yellow < 3"OFF Display Time20			
Rest In Walk										NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Conditon Service									10	Coor	0	0	0	0	0	0	0	0	22	Coor	0	0	0	0	0	0	0	0				
Non-Actuated 1										NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Non-Actuated 2									11	Coor	0	0	0	0	0	0	0	0	23	Coor	0	0	0	0	0	0	0	0				
Add Init Calc										NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
Options+ [1.1.3]	1	2	3	4	5	6	7	8	12	Coor	0	0	0	0	0	0	0	0	24	Coor	0	0	0	0	0	0	0	0				
Reservice										NON	NON	NON	NON	NON	NON	NON	NON	NON		NON	NON	NON	NON	NON	NON	NON	NON					
PedClr Thru Yel									Page#																				Red Revert	3		
Skip Red No Call									1	8 Phase Times/Options; Patterns/Splits; Ring Startup; Coord/Flash Mode; Unit Param																			MCE Timeout	0		
Red Rest									1A&1B	16 Phase Times/Options; Patterns/Splits; Ring Startup; Coord/Flash Mode; Unit Param																			Feature Profile			
Max II									2	Overlaps; Channel Settings; Coord Alt Table+ (values not associated with time-of-day)																			Free Ring Seq	1		
Call Phase									3	Detection; Sample Time and Unit Parameters related to detection																			Auxswitch	STOPTM		
Conflicting Phase									4	Preemption and Alternate Phase Time and Phase Options																			SDLC Retry	0		
Omit Yellow									5	Annual Schedule																			TS2 Det Faults	ON		
Ped Delay									6	Day Plans; Action Tables; Coord Alt Table+ (values varied by time-of-day)																			Auto Ped Clear	OFF		
Gm/Ped Delay									7	Communications; Secutiry; I/O Setup																			SDLC Retry	0		
53432 263 @ Maple Rd (East)									8	Misc - Events/Alarms; Call/Inhibit/Redirect; P/OLAP Auto Flash; CIC; Misc Unit Param																			08/22/25Page 1			

Overlap 1-16 Program Parm+ [1.5.2.1] [1.5.2.2]

Overlap Conflict Lock		OFF		Overlap Lock Inhibit				OFF		Parent Ph Clearance		ON		Extra Included Ph				OFF					
1	Included Ø								Type	NORMAL	9	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
2	Included Ø								Type	NORMAL	10	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
3	Included Ø								Type	NORMAL	11	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
4	Included Ø								Type	NORMAL	12	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
5	Included Ø								Type	NORMAL	13	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
6	Included Ø								Type	NORMAL	14	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
7	Included Ø								Type	NORMAL	15	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			
8	Included Ø								Type	NORMAL	16	Included Ø								Type	NORMAL		
	Modifier Ø								Grn			Modifier Ø								Grn			
	Conflict Ø								Yel	3.5		Conflict Ø								Yel	3.5		
	Conflict Olap								Red	1.5		Conflict Olap								Red	1.5		
	Conflict Ped								LG			Conflict Ped								LG			

Channel Settings [1.8.1]

.....Channel ->>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Phase / Olap #		2		4									2		2									
Channel Type	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	PED	VEH	PED	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
Channel Flash	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK
Alt Hz																								

Channel+ Settings [1.8.4]

.....Channel ->>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Flash Red+																								
Flash Yellow+																								
Flash Green+																								
Flash Inh Red+																								
Olap Ovr																								

Coord Transition, CoordPhs [2.5]

Pat#	Short	Long	Dwell	No Shortway Ø	E-Yld	Offset	RetHld	Float	Min Veh Perm	Min Ped Perm
1	12	22				EndGRN	ON			ON
2	12	22				EndGRN	ON			ON
3	12	22				EndGRN	ON			ON
4	12	22				EndGRN	ON			ON
5	12	22				EndGRN	ON			ON
6	12	22				EndGRN	ON			ON
7	12	22				EndGRN				
8	12	22				EndGRN				
9	12	22				EndGRN				
10	12	22				EndGRN				
11	12	22				EndGRN				
12	12	22				EndGRN				
13	12	22				EndGRN				
14	12	22				EndGRN				
15	12	22				EndGRN				
16	12	22				EndGRN				
17	12	22				EndGRN				
18	12	22				EndGRN				
19	12	22				EndGRN				
20	12	22				EndGRN				
21	12	22				EndGRN				
22	12	22				EndGRN				
23	12	22				EndGRN				
24	12	22				EndGRN				
25						BegGRN				
26						BegGRN				
27						BegGRN				
28						BegGRN				
29						BegGRN				
30						BegGRN				
31						BegGRN				
32						BegGRN				
33						BegGRN				
34						BegGRN				
35						BegGRN				
36						BegGRN				
37						BegGRN				
38						BegGRN				
39						BegGRN				
40						BegGRN				
41						BegGRN				
42						BegGRN				
43						BegGRN				
44						BegGRN				
45						BegGRN				
46						BegGRN				
47						BegGRN				
48						BegGRN				

Channel Params[1.8.3]

C1 IO Mode User Single BIU MapDEFAULT Invert Rail Input OFF

Veh Par 1-64 [5.1]										Veh Par 1-64 [5.1]										Vehicle Options 1-64 [5.2]										Vehicle Options 1-64 [5.2]										Parameters+ 1-64 [5.3]									
Det #	Call Ø	Swi Ø	Dlay	Ext	Que	No Act	Max Pres	Err Cnt	Fail Time	Det #	Call Ø	Swi Ø	Dlay	Ext	Que	No Act	Max Pres	Err Cnt	Fail Time	Det #	Call	Ext	Que	Add Init	Red Lock	Yell Lock	occ	vol	Det #	vol	occ	Yell Lock	Red Lock	Ext	Add Init	Que	Call	Det #	oc G	oc Y	oc R	Dlay 1	Dlay 2	Type					
1	2						45	50	2	33							45	50		1	ON	ON		ON					33					ON	ON		ON	1							NORM				
2	2						45	50	2	34							45	50		2	ON	ON		ON					34					ON	ON		ON	2								NORM			
3	2						45	50	2	35							45	50		3	ON	ON		ON					35					ON	ON		ON	3								NORM			
4	2						45	50	2	36							45	50		4	ON	ON		ON					36					ON	ON		ON	4								NORM			
5	4						45	50	2	37							45	50		5	ON	ON		ON					37					ON	ON		ON	5								NORM			
6	4						45	50	2	38							45	50		6	ON	ON		ON					38					ON	ON		ON	6								NORM			
7							45	50	2	39							45	50		7	ON	ON		ON					39					ON	ON		ON	7								NORM			
8							45	50	2	40							45	50		8	ON	ON		ON					40					ON	ON		ON	8								NORM			
9							45	50	2	41							45	50		9	ON	ON		ON					41					ON	ON		ON	9								NORM			
10							45	50	2	42							45	50		10	ON	ON		ON					42					ON	ON		ON	10								NORM			
11							45	50	2	43							45	50		11	ON	ON		ON					43					ON	ON		ON	11								NORM			
12							45	50	2	44							45	50		12	ON	ON		ON					44					ON	ON		ON	12								NORM			
13							45	50	2	45							45	50		13	ON	ON		ON					45					ON	ON		ON	13								NORM			
14							45	50	2	46							45	50		14	ON	ON		ON					46					ON	ON		ON	14								NORM			
15							45	50	2	47							45	50		15	ON	ON		ON					47					ON	ON		ON	15								NORM			
16							45	50	2	48							45	50		16	ON	ON		ON					48					ON	ON		ON	16								NORM			
17							45	50	2	49							45	50		17	ON	ON		ON					49					ON	ON		ON	17								NORM			
18							45	50	2	50							45	50		18	ON	ON		ON					50					ON	ON		ON	18								NORM			
19							45	50		51							45	50		19	ON	ON		ON					51					ON	ON		ON	19								NORM			
20							45	50		52							45	50		20	ON	ON		ON					52					ON	ON		ON	20								NORM			
21							45	50		53							45	50		21	ON	ON		ON					53					ON	ON		ON	21								NORM			
22							45	50		54							45	50		22	ON	ON		ON					54					ON	ON		ON	22								NORM			
23							45	50		55							45	50		23	ON	ON		ON					55					ON	ON		ON	23								NORM			
24							45	50		56							45	50		24	ON	ON		ON					56					ON	ON		ON	24								NORM			
25							45	50		57							45	50		25	ON	ON		ON					57					ON	ON		ON	25								NORM			
26							45	50		58							45	50		26	ON	ON		ON					58					ON	ON		ON	26								NORM			
27							45	50		59							45	50		27	ON	ON		ON					59					ON	ON		ON	27								NORM			
28							45	50		60							45	50		28	ON	ON		ON					60					ON	ON		ON	28								NORM			
29							45	50		61							45	50		29	ON	ON		ON					61					ON	ON		ON	29								NORM			
30							45	50		62							45	50		30	ON	ON		ON					62					ON	ON		ON	30								NORM			
31							45	50		63							45	50		31	ON	ON		ON					63					ON	ON		ON	31								NORM			
32							45	50		64							45	50		32	ON	ON		ON					64					ON	ON		ON	32								NORM			

Parameters+ 1-64 [5.3]

Det #	occ Grn	occ Yell	occ Red	Dlay 1	Dlay 2	Type	Src	Det #	occ Grn	occ Yell	occ Red	Dlay 1	Dlay 2	Type	Src	Det #	occ Grn	occ Yell	occ Red	Dlay 1	Dlay 2	Type	Src
33						NORM		44						NORM		55						NORM	
34						NORM		45						NORM		56						NORM	
35						NORM		46						NORM		57						NORM	
36						NORM		47						NORM		58						NORM	
37						NORM		48						NORM		59						NORM	
38						NORM		49						NORM		60						NORM	
39						NORM		50						NORM		61						NORM	
40						NORM		51						NORM		62						NORM	
41						NORM		52						NORM		63						NORM	
42						NORM		53						NORM		64						NORM	
43						NORM		54						NORM		#### 263 @ Maple Rd (East)							

Ped Det Parm [5.4]

Det #	Call Ø	No Act	Max Pres	Err Cnt
1	2		15	
2			15	
3	2		15	
4			15	
5			15	
6			15	
7			15	
8			15	

Unit Paramters [1.2.1]

TS2 Det Faults	
Vol/Occ Report Parm [1.5.8]	
Vol/Occ Period Minutes	
Vol/Occ Period Minutes	

[illegible]

Annual Schedule [4.3]												Month of Year												Day of Week							Date																															Day	Link
	J	F	M	A	M	J	J	A	S	O	N	D		S	M	T	W	T	F	S		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Plan	To									
1	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON			ON	ON	ON	ON	ON			ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	1									
2	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON							ON																																	2										
3																																																					1										
4																																																					1										
5																																																					1										
6																																																					1										
7																																																					1										
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19																																																					1										
20																																																					1										
21																																																					1										
22																																																					1										
23																																																															

Day Plans [4.4]																		Action Table [4.5]																Coord Alternate Tables - Pat+ [2.6]																												
Day Plan 1				Day Plan 2				Day Plan 3																				Overlap Off																																		
	Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act	Act#	Pat#	A1	A2	A3	S1	S2	S3	S4	S5	S6	S7	S8	Pat#	ØOpt	ØTime	DetG	Call Inh	CIC	CNA1	1	2	3	4	5	6	7	8	Dia	Max2													
1	7	0	1	9	0	0	0	1	7	0	4	9	0	0	0	1	0	0	0	9	1												1		1															DFT												
2	10	0	2	10	0	0	0	2	10	0	5	10	0	0	0	2	0	0	0	10	2												2		1																DFT											
3	16	0	3	11	0	0	0	3	16	0	6	11	0	0	0	3	0	0	0	11	3												3	1	1																	DFT										
4	20	0	25	12	0	0	0	4	20	0	25	12	0	0	0	4	0	0	0	12	4												4		1																	DFT										
5	0	0	0	13	0	0	0	5	0	0	0	13	0	0	0	5	0	0	0	13	5												5		1																	DFT										
6	0	0	0	14	0	0	0	6	0	0	0	14	0	0	0	6	0	0	0	14	6												6	1	1																	DFT										
7	0	0	0	15	0	0	0	7	0	0	0	15	0	0	0	7	0	0	0	15	7												7																				DFT									
8	0	0	0	16	0	0	0	8	0	0	0	16	0	0	0	8	0	0	0	16	8												8																					DFT								
Day Plan 4				Day Plan 5				Day Plan 6				9	9																	9																	DFT															
	Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act	10	10																	10																	DFT							
1	0	0	0	9	0	0	0	1	0	0	0	9	0	0	0	1	0	0	0	9	11													11																					DFT							
2	0	0	0	10	0	0	0	2	0	0	0	10	0	0	0	2	0	0	0	10	12													12																					DFT							
3	0	0	0	11	0	0	0	3	0	0	0	11	0	0	0	3	0	0	0	11	13													13																					DFT							
4	0	0	0	12	0	0	0	4	0	0	0	12	0	0	0	4	0	0	0	12	14													14																					DFT							
5	0	0	0	13	0	0	0	5	0	0	0	13	0	0	0	5	0	0	0	13	15													15																					DFT							
6	0	0	0	14	0	0	0	6	0	0	0	14	0	0	0	6	0	0	0	14	16													16																					DFT							
7	0	0	0	15	0	0	0	7	0	0	0	15	0	0	0	7	0	0	0	15	17													17																					DFT							
8	0	0	0	16	0	0	0	8	0	0	0	16	0	0	0	8	0	0	0	16	18													18																					DFT							
Day Plan 7				Day Plan 8				Day Plan 9				19	19																	19																	DFT															
	Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act	20	20																	20																	DFT							
1	0	0	0	9	0	0	0	1	0	0	0	9	0	0	0	1	0	0	0	9	21													21																							DFT					
2	0	0	0	10	0	0	0	2	0	0	0	10	0	0	0	2	0	0	0	10	22													22																								DFT				
3	0	0	0	11	0	0	0	3	0	0	0	11	0	0	0	3	0	0	0	11	23													23																								DFT				
4	0	0	0	12	0	0	0	4	0	0	0	12	0	0	0	4	0	0	0	12	24													24																								DFT				
5	0	0	0	13	0	0	0	5	0	0	0	13	0	0	0	5	0	0	0	13	25													25																								DFT				
6	0	0	0	14	0	0	0	6	0	0	0	14	0	0	0	6	0	0	0	14	26													26																								DFT				
7	0	0	0	15	0	0	0	7	0	0	0	15	0	0	0	7	0	0	0	15	27													27																								DFT				
8	0	0	0	16	0	0	0	8	0	0	0	16	0	0	0	8	0	0	0	16	28													28																								DFT				
Day Plan 10				Day Plan 11				Day Plan 12				29																		29																	DFT															
	Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act	30																		30																	DFT							
1	0	0	0	9	0	0	0	1	0	0	0	9	0	0	0	1	0	0	0	9	31													31																								DFT				
2	0	0	0	10	0	0	0	2	0	0	0	10	0	0	0	2	0	0	0	10	32													32																								DFT				
3	0	0	0	11	0	0	0	3	0	0	0	11	0	0	0	3	0	0	0	11	33													33																								DFT				
4	0	0	0	12	0	0	0	4	0	0	0	12	0	0	0	4	0	0	0	12	34													34																								DFT				
5	0	0	0	13	0	0	0	5	0	0	0	13	0	0	0	5	0	0	0	13	35													35																								DFT				
6	0	0	0	14	0	0	0	6	0	0	0	14	0	0	0	6	0	0	0	14	36													36																								DFT				
7	0	0	0	15	0	0	0	7	0	0	0	15	0	0	0	7	0	0	0	15	37													37																								DFT				
8	0	0	0	16	0	0	0	8	0	0	0	16	0	0	0	8	0	0	0	16	38													38																								DFT				
Day Plan 13				Day Plan 14				Day Plan 15				39																		39																	DFT															
	Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act		Hour	Min	Act	40																		40																	DFT							
1	0	0	0	9	0	0	0	1	0	0	0	9	0	0	0	1	0	0	0	9																		41																	DFT							
2	0	0	0	10	0	0	0	2	0	0	0	10	0	0	0	2	0	0	0	10	48																		42																	DFT						
3	0	0	0	11	0	0	0	3	0	0	0	11	0	0	0	3	0	0	0	11																		43																	DFT							
4	0	0	0	12	0	0	0	4	0	0	0	12	0	0	0	4	0	0	0	12	98													44																								DFT				
5	0	0	0	13	0	0	0	5	0	0	0	13	0	0	0	5	0	0	0	13	99													45																								DFT				
6	0	0	0	14	0	0	0	6	0	0	0	14	0	0	0	6	0	0	0	14	100	255											46																								DFT					
7	0	0	0	15	0	0	0	7	0	0	0	15	0	0	0	7	0	0	0	15	53432 263 @ Maple Rd (East)											47																													DFT	
8	0	0	0	16	0	0	0	8	0	0	0	1																																																		



DATE _____

SIGNAL IMPROVEMENTS/INSTALLATION PROJECT SFY 09/10
VARIOUS LOCATIONS IN REGION 5

COUNTY: ERIE

PS&E DATE 3/17/09

CULVERTS	
1	1
2	2
3	3
4	4
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97	97
98	98
99	99
100	100

ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED

RT 263 MILLERSPORT AT COVENTRY

NYS DOT TRAFFIC SIGNAL #417 (ERIE)

CONTRACT NUMBER	
-----------------	--

D261074

DRAWING NO. SIG-11
SHEET NO. 15

	QUANTITY AND ITEM LIST		Project Total
ITEM	DESCRIPTION	UNIT	QTY
05206.0306	CONDUIT EXCAV & BACKFILL (NOT IN ROADWAY)	M	82.00
619.1611	MAINTAIN TRAFFIC SIGNAL EQUIP (REQ A)	INT MO	12.00
680.5001	POLE EXCAVATION AND CONCRETE FOUNDATION	CM	19.00
05680.5050	REMOVE POLE FOUNDATION	M	1.20
05680.5101	ALTER ELEVATION OF PULLBOX	EACH	1.00
680.510201	PULLBOX-CIRC., 450 mm DIA, REINF. CONC.	EACH	2.00
680.510301	PULLBOX-CIRC., 600 mm DIA, REINF. CONC.	EACH	3.00
680.520105	CONDUIT, STEEL, ZINC COATED, 1-1/2 NPS	M	4.00
680.520506	CONDUIT, RIGID PLASTIC, CLASS 1, 2 NPS	M	45.00
680.520508	CONDUIT, RIGID PLASTIC, CLASS 1, 3 NPS	M	139.00
680.53	CONDUIT JACKING OR BORING	M	52.00
05680.530803	CONDUIT, FLEX LIQ-TIGHT NON-METAL, 1 NPS	M	24.00
680.54	INDUCTANCE LOOP INSTALLATION	M	225.00
680.603010	SIGNAL POLE-SPAN WIRE	EACH	1.00
680.603011	SIGNAL POLE-SPAN WIRE	EACH	1.00
680.604010	SIGNAL POLE-SPAN WIRE	EACH	1.00
680.604011	SIGNAL POLE-SPAN WIRE	EACH	1.00
680.6730	SIGNAL POLE-POST TOP MOUNT	EACH	6.00
680.7001	SINGLE SPAN WIRE ASSEMBLY	EACH	6.00
680.71	SHIELDED LEAD-IN CABLE	M	428.00
680.72	INDUCTANCE LOOP WIRE	M	599.00
680.730514	SIGNAL CABLE, 5 CONDUCTORS 14 AWG	M	296.00
680.731914	SIGNAL CABLE, 19 CONDUCTORS 14 AWG	M	253.00
05680.770003	MODIFY TRAFFIC SIGNAL INSTALLATION, LOC 417	ELOC	1.00
05680.7801	ALTER PULLBOX FOR CONDUITS	EACH	3.00
05680.790005	REMOVE TRAFFIC SIGNAL INSTALLATION	ELOC	1.00
680.810101	SIGNAL MODULE-300 mm, RED BALL,LED	EACH	16.00
680.810103	SIGNAL MODULE-300 mm, YELLOW BALL, LED	EACH	12.00
680.810104	SIGNAL MODULE-300 mm, YELLOW ARROW,LED	EACH	4.00
680.810105	SIGNAL MODULE-300 mm, GREEN BALL,LED	EACH	12.00
680.810106	SIGNAL MODULE-300 mm, GREEN ARROW,LED	EACH	4.00
680.810601	SIGNAL SECTION, POLYCARBONITE,TYPE I, 300 mm	EACH	48.00
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EACH	16.00
680.8120	TRAFFIC SIGNAL DISCONNECT HANGER	EACH	16.00
680.813105	PED MODULE - 300mm, BI-MODAL HAND/MAN, LED	EACH	6.00
680.813106	PED SIGNAL SEC. - POLYCARBONATE TYPE I, 300 mm	EACH	12.00
680.8142	PEDESTRIAN SIGNAL POST TOP MOUNT ASSEMBLY	EACH	6.00
03680.8150	PEDESTRIAN COUNT DOWN TIMER	EACH	6.00
680.8201	OVERHEAD SIGN ASSEMBLY, TYPE A	EACH	6.00
680.8225	PEDESTRIAN PUSHBUTTON AND SIGN - W/O POST	EACH	6.00

ITEM FACE	680. 810601	680. 810101	680. 810102	680. 810103	680. 810104	680. 810105	680. 810106	680. 8111	680. 8112	680. 8113	680. 8114	680. 812
1	3	1		1		1		1				1
2	3	1		1		1		1				1
3	3	1		1		1		1				1
4	3	1		1		1		1				1
5	3	1		1		1		1				1
6	3	1		1		1		1				1
7	3	1		1		1		1				1
8	3	1		1		1		1				1
9	3	1		1		1		1				1
10	3	1		1		1		1				1
11	3	1		1		1		1				1
12	3	1		1		1		1				1
13	3	1			1		1	1				1
14	3	1			1		1	1				1
15	3	1			1		1	1				1
16	3	1			1		1	1				1
TOTAL	48	16		12	4	12	4	16				16

INSTALL TRAFFIC SIGNAL HEADS AT LOCATIONS SHOWN BELOW:

HEADS TO BE ALIGNED IN CENTER OF LANE : 1, 2, 4, 5, 8, 9, 10, 11, 12

HEADS TO BE ALIGNED WITH EDGE OF PAVEMENT: 13, 14, 15, 16

HEADS TO BE ALIGNED WITH CENTERLINE OF MEDIAN : 3, 7

HEAD 6 TO BE ALIGNED 3.3m TO THE RIGHT OF HEAD 5.

NOTE: ALL EXISTING TRAFFIC SIGNAL EQUIPMENT WILL REMAIN AS IS
UNLESS OTHERWISE NOTED BELOW OR ON THE PLANS.

NOTE: THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT WILL BE REMOVED UNDER THE PROVISIONS OF ITEM 05680.790005, "REMOVE TRAFFIC SIGNAL INSTALLATION, LOCATION 417 ERIE":

4- SPAN WIRE SIGNAL POLES

ALL - TRAFFIC SIGNAL HEADS, SPAN WIRES, AND RELATED WIRING.

NOTE: SPAN WIRE POLES SHALL BECOME PROPERTY OF THE CONTRACTOR

CONTACT THE REGIONAL TRANSPORTATION SYSTEM
OPERATIONS ENGINEER FOR OPERATIONAL SCHEDULE
AND SIGNAL OPERATION SPECIFICATIONS.

DETECTOR DATA TABLE						
NO.	680. 54	680. 72	680. 71	05206. 0306	05680. 530803	
1A	21	55	117	3	3	
1B	21	55			3	
2A	20	54	45	2	2	
2B	20	54			2	
3A	20	54	48	2	2	
3B	20	54			2	
3C	22	56	48		2	
3D	22	56			2	
4A	20	54	85		2	2
4B	20	54				2
4C	19	53	85	2	2	
TOTAL	225	599	428	11	24	

NOTE: 1.83m X 6.1m LOOPS SHALL HAVE 3 TURNS OF WIRE.

NOTE: 1.83m X 1.83m LOOPS SHALL HAVE 4 TURNS OF WIRE.

NOTE: THE LEADING EDGE OF THE FIRST LOOP SHALL BE
INSTALLED 1.5m IN FRONT OF THE STOP LINE.

NOTE: UNDER PROVISIONS OF 05680.770003
CONTRACTOR SHALL MODIFY CONTROLLER
FOUNDATION BASE TO ACCEPT CONDUIT
A.O.B.E.

SIGNAL HEAD INDICATIONS	
 FACE 1, 2, 3, 4, 5, 6 7, 8, 9, 10, 11, 12	 FACE 13, 14, 15, 16
(R) RED BALL (Y) YELLOW BALL (G) GREEN BALL	 RED ARROW  YELLOW ARROW  GREEN ARROW

PREPARED BY: ON:	ALTERED BY: ON:

AS BUILT REVISIONS DESCRIPTION OF WORK:	SIGNAL IMPROVEMENTS/INSTALLATION PROJECT SFY 09/10		PIN 5805.90	BRIDGES	CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED	CONTRACT NUMBER	
	VARIOUS LOCATIONS IN REGION 5						RT 263 MILLERSPORT AT COVENTRY	
SIGNATURE _____	DATE _____	COUNTY: ERIE				NYSDOT TRAFFIC SIGNAL #417 (ERIE)	DRAWING NO. SIG-12 SHEET NO.16	
DOCUMENT NAME: SIG417.DGN								

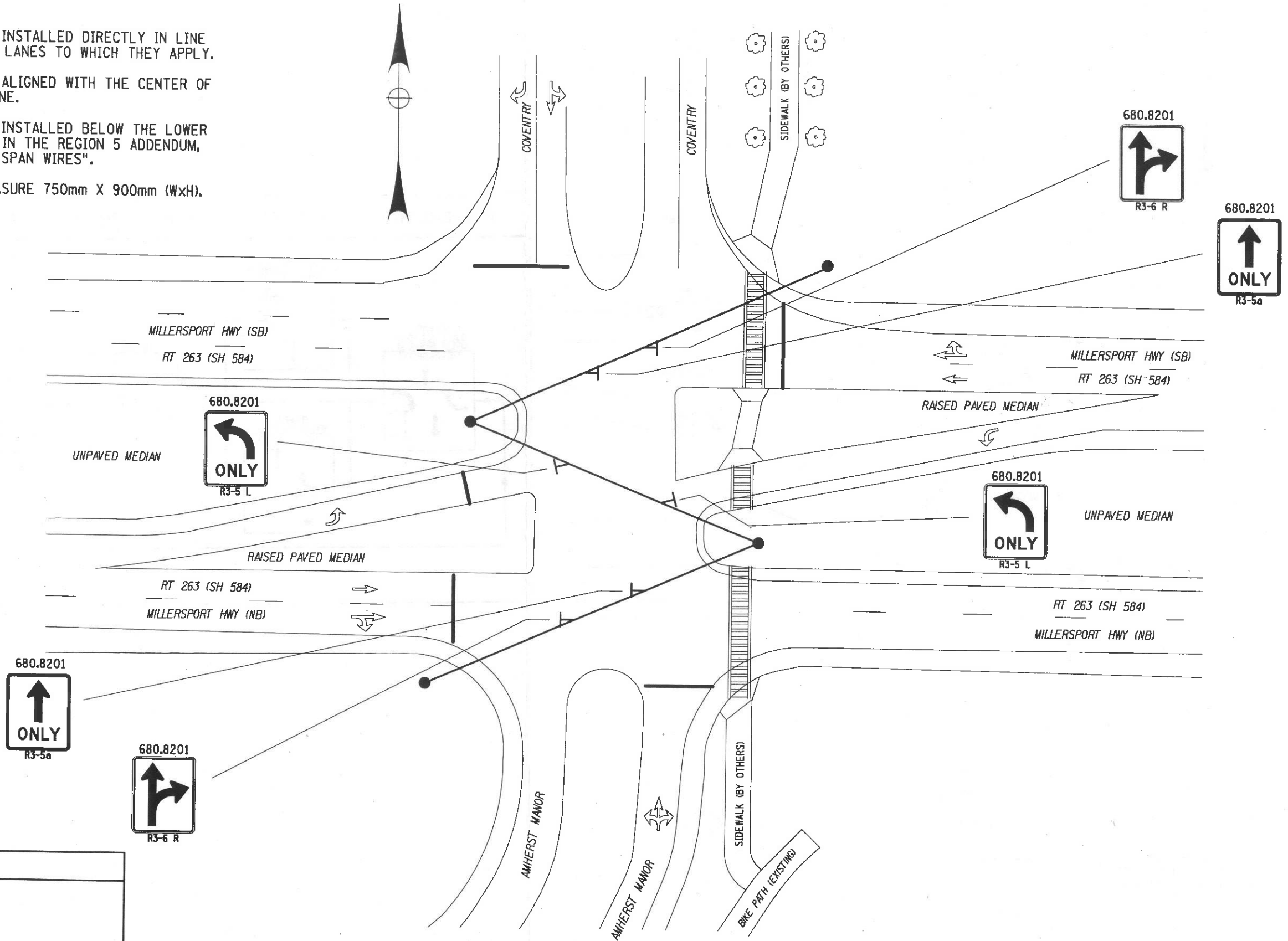
NOTE

ALL SIGNS SHALL BE INSTALLED DIRECTLY IN LINE WITH TRAFFIC IN THE LANES TO WHICH THEY APPLY.

ALL SIGNS SHALL BE ALIGNED WITH THE CENTER OF THEIR ASSOCIATED LANE.

ALL SIGNS SHALL BE INSTALLED BELOW THE LOWER SPAN WIRE AS SHOWN IN THE REGION 5 ADDENDUM, "SIGN MOUNT ON TWO SPAN WIRES".

ALL SIGNS SHALL MEASURE 750mm X 900mm (WxH).



PREPARED BY: ON:	ALTERED BY: ON:

AS BUILT REVISIONS
DESCRIPTION OF WORK:

SIGNATURE

DATE

DOCUMENT NAME: SIG417.DGN

SIGNAL IMPROVEMENTS/INSTALLATION PROJECT SFY 09/10
VARIOUS LOCATIONS IN REGION 5

COUNTY: ERIE

PIN 5805.90

PS&E DATE 3/17/09

BRIDGES

CULVERTS

ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED

RT 263 MILLERSPORT AT COVENTRY

NYSDOT TRAFFIC SIGNAL *417 (ERIE)

CONTRACT NUMBER

D261074

DRAWING NO. SIG-13
SHEET NO. 17

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 05

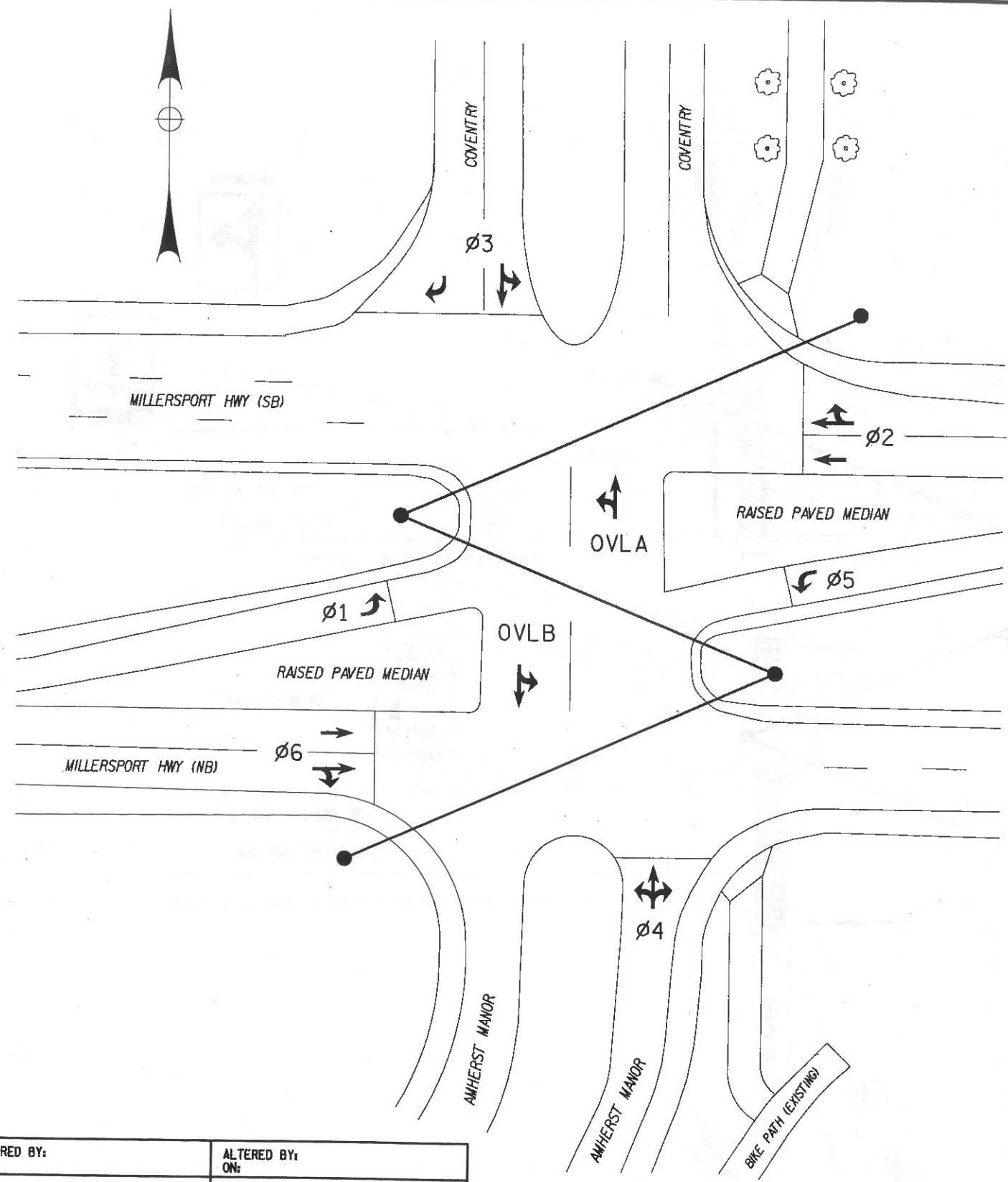
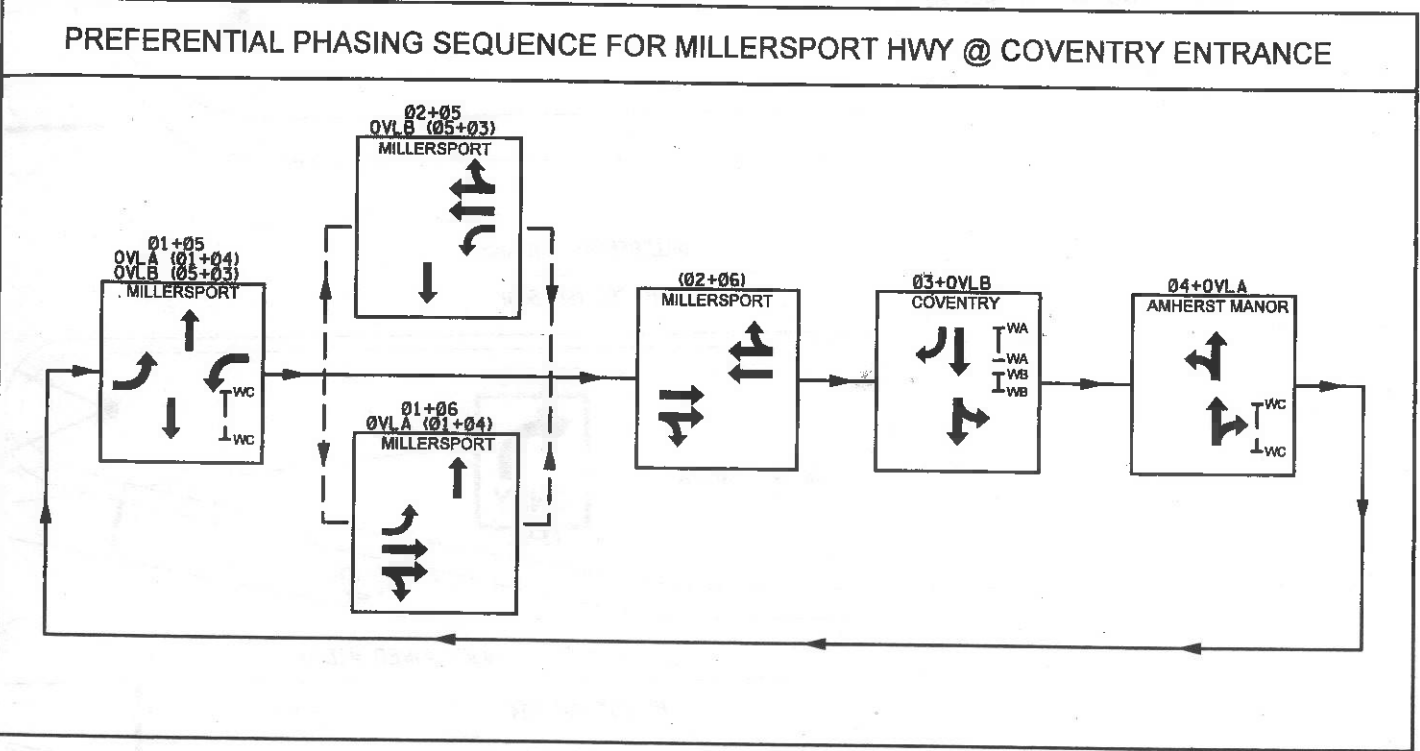
FILE NAME = SIG417.DGN
DATE/TIME = 17-MAR-2009 11:02
USER = fdegeorge

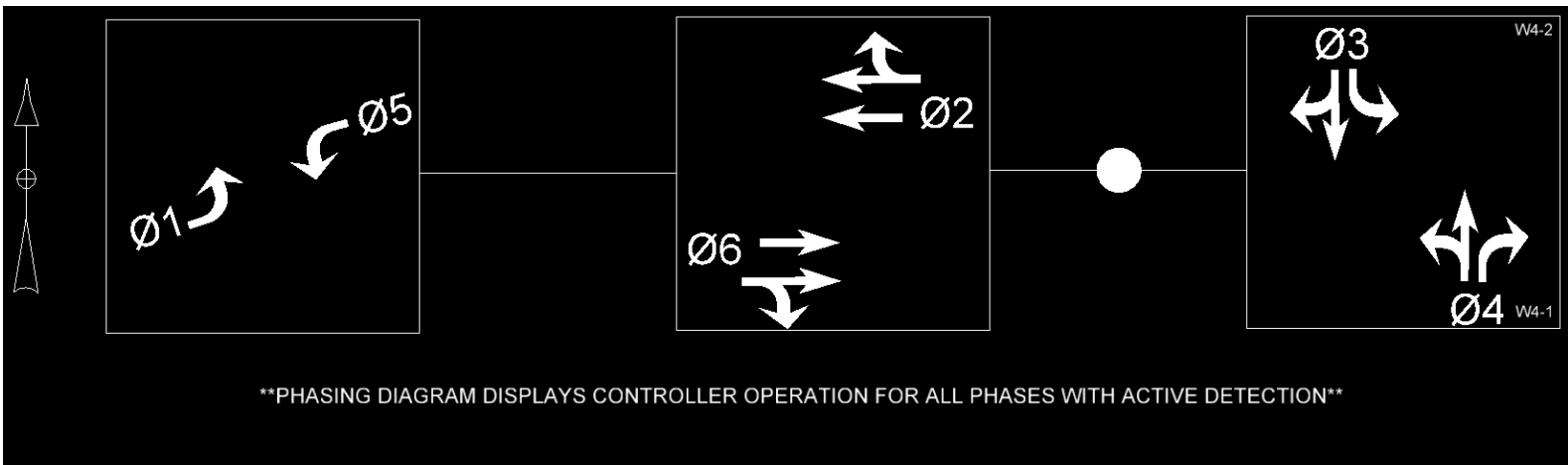
DESIGN SUPERVISOR S. S. VAIDYA JOB MANAGER R. LUNZ
CHECKED BY PETER CALABRESE
ESTIMATED BY RICHARD LUNZ
DRAFTED BY PETER CALABRESE
CHECKED BY R. LUNZ

DESIGN SUPERVISOR S. S. VAIDYA JOB MANAGER R. LUNZ
DESIGNED BY PETER CALABRESE CHECKED BY RICHARD LUNZ
DRAFTED BY PETER CALABRESE CHECKED BY R. LUNZ

PREPARED BY: ON:	ALTERED BY: ON:

AS BUILT REVISIONS DESCRIPTION OF WORK: SIGNATURE _____ DATE _____ DOCUMENT NAME: SIG417.DGN	SIGNAL IMPROVEMENTS/INSTALLATION PROJECT SFY 09/10 VARIOUS LOCATIONS IN REGION 5 COUNTY: ERIE	PIN 5805.90 PS&E DATE 3/17/09	BRIDGES CULVERTS	ALL DIMENSIONS IN m UNLESS OTHERWISE NOTED RT 263 MILLERSPORT AT COVENTRY NYSOT TRAFFIC SIGNAL #417 (ERIE)	CONTRACT NUMBER D261074 DRAWING NO. SIG-14 SHEET NO. 18
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[illegible]

Overlap 1-16 Program Parm+ [1.5.2.1] [1.5.2.2]

Overlap Conflict Lock		OFF		Overlap Lock Inhibit				OFF		Parent Ph Clearance			ON		Extra Included Ph				OFF					
1	Included Ø	1	4						Type	NORMAL	9	Included Ø							Type	NORMAL				
	Modifier Ø								Grn	5		Modifier Ø							Grn					
	Conflict Ø								Yel	3.2		Conflict Ø							Yel	3.5				
	Conflict Olap								Red	4.3		Conflict Olap							Red	1.5				
	Conflict Ped								LG			Conflict Ped							LG					
2	Included Ø	3	5						Type	NORMAL	10	Included Ø							Type	NORMAL				
	Modifier Ø								Grn	5		Modifier Ø							Grn					
	Conflict Ø								Yel	3.2		Conflict Ø							Yel	3.5				
	Conflict Olap								Red	4.3		Conflict Olap							Red	1.5				
	Conflict Ped								LG			Conflict Ped							LG					
3	Included Ø								Type	NORMAL	11	Included Ø							Type	NORMAL				
	Modifier Ø								Grn			Modifier Ø							Grn					
	Conflict Ø								Yel	3.5		Conflict Ø							Yel	3.5				
	Conflict Olap								Red	1.5		Conflict Olap							Red	1.5				
	Conflict Ped								LG			Conflict Ped							LG					
4	Included Ø								Type	NORMAL	12	Included Ø							Type	NORMAL				
	Modifier Ø								Grn			Modifier Ø							Grn					
	Conflict Ø								Yel	3.5		Conflict Ø							Yel	3.5				
	Conflict Olap								Red	1.5		Conflict Olap							Red	1.5				
	Conflict Ped								LG			Conflict Ped							LG					
5	Included Ø								Type	NORMAL	13	Included Ø							Type	NORMAL				
	Modifier Ø								Grn			Modifier Ø							Grn					
	Conflict Ø								Yel	3.5		Conflict Ø							Yel	3.5				
	Conflict Olap								Red	1.5		Conflict Olap							Red	1.5				
	Conflict Ped								LG			Conflict Ped							LG					
6	Included Ø								Type	NORMAL	14	Included Ø							Type	NORMAL				
	Modifier Ø								Grn			Modifier Ø							Grn					
	Conflict Ø								Yel	3.5		Conflict Ø							Yel	3.5				
	Conflict Olap								Red	1.5		Conflict Olap							Red	1.5				
	Conflict Ped								LG			Conflict Ped							LG					
7	Included Ø								Type	NORMAL	15	Included Ø							Type	NORMAL				
	Modifier Ø								Grn			Modifier Ø							Grn					
	Conflict Ø								Yel	3.5		Conflict Ø							Yel	3.5				
	Conflict Olap								Red	1.5		Conflict Olap							Red	1.5				
	Conflict Ped								LG			Conflict Ped							LG					
8	Included Ø								Type	NORMAL	16	Included Ø							Type	NORMAL				
	Modifier Ø								Grn			Modifier Ø							Grn					
	Conflict Ø								Yel	3.5		Conflict Ø							Yel	3.5				
	Conflict Olap								Red	1.5		Conflict Olap							Red	1.5				
	Conflict Ped								LG			Conflict Ped							LG					

Channel Settings [1.8.1]

.....Channel ->>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Phase / Olap #	1	2	3	4	5	6			1	2	4	4												
Channel Type	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	OLP	OLP	PED	PED	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
Channel Flash	Red	Red	Red	Red	Red	Red	Red	Red	Red	Red	DRK	DRK	Red	Red	Red	Red	DRK	DRK	DRK	DRK	DRK	DRK	DRK	DRK
Alt Hz																								

Channel+ Settings [1.8.4]

.....Channel ->>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Flash Red+																								
Flash Yellow+																								
Flash Green+																								
Flash Inh Red+																								
Olap Ovr																								

Coord Transition, CoordPhs [2.5]

Pat#	Short	Long	Dwell	No Shortway Ø	E-Yld	Offset	RetHld	Float	Min Veh Perm	Min Ped Perm
1	12	22				EndGRN				
2	12	22				EndGRN				
3	12	22				EndGRN				
4	12	22				EndGRN				
5	12	22				EndGRN				
6	12	22				EndGRN				
7	12	22				EndGRN				
8	12	22				EndGRN				
9	12	22				EndGRN				
10	12	22				EndGRN				
11	12	22				EndGRN				
12	12	22				EndGRN				
13	12	22				EndGRN				
14	12	22				EndGRN				
15	12	22				EndGRN				
16	12	22				EndGRN				
17	12	22				EndGRN				
18	12	22				EndGRN				
19	12	22				EndGRN				
20	12	22				EndGRN				
21	12	22				EndGRN				
22	12	22				EndGRN				
23	12	22				EndGRN				
24	12	22				EndGRN				
25						BegGRN				
26						BegGRN				
27						BegGRN				
28						BegGRN				
29						BegGRN				
30						BegGRN				
31						BegGRN				
32						BegGRN				
33						BegGRN				
34						BegGRN				
35						BegGRN				
36						BegGRN				
37						BegGRN				
38						BegGRN				
39						BegGRN				
40						BegGRN				
41						BegGRN				
42						BegGRN				
43						BegGRN				
44						BegGRN				
45						BegGRN				
46						BegGRN				
47						BegGRN				
48						BegGRN				

Channel Params[1.8.3]

C1 IO Mode User Single BIU MapDEFAULT Invert Rail Input OFF

Veh Par 1-64 [5.1]										Veh Par 1-64 [5.1]										Vehicle Options 1-64 [5.2]										Vehicle Options 1-64 [5.2]										Parameters+ 1-64 [5.3]									
Det #	Call Ø	Swi Ø	Dlay	Ext	Que	No Act	Max Pres	Err Cnt	Fail Time	Det #	Call Ø	Swi Ø	Dlay	Ext	Que	No Act	Max Pres	Err Cnt	Fail Time	Det #	Call	Ext	Que	Add Init	Red Lock	Yell Lock	occ	vol	Det #	vol	occ	Yell Lock	Red Lock	Ext	Add Init	Que	Call	Det #	oc G	oc Y	oc R	Dlay 1	Dlay 2	Type					
1	1						45	50	2	33							45	50		1	ON	ON		ON					33					ON	ON		ON	1							NORM				
2	2							50		34							45	50		2	ON	ON		ON					34					ON	ON		ON	2								NORM			
3	5						45	50	2	35							45	50		3	ON	ON		ON					35					ON	ON		ON	3								NORM			
4							45	50	2	36							45	50		4	ON	ON		ON					36					ON	ON		ON	4								NORM			
5	3		10				45	50	2	37							45	50		5	ON	ON		ON					37					ON	ON		ON	5								NORM			
6	3		10				45	50	2	38							45	50		6	ON	ON		ON					38					ON	ON		ON	6								NORM			
7	4		10				45	50	2	39							45	50		7	ON	ON		ON					39					ON	ON		ON	7								NORM			
8	4		10				45	50	2	40							45	50		8	ON	ON		ON					40					ON	ON		ON	8								NORM			
9								50	2	41							45	50		9	ON	ON		ON					41					ON	ON		ON	9								NORM			
10								50	2	42							45	50		10	ON	ON		ON					42					ON	ON		ON	10								NORM			
11	2							50	2	43							45	50		11	ON	ON		ON					43					ON	ON		ON	11								NORM			
12	2							50	2	44							45	50		12	ON	ON		ON					44					ON	ON		ON	12								NORM			
13	6						45	50	2	45							45	50		13	ON	ON		ON					45					ON	ON		ON	13								NORM			
14	6						45	50	2	46							45	50		14	ON	ON		ON					46					ON	ON		ON	14								NORM			
15							45	50	2	47							45	50		15	ON	ON		ON					47					ON	ON		ON	15								NORM			
16							45	50	2	48							45	50		16	ON	ON		ON					48					ON	ON		ON	16								NORM			
17							45	50	2	49							45	50		17	ON	ON		ON					49					ON	ON		ON	17								NORM			
18							45	50	2	50							45	50		18	ON	ON		ON					50					ON	ON		ON	18								NORM			
19							45	50		51							45	50		19	ON	ON		ON					51					ON	ON		ON	19								NORM			
20							45	50		52							45	50		20	ON	ON		ON					52					ON	ON		ON	20								NORM			
21							45	50		53							45	50		21	ON	ON		ON					53					ON	ON		ON	21								NORM			
22							45	50		54							45	50		22	ON	ON		ON					54					ON	ON		ON	22								NORM			
23							45	50		55							45	50		23	ON	ON		ON					55					ON	ON		ON	23								NORM			
24							45	50		56							45	50		24	ON	ON		ON					56					ON	ON		ON	24								NORM			
25							45	50		57							45	50		25	ON	ON		ON					57					ON	ON		ON	25								NORM			
26							45	50		58							45	50		26	ON	ON		ON					58					ON	ON		ON	26								NORM			
27							45	50		59							45	50		27	ON	ON		ON					59					ON	ON		ON	27								NORM			
28							45	50		60							45	50		28	ON	ON		ON					60					ON	ON		ON	28								NORM			
29							45	50		61							45	50		29	ON	ON		ON					61					ON	ON		ON	29								NORM			
30							45	50		62							45	50		30	ON	ON		ON					62					ON	ON		ON	30								NORM			
31							45	50		63							45	50		31	ON	ON		ON					63					ON	ON		ON	31								NORM			
32							45	50		64							45	50		32	ON	ON		ON					64					ON	ON		ON	32								NORM			

Parameters+ 1-64 [5.3]

Det #	occ Grn	occ Yell	occ Red	Dlay 1	Dlay 2	Type	Src	Det #	occ Grn	occ Yell	occ Red	Dlay 1	Dlay 2	Type	Src	Det #	occ Grn	occ Yell	occ Red	Dlay 1	Dlay 2	Type	Src
33						NORM		44						NORM		55						NORM	
34						NORM		45						NORM		56						NORM	
35						NORM		46						NORM		57						NORM	
36						NORM		47						NORM		58						NORM	
37						NORM		48						NORM		59						NORM	
38						NORM		49						NORM		60						NORM	
39						NORM		50						NORM		61						NORM	
40						NORM		51						NORM		62						NORM	
41						NORM		52						NORM		63						NORM	
42						NORM		53						NORM		64						NORM	
43						NORM		54						NORM		#### 263 @ Coventry Rd.							

Ped Det Parms [5.4]

Det #	Call Ø	No Act	Max Pres	Err Cnt
1	4		15	
2	4		15	
3			15	
4			15	
5			15	
6			15	
7			15	
8			15	

Unit Paramters [1.2.1]

TS2 Det Faults	
Vol/Occ Report Parm [1.5.8]	
Vol/Occ Period Minutes	
Vol/Occ Period Minutes	

Src
ON
0 15
e 3

Annual Schedule [4.3]													Month of Year					Day of Week							Date																																Day Plan		Link To																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	J	F	M	A	M	J	J	A	S	O	N	D	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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ATTACHMENT A2

ERIE COUNTY SIGNAL TIMINGS

**PROPOSED SPORTS COMPLEX AND HOTEL
TOWN OF AMHERST
ERIE COUNTY, NY**

MAPLE ROAD AND FLINT ROAD – WEEKDAY PM

MAPLE ROAD AND N MAPLEMERE ROAD – WEEKDAY PM

RG1 2G RG2 6G Thu Sep-18-2025 13:38:31D
EXT3.0 EXT3.0 1234567890ABCDEF TBC
SPL 22 SPL 22 O/N 0 0 PAT 2
VEH E EC CYC120
PED OFF 0
OVL MCT 31
COORD ACTIVE POV LCT 31
SP FO H/O OH OOHOO PRE

2.1PHASE TIMINGS SET 1DR

PHASE#12345678

MIN GRN44044444

PASS/103030030303030

MAX 1638015638815

MAX 2000000000

MAX 3000000000

MAX 4000000000

y=YES n=NO End=NEXT

RG1 4G RG2 7G Thu Sep-18-2025 13:38:58D
MIN 8 MIN 4 1234567890ABCDEF TBC
SPL 37 SPL 7 O/N 0 0 PAT 2
VEH C RE CYC120
PED OFF 0
OVL MCT 58
COORD ACTIVE POV LCT 58
SP FO H/O 0 0 PRE

2.1PHASE TIMINGS SET 1UDR

PHASE#12345678

YEL/104040040404040

RED/101010010101010

WALK07070707

PED CLR012017012017

ADD IN/1000000000

MAX INIT00000000

y=YES n=NO End=NEXT

MAPLE ROAD AND N MAPLEMERE ROAD – WEEKEND MD

RG1 2G RG2 6G Thu Sep-18-2025 13:39:47D
EXT0.0 EXT0.0 1234567890ABCDEF TBC
SPL 66 SPL 66 O/N 0 0 PAT 2
VEH R R CYC120
PED OFF 0
OVL MCT107
COORD ACTIVE POV LCT107
SP FO H/O OH OOHOO PRE

2.1PHASE TIMINGS SET 3DR

PHASE#	1	2	3	4	5	6	7	8
MIN GRN	6	10	4	8	6	10	4	8
PASS/10	30	30	30	30	30	30	30	30
MAX 1	6	19	25	25	6	19	25	25
MAX 2	15	45	15	45	15	45	15	45
MAX 3	0	0	0	0	0	0	0	0
MAX 4	0	0	0	0	0	0	0	0

y=YES n=NO End=NEXT

RG1 2G RG2 6G Thu Sep-18-2025 13:40:11D
EXT3.0 EXT3.0 1234567890ABCDEF TBC
SPL 42 SPL 42 O/N 0 0 PAT 2
VEH E CE CYC120
PED OFF 0
OVL MCT 11
COORD ACTIVE POV LCT 11
SP FO H/O OH OOHOO PRE

2.1PHASE TIMINGS SET 3UDR

PHASE#	1	2	3	4	5	6	7	8
YEL/10	40	40	40	40	40	40	40	40
RED/10	10	10	10	10	10	10	10	10
WALK	0	7	0	7	0	7	0	7
PED CLR	0	12	0	17	0	12	0	17
ADD IN/10	0	0	0	0	0	0	0	0
MAX INIT	0	0	0	0	0	0	0	0

y=YES n=NO End=NEXT

MAPLE ROAD AND N FOREST ROAD – WEEKDAY PM



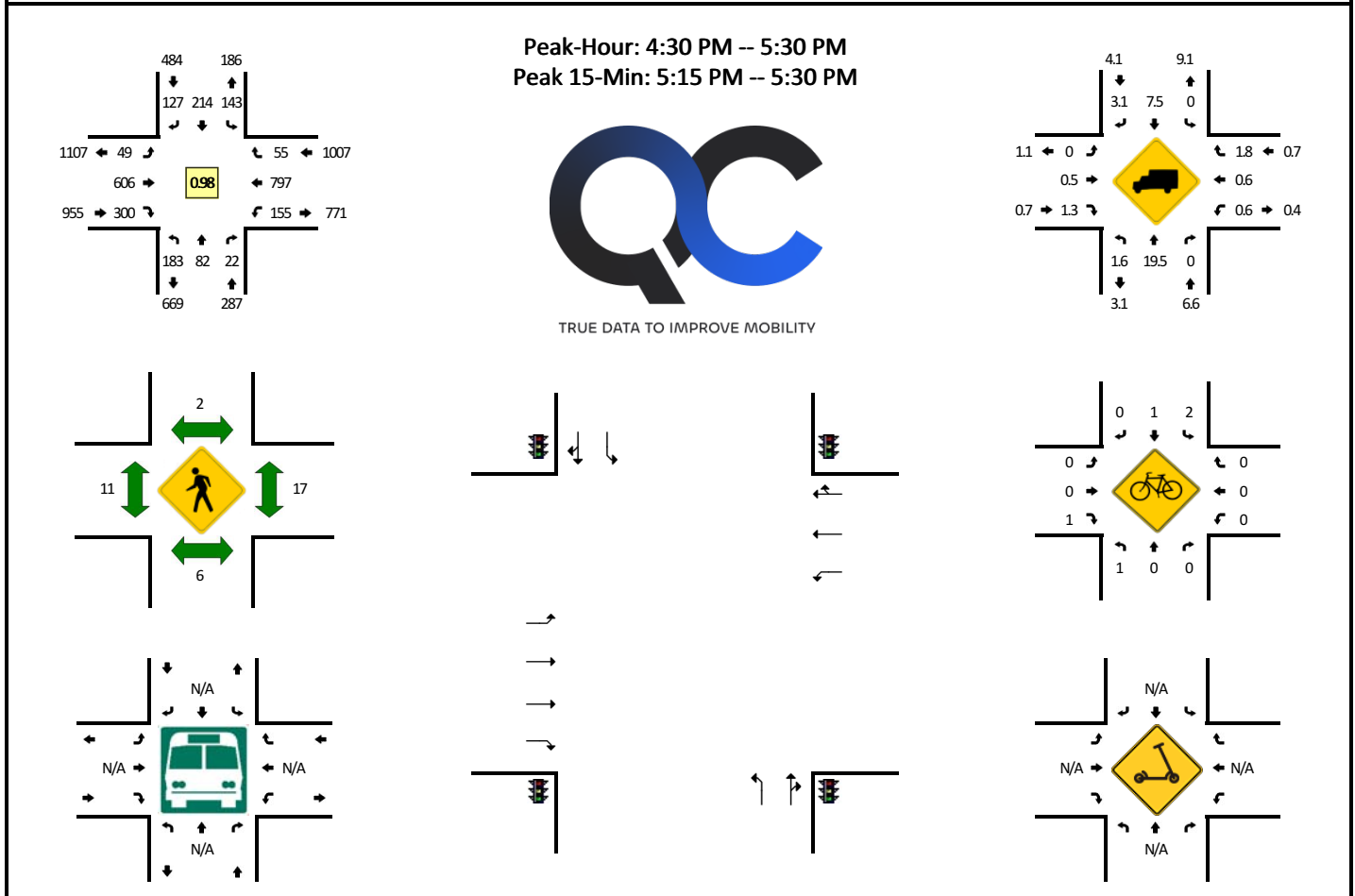
ATTACHMENT B

TURNING MOVEMENT COUNT DATA

**PROPOSED SPORTS COMPLEX AND HOTEL
TOWN OF AMHERST
ERIE COUNTY, NY**

LOCATION: Flint Rd -- Maple Rd
CITY/STATE: University at Buffalo, NY

QC JOB #: 17217101
DATE: Thu, Sep 11 2025



15-Min Count Period Beginning At	Flint Rd (Northbound)				Flint Rd (Southbound)				Maple Rd (Eastbound)				Maple Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	40	13	7	0	35	50	30	0	13	145	65	0	54	197	6	0	655	
4:15 PM	54	15	3	0	22	47	16	0	14	167	56	0	39	192	7	0	632	
4:30 PM	44	22	6	0	51	55	38	0	15	143	71	0	25	209	18	0	697	
4:45 PM	43	20	8	0	33	44	16	0	14	131	69	0	41	203	16	0	638	2622
5:00 PM	38	24	3	0	38	64	37	0	9	164	99	0	38	177	7	0	698	2665
5:15 PM	58	16	5	0	21	51	36	0	11	168	61	0	51	208	14	0	700	2733
5:30 PM	46	17	8	0	24	35	16	0	19	140	58	0	36	194	9	0	602	2638
5:45 PM	49	27	5	0	26	21	19	0	9	124	41	0	19	172	8	0	520	2520
6:00 PM	46	24	2	0	22	17	17	0	9	112	49	0	22	146	12	0	478	2300
6:15 PM	39	16	2	0	25	18	14	0	14	129	62	0	19	129	6	0	473	2073
6:30 PM	41	8	8	0	22	28	17	0	8	121	45	0	22	137	10	0	467	1938
6:45 PM	32	13	4	0	20	21	15	0	10	113	40	0	28	127	10	0	433	1851
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	232	64	20	0	84	204	144	0	44	672	244	0	204	832	56	0	2800	
Heavy Trucks	4	8	0		0	24	0		0	0	0		0	8	0		44	
Buses																		
Pedestrians		8				8				8				24			48	
Bicycles	4	0	0		4	0	0		0	0	0		0	0	0		8	
Scooters																		

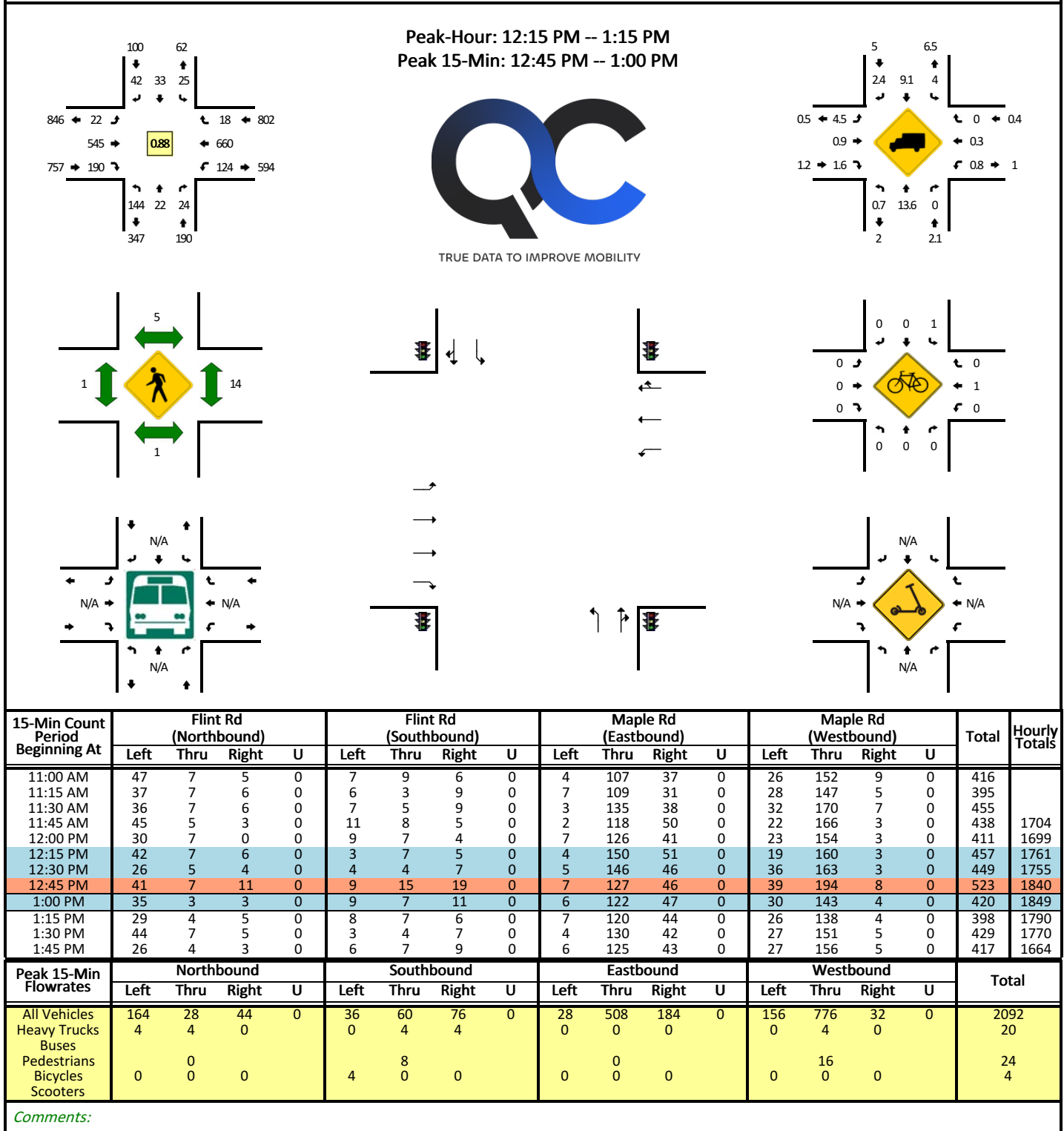
Comments:

Report generated on 9/19/2025 12:30 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212

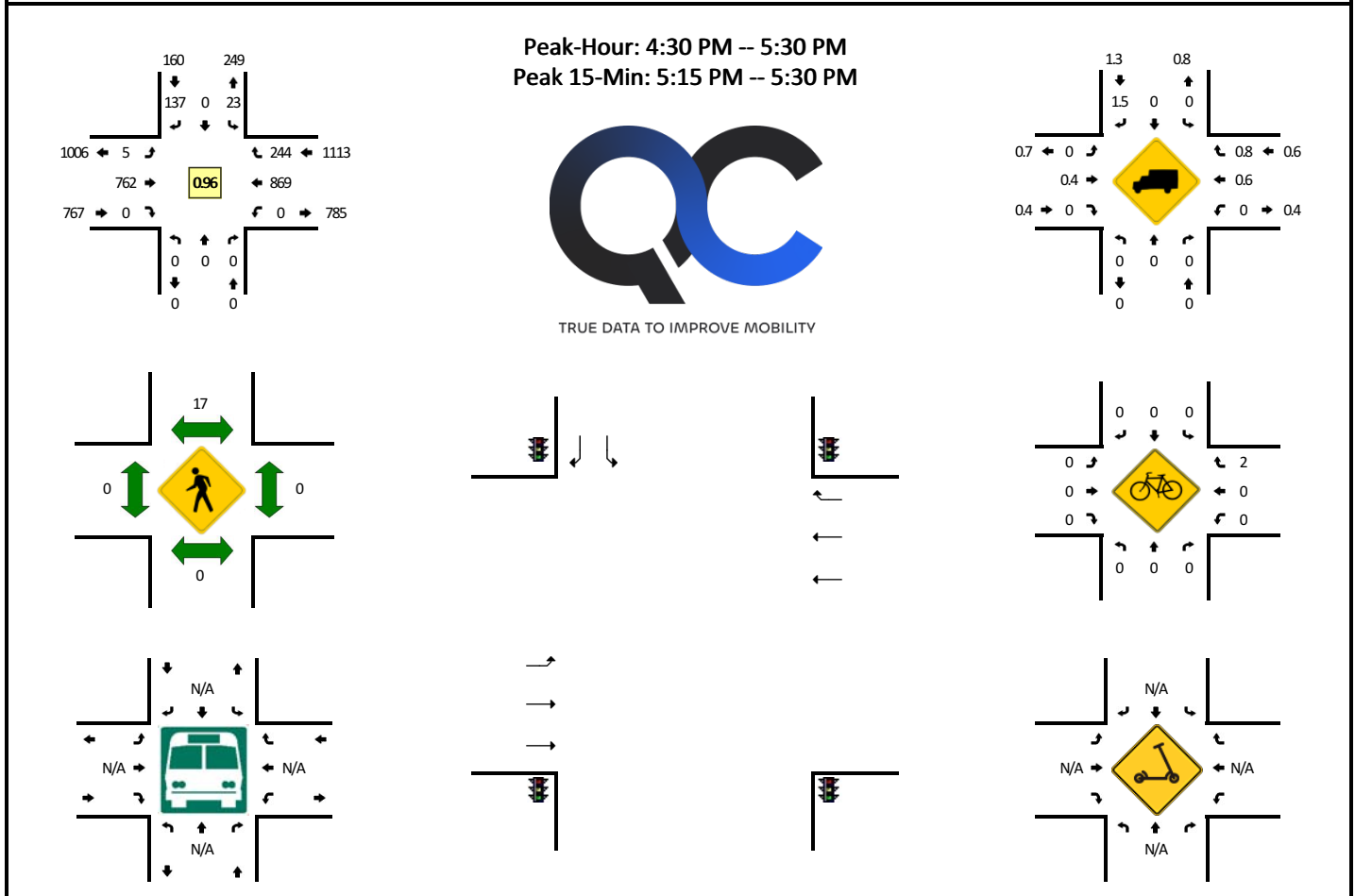
LOCATION: Flint Rd -- Maple Rd
CITY/STATE: University at Buffalo, NY

QC JOB #: 17217102
DATE: Sat, Sep 13 2025



LOCATION: CR 263 SB Ramps -- Maple Rd
CITY/STATE: University at Buffalo, NY

QC JOB #: 17217103
DATE: Thu, Sep 11 2025



15-Min Count Period Beginning At	CR 263 SB Ramps (Northbound)				CR 263 SB Ramps (Southbound)				Maple Rd (Eastbound)				Maple Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	0	0	0	0	5	0	29	0	1	182	0	0	0	217	67	0	501	
4:15 PM	0	0	0	0	9	0	27	0	2	192	0	0	0	216	68	0	514	
4:30 PM	0	0	0	0	7	0	24	0	1	189	0	0	0	226	64	0	511	
4:45 PM	0	0	0	0	4	0	24	0	0	178	0	0	0	225	75	0	506	2032
5:00 PM	0	0	0	0	7	0	35	0	3	198	0	0	0	193	58	0	494	2025
5:15 PM	0	0	0	0	5	0	54	0	1	197	0	0	0	225	47	0	529	2040
5:30 PM	0	0	0	0	5	0	34	0	2	166	0	0	0	190	39	0	436	1965
5:45 PM	0	0	0	0	3	0	26	0	1	152	0	0	0	178	43	0	403	1862
6:00 PM	0	0	0	0	2	0	23	0	4	125	0	0	0	151	70	0	375	1743
6:15 PM	0	0	0	0	7	0	28	0	0	156	0	0	0	124	44	0	359	1573
6:30 PM	0	0	0	0	2	0	17	0	4	138	0	0	0	147	36	0	344	1481
6:45 PM	0	0	0	0	5	0	24	0	2	139	0	0	0	139	50	0	359	1437
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	0	0	0	0	20	0	216	0	4	788	0	0	0	900	188	0	2116	
Heavy Trucks	0	0	0	0	0	0	4	0	0	0	0	0	0	4	0	0	8	
Buses																		
Pedestrians		0				20				0				0			20	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	8		8	
Scoters																		

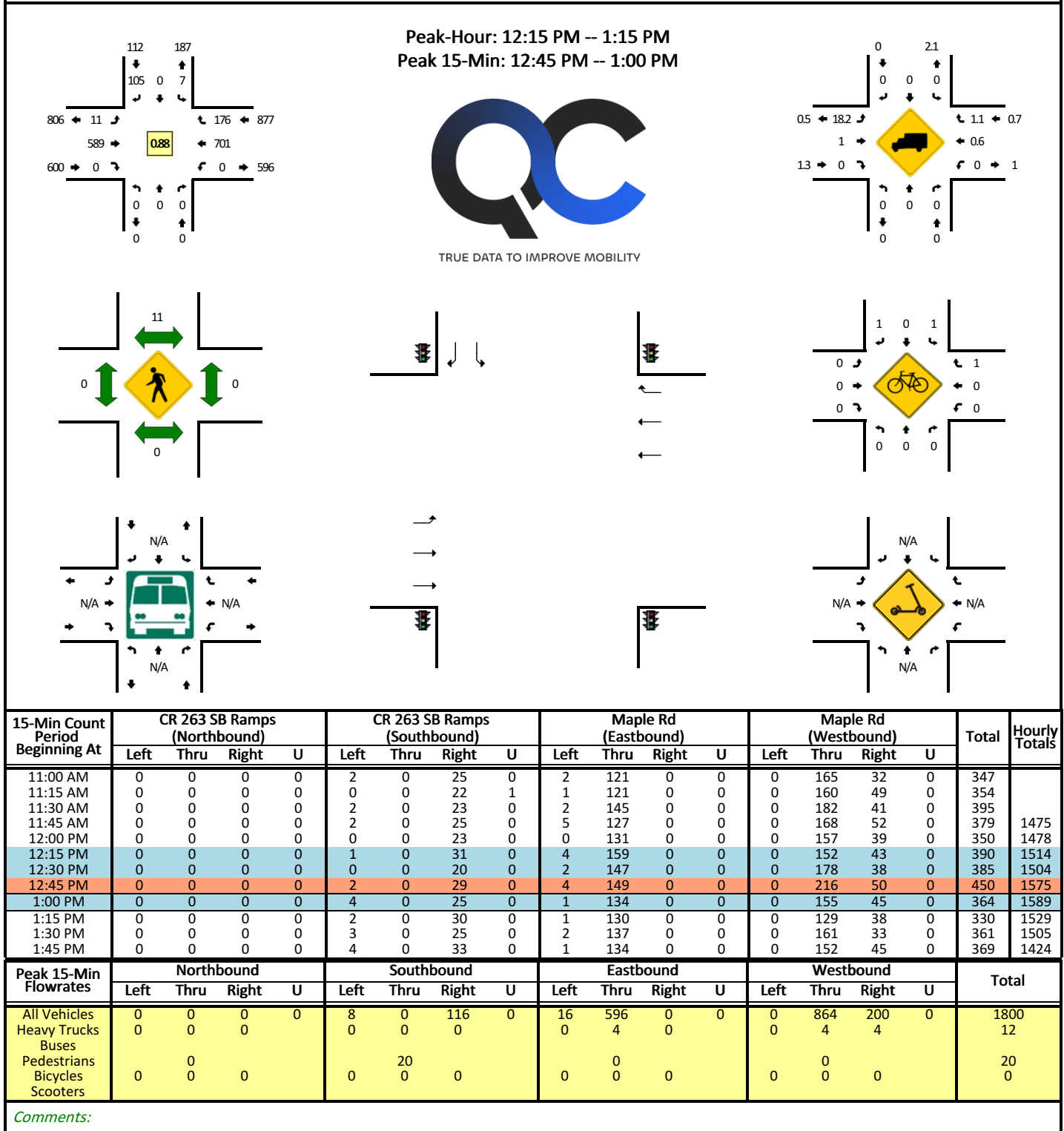
Comments:

Report generated on 9/19/2025 12:30 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212

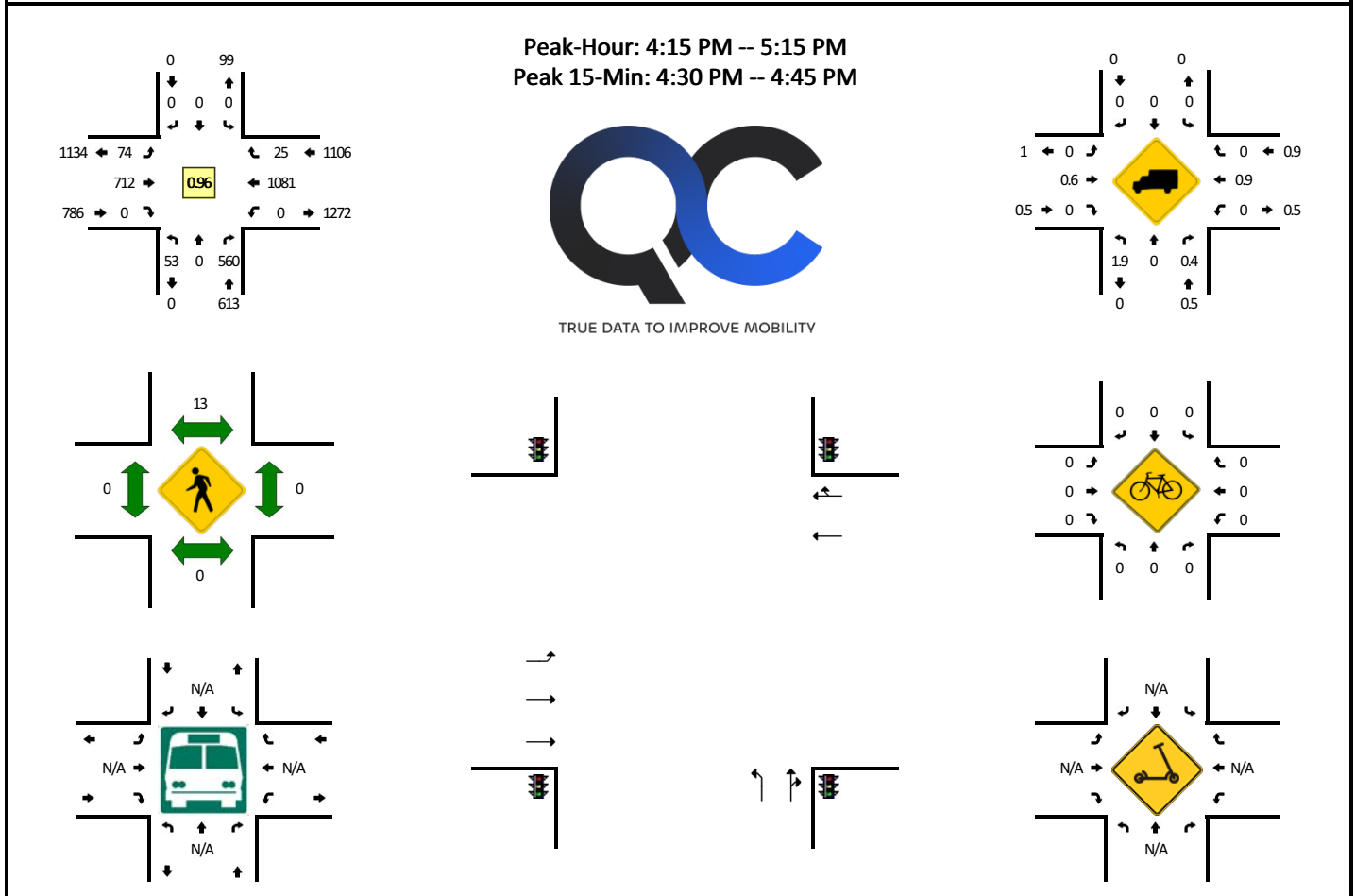
LOCATION: CR 263 SB Ramps -- Maple Rd
CITY/STATE: University at Buffalo, NY

QC JOB #: 17217104
DATE: Sat, Sep 13 2025



LOCATION: CR 263 NB Ramps -- Maple Rd
CITY/STATE: Erie, NY

QC JOB #: 17217105
DATE: Thu, Sep 11 2025



15-Min Count Period Beginning At	CR 263 NB Ramps (Northbound)				CR 263 NB Ramps (Southbound)				Maple Rd (Eastbound)				Maple Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	10	0	124	0	0	0	0	0	18	168	0	0	0	274	7	0	601	
4:15 PM	19	0	127	0	0	0	0	0	17	183	0	0	0	268	3	0	617	
4:30 PM	9	0	153	0	0	0	0	0	15	179	0	0	0	287	10	0	653	
4:45 PM	17	0	141	0	0	0	0	0	22	163	0	0	0	285	5	0	633	2504
5:00 PM	8	0	139	0	0	0	0	0	20	187	0	0	0	241	7	0	602	2505
5:15 PM	18	0	135	0	0	0	0	0	12	189	0	0	0	254	6	0	614	2502
5:30 PM	12	1	104	0	0	0	0	0	19	152	0	0	0	219	10	0	517	2366
5:45 PM	13	0	120	0	0	0	0	0	16	136	0	0	0	213	7	0	505	2238
6:00 PM	6	0	96	0	0	0	0	0	15	114	0	0	0	210	6	0	447	2083
6:15 PM	11	0	104	0	0	0	0	0	19	144	0	0	0	154	5	0	437	1906
6:30 PM	12	0	96	0	0	0	0	0	8	129	0	0	0	172	4	0	421	1810
6:45 PM	10	0	88	0	0	0	0	0	18	126	0	0	0	178	7	0	427	1732
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	36	0	612	0	0	0	0	0	60	716	0	0	0	1148	40	0	2612	
Heavy Trucks	0	0	4		0	0	0		0	8	0		0	12	0		24	
Buses																		
Pedestrians	0	0				16			0	0			0	0			16	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Scooters																		

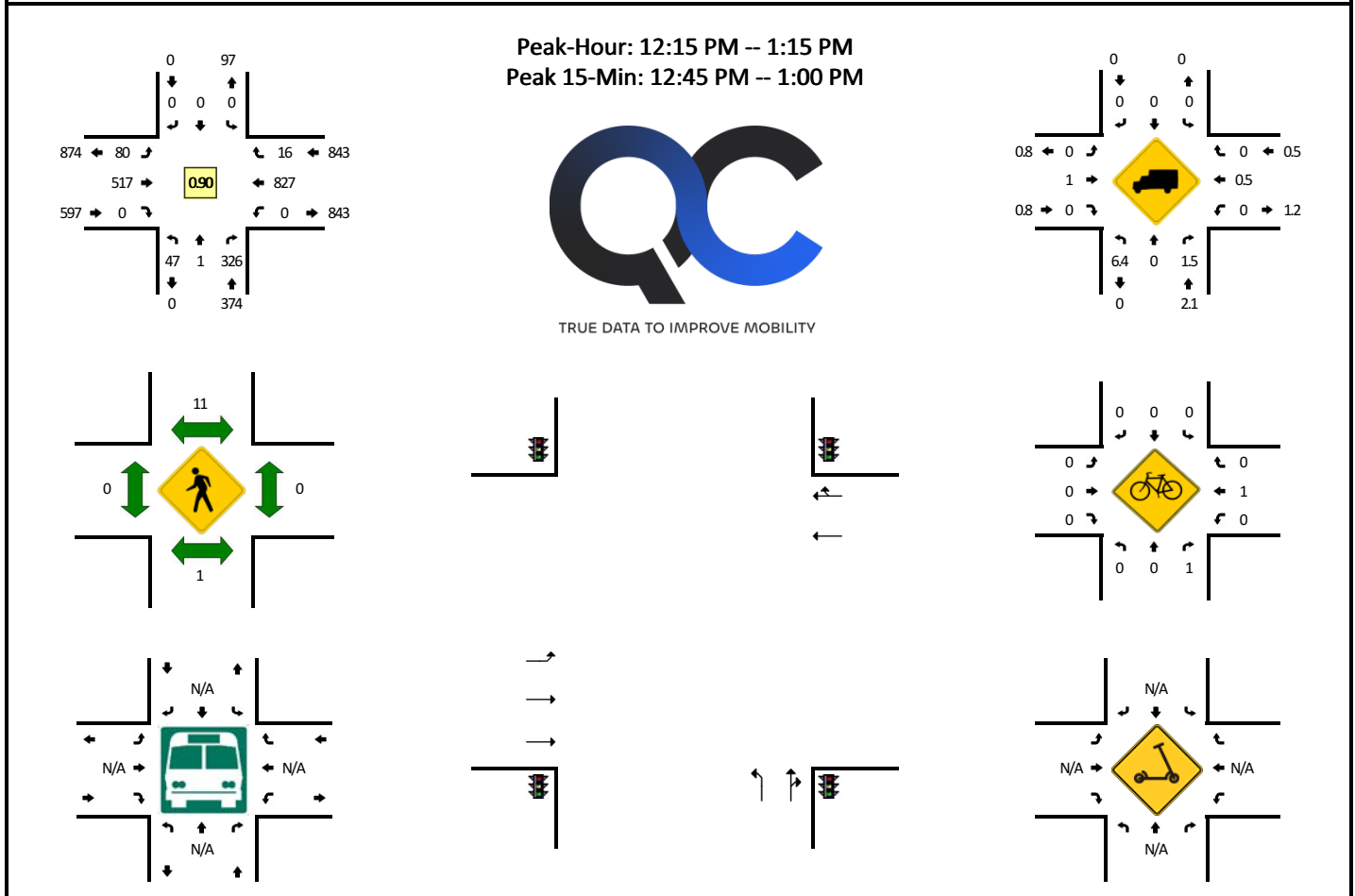
Comments:

Report generated on 9/19/2025 12:30 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212

LOCATION: CR 263 NB Ramps -- Maple Rd
CITY/STATE: Erie, NY

QC JOB #: 17217106
DATE: Sat, Sep 13 2025



15-Min Count Period Beginning At	CR 263 NB Ramps (Northbound)				CR 263 NB Ramps (Southbound)				Maple Rd (Eastbound)				Maple Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	10	0	86	0	0	0	0	0	18	109	0	0	0	186	2	0	411	
11:15 AM	11	0	78	0	0	0	0	0	11	110	0	0	0	198	6	0	414	
11:30 AM	12	2	76	0	0	0	0	0	14	130	0	0	0	212	8	0	454	
11:45 AM	22	0	78	0	0	0	0	0	11	120	0	0	0	200	2	0	433	1712
12:00 PM	13	0	93	0	0	0	0	0	16	116	0	0	0	184	2	0	424	1725
12:15 PM	9	1	86	0	0	0	0	0	17	144	0	0	0	184	5	0	446	1757
12:30 PM	12	0	74	0	0	0	0	0	17	126	0	0	0	203	1	0	433	1736
12:45 PM	16	0	84	0	0	0	0	0	21	130	0	0	0	250	5	0	506	1809
1:00 PM	10	0	82	0	0	0	0	0	25	117	0	0	0	190	5	0	429	1814
1:15 PM	10	0	74	0	0	0	0	0	15	117	0	0	0	156	4	0	376	1744
1:30 PM	6	0	76	0	0	0	0	0	21	115	0	0	0	188	4	0	410	1721
1:45 PM	3	0	79	0	0	0	0	0	15	126	0	0	0	194	3	0	420	1635
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	64	0	336	0	0	0	0	0	84	520	0	0	0	1000	20	0	2024	
Heavy Trucks	0	0	8		0	0	0		0	0	0		0	8	0		16	
Buses																		
Pedestrians		0				8				0				0			8	
Bicycles	0	0	0		0	0	0		0	0	0		0	0	0		0	
Scooters																		

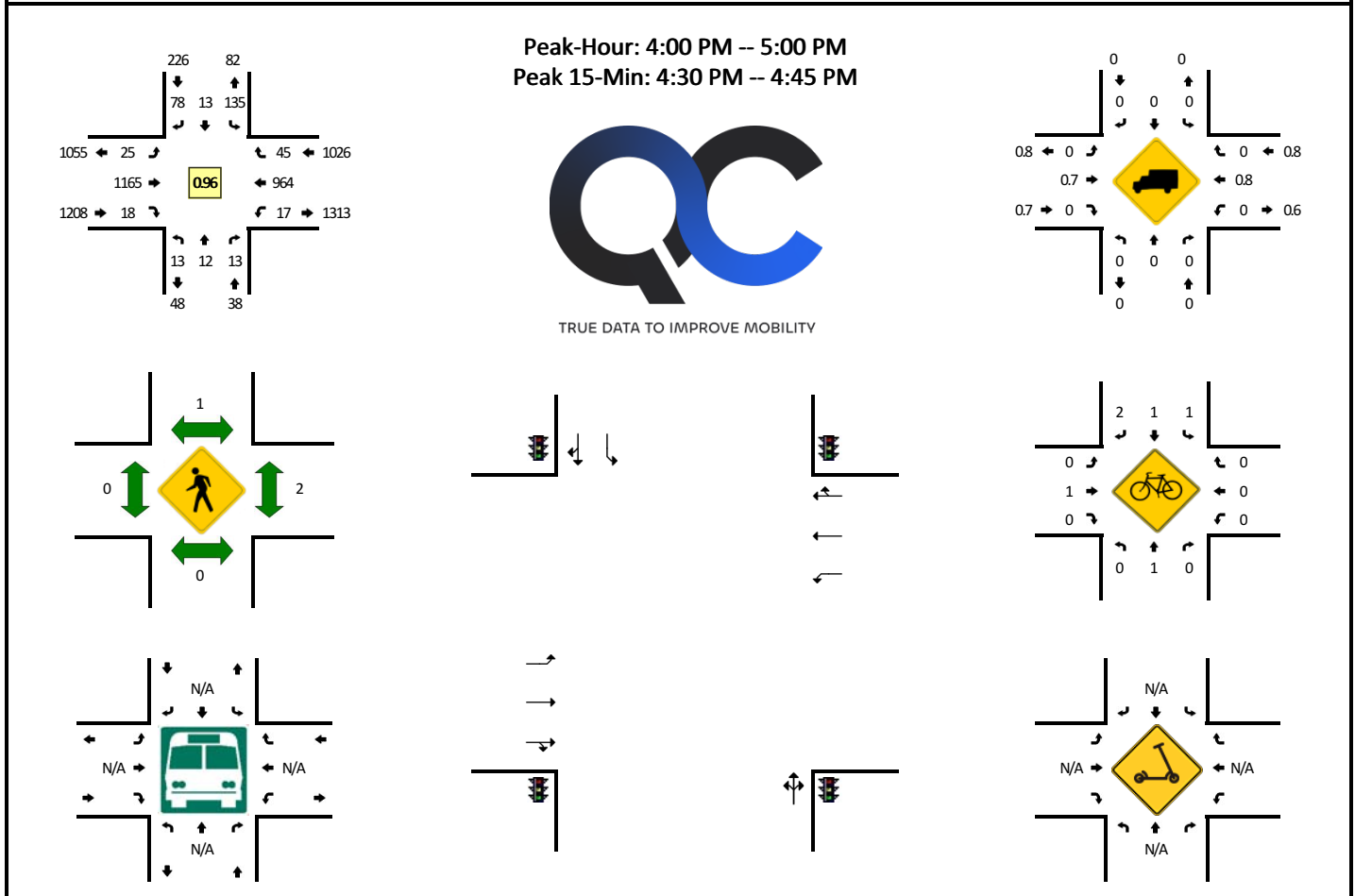
Comments:

Report generated on 9/19/2025 12:30 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212

LOCATION: N Maplemere Rd -- Maple Rd
CITY/STATE: Erie, NY

QC JOB #: 17217107
DATE: Thu, Sep 11 2025



15-Min Count Period Beginning At	N Maplemere Rd (Northbound)				N Maplemere Rd (Southbound)				Maple Rd (Eastbound)				Maple Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	2	0	5	0	34	4	45	0	7	278	2	0	6	210	11	0	604	
4:15 PM	1	1	2	0	31	2	10	0	5	282	5	0	2	243	14	0	598	
4:30 PM	4	5	3	0	31	3	14	0	8	318	6	0	3	247	6	0	648	
4:45 PM	6	6	3	0	39	4	9	0	5	287	5	0	6	264	14	0	648	2498
5:00 PM	3	1	4	0	23	2	11	0	6	308	5	0	2	221	9	0	595	2489
5:15 PM	5	1	3	0	20	5	10	0	6	300	6	0	4	221	16	0	597	2488
5:30 PM	7	1	1	0	20	4	12	0	9	228	5	0	2	198	14	0	501	2341
5:45 PM	1	2	1	0	12	1	13	0	11	227	8	0	5	190	19	0	490	2183
6:00 PM	5	3	2	0	15	1	9	0	8	192	4	0	1	178	8	0	426	2014
6:15 PM	2	4	6	0	14	5	10	0	15	202	3	0	2	134	15	0	412	1829
6:30 PM	2	0	4	0	22	2	8	0	9	215	3	0	3	159	13	0	440	1768
6:45 PM	3	3	1	0	20	2	5	0	2	189	1	0	4	163	7	0	400	1678
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	16	20	12	0	124	12	56	0	32	1272	24	0	12	988	24	0	2592	
Heavy Trucks	0	0	0	0	0	0	0	0	0	16	0	0	0	12	0	0	28	
Buses																		
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8	
Scooters																		

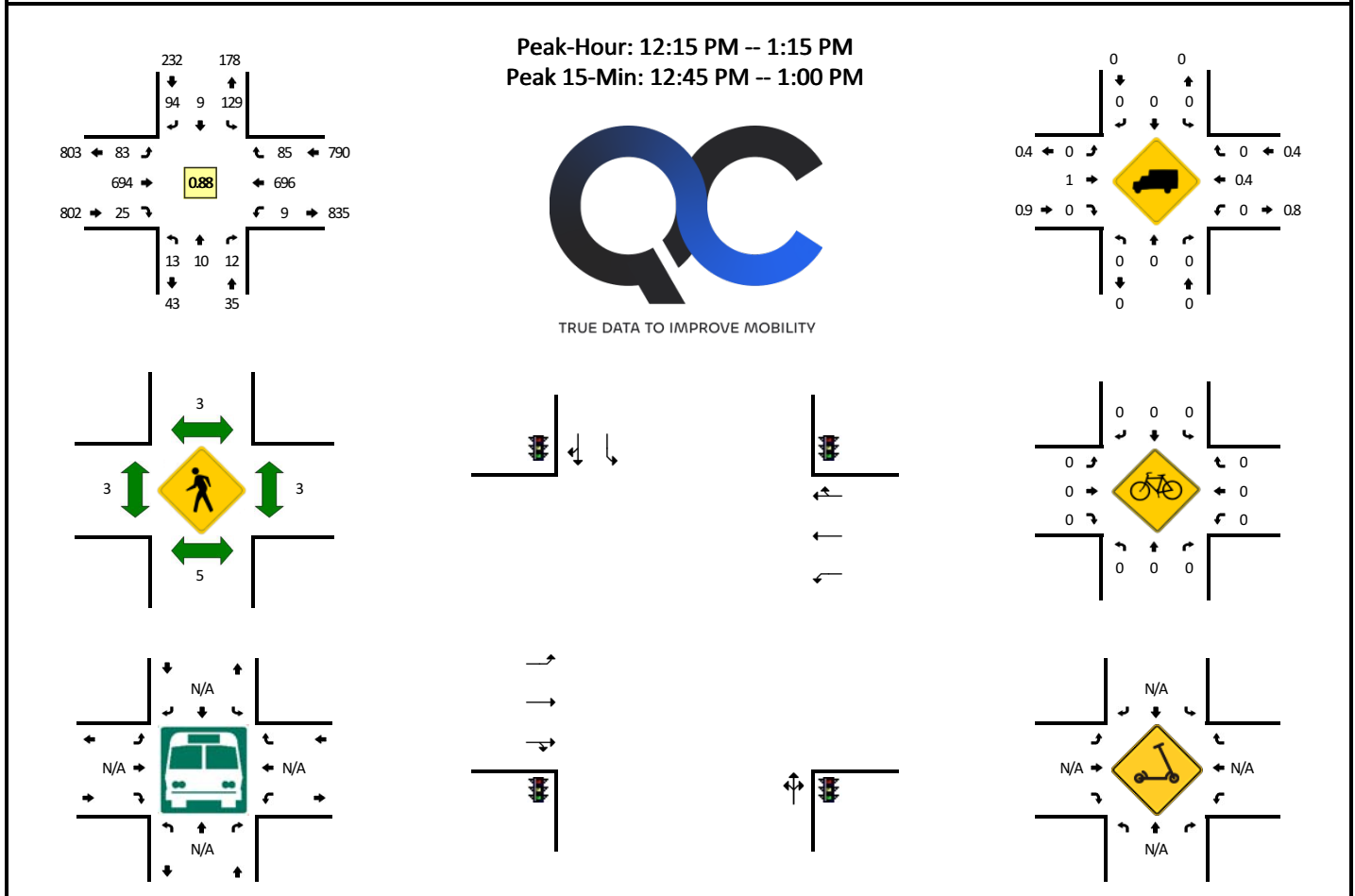
Comments:

Report generated on 9/19/2025 12:30 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212

LOCATION: N Maplemere Rd -- Maple Rd
CITY/STATE: Erie, NY

QC JOB #: 17217108
DATE: Sat, Sep 13 2025

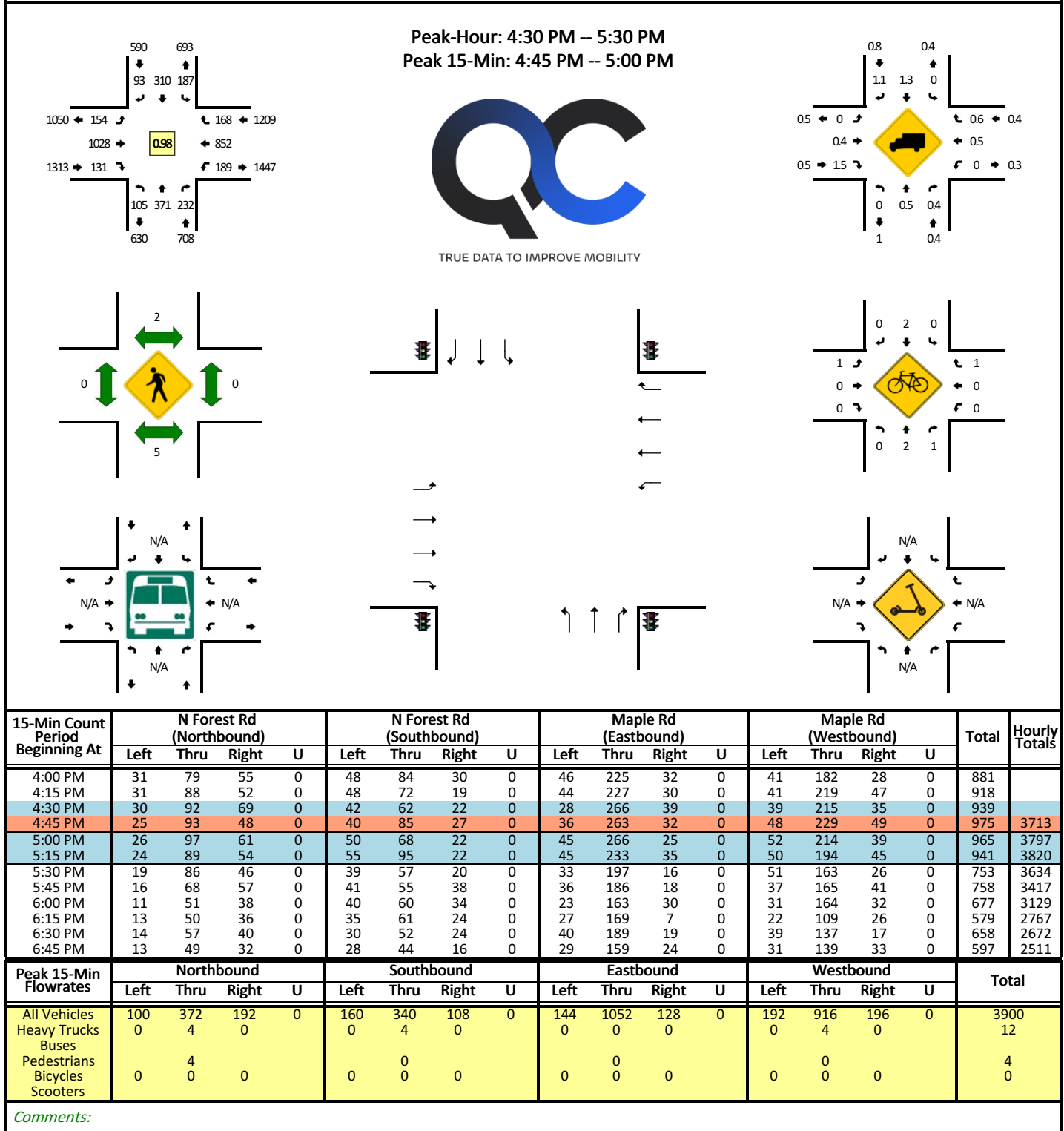


15-Min Count Period Beginning At	N Maplemere Rd (Northbound)				N Maplemere Rd (Southbound)				Maple Rd (Eastbound)				Maple Rd (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	2	0	2	0	11	2	7	0	17	156	2	0	3	167	14	0	383	
11:15 AM	2	0	4	0	11	1	4	0	7	167	5	0	6	180	11	0	398	
11:30 AM	4	0	2	0	10	0	29	0	12	180	1	0	3	166	17	0	424	
11:45 AM	1	4	6	0	7	2	10	0	7	182	3	0	3	180	15	0	420	1625
12:00 PM	3	1	4	0	11	2	9	0	7	181	8	0	3	159	4	0	392	1634
12:15 PM	5	3	2	0	7	1	12	0	16	194	4	0	1	171	9	0	425	1661
12:30 PM	3	3	3	0	38	3	17	0	25	172	5	0	2	177	27	0	475	1712
12:45 PM	5	4	1	0	55	4	34	0	24	168	7	0	3	197	28	0	530	1822
1:00 PM	0	0	6	0	29	1	31	0	18	160	9	0	3	151	21	0	429	1859
1:15 PM	2	1	2	0	5	2	4	0	12	165	2	0	4	153	14	0	366	1800
1:30 PM	2	1	3	0	14	0	7	0	6	182	3	0	2	176	7	0	403	1728
1:45 PM	3	0	1	0	7	2	20	0	11	181	2	0	3	163	12	0	405	1603
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	20	16	4	0	220	16	136	0	96	672	28	0	12	788	112	0	2120	
Heavy Trucks	0	0	0	0	0	0	0	0	0	4	0	0	0	8	0	0	12	
Buses																		
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bicycles																		
Scooters																		

Comments:

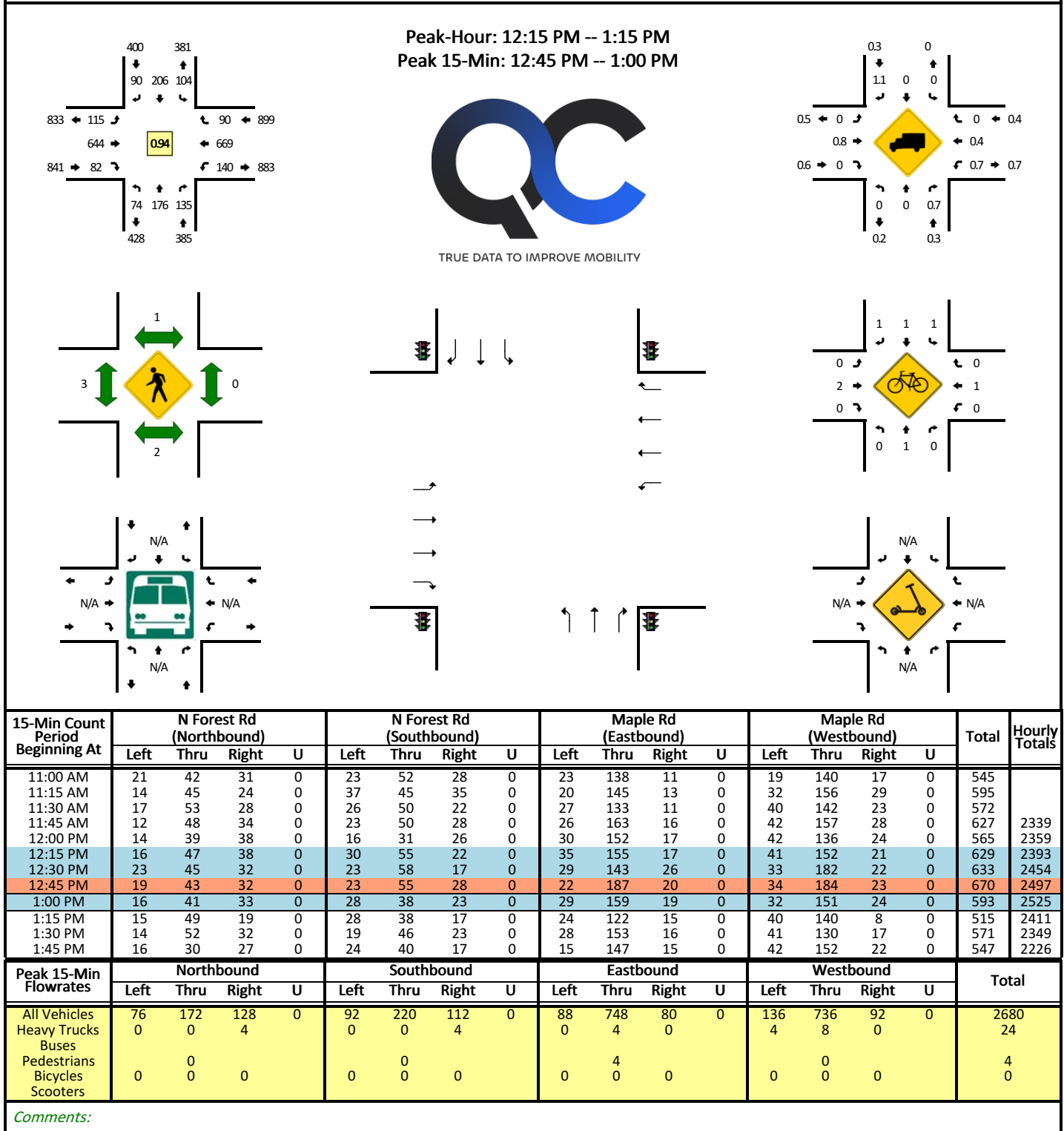
LOCATION: N Forest Rd -- Maple Rd
CITY/STATE: Erie, NY

QC JOB #: 17217109
DATE: Thu, Sep 11 2025



LOCATION: N Forest Rd -- Maple Rd
CITY/STATE: Erie, NY

QC JOB #: 17217110
DATE: Sat, Sep 13 2025

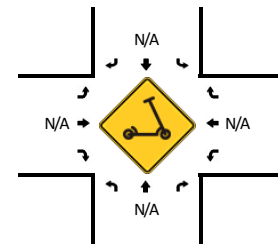
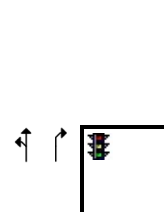
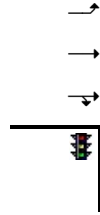
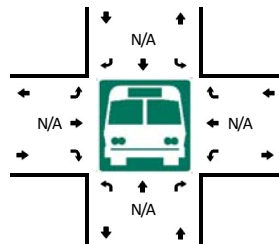
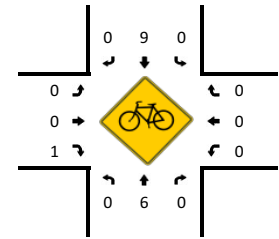
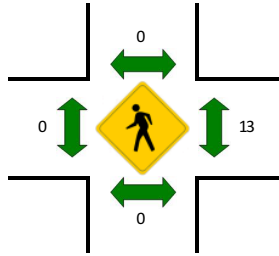
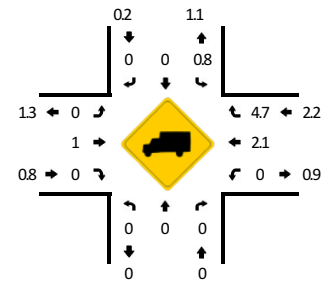
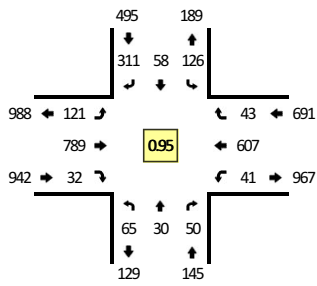


Report generated on 9/19/2025 12:30 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212

LOCATION: Coventry Rd/N Maplemere Rd -- CR 263**CITY/STATE:** University at Buffalo, NY**QC JOB #:** 17217111**DATE:** Thu, Sep 11 2025

Peak-Hour: 4:30 PM -- 5:30 PM
Peak 15-Min: 5:00 PM -- 5:15 PM

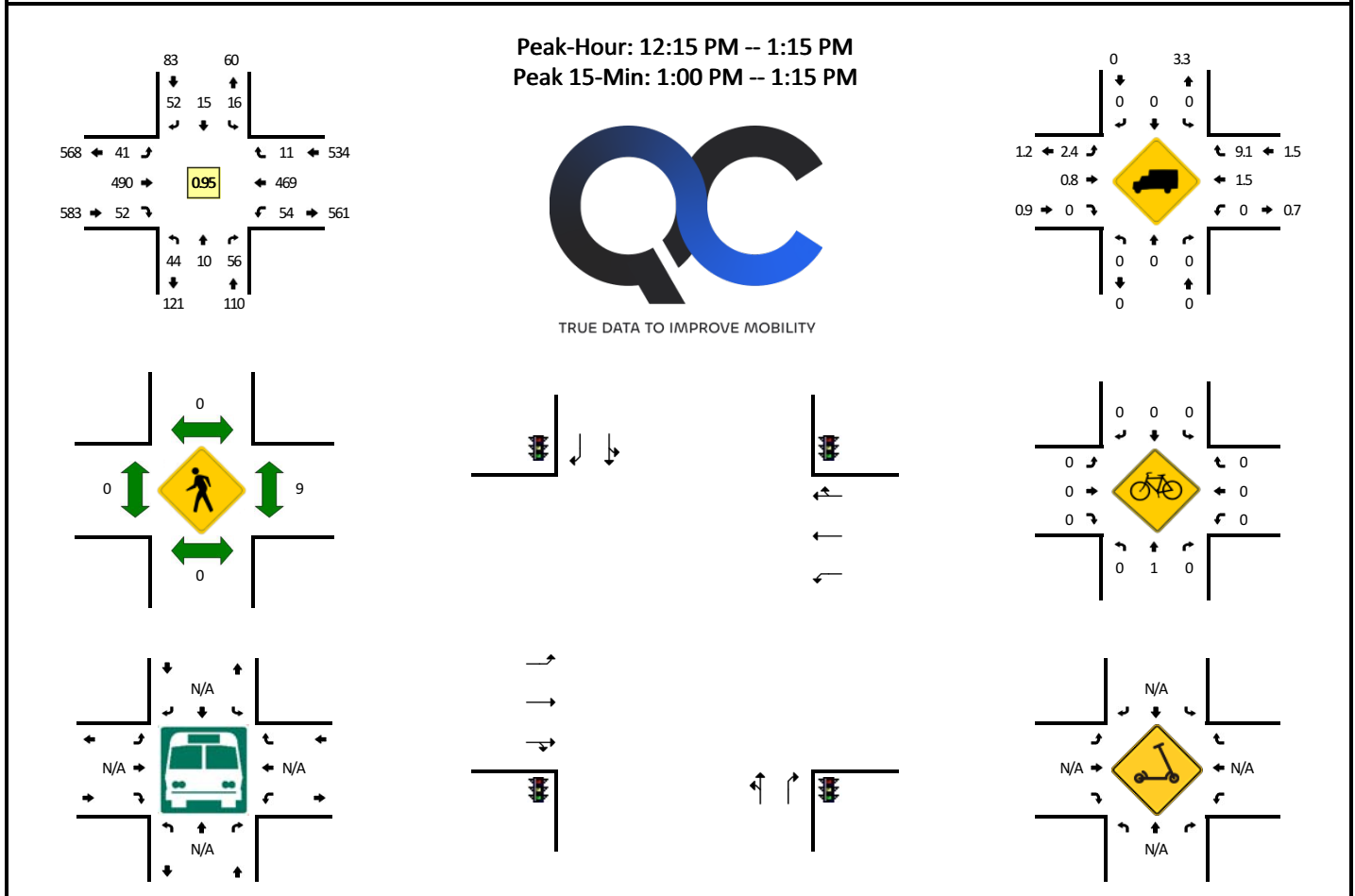


15-Min Count Period Beginning At	Coventry Rd/N Maplemere Rd (Northbound)				Coventry Rd/N Maplemere Rd (Southbound)				CR 263 (Eastbound)				CR 263 (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
4:00 PM	32	4	26	0	12	17	60	0	29	195	9	3	8	149	11	0	555	
4:15 PM	20	5	13	0	16	14	28	0	25	186	6	5	6	136	6	1	467	
4:30 PM	24	4	18	0	32	17	69	0	30	144	8	3	13	147	13	1	523	
4:45 PM	14	11	14	0	26	17	65	0	37	225	4	0	6	157	15	1	592	2137
5:00 PM	18	10	9	0	50	12	111	0	19	196	8	1	6	153	8	0	601	2183
5:15 PM	9	5	9	0	18	12	66	0	30	224	12	1	14	150	7	0	557	2273
5:30 PM	2	2	10	0	20	11	57	0	29	176	3	4	21	117	9	0	461	2211
5:45 PM	4	8	11	0	16	6	45	0	23	172	7	2	7	125	6	0	432	2051
6:00 PM	8	7	11	0	15	7	51	0	29	159	7	1	14	157	9	0	475	1925
6:15 PM	9	14	13	0	18	12	53	0	33	125	2	1	8	108	12	0	408	1776
6:30 PM	3	14	9	0	11	12	42	0	42	130	5	2	6	132	9	0	417	1732
6:45 PM	4	4	5	0	24	10	48	0	33	107	3	2	6	85	12	0	343	1643
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	72	40	36	0	200	48	444	0	76	784	32	4	24	612	32	0	2404	
Heavy Trucks	0	0	0	0	4	0	0	0	0	8	0	0	0	4	0	0	16	
Buses																		
Pedestrians	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	16	
Bicycles																		
Scooters																		

Comments:

Report generated on 9/19/2025 12:30 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212

LOCATION: Coventry Rd/N Maplemere Rd -- CR 263**QC JOB #:** 17217112**CITY/STATE:** University at Buffalo, NY**DATE:** Sat, Sep 13 2025

15-Min Count Period Beginning At	Coventry Rd/N Maplemere Rd (Northbound)				Coventry Rd/N Maplemere Rd (Southbound)				CR 263 (Eastbound)				CR 263 (Westbound)				Total	Hourly Totals
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
11:00 AM	6	3	6	0	2	7	11	0	11	108	10	1	7	134	3	1	310	
11:15 AM	10	5	16	0	6	2	16	0	12	117	4	1	2	112	2	0	305	
11:30 AM	17	3	3	0	9	8	35	0	21	87	9	1	7	103	3	1	307	
11:45 AM	3	2	9	0	8	3	25	0	14	110	8	0	10	136	6	0	334	1256
12:00 PM	5	1	7	0	4	7	19	0	13	122	4	1	6	86	3	1	279	1225
12:15 PM	7	3	5	0	5	2	14	1	5	107	14	1	9	123	2	0	298	1218
12:30 PM	10	3	12	0	2	1	10	0	8	127	15	0	17	122	1	0	328	1239
12:45 PM	7	3	16	0	6	10	11	0	14	131	13	0	21	103	5	0	340	1245
1:00 PM	20	1	23	0	2	2	17	0	11	125	10	2	7	121	3	0	344	1310
1:15 PM	4	1	3	0	4	1	14	0	9	113	11	3	8	101	5	0	277	1289
1:30 PM	10	3	5	0	3	1	5	0	13	122	8	1	8	117	3	0	299	1260
1:45 PM	9	5	8	0	8	2	17	0	13	102	8	3	12	98	6	0	291	1211
Peak 15-Min Flowrates	Northbound				Southbound				Eastbound				Westbound				Total	
	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U		
All Vehicles	80	4	92	0	8	8	68	0	44	500	40	8	28	484	12	0	1376	
Heavy Trucks	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8	
Buses																		
Pedestrians		0				0				0				12			12	
Bicycles	0	4	0		0	0	0		0	0	0		0	0	0		4	
Scooters																		

Comments:

Report generated on 9/19/2025 12:30 PM

SOURCE: Quality Counts, LLC (<http://www.qualitycounts.net>) 1-877-580-2212



ATTACHMENT C

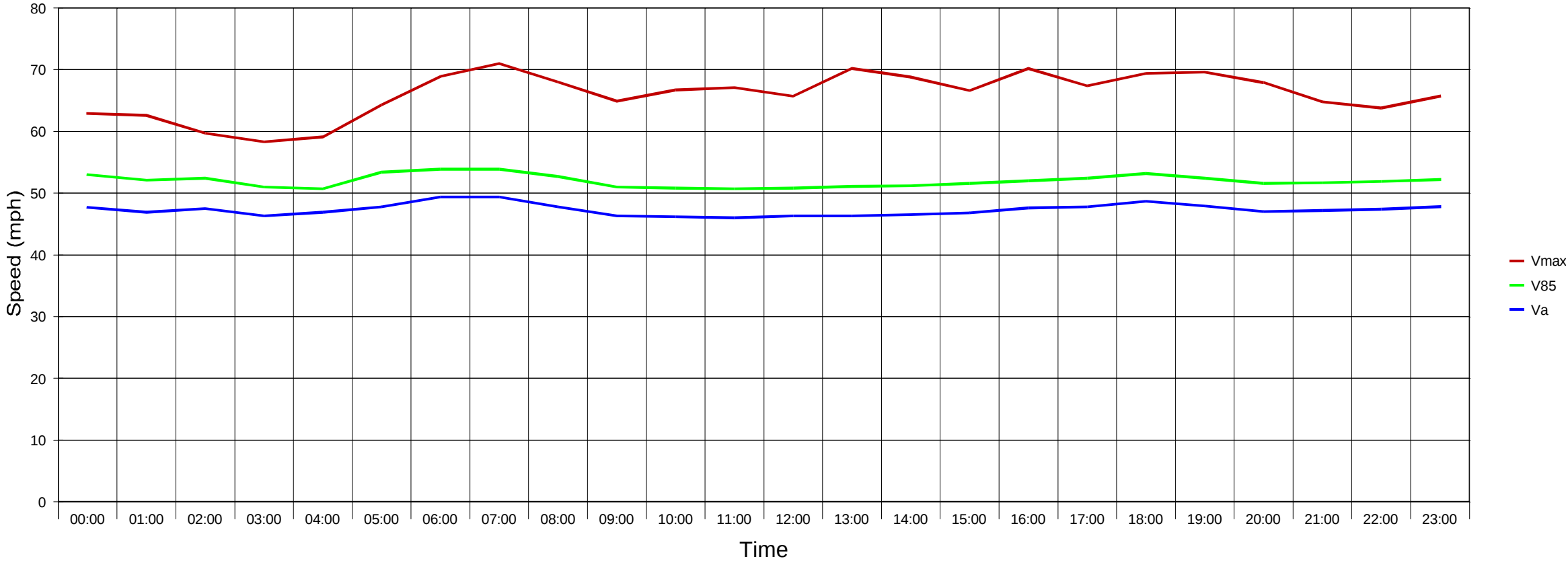
AUTOMATIC TRAFFIC RECORDER (ATR) DATA

**PROPOSED SPORTS COMPLEX AND HOTEL
TOWN OF AMHERST
ERIE COUNTY, NY**

Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, EB, 950 ft east of Donna Lea Blvd.; Lat.: 42°59'28.81"N; Long.,78°46'24.73"W, "+" = EB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

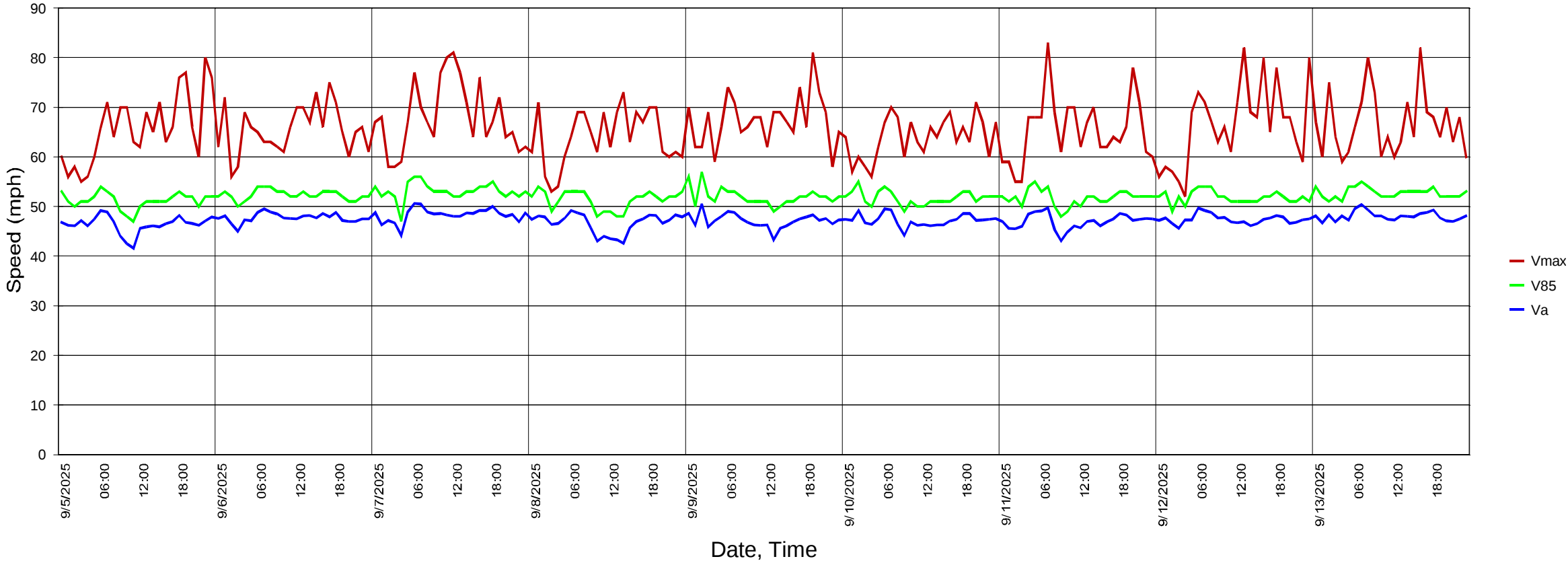
Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	64 %		Count	%	V15	Va	V85	Vmax
		Motorcycle/sm	2422	2.5	41	46	52	75
	4.3 sec.	Car	93229	94.6	42	47	52	83
	95 %	Truck	2513	2.5	41	45	50	64
		Tractor-Trailer	403	0.4	39	43	48	56
	10953	Total	98567	100	42	47	52	83
	3 %							



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, EB, 950 ft east of Donna Lea Blvd.; Lat.: 42°59'28.81"N; Long.,78°46'24.73"W, "+" = EB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

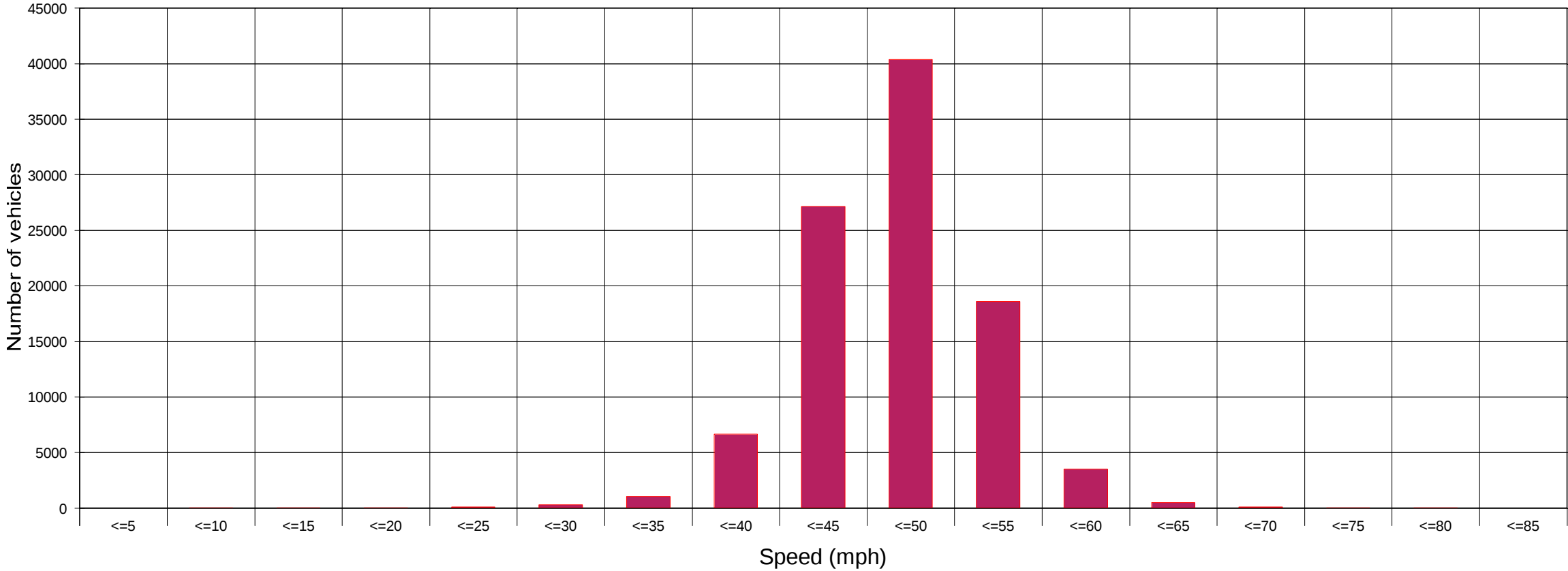
Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	64 %		Count	%	V15	Va	V85	Vmax
	4.3 sec.	Motorcycle/sm	2422	2.5	41	46	52	75
	95 %	Car	93229	94.6	42	47	52	83
	10953	Truck	2513	2.5	41	45	50	64
	3 %	Tractor-Trailer	403	0.4	39	43	48	56
		Total	98567	100	42	47	52	83



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, EB, 950 ft east of Donna Lea Blvd.; Lat.: 42°59'28.81"N; Long.,78°46'24.73"W, "+" = EB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

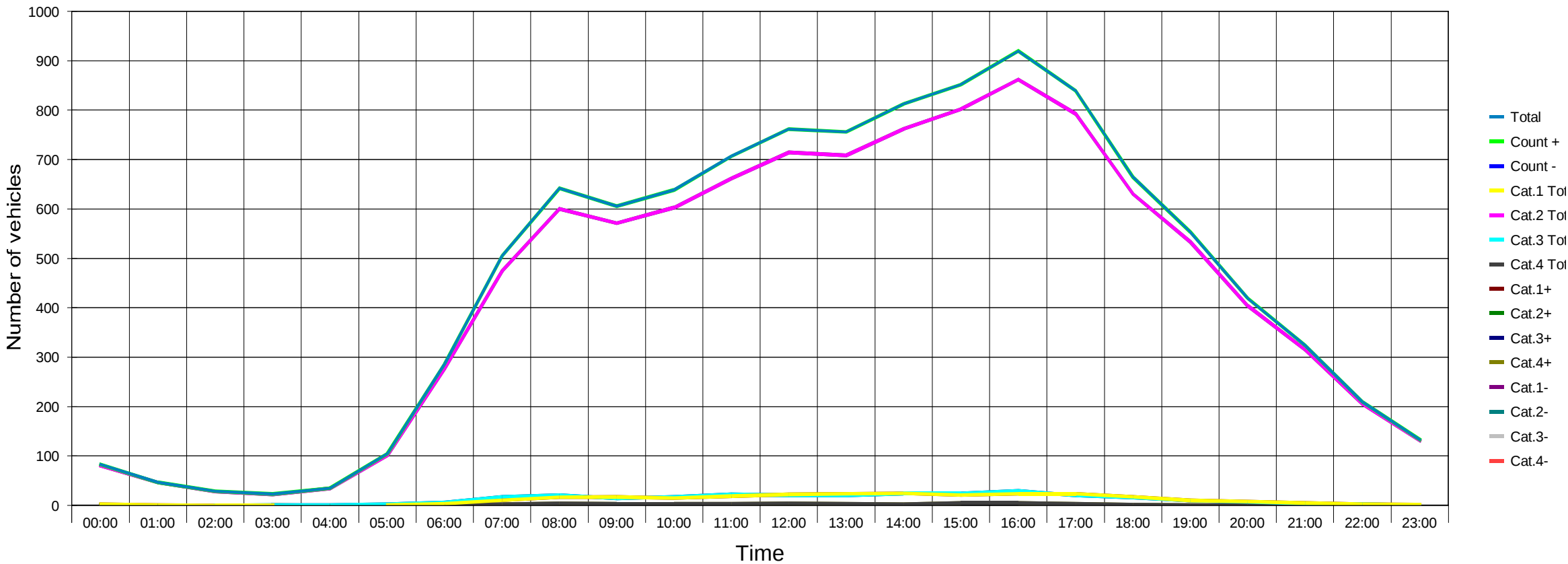
			Count	%	V15	Va	V85	Vmax	
Speed violations:	64	%	Motorcycle/sm	2422	2.5	41	46	52	75
Average time interval:	4.3	sec.	Car	93229	94.6	42	47	52	83
Traffic in column:	95	%	Truck	2513	2.5	41	45	50	64
ADT:	10953		Tractor-Trailer	403	0.4	39	43	48	56
Truck Share:	3	%	Total	98567	100	42	47	52	83



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, EB, 950 ft east of Donna Lea Blvd.; Lat.: 42°59'28.81"N; Long.,78°46'24.73"W, "+" = EB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

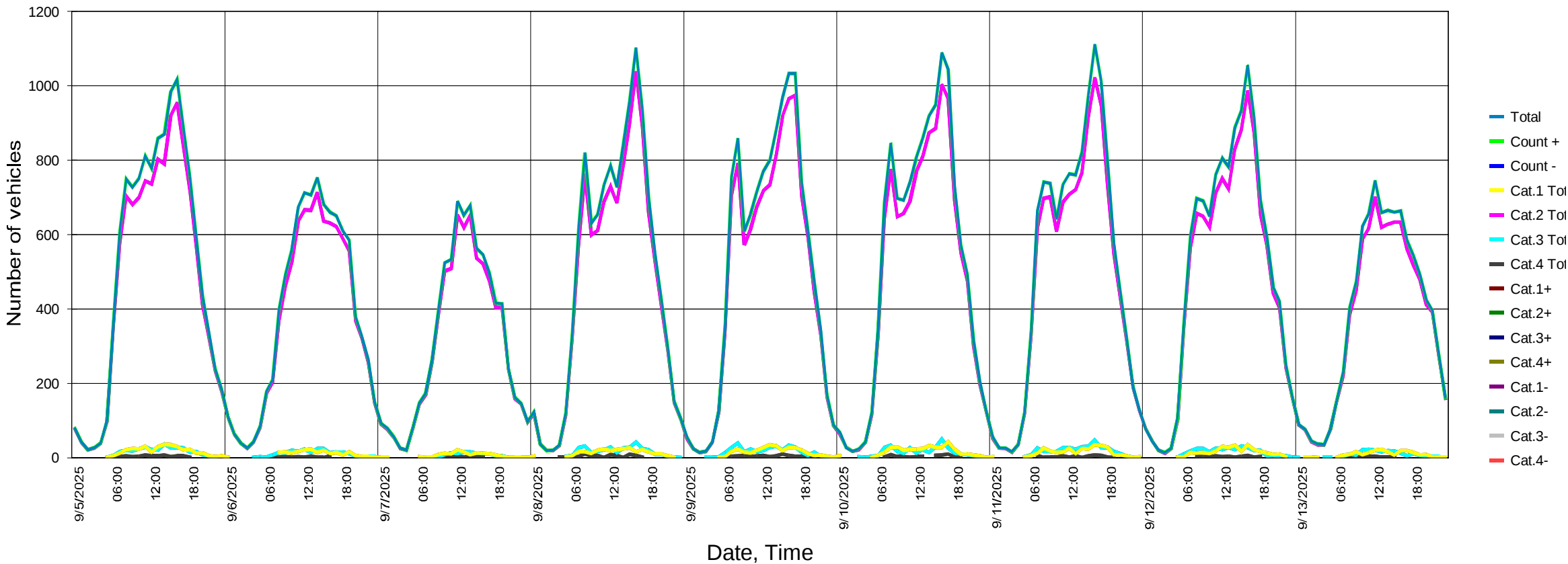
Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	64 %	Motorcycle/sm	Count	%	V15	Va	V85	Vmax
	4.3 sec.	Car	93229	94.6	42	47	52	83
	95 %	Truck	2513	2.5	41	45	50	64
		Tractor-Trailer	403	0.4	39	43	48	56
	10953	Total	98567	100	42	47	52	83
	3 %							



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, EB, 950 ft east of Donna Lea Blvd.; Lat.: 42°59'28.81"N; Long.,78°46'24.73"W, "+" = EB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

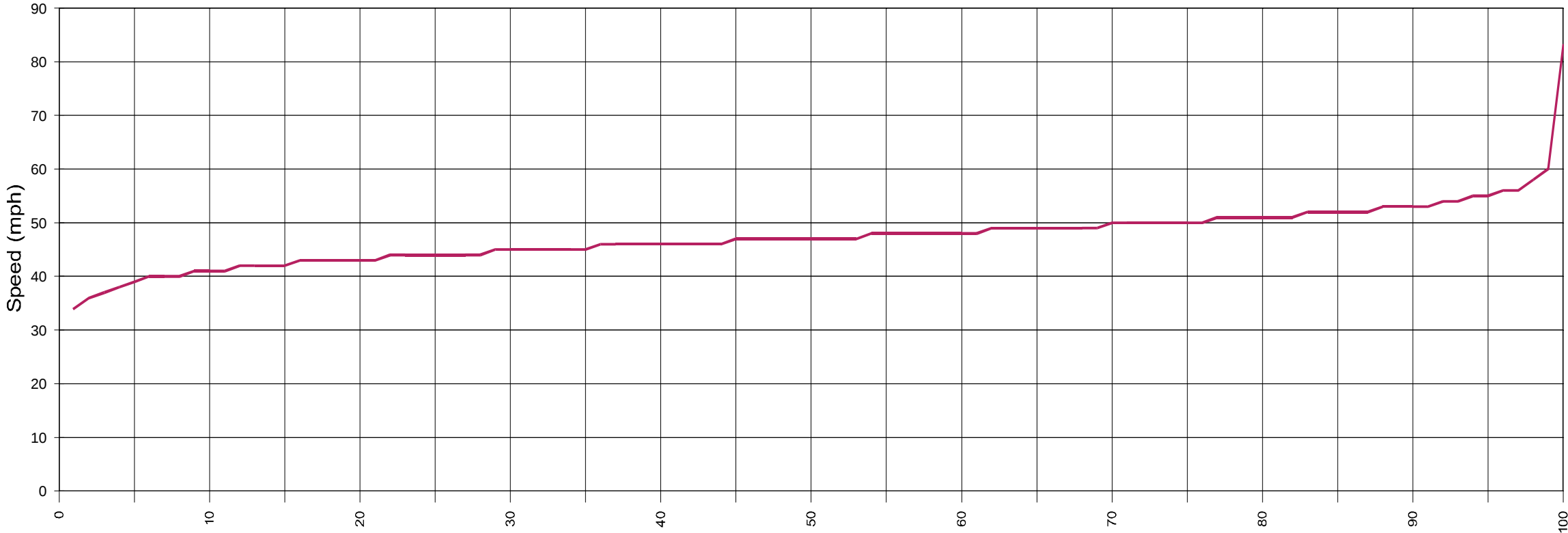
			Count	%	V15	Va	V85	Vmax
Speed violations:	64 %	Motorcycle/sm	2422	2.5	41	46	52	75
Average time interval:	4.3 sec.	Car	93229	94.6	42	47	52	83
Traffic in column:	95 %	Truck	2513	2.5	41	45	50	64
ADT:	10953	Tractor-Trailer	403	0.4	39	43	48	56
Truck Share:	3 %	Total	98567	100	42	47	52	83



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, EB, 950 ft east of Donna Lea Blvd.; Lat.: 42°59'28.81"N; Long.,78°46'24.73"W, "+" = EB



Vx (%) Comment: x % of vehicles are driving at or below y mph

Statistics

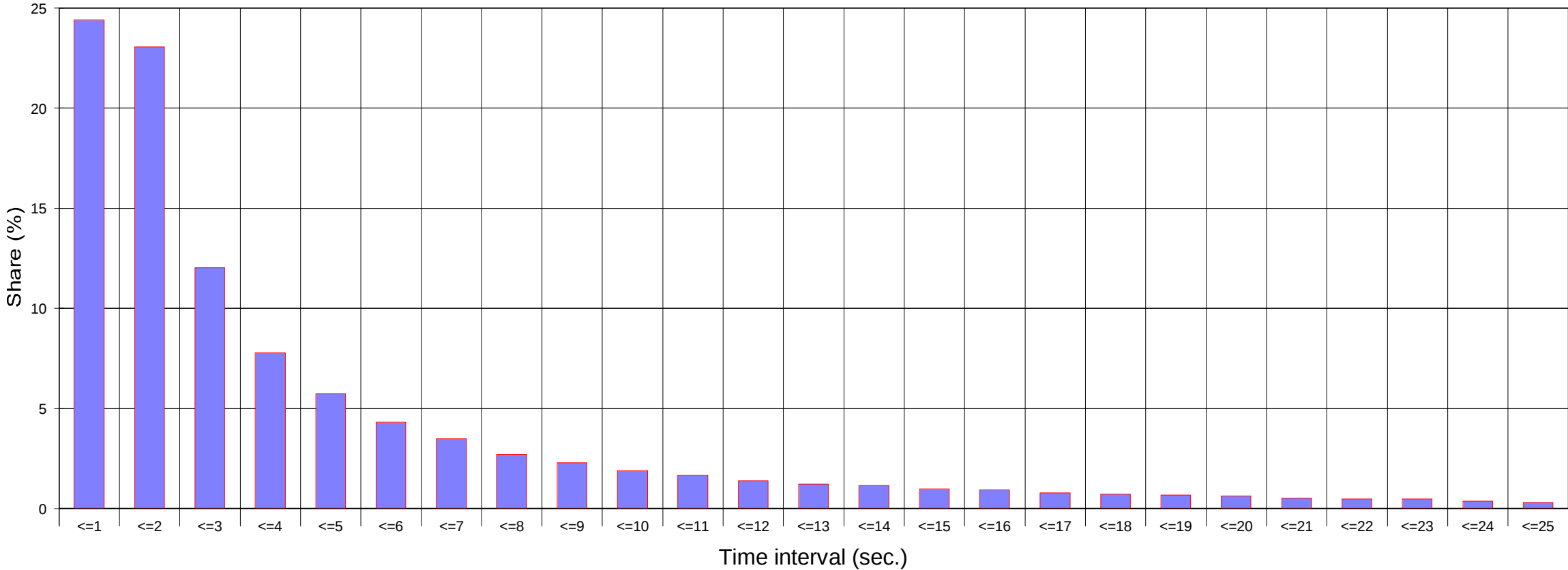
Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

			Count	%	V15	Va	V85	Vmax	
Speed violations:	64	%	Motorcycle/sm	2422	2.5	41	46	52	75
Average time interval:	4.3	sec.	Car	93229	94.6	42	47	52	83
Traffic in column:	95	%	Truck	2513	2.5	41	45	50	64
ADT:	10953		Tractor-Trailer	403	0.4	39	43	48	56
Truck Share:	3	%	Total	98567	100	42	47	52	83



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363

Maple Road, EB, 950 ft east of Donna Lea Blvd.; Lat.: 42°59'28.81"N; Long.,78°46'24.73"W, "+" = EB



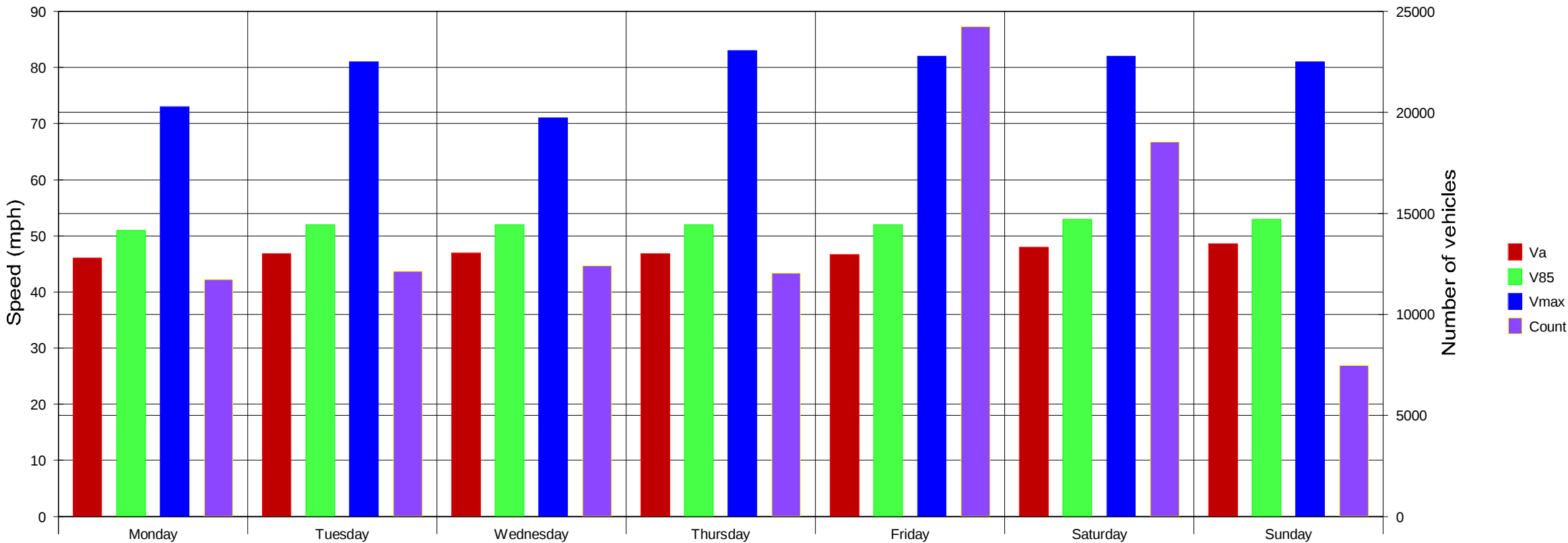
Statistics								
Period:		Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock						
Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	64 %		Count	%	V15	Va	V85	Vmax
		Motorcycle/sm	2422	2.5	41	46	52	75
	4.3 sec.	Car	93229	94.6	42	47	52	83
	95 %	Truck	2513	2.5	41	45	50	64
		Tractor-Trailer	403	0.4	39	43	48	56
		Total	98567	100	42	47	52	83



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, EB, 950 ft east of Donna Lea Blvd.; Lat.: 42°59'28.81"N; Long.,78°46'24.73"W, "+" = EB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

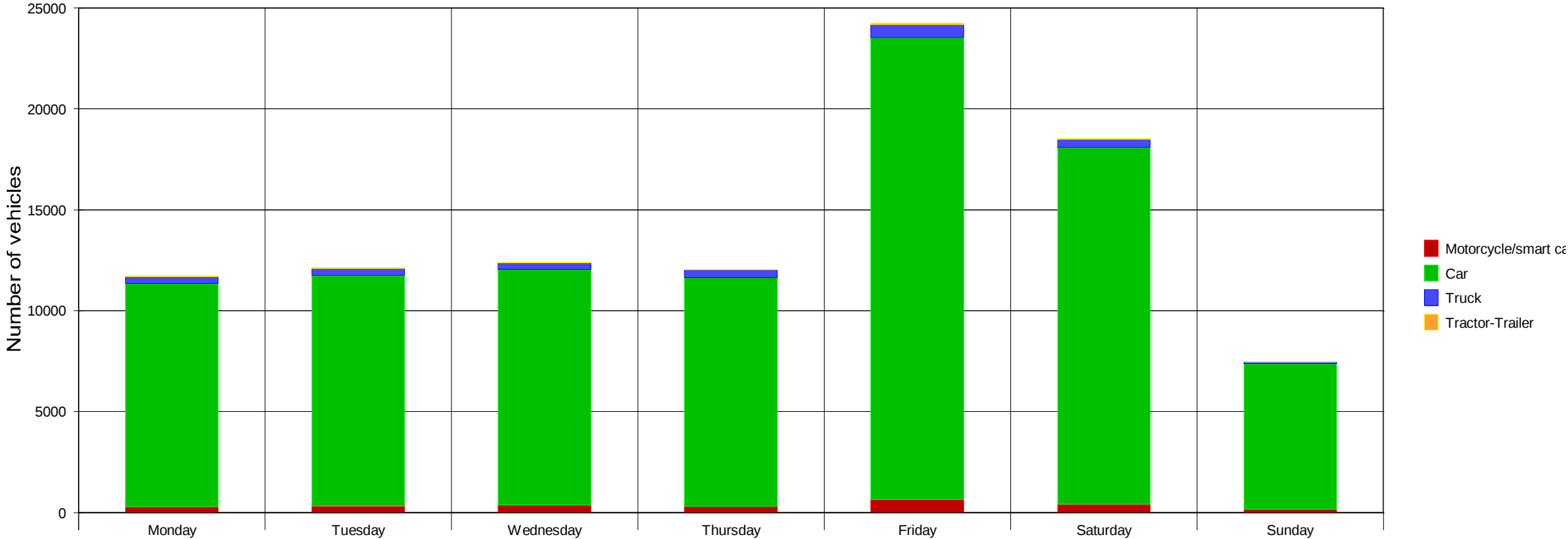
Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	64 %	Motorcycle/sm	Count	%	V15	Va	V85	Vmax
	4.3 sec.	Car	93229	94.6	42	47	52	83
	95 %	Truck	2513	2.5	41	45	50	64
		Tractor-Trailer	403	0.4	39	43	48	56
	10953	Total	98567	100	42	47	52	83
	3 %							



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, EB, 950 ft east of Donna Lea Blvd.; Lat.: 42°59'28.81"N; Long.,78°46'24.73"W, "+" = EB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

			Count	%	V15	Va	V85	Vmax
Speed violations:	64 %	Motorcycle/sm	2422	2.5	41	46	52	75
Average time interval:	4.3 sec.	Car	93229	94.6	42	47	52	83
Traffic in column:	95 %	Truck	2513	2.5	41	45	50	64
ADT:	10953	Tractor-Trailer	403	0.4	39	43	48	56
Truck Share:	3 %	Total	98567	100	42	47	52	83



Detailed evaluation Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

		Car					Truck					Tractor-Trailer					Truck + Tractor-Trailer					Total:				
Evaluation:		Count	Share [%]	Va mph	V85 mph	Vmax mph	Count	Share [%]	Va mph	V85 mph	Vmax mph	Count	Share [%]	Va mph	V85 mph	Vmax mph	Count	Share [%]	Va mph	V85 mph	Vmax mph	Count	Share [%]	Va mph	V85 mph	Vmax mph
Direction +	Day:	56667	93.8	47	52	83	1797	3	45	50	64	308	0.5	43	48	56	2105	3.5	45	50	64	60437	61.3	47	51	83
	Evening:	7912	96.2	47	52	81	146	1.8	46	51	58	12	0.1	46	49	54	158	1.9	46	51	58	8228	8.3	47	52	81
	Night:	3686	97.2	48	52	80	43	1.1	46	50	60	9	0.2	42	47	48	52	1.4	46	49	60	3791	3.8	47	52	80
	16 Hours:	64630	94	47	52	83	1943	2.8	45	50	64	320	0.5	43	48	56	2263	3.3	45	50	64	68719	69.7	47	52	83
	Weekday traffic:	68354	94.2	47	52	83	1986	2.7	45	50	64	329	0.5	43	48	56	2315	3.2	45	50	64	72548	73.6	47	52	83
	Weekend traffic:	24875	95.6	48	53	82	527	2	47	51	60	74	0.3	45	48	55	601	2.3	47	51	60	26019	26.4	48	53	82
	Total traffic:	93229	94.6	47	52	83	2513	2.5	45	50	64	403	0.4	43	48	56	2916	3	45	50	64	98567	100	47	52	83
Direction -	Day:	0	0				0	0				0	0				0	0				0	0			
	Evening:	0	0				0	0				0	0				0	0				0	0			
	Night:	0	0				0	0				0	0				0	0				0	0			
	16 Hours:	0	0				0	0				0	0				0	0				0	0			
	Weekday traffic:	0	0				0	0				0	0				0	0				0	0			
	Weekend traffic:	0	0				0	0				0	0				0	0				0	0			
	Total traffic:	0	0				0	0				0	0				0	0				0	0			
Total	Day:	56667	93.8	47	52	83	1797	3	45	50	64	308	0.5	43	48	56	2105	3.5	45	50	64	60437	61.3	47	51	83
	Evening:	7912	96.2	47	52	81	146	1.8	46	51	58	12	0.1	46	49	54	158	1.9	46	51	58	8228	8.3	47	52	81
	Night:	3686	97.2	48	52	80	43	1.1	46	50	60	9	0.2	42	47	48	52	1.4	46	49	60	3791	3.8	47	52	80
	16 Hours:	64630	94	47	52	83	1943	2.8	45	50	64	320	0.5	43	48	56	2263	3.3	45	50	64	68719	69.7	47	52	83
	Weekday traffic:	68354	94.2	47	52	83	1986	2.7	45	50	64	329	0.5	43	48	56	2315	3.2	45	50	64	72548	73.6	47	52	83
	Weekend traffic:	24875	95.6	48	53	82	527	2	47	51	60	74	0.3	45	48	55	601	2.3	47	51	60	26019	26.4	48	53	82
	Total traffic:	93229	94.6	47	52	83	2513	2.5	45	50	64	403	0.4	43	48	56	2916	3	45	50	64	98567	100	47	52	83



Detailed evaluation Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

Evaluation:				Average Traffic									
	From - To	Days	Dir.	Day:		Evening:		Night:		16 Hours:		ADT	
From - To				06:00 - 18:59		19:00 - 21:59		22:00 - 05:59		06:00 - 21:59		00:00 - 23:59	
Days				9		9		8.998		9		8.999	
				AT [veh./h]	AT [veh./13h]	AT [veh./h]	AT [veh./3h]	AT [veh./h]	AT [veh./8h]	AT [veh./h]	AT [veh./16h]	AT [veh./h]	ADT [veh./24h]
Weekday traffic:	Mon - Fri	6	+	776	10073	460	1371	79	632	717	11453	504	12091
			-	0	0	0	0	0	0	0	0	0	0
			T	776	10073	460	1371	79	632	717	11453	504	12091
Weekend traffic:	Sat - Sun	2.999	+	524	6798	380	1135	91	726	497	7943	361	8675
			-	0	0	0	0	0	0	0	0	0	0
			T	524	6798	380	1135	91	726	497	7943	361	8675
Total traffic:		8.999	+	692	8981	433	1292	83	663	643	10283	456	10953
			-	0	0	0	0	0	0	0	0	0	0
			T	692	8981	433	1292	83	663	643	10283	456	10953



Detailed evaluation Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

Evaluation:				Peak hours				K - Factors		
	From - To	Days	Dir.	From mean values		Absolute		K6	K16	K200
From - To								06:00 - 08:59	06:00 - 21:59	Peak hour
				Time	[veh./h]	Date, time	[veh./h]	15:00 - 17:59		
Weekday traffic:	Mon - Fri	6	+	16:15	1082	9/11/2025, 16:30	1136	0.394	0.947	0.089
			-	00:00	0	0	0	0	0	0
			T	16:15	1082	9/11/2025, 16:30	1136	0.394	0.947	0.089
Weekend traffic:	Sat - Sun	2.999	+	12:15	748	9/6/2025, 12:15	761	0.292	0.915	0.086
			-	00:00	0	0	0	0	0	0
			T	12:15	748	9/6/2025, 12:15	761	0.292	0.915	0.086
Total traffic:		8.999	+	16:15	927	9/11/2025, 16:30	1136	0.367	0.939	0.085
			-	00:00	0	0	0	0	0	0
			T	16:15	927	9/11/2025, 16:30	1136	0.367	0.939	0.085

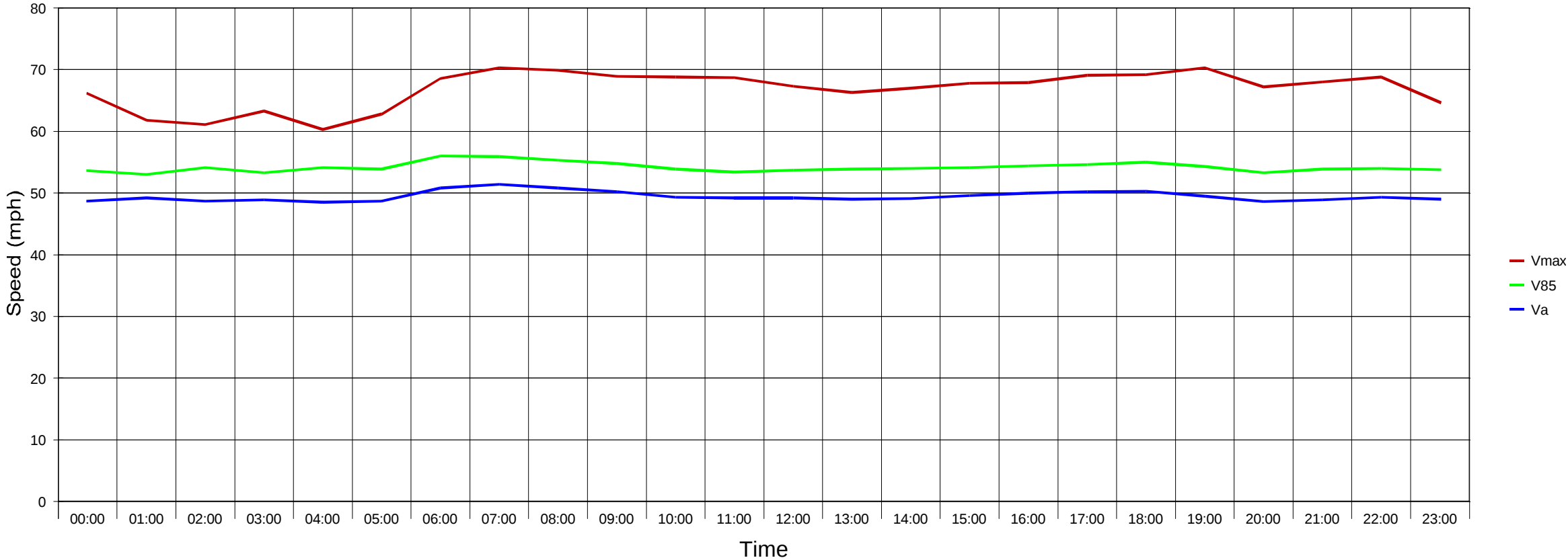
Legend to K-factors:
K(I) -factor: vehicles in period1+2 / ADT
K(J) -factor: vehicles in 16 hrs. period /ADT
K(200)-factor: vehicles in peak hour /ADT



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, WB, 760 ft. west of Sandhurst Ln; Lat = 42°59'29.66"N; Long = 78°46'15.60"W ; "+" = WB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

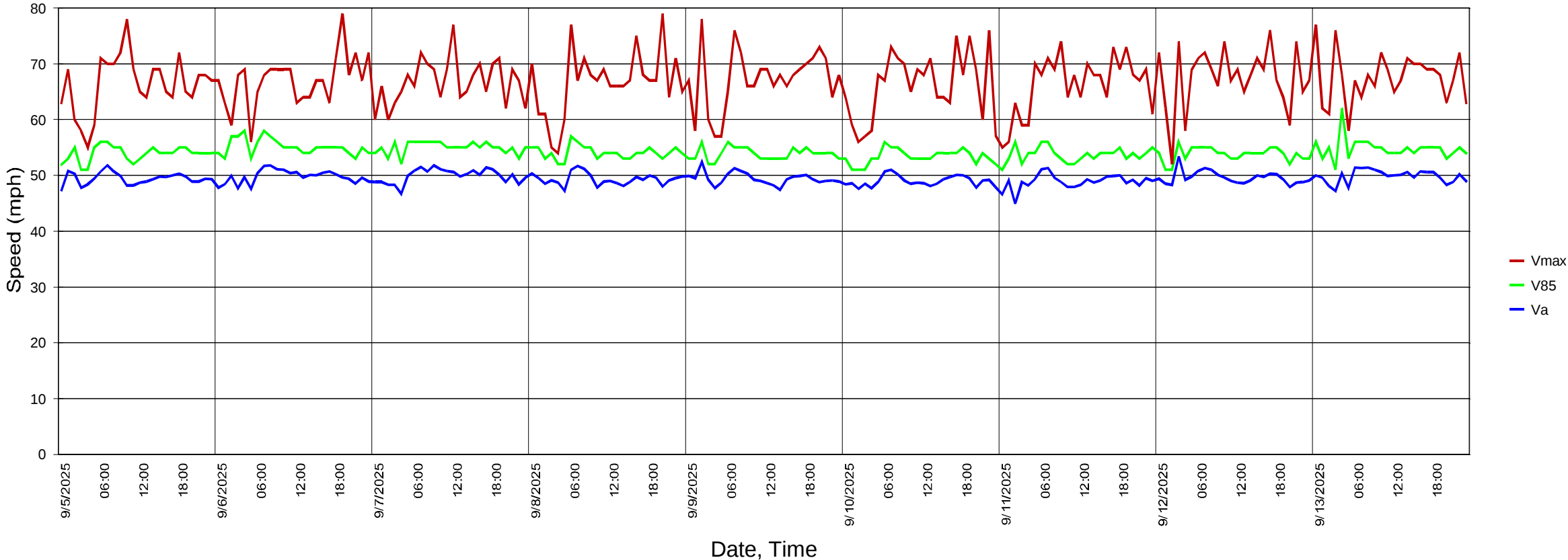
			Count	%	V15	Va	V85	Vmax
Speed violations:	82 %	Motorcycle	2207	2.5	43	49	55	77
Average time interval:	4.2 sec.	Car	82828	94.5	45	50	54	79
Traffic in column:	93 %	Truck	1774	2	46	50	53	70
ADT:	9737	Tractor-Trailer	813	0.9	45	49	53	62
Truck Share:	3 %	Total	87622	100	45	50	54	79



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621 Carlisle Dr, Herndon VA 20170
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Maple Road, WB, 760 ft. west of Sandhurst Ln; Lat = 42°59'29.66"N; Long = 78°46'15.60"W ; "+" = WB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

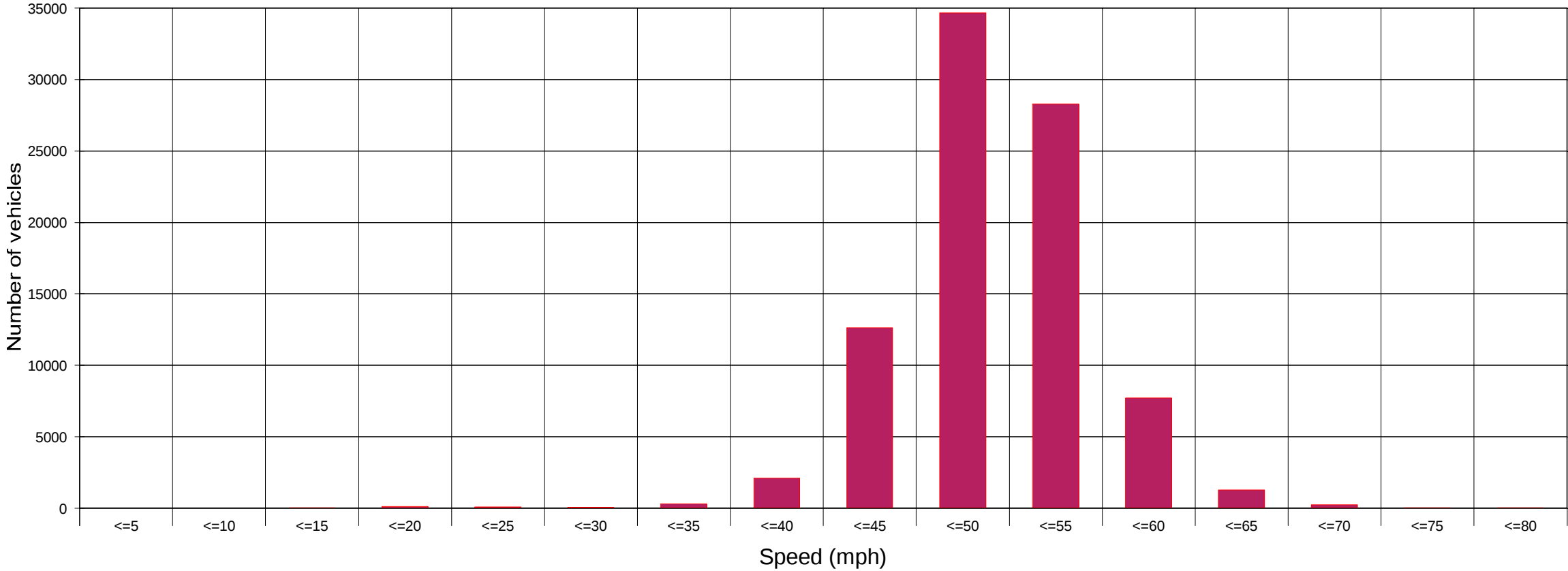
			Count	%	V15	Va	V85	Vmax
Speed violations:	82 %	Motorcycle	2207	2.5	43	49	55	77
Average time interval:	4.2 sec.	Car	82828	94.5	45	50	54	79
Traffic in column:	93 %	Truck	1774	2	46	50	53	70
ADT:	9737	Tractor-Trailer	813	0.9	45	49	53	62
Truck Share:	3 %	Total	87622	100	45	50	54	79



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Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

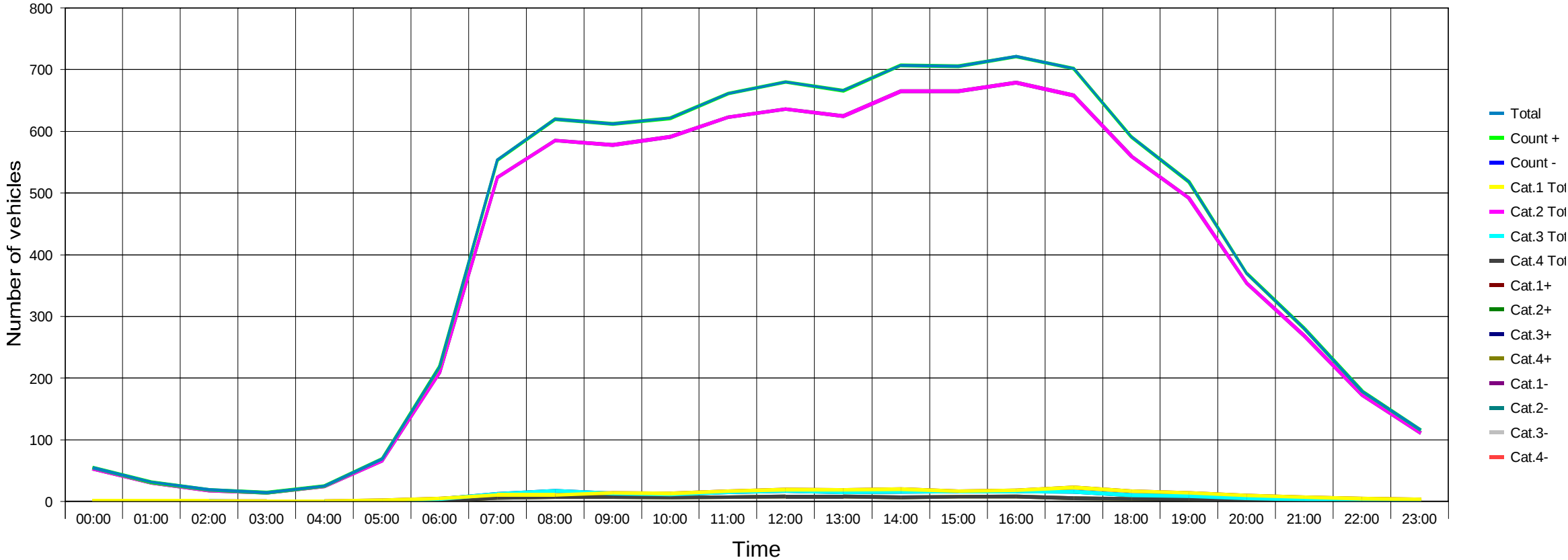
Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	82 %		Count	%	V15	Va	V85	Vmax
		Motorcycle	2207	2.5	43	49	55	77
	4.2 sec.	Car	82828	94.5	45	50	54	79
	93 %	Truck	1774	2	46	50	53	70
		Tractor-Trailer	813	0.9	45	49	53	62
	9737	Total	87622	100	45	50	54	79
	3 %							



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Maple Road, WB, 760 ft. west of Sandhurst Ln; Lat = 42°59'29.66"N; Long = 78°46'15.60"W ; "+" = WB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

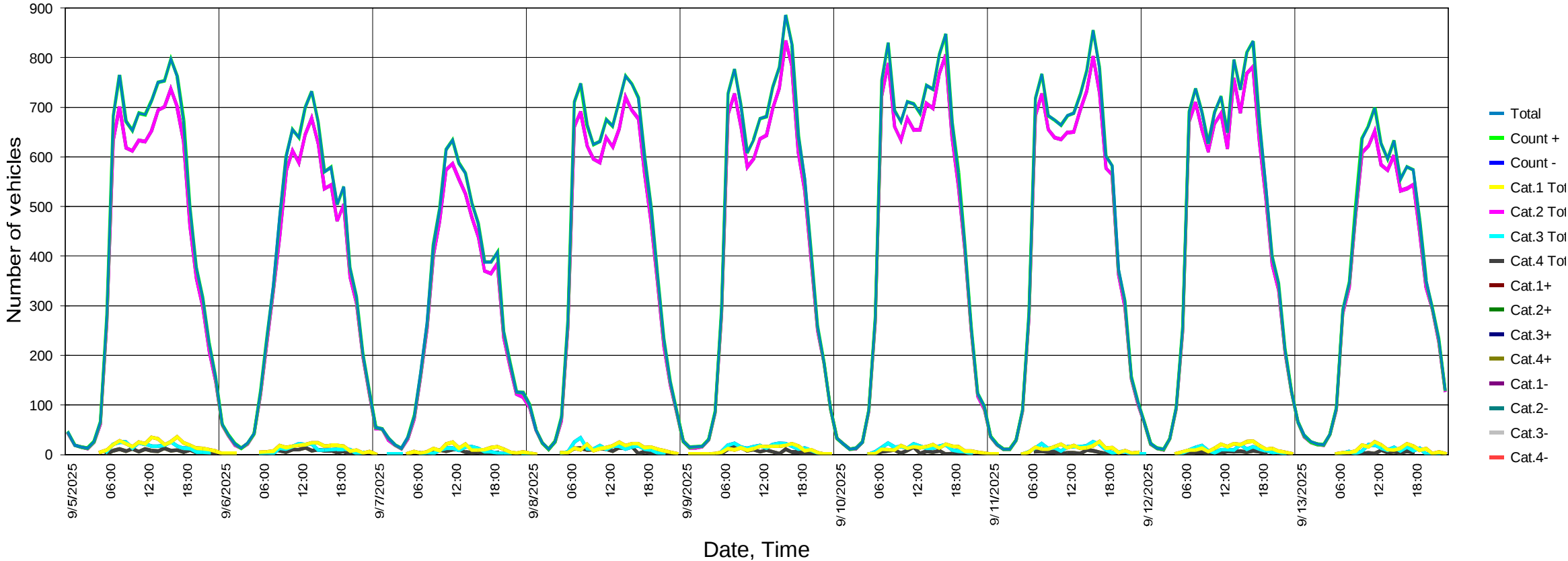
Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	82 %	Motorcycle	Count	%	V15	Va	V85	Vmax
	4.2 sec.	Car	82828	94.5	45	50	54	79
	93 %	Truck	1774	2	46	50	53	70
	9737	Tractor-Trailer	813	0.9	45	49	53	62
	3 %	Total	87622	100	45	50	54	79



Quality Counts L.L.C.
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Maple Road, WB, 760 ft. west of Sandhurst Ln; Lat = 42°59'29.66"N; Long = 78°46'15.60"W ; "+" = WB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

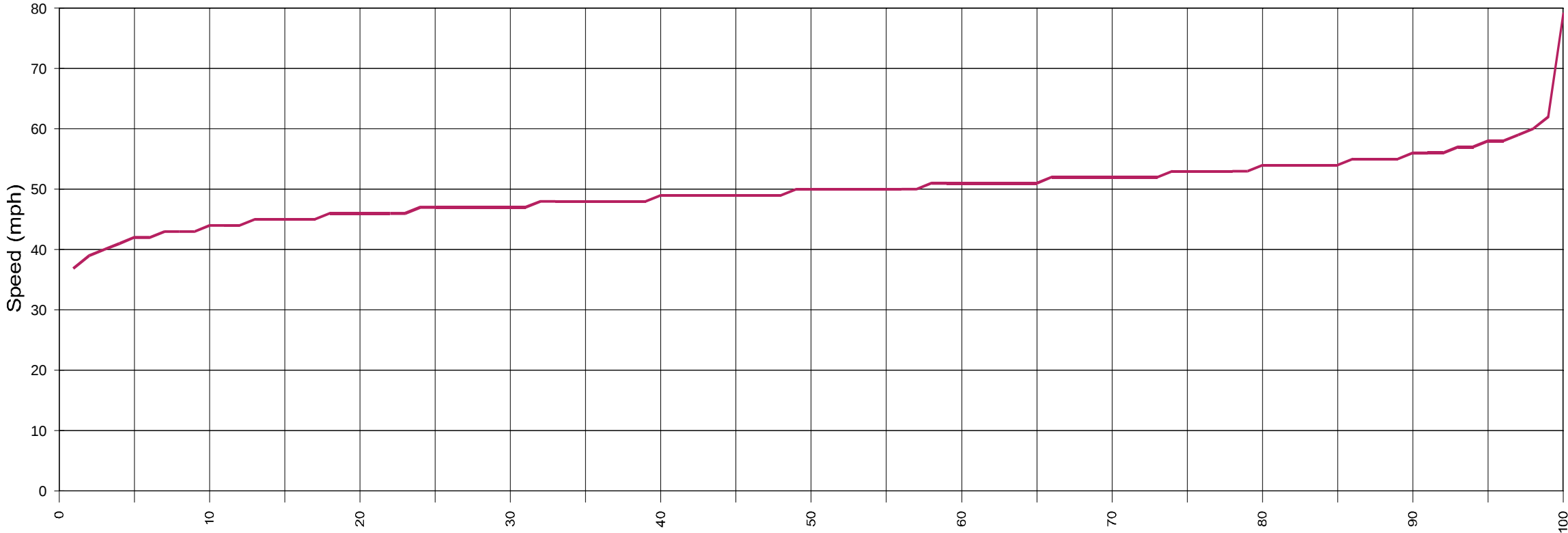
Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	82 %	Motorcycle	Count	%	V15	Va	V85	Vmax
	4.2 sec.	Car	82828	94.5	45	50	54	79
	93 %	Truck	1774	2	46	50	53	70
	9737	Tractor-Trailer	813	0.9	45	49	53	62
	3 %	Total	87622	100	45	50	54	79



Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, WB, 760 ft. west of Sandhurst Ln; Lat = 42°59'29.66"N; Long = 78°46'15.60"W ; "+" = WB



Vx (%) Comment: x % of vehicles are driving at or below y mph

Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	82 %	Motorcycle	Count	%	V15	Va	V85	Vmax
	4.2 sec.	Car	82828	94.5	45	50	54	79
	93 %	Truck	1774	2	46	50	53	70
	9737	Tractor-Trailer	813	0.9	45	49	53	62
	3 %	Total	87622	100	45	50	54	79



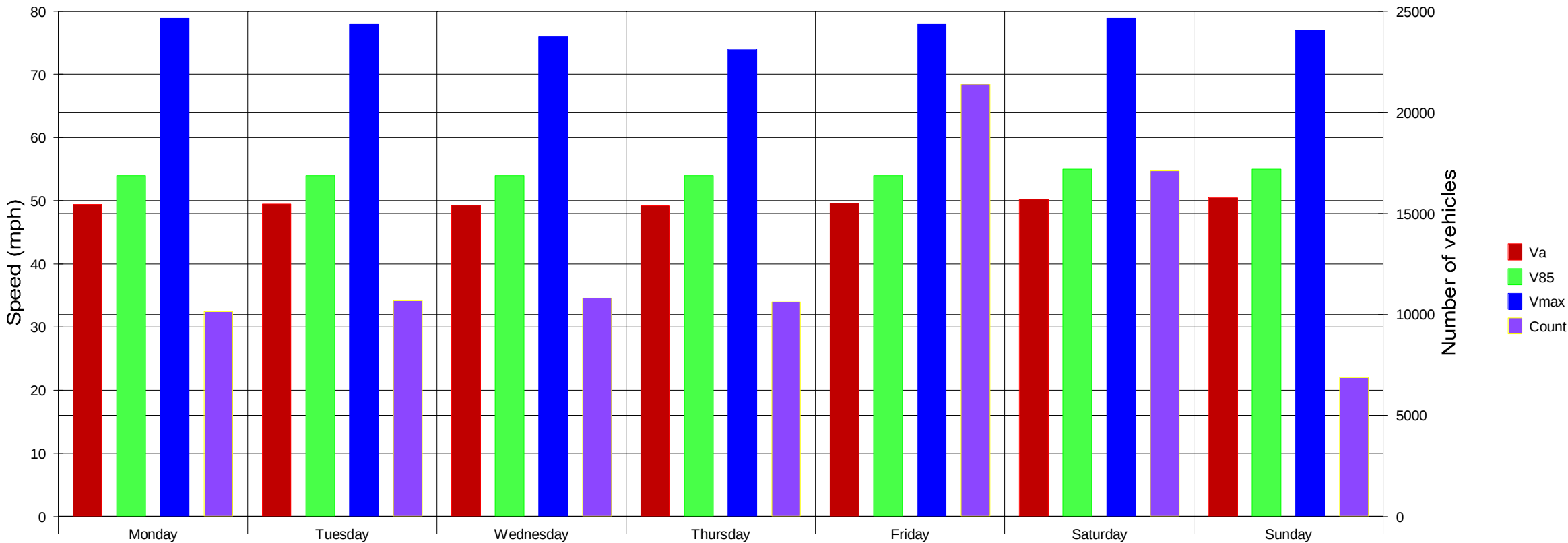


SIERZEGA

Quality Counts L.L.C.
621 Carlisle Dr, Herndon VA 20170
954-944-2363



Maple Road, WB, 760 ft. west of Sandhurst Ln; Lat = 42°59'29.66"N; Long = 78°46'15.60"W ; "+" = WB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

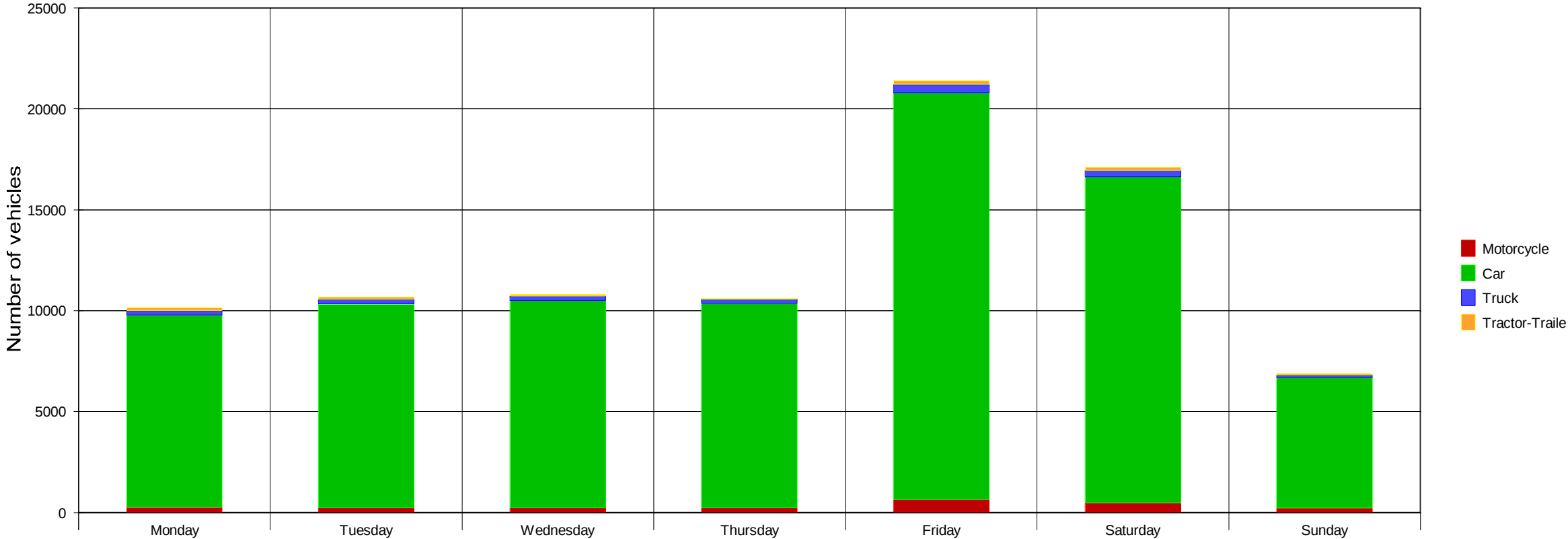
Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	82 %		Count	%	V15	Va	V85	Vmax
		Motorcycle	2207	2.5	43	49	55	77
	4.2 sec.	Car	82828	94.5	45	50	54	79
	93 %	Truck	1774	2	46	50	53	70
		Tractor-Trailer	813	0.9	45	49	53	62
	9737	Total	87622	100	45	50	54	79
	3 %							



Quality Counts L.L.C.
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954-944-2363



Maple Road, WB, 760 ft. west of Sandhurst Ln; Lat = 42°59'29.66"N; Long = 78°46'15.60"W ; "+" = WB



Statistics

Period: Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

Speed violations: Average time interval: Traffic in column: ADT: Truck Share:	82 %		Count	%	V15	Va	V85	Vmax
		Motorcycle	2207	2.5	43	49	55	77
	4.2 sec.	Car	82828	94.5	45	50	54	79
	93 %	Truck	1774	2	46	50	53	70
		Tractor-Trailer	813	0.9	45	49	53	62
	9737	Total	87622	100	45	50	54	79



Detailed evaluation Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

		Car					Truck					Tractor-Trailer					Truck + Tractor-Trailer					Total:				
Evaluation:		Count	Share [%]	Va mph	V85 mph	Vmax mph	Count	Share [%]	Va mph	V85 mph	Vmax mph	Count	Share [%]	Va mph	V85 mph	Vmax mph	Count	Share [%]	Va mph	V85 mph	Vmax mph	Count	Share [%]	Va mph	V85 mph	Vmax mph
Direction +	Day:	50255	94.3	50	54	78	1204	2.3	49	53	70	539	1	49	53	62	1743	3.3	49	53	70	53282	60.8	50	54	78
	Evening:	6964	95.4	49	54	79	105	1.4	49	53	62	45	0.6	49	52	58	150	2.1	49	53	62	7300	8.3	49	54	79
	Night:	2889	96.3	49	54	78	23	0.8	47	49	54	11	0.4	49	52	54	34	1.1	47	50	54	3000	3.4	49	54	78
	16 Hours:	57263	94.5	50	54	79	1309	2.2	49	53	70	584	1	49	53	62	1893	3.1	49	53	70	60626	69.2	49	54	79
	Weekday traffic:	60179	94.5	49	54	79	1332	2.1	49	53	70	595	0.9	49	53	62	1927	3	49	53	70	63653	72.6	49	54	79
	Weekend traffic:	22649	94.5	50	55	79	442	1.8	50	54	62	218	0.9	50	53	60	660	2.8	50	54	62	23969	27.4	50	55	79
	Total traffic:	82828	94.5	50	54	79	1774	2	50	53	70	813	0.9	49	53	62	2587	3	49	53	70	87622	100	50	54	79
Direction -	Day:	0	0				0	0				0	0				0	0				0	0			
	Evening:	0	0				0	0				0	0				0	0				0	0			
	Night:	0	0				0	0				0	0				0	0				0	0			
	16 Hours:	0	0				0	0				0	0				0	0				0	0			
	Weekday traffic:	0	0				0	0				0	0				0	0				0	0			
	Weekend traffic:	0	0				0	0				0	0				0	0				0	0			
	Total traffic:	0	0				0	0				0	0				0	0				0	0			
Total	Day:	50255	94.3	50	54	78	1204	2.3	49	53	70	539	1	49	53	62	1743	3.3	49	53	70	53282	60.8	50	54	78
	Evening:	6964	95.4	49	54	79	105	1.4	49	53	62	45	0.6	49	52	58	150	2.1	49	53	62	7300	8.3	49	54	79
	Night:	2889	96.3	49	54	78	23	0.8	47	49	54	11	0.4	49	52	54	34	1.1	47	50	54	3000	3.4	49	54	78
	16 Hours:	57263	94.5	50	54	79	1309	2.2	49	53	70	584	1	49	53	62	1893	3.1	49	53	70	60626	69.2	49	54	79
	Weekday traffic:	60179	94.5	49	54	79	1332	2.1	49	53	70	595	0.9	49	53	62	1927	3	49	53	70	63653	72.6	49	54	79
	Weekend traffic:	22649	94.5	50	55	79	442	1.8	50	54	62	218	0.9	50	53	60	660	2.8	50	54	62	23969	27.4	50	55	79
	Total traffic:	82828	94.5	50	54	79	1774	2	50	53	70	813	0.9	49	53	62	2587	3	49	53	70	87622	100	50	54	79



Detailed evaluation Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

Evaluation:				Average Traffic									
	From - To	Days	Dir.	Day:		Evening:		Night:		16 Hours:		ADT	
From - To				06:00 - 18:59		19:00 - 21:59		22:00 - 05:59		06:00 - 21:59		00:00 - 23:59	
Days				9		9		8.998		9		8.999	
				AT [veh./h]	AT [veh./13h]	AT [veh./h]	AT [veh./3h]	AT [veh./h]	AT [veh./8h]	AT [veh./h]	AT [veh./16h]	AT [veh./h]	ADT [veh./24h]
Weekday traffic:	Mon - Fri	6	+	684	8880	408	1217	63	500	632	10104	442	10609
			-	0	0	0	0	0	0	0	0	0	0
			T	684	8880	408	1217	63	500	632	10104	442	10609
Weekend traffic:	Sat - Sun	2.999	+	493	6396	355	1059	66	523	467	7461	333	7992
			-	0	0	0	0	0	0	0	0	0	0
			T	493	6396	355	1059	66	523	467	7461	333	7992
Total traffic:		8.999	+	620	8052	390	1164	64	508	577	9223	406	9737
			-	0	0	0	0	0	0	0	0	0	0
			T	620	8052	390	1164	64	508	577	9223	406	9737



Detailed evaluation Friday, September 5, 2025, 00:00 o'clock to Saturday, September 13, 2025, 23:59 o'clock

Evaluation:				Peak hours				K - Factors		
	From - To	Days	Dir.	From mean values		Absolute		K6	K16	K200
From - To								06:00 - 08:59	06:00 - 21:59	Peak hour
				Time	[veh./h]	Date, time	[veh./h]	15:00 - 17:59		
Weekday traffic:	Mon - Fri	6	+	16:30	817	9/9/2025, 16:15	902	0.388	0.952	0.077
			-	00:00	0	0	0	0	0	0
			T	16:30	817	9/9/2025, 16:15	902	0.388	0.952	0.077
Weekend traffic:	Sat - Sun	2.999	+	12:30	667	9/6/2025, 13:30	735	0.286	0.934	0.083
			-	00:00	0	0	0	0	0	0
			T	12:30	667	9/6/2025, 13:30	735	0.286	0.934	0.083
Total traffic:		8.999	+	14:30	725	9/9/2025, 16:15	902	0.36	0.947	0.074
			-	00:00	0	0	0	0	0	0
			T	14:30	725	9/9/2025, 16:15	902	0.36	0.947	0.074

Legend to K-factors:
K(I) -factor: vehicles in period1+2 / ADT
K(J) -factor: vehicles in 16 hrs. period /ADT
K(200)-factor: vehicles in peak hour /ADT





ATTACHMENT D

SYNCHRO LEVEL OF SERVICE REPORTS

**PROPOSED SPORTS COMPLEX AND HOTEL
TOWN OF AMHERST
ERIE COUNTY, NY**

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

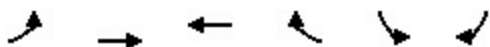
1: Flint Road & Maple Road

Existing_PM

													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Traffic Volume (veh/h)	49	606	300	156	799	55	183	82	22	143	214	127	
Future Volume (veh/h)	49	606	300	156	799	55	183	82	22	143	214	127	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0	
Lane Width Adj.	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	0.99		0.98	0.98		0.98	
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	
Work Zone On Approach	No			No			No			No			
Adj Sat Flow, veh/h/ln	1900	1900	1961	1885	1885	1870	1945	1604	1900	1900	1868	1856	
Adj Flow Rate, veh/h	50	618	306	159	815	56	187	84	22	146	218	130	
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	
Percent Heavy Veh, %	0	0	1	1	1	2	2	20	0	0	7	3	
Cap, veh/h	291	1411	645	362	1468	101	286	308	81	472	247	147	
Arrive On Green	0.03	0.39	0.39	0.07	0.43	0.43	0.10	0.25	0.25	0.08	0.23	0.23	
Sat Flow, veh/h	1810	3610	1649	1795	3399	234	1853	1219	319	1810	1086	648	
Grp Volume(v), veh/h	50	618	306	159	429	442	187	0	106	146	0	348	
Grp Sat Flow(s),veh/h/ln	1810	1805	1649	1795	1791	1842	1853	0	1538	1810	0	1734	
Q Serve(g_s), s	1.6	12.4	13.7	5.0	17.7	17.7	7.5	0.0	5.5	6.0	0.0	19.2	
Cycle Q Clear(g_c), s	1.6	12.4	13.7	5.0	17.7	17.7	7.5	0.0	5.5	6.0	0.0	19.2	
Prop In Lane	1.00		1.00	1.00		0.13	1.00		0.21	1.00		0.37	
Lane Grp Cap(c), veh/h	291	1411	645	362	774	796	286	0	389	472	0	394	
V/C Ratio(X)	0.17	0.44	0.47	0.44	0.56	0.56	0.65	0.00	0.27	0.31	0.00	0.88	
Avail Cap(c_a), veh/h	438	1411	645	435	774	796	296	0	611	528	0	688	
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	
Uniform Delay (d), s/veh	18.0	22.1	22.5	15.9	21.0	21.0	27.4	0.0	29.6	25.8	0.0	36.9	
Incr Delay (d2), s/veh	0.3	1.0	2.5	0.8	2.9	2.8	4.9	0.0	0.4	0.4	0.0	6.9	
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	0.7	5.1	5.6	1.9	7.4	7.6	3.6	0.0	2.0	2.6	0.0	8.7	
Unsig. Movement Delay, s/veh													
LnGrp Delay(d), s/veh	18.3	23.1	25.0	16.8	23.8	23.7	32.3	0.0	30.0	26.1	0.0	43.8	
LnGrp LOS	B	C	C	B	C	C	C		C	C		D	
Approach Vol, veh/h	974				1030				293				494
Approach Delay, s/veh	23.4				22.7				31.4				38.6
Approach LOS	C				C				C				D
Timer - Assigned Phs	1	2	3	4	5	6	7	8					
Phs Duration (G+Y+Rc), s	11.0	45.0	14.5	28.2	7.0	49.0	12.0	30.7					
Change Period (Y+Rc), s	4.0	6.4	5.0	5.8	4.0	6.4	4.0	5.8					
Max Green Setting (Gmax), s	11.0	38.6	10.0	39.2	11.0	38.6	11.0	39.2					
Max Q Clear Time (g_c+I1), s	7.0	0.0	9.5	21.2	3.6	0.0	8.0	7.5					
Green Ext Time (p_c), s	0.2	0.0	0.0	1.3	0.0	0.0	0.1	0.4					
Intersection Summary													
HCM 7th Control Delay, s/veh			26.7										
HCM 7th LOS			C										

HCM 7th Signalized Intersection Summary 2: Maple Road & CR 263 SB Ramps

2254561; 716 Sports Fieldhouse
Existing_PM



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	5	766	873	246	23	137
Future Volume (veh/h)	5	766	873	246	23	137
Initial Q (Qb), veh	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.04	1.04
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1976	1900	1885	1961	1976	1961
Adj Flow Rate, veh/h	5	798	909	256	24	143
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	1	1	0	1
Cap, veh/h	411	2586	2566	1176	220	194
Arrive On Green	0.72	0.72	0.72	0.72	0.12	0.12
Sat Flow, veh/h	508	3705	3676	1642	1882	1662
Grp Volume(v), veh/h	5	798	909	256	24	143
Grp Sat Flow(s),veh/h/ln	508	1805	1791	1642	1882	1662
Q Serve(g_s), s	0.3	6.0	7.2	3.9	0.9	6.2
Cycle Q Clear(g_c), s	7.5	6.0	7.2	3.9	0.9	6.2
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	411	2586	2566	1176	220	194
V/C Ratio(X)	0.01	0.31	0.35	0.22	0.11	0.74
Avail Cap(c_a), veh/h	411	2586	2566	1176	472	416
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.91	0.91	0.85	0.85	1.00	1.00
Uniform Delay (d), s/veh	5.5	3.9	4.0	3.6	29.6	32.0
Incr Delay (d2), s/veh	0.0	0.3	0.3	0.4	0.3	7.5
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.3	1.5	0.8	0.4	2.8
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	5.5	4.2	4.4	3.9	29.9	39.5
LnGrp LOS	A	A	A	A	C	D
Approach Vol, veh/h		803	1165		167	
Approach Delay, s/veh		4.2	4.3		38.1	
Approach LOS		A	A		D	
Timer - Assigned Phs		2			6	8
Phs Duration (G+Y+Rc), s		60.0			60.0	15.0
Change Period (Y+Rc), s		6.3			6.3	6.2
Max Green Setting (Gmax), s		43.7			43.7	18.8
Max Q Clear Time (g_c+I1), s		0.0			0.0	8.2
Green Ext Time (p_c), s		0.0			0.0	0.8
Intersection Summary						
HCM 7th Control Delay, s/veh			6.9			
HCM 7th LOS			A			

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

3: CR 263 NB Off Ramp/CR 263 NB On Ramp & Maple Road

Existing_PM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	69	720	0	0	1067	28	52	0	568	0	0	0
Future Volume (veh/h)	69	720	0	0	1067	28	52	0	568	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Lane Width Adj.	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.00			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	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			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1976	1900	0	0	1885	1796	1870	1976	1900			
Adj Flow Rate, veh/h	72	750	0	0	1111	29	54	0	592			
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96			
Percent Heavy Veh, %	0	0	0	0	1	7	2	0	0			
Cap, veh/h	231	2014	0	0	1988	52	652	0	613			
Arrive On Green	0.56	0.56	0.00	0.00	0.56	0.56	0.37	0.00	0.37			
Sat Flow, veh/h	521	3705	0	0	3659	93	1781	0	1675			
Grp Volume(v), veh/h	72	750	0	0	558	582	54	0	592			
Grp Sat Flow(s),veh/h/ln	521	1805	0	0	1791	1867	1781	0	1675			
Q Serve(g_s), s	16.5	18.6	0.0	0.0	32.0	32.0	3.2	0.0	55.5			
Cycle Q Clear(g_c), s	48.5	18.6	0.0	0.0	32.0	32.0	3.2	0.0	55.5			
Prop In Lane	1.00		0.00	0.00		0.05	1.00		1.00			
Lane Grp Cap(c), veh/h	231	2014	0	0	999	1041	652	0	613			
V/C Ratio(X)	0.31	0.37	0.00	0.00	0.56	0.56	0.08	0.00	0.97			
Avail Cap(c_a), veh/h	231	2014	0	0	999	1041	710	0	668			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.96	0.96	0.00	0.00	0.83	0.83	1.00	0.00	1.00			
Uniform Delay (d), s/veh	38.3	19.7	0.0	0.0	22.7	22.7	33.2	0.0	49.7			
Incr Delay (d2), s/veh	3.3	0.5	0.0	0.0	1.9	1.8	0.0	0.0	25.0			
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	2.3	7.8	0.0	0.0	13.6	14.1	1.4	0.0	27.4			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	41.6	20.3	0.0	0.0	24.6	24.5	33.2	0.0	74.8			
LnGrp LOS	D	C			C	C	C		E			
Approach Vol, veh/h	822			1140			646					
Approach Delay, s/veh	22.1			24.6			71.3					
Approach LOS	C			C			E					
Timer - Assigned Phs	2			4			6					
Phs Duration (G+Y+Rc), s	95.2			64.8			95.2					
Change Period (Y+Rc), s	6.0			* 6.2			6.0					
Max Green Setting (Gmax), s	84.0			* 64			84.0					
Max Q Clear Time (g_c+I1), s	50.5			57.5			0.0					
Green Ext Time (p_c), s	0.1			1.1			0.0					
Intersection Summary												
HCM 7th Control Delay, s/veh	35.4											
HCM 7th LOS	D											
Notes												
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 7th Signalized Intersection Summary

4: N Maplemere Rd & Maple Road

2254561; 716 Sports Fieldhouse

Existing_PM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	25	1241	22	15	1028	45	19	13	13	113	14	48
Future Volume (veh/h)	25	1241	22	15	1028	45	19	13	13	113	14	48
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00
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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1976	1900	1900	1976	1885	1900	1900	1976	1900	1900	1900	1900
Adj Flow Rate, veh/h	26	1293	23	16	1071	47	20	14	14	118	15	50
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	1	0	0	0	0	0	0	0
Cap, veh/h	424	2275	40	337	2111	93	135	91	61	349	48	158
Arrive On Green	0.05	0.63	0.63	0.02	0.60	0.60	0.12	0.12	0.12	0.00	0.12	0.12
Sat Flow, veh/h	1882	3629	65	1882	3495	153	469	733	495	1810	384	1281
Grp Volume(v), veh/h	26	643	673	16	549	569	48	0	0	118	0	65
Grp Sat Flow(s),veh/h/ln	1882	1805	1888	1882	1791	1858	1697	0	0	1810	0	1666
Q Serve(g_s), s	0.3	13.7	13.7	0.2	11.6	11.6	0.0	0.0	0.0	0.1	0.0	2.4
Cycle Q Clear(g_c), s	0.3	13.7	13.7	0.2	11.6	11.6	1.5	0.0	0.0	0.1	0.0	2.4
Prop In Lane	1.00		0.03	1.00		0.08	0.42		0.29	1.00		0.77
Lane Grp Cap(c), veh/h	424	1131	1184	337	1082	1122	287	0	0	349	0	206
V/C Ratio(X)	0.06	0.57	0.57	0.05	0.51	0.51	0.17	0.00	0.00	0.34	0.00	0.32
Avail Cap(c_a), veh/h	621	1131	1184	578	1082	1122	1064	0	0	619	0	1383
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	5.2	7.2	7.2	5.8	7.5	7.5	26.1	0.0	0.0	25.3	0.0	26.5
Incr Delay (d2), s/veh	0.1	2.1	2.0	0.1	1.7	1.6	0.3	0.0	0.0	0.6	0.0	0.9
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	0.1	4.0	4.1	0.1	3.5	3.6	0.7	0.0	0.0	1.6	0.0	0.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	5.2	9.2	9.2	5.9	9.2	9.1	26.4	0.0	0.0	25.9	0.0	27.3
LnGrp LOS	A	A	A	A	A	A	C			C		C
Approach Vol, veh/h	1342			1134			48			183		
Approach Delay, s/veh	9.1			9.1			26.4			26.4		
Approach LOS	A			A			C			C		
Timer - Assigned Phs	1	2		4	5	6	7	8				
Phs Duration (G+Y+Rc), s	6.5	46.5		13.2	8.0	45.0	0.0	13.2				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0	5.0	5.0				
Max Green Setting (Gmax), s	10.0	40.0		55.0	10.0	40.0	10.0	40.0				
Max Q Clear Time (g_c+I1), s	2.2	15.7		4.4	2.3	13.6	0.0	3.5				
Green Ext Time (p_c), s	0.0	5.5		0.2	0.0	4.5	0.0	0.1				
Intersection Summary												
HCM 7th Control Delay, s/veh				10.6								
HCM 7th LOS				B								

HCM 7th Signalized Intersection Summary 5: N Forest Road & Maple Road

2254561; 716 Sports Fieldhouse

Existing_PM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 						 	
Traffic Volume (veh/h)	160	1066	135	189	883	168	109	371	232	187	310	96
Future Volume (veh/h)	160	1066	135	189	883	168	109	371	232	187	310	96
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width 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
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1900	1900	1870	1900	1900	1885	1900	1885	1900	1900	1885	1885
Adj Flow Rate, veh/h	163	1088	138	193	901	171	111	379	237	191	316	98
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	2	0	0	1	0	1	0	0	1	1
Cap, veh/h	305	1367	596	275	1404	617	305	441	377	280	504	427
Arrive On Green	0.07	0.38	0.38	0.08	0.39	0.39	0.06	0.23	0.23	0.10	0.27	0.27
Sat Flow, veh/h	1810	3610	1575	1810	3610	1587	1810	1885	1610	1810	1885	1598
Grp Volume(v), veh/h	163	1088	138	193	901	171	111	379	237	191	316	98
Grp Sat Flow(s),veh/h/ln	1810	1805	1575	1810	1805	1587	1810	1885	1610	1810	1885	1598
Q Serve(g_s), s	5.5	27.3	6.1	6.5	20.7	7.5	4.7	19.6	13.4	7.9	15.0	4.9
Cycle Q Clear(g_c), s	5.5	27.3	6.1	6.5	20.7	7.5	4.7	19.6	13.4	7.9	15.0	4.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	305	1367	596	275	1404	617	305	441	377	280	504	427
V/C Ratio(X)	0.53	0.80	0.23	0.70	0.64	0.28	0.36	0.86	0.63	0.68	0.63	0.23
Avail Cap(c_a), veh/h	366	1367	596	318	1404	617	385	716	611	300	716	606
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	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	19.4	28.1	21.5	22.2	25.3	21.3	27.5	37.3	35.0	27.1	32.8	29.1
Incr Delay (d2), s/veh	1.5	4.9	0.9	5.7	2.3	1.1	0.7	6.0	1.7	5.7	1.3	0.3
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	2.2	11.8	2.3	2.9	8.7	2.9	2.0	9.5	5.3	3.7	6.9	1.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	20.9	33.0	22.4	27.9	27.6	22.4	28.2	43.3	36.7	32.8	34.1	29.3
LnGrp LOS	C	C	C	C	C	C	C	D	D	C	C	C
Approach Vol, veh/h	1389			1265			727			605		
Approach Delay, s/veh	30.5			26.9			38.9			32.9		
Approach LOS	C			C			D			C		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	12.6	45.0	10.5	33.6	11.6	46.0	13.9	30.2				
Change Period (Y+Rc), s	4.0	6.5	4.0	* 6.4	4.0	6.5	4.0	* 6.4				
Max Green Setting (Gmax), s	11.0	38.5	11.0	* 39	11.0	38.5	11.0	* 39				
Max Q Clear Time (g_c+l1), s	8.5	0.0	6.7	17.0	7.5	0.0	9.9	21.6				
Green Ext Time (p_c), s	0.1	0.0	0.1	1.4	0.1	0.0	0.1	2.2				

Intersection Summary

HCM 7th Control Delay, s/veh	31.3
HCM 7th LOS	C

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 7th Signalized Intersection Summary

6: N Maplemere Road/Coventry Road & CR 263

2254561; 716 Sports Fieldhouse

Existing_PM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	121	789	32	41	607	43	65	30	50	126	58	311
Future Volume (veh/h)	121	789	32	41	607	43	65	30	50	126	58	311
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.04
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.98
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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1900	1885	1900	1976	1870	1826	1900	1900	1900	1885	1976	1976
Adj Flow Rate, veh/h	127	831	34	43	639	45	68	32	53	133	61	327
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	0	1	0	0	2	5	0	0	0	1	0	0
Cap, veh/h	151	1899	78	57	1645	116	122	58	152	230	106	288
Arrive On Green	0.08	0.54	0.54	0.03	0.49	0.49	0.10	0.10	0.10	0.18	0.18	0.18
Sat Flow, veh/h	1810	3507	143	1882	3368	237	1250	588	1546	1310	601	1637
Grp Volume(v), veh/h	127	424	441	43	337	347	100	0	53	194	0	327
Grp Sat Flow(s),veh/h/ln	1810	1791	1859	1882	1777	1828	1838	0	1546	1911	0	1637
Q Serve(g_s), s	12.8	26.3	26.3	4.2	22.1	22.2	9.6	0.0	5.9	17.2	0.0	32.5
Cycle Q Clear(g_c), s	12.8	26.3	26.3	4.2	22.1	22.2	9.6	0.0	5.9	17.2	0.0	32.5
Prop In Lane	1.00		0.08	1.00		0.13	0.68		1.00	0.69		1.00
Lane Grp Cap(c), veh/h	151	970	1007	57	868	893	180	0	152	336	0	288
V/C Ratio(X)	0.84	0.44	0.44	0.76	0.39	0.39	0.56	0.00	0.35	0.58	0.00	1.14
Avail Cap(c_a), veh/h	423	970	1007	185	868	893	323	0	272	336	0	288
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	83.6	25.5	25.5	89.1	29.9	29.9	79.6	0.0	77.9	70.0	0.0	76.3
Incr Delay (d2), s/veh	16.2	1.4	1.4	18.6	1.3	1.3	3.8	0.0	2.0	2.5	0.0	95.2
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	6.6	11.5	11.9	2.3	9.8	10.1	4.8	0.0	2.5	8.7	0.0	21.4
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	99.8	26.9	26.9	107.6	31.2	31.1	83.4	0.0	79.9	72.4	0.0	171.4
LnGrp LOS	F	C	C	F	C	C	F		E	E		F
Approach Vol, veh/h	992			727			153			521		
Approach Delay, s/veh	36.2			35.7			82.2			134.6		
Approach LOS	D			D			F			F		
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	22.2	97.2		25.6	12.4	107.0		40.0				
Change Period (Y+Rc), s	6.8	6.8		7.5	6.8	6.8		7.5				
Max Green Setting (Gmax), s	43.2	48.2		32.5	18.2	73.2		32.5				
Max Q Clear Time (g_c+I1), s	14.8	0.0		11.6	6.2	0.0		34.5				
Green Ext Time (p_c), s	0.6	0.0		0.7	0.1	0.0		0.0				

Intersection Summary

HCM 7th Control Delay, s/veh 60.4

HCM 7th LOS E

Notes

User approved pedestrian interval to be less than phase max green.

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

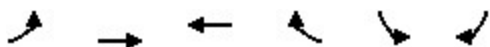
1: Flint Road & Maple Road

Existing_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	22	552	190	125	663	18	144	22	24	25	33	42
Future Volume (veh/h)	22	552	190	125	663	18	144	22	24	25	33	42
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	0.98		0.98	0.97		0.97
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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1826	1885	1945	1885	1900	1900	1961	1693	1900	1841	1837	1870
Adj Flow Rate, veh/h	25	627	216	142	753	20	164	25	27	28	38	48
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	5	1	2	1	0	0	1	14	0	4	9	2
Cap, veh/h	375	1651	756	427	1806	48	371	156	168	291	92	116
Arrive On Green	0.02	0.46	0.46	0.06	0.50	0.50	0.10	0.21	0.21	0.02	0.13	0.13
Sat Flow, veh/h	1739	3582	1640	1795	3592	95	1867	736	795	1753	723	913
Grp Volume(v), veh/h	25	627	216	142	378	395	164	0	52	28	0	86
Grp Sat Flow(s),veh/h/ln	1739	1791	1640	1795	1805	1882	1867	0	1531	1753	0	1636
Q Serve(g_s), s	0.6	9.6	6.8	3.3	11.0	11.0	6.1	0.0	2.3	1.2	0.0	4.1
Cycle Q Clear(g_c), s	0.6	9.6	6.8	3.3	11.0	11.0	6.1	0.0	2.3	1.2	0.0	4.1
Prop In Lane	1.00		1.00	1.00		0.05	1.00		0.52	1.00		0.56
Lane Grp Cap(c), veh/h	375	1651	756	427	908	947	371	0	324	291	0	209
V/C Ratio(X)	0.07	0.38	0.29	0.33	0.42	0.42	0.44	0.00	0.16	0.10	0.00	0.41
Avail Cap(c_a), veh/h	567	1651	756	550	908	947	416	0	717	481	0	766
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	11.7	14.7	14.0	10.5	13.1	13.1	26.3	0.0	26.9	30.7	0.0	33.6
Incr Delay (d2), s/veh	0.1	0.7	1.0	0.5	1.4	1.4	0.8	0.0	0.2	0.1	0.0	1.3
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	0.2	3.6	0.2	1.1	4.2	4.3	2.7	0.0	0.9	0.5	0.0	1.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	11.8	15.4	15.0	10.9	14.5	14.4	27.1	0.0	27.1	30.9	0.0	34.9
LnGrp LOS	B	B	B	B	B	B	C		C	C		C
Approach Vol, veh/h	868			915			216			114		
Approach Delay, s/veh	15.2			13.9			27.1			33.9		
Approach LOS	B			B			C			C		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.3	45.0	13.0	16.5	5.8	48.5	5.9	23.5				
Change Period (Y+Rc), s	4.0	6.4	5.0	5.8	4.0	6.4	4.0	5.8				
Max Green Setting (Gmax), s	11.0	38.6	10.0	39.2	11.0	38.6	11.0	39.2				
Max Q Clear Time (g_c+I1), s	5.3	0.0	8.1	6.1	2.6	0.0	3.2	4.3				
Green Ext Time (p_c), s	0.2	0.0	0.1	0.3	0.0	0.0	0.0	0.2				
Intersection Summary												
HCM 7th Control Delay, s/veh	16.9											
HCM 7th LOS	B											

HCM 7th Signalized Intersection Summary 2: Maple Road & CR 263 SB Ramps

2254561; 716 Sports Fieldhouse
Existing_SAT



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	11	590	701	176	7	105
Future Volume (veh/h)	11	590	701	176	7	105
Initial Q (Qb), veh	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.04	1.04
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1699	1885	1885	1961	1976	1976
Adj Flow Rate, veh/h	12	670	797	200	8	119
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	18	1	1	1	0	0
Cap, veh/h	435	2639	2639	1215	182	162
Arrive On Green	0.74	0.74	0.74	0.74	0.10	0.10
Sat Flow, veh/h	512	3676	3676	1649	1882	1675
Grp Volume(v), veh/h	12	670	797	200	8	119
Grp Sat Flow(s),veh/h/ln	512	1791	1791	1649	1882	1675
Q Serve(g_s), s	0.6	4.5	5.6	2.7	0.3	5.2
Cycle Q Clear(g_c), s	6.3	4.5	5.6	2.7	0.3	5.2
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	435	2639	2639	1215	182	162
V/C Ratio(X)	0.03	0.25	0.30	0.16	0.04	0.74
Avail Cap(c_a), veh/h	435	2639	2639	1215	472	420
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.94	0.94	0.96	0.96	1.00	1.00
Uniform Delay (d), s/veh	4.4	3.2	3.3	3.0	30.7	33.0
Incr Delay (d2), s/veh	0.1	0.2	0.3	0.3	0.1	8.9
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	0.9	1.1	0.5	0.1	2.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	4.5	3.4	3.6	3.2	30.9	41.9
LnGrp LOS	A	A	A	A	C	D
Approach Vol, veh/h		682	997		127	
Approach Delay, s/veh		3.4	3.5		41.2	
Approach LOS		A	A		D	
Timer - Assigned Phs		2			6	8
Phs Duration (G+Y+Rc), s		61.6			61.6	13.4
Change Period (Y+Rc), s		6.3			6.3	6.2
Max Green Setting (Gmax), s		43.7			43.7	18.8
Max Q Clear Time (g_c+l1), s		0.0			0.0	7.2
Green Ext Time (p_c), s		0.0			0.0	0.6
Intersection Summary						
HCM 7th Control Delay, s/veh			6.1			
HCM 7th LOS			A			

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

3: CR 263 NB Off Ramp/CR 263 NB On Ramp & Maple Road

Existing_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	80	517	0	0	830	16	47	1	326	0	0	0
Future Volume (veh/h)	80	517	0	0	830	16	47	1	326	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Lane Width Adj.	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.00			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	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			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1976	1885	0	0	1900	1900	1811	1976	1870			
Adj Flow Rate, veh/h	89	574	0	0	922	18	52	1	362			
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90			
Percent Heavy Veh, %	0	1	0	0	0	0	6	0	2			
Cap, veh/h	410	2434	0	0	2461	48	402	1	390			
Arrive On Green	0.68	0.68	0.00	0.00	0.68	0.68	0.23	0.23	0.23			
Sat Flow, veh/h	629	3676	0	0	3716	71	1725	5	1671			
Grp Volume(v), veh/h	89	574	0	0	460	480	52	0	363			
Grp Sat Flow(s),veh/h/ln	629	1791	0	0	1805	1887	1725	0	1675			
Q Serve(g_s), s	9.9	8.6	0.0	0.0	15.3	15.3	3.3	0.0	29.7			
Cycle Q Clear(g_c), s	25.2	8.6	0.0	0.0	15.3	15.3	3.3	0.0	29.7			
Prop In Lane	1.00		0.00	0.00		0.04	1.00		1.00			
Lane Grp Cap(c), veh/h	410	2434	0	0	1227	1282	402	0	391			
V/C Ratio(X)	0.22	0.24	0.00	0.00	0.37	0.37	0.13	0.00	0.93			
Avail Cap(c_a), veh/h	410	2434	0	0	1227	1282	663	0	644			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.98	0.98	0.00	0.00	0.86	0.86	1.00	0.00	1.00			
Uniform Delay (d), s/veh	15.1	8.6	0.0	0.0	9.6	9.6	42.4	0.0	52.5			
Incr Delay (d2), s/veh	1.2	0.2	0.0	0.0	0.8	0.7	0.1	0.0	9.2			
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	1.5	3.1	0.0	0.0	5.7	6.0	1.5	0.0	13.5			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	16.2	8.8	0.0	0.0	10.4	10.4	42.5	0.0	61.8			
LnGrp LOS	B	A			B	B	D		E			
Approach Vol, veh/h	663			940			415					
Approach Delay, s/veh	9.8			10.4			59.4					
Approach LOS	A			B			E					
Timer - Assigned Phs	2			4			6					
Phs Duration (G+Y+Rc), s	101.1			38.9			101.1					
Change Period (Y+Rc), s	6.0			* 6.2			6.0					
Max Green Setting (Gmax), s	74.0			* 54			74.0					
Max Q Clear Time (g_c+I1), s	27.2			31.7			0.0					
Green Ext Time (p_c), s	0.1			1.0			0.0					
Intersection Summary												
HCM 7th Control Delay, s/veh				20.3								
HCM 7th LOS				C								
Notes												
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 7th Signalized Intersection Summary 4: N Maplemere Rd & Maple Road

2254561; 716 Sports Fieldhouse

Existing_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	88	729	26	9	736	90	13	10	12	129	9	97
Future Volume (veh/h)	88	729	26	9	736	90	13	10	12	129	9	97
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1976	1885	1900	1976	1900	1900	1900	1976	1900	1900	1900	1900
Adj Flow Rate, veh/h	100	828	30	10	836	102	15	11	14	147	10	110
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	0	1	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	545	2281	83	496	1829	223	103	74	58	299	17	187
Arrive On Green	0.10	0.65	0.65	0.02	0.56	0.56	0.13	0.13	0.13	0.00	0.13	0.13
Sat Flow, veh/h	1882	3525	128	1882	3237	395	265	589	460	1810	135	1485
Grp Volume(v), veh/h	100	421	437	10	466	472	40	0	0	147	0	120
Grp Sat Flow(s),veh/h/ln	1882	1791	1862	1882	1805	1827	1314	0	0	1810	0	1620
Q Serve(g_s), s	1.2	7.7	7.7	0.2	10.7	10.7	0.1	0.0	0.0	0.1	0.0	5.0
Cycle Q Clear(g_c), s	1.2	7.7	7.7	0.2	10.7	10.7	5.0	0.0	0.0	0.1	0.0	5.0
Prop In Lane	1.00		0.07	1.00		0.22	0.37		0.35	1.00		0.92
Lane Grp Cap(c), veh/h	545	1159	1205	496	1020	1032	235	0	0	299	0	204
V/C Ratio(X)	0.18	0.36	0.36	0.02	0.46	0.46	0.17	0.00	0.00	0.49	0.00	0.59
Avail Cap(c_a), veh/h	628	1159	1205	733	1020	1032	932	0	0	552	0	1259
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	4.9	5.8	5.8	6.3	9.0	9.0	27.7	0.0	0.0	28.8	0.0	29.2
Incr Delay (d2), s/veh	0.2	0.9	0.8	0.0	1.5	1.5	0.3	0.0	0.0	1.3	0.0	2.7
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	0.3	2.1	2.2	0.0	3.6	3.6	0.6	0.0	0.0	2.4	0.0	2.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	5.1	6.6	6.6	6.3	10.5	10.5	28.0	0.0	0.0	30.0	0.0	31.9
LnGrp LOS	A	A	A	A	B	B	C			C		C
Approach Vol, veh/h	958			948			40			267		
Approach Delay, s/veh	6.5			10.5			28.0			30.9		
Approach LOS	A			B			C			C		
Timer - Assigned Phs	1	2		4	5	6	7	8				
Phs Duration (G+Y+Rc), s	6.1	50.8		13.9	11.9	45.0	0.0	13.9				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0	5.0	5.0				
Max Green Setting (Gmax), s	10.0	40.0		55.0	10.0	40.0	10.0	40.0				
Max Q Clear Time (g_c+I1), s	2.2	9.7		7.0	3.2	12.7	0.0	7.0				
Green Ext Time (p_c), s	0.0	3.2		0.5	0.1	3.6	0.0	0.1				
Intersection Summary												
HCM 7th Control Delay, s/veh				11.5								
HCM 7th LOS				B								

HCM 7th Signalized Intersection Summary

5: N Forest Road & Maple Road

2254561; 716 Sports Fieldhouse

Existing_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	119	666	85	140	671	90	74	176	135	104	206	90
Future Volume (veh/h)	119	666	85	140	671	90	74	176	135	104	206	90
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width 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
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1900	1885	1900	1885	1900	1900	1900	1900	1885	1900	1900	1885
Adj Flow Rate, veh/h	127	709	90	149	714	96	79	187	144	111	219	96
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	0	1	0	1	0	0	0	0	1	0	0	1
Cap, veh/h	430	1674	751	437	1715	763	237	269	225	267	305	255
Arrive On Green	0.06	0.47	0.47	0.07	0.48	0.48	0.05	0.14	0.14	0.07	0.16	0.16
Sat Flow, veh/h	1810	3582	1607	1795	3610	1607	1810	1900	1587	1810	1900	1589
Grp Volume(v), veh/h	127	709	90	149	714	96	79	187	144	111	219	96
Grp Sat Flow(s),veh/h/ln	1810	1791	1607	1795	1805	1607	1810	1900	1587	1810	1900	1589
Q Serve(g_s), s	2.9	10.8	2.6	3.5	10.7	2.7	3.0	7.7	7.1	4.2	9.0	4.4
Cycle Q Clear(g_c), s	2.9	10.8	2.6	3.5	10.7	2.7	3.0	7.7	7.1	4.2	9.0	4.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	430	1674	751	437	1715	763	237	269	225	267	305	255
V/C Ratio(X)	0.30	0.42	0.12	0.34	0.42	0.13	0.33	0.69	0.64	0.42	0.72	0.38
Avail Cap(c_a), veh/h	565	1674	751	557	1715	763	384	890	744	380	890	744
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	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	10.7	14.6	12.4	10.7	14.1	12.1	28.4	33.7	33.4	27.6	32.8	30.9
Incr Delay (d2), s/veh	0.4	0.8	0.3	0.5	0.7	0.3	0.8	3.2	3.0	1.0	3.1	0.9
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	1.0	4.0	0.9	1.2	3.9	1.0	1.3	3.7	2.8	1.8	4.3	1.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	11.1	15.4	12.7	11.1	14.9	12.4	29.2	36.9	36.4	28.6	35.9	31.8
LnGrp LOS	B	B	B	B	B	B	C	D	D	C	D	C
Approach Vol, veh/h	926			959			410			426		
Approach Delay, s/veh	14.5			14.1			35.2			33.1		
Approach LOS	B			B			D			C		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.5	45.0	8.3	19.6	8.8	45.6	9.9	18.1				
Change Period (Y+Rc), s	4.0	6.5	4.0	* 6.4	4.0	6.5	4.0	* 6.4				
Max Green Setting (Gmax), s	11.0	38.5	11.0	* 39	11.0	38.5	11.0	* 39				
Max Q Clear Time (g_c+l1), s	5.5	0.0	5.0	11.0	4.9	0.0	6.2	9.7				
Green Ext Time (p_c), s	0.2	0.0	0.1	1.1	0.2	0.0	0.1	1.2				

Intersection Summary

HCM 7th Control Delay, s/veh	20.4
HCM 7th LOS	C

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 7th Signalized Intersection Summary
6: N Maplemere Road/Coventry Road & CR 263

2254561; 716 Sports Fieldhouse

Existing_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	41	490	52	54	469	11	44	10	56	16	15	52
Future Volume (veh/h)	41	490	52	54	469	11	44	10	56	16	15	52
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.04
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.94
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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1885	1900	1976	1885	1767	1900	1900	1900	1900	1976	1976
Adj Flow Rate, veh/h	43	516	55	57	494	12	46	11	59	17	16	55
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	1	0	0	1	9	0	0	0	0	0	0
Cap, veh/h	57	2234	237	73	2470	60	113	27	119	46	43	73
Arrive On Green	0.03	0.68	0.68	0.04	0.69	0.69	0.08	0.08	0.08	0.05	0.05	0.05
Sat Flow, veh/h	1781	3267	347	1882	3574	87	1474	352	1553	992	934	1577
Grp Volume(v), veh/h	43	282	289	57	247	259	57	0	59	33	0	55
Grp Sat Flow(s),veh/h/ln	1781	1791	1823	1882	1791	1870	1826	0	1553	1926	0	1577
Q Serve(g_s), s	4.4	10.9	11.0	5.6	9.2	9.2	5.5	0.0	6.7	3.1	0.0	6.4
Cycle Q Clear(g_c), s	4.4	10.9	11.0	5.6	9.2	9.2	5.5	0.0	6.7	3.1	0.0	6.4
Prop In Lane	1.00		0.19	1.00		0.05	0.81		1.00	0.52		1.00
Lane Grp Cap(c), veh/h	57	1225	1246	73	1238	1292	139	0	119	89	0	73
V/C Ratio(X)	0.76	0.23	0.23	0.78	0.20	0.20	0.41	0.00	0.50	0.37	0.00	0.75
Avail Cap(c_a), veh/h	416	1225	1246	185	1238	1292	321	0	273	338	0	277
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	88.9	11.0	11.0	88.1	10.2	10.2	81.5	0.0	82.0	85.6	0.0	87.2
Incr Delay (d2), s/veh	25.1	0.4	0.4	15.9	0.4	0.3	2.7	0.0	4.5	2.5	0.0	14.5
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	2.4	4.4	4.5	3.0	3.7	3.8	2.7	0.0	2.9	1.6	0.0	2.9
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	114.0	11.4	11.4	104.0	10.6	10.6	84.2	0.0	86.6	88.2	0.0	101.7
LnGrp LOS	F	B	B	F	B	B	F		F	F		F
Approach Vol, veh/h	614				563		116				88	
Approach Delay, s/veh	18.6				20.1		85.4				96.6	
Approach LOS	B				C		F				F	
Timer - Assigned Phs	1	2			4	5	6	8				
Phs Duration (G+Y+Rc), s	12.7	134.6			21.6	14.0	133.3	16.1				
Change Period (Y+Rc), s	6.8	6.8			7.5	6.8	6.8	7.5				
Max Green Setting (Gmax), s	43.2	48.2			32.5	18.2	73.2	32.5				
Max Q Clear Time (g_c+I1), s	6.4	0.0			8.7	7.6	0.0	8.4				
Green Ext Time (p_c), s	0.2	0.0			0.5	0.1	0.0	0.3				
Intersection Summary												
HCM 7th Control Delay, s/veh	29.8											
HCM 7th LOS	C											
Notes												
User approved pedestrian interval to be less than phase max green.												

HCM 7th Signalized Intersection Summary

1: Flint Road & Maple Road

2254561; 716 Sports Fieldhouse

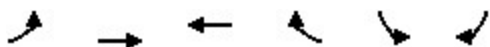
No-Build_PM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	51	633	314	163	835	58	191	86	23	150	224	133
Future Volume (veh/h)	51	633	314	163	835	58	191	86	23	150	224	133
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.98	0.98		0.98
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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1900	1900	1961	1885	1885	1870	1945	1604	1900	1900	1868	1856
Adj Flow Rate, veh/h	52	646	320	166	852	59	195	88	23	153	229	136
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98
Percent Heavy Veh, %	0	0	1	1	1	2	2	20	0	0	7	3
Cap, veh/h	271	1379	630	349	1446	100	287	319	83	482	257	153
Arrive On Green	0.03	0.38	0.38	0.07	0.43	0.43	0.10	0.26	0.26	0.08	0.24	0.24
Sat Flow, veh/h	1810	3610	1648	1795	3397	235	1853	1220	319	1810	1088	646
Grp Volume(v), veh/h	52	646	320	166	449	462	195	0	111	153	0	365
Grp Sat Flow(s),veh/h/ln	1810	1805	1648	1795	1791	1842	1853	0	1539	1810	0	1735
Q Serve(g_s), s	1.8	13.6	15.0	5.4	19.4	19.4	7.9	0.0	5.8	6.4	0.0	20.6
Cycle Q Clear(g_c), s	1.8	13.6	15.0	5.4	19.4	19.4	7.9	0.0	5.8	6.4	0.0	20.6
Prop In Lane	1.00		1.00	1.00		0.13	1.00		0.21	1.00		0.37
Lane Grp Cap(c), veh/h	271	1379	630	349	762	784	287	0	402	482	0	410
V/C Ratio(X)	0.19	0.47	0.51	0.48	0.59	0.59	0.68	0.00	0.28	0.32	0.00	0.89
Avail Cap(c_a), veh/h	414	1379	630	412	762	784	289	0	597	529	0	673
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	19.2	23.5	23.9	17.0	22.2	22.2	27.6	0.0	29.7	25.7	0.0	37.3
Incr Delay (d2), s/veh	0.3	1.1	2.9	1.0	3.3	3.2	6.2	0.0	0.4	0.4	0.0	8.6
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	0.7	5.6	6.2	2.1	8.2	8.4	3.9	0.0	2.2	2.8	0.0	9.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	19.5	24.6	26.8	18.0	25.6	25.5	33.8	0.0	30.1	26.0	0.0	45.9
LnGrp LOS	B	C	C	B	C	C	C		C	C		D
Approach Vol, veh/h	1018			1077			306			518		
Approach Delay, s/veh	25.1			24.4			32.5			40.0		
Approach LOS	C			C			C			D		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	11.5	45.0	14.9	29.7	7.1	49.4	12.4	32.2				
Change Period (Y+Rc), s	4.0	6.4	5.0	5.8	4.0	6.4	4.0	5.8				
Max Green Setting (Gmax), s	11.0	38.6	10.0	39.2	11.0	38.6	11.0	39.2				
Max Q Clear Time (g_c+I1), s	7.4	0.0	9.9	22.6	3.8	0.0	8.4	7.8				
Green Ext Time (p_c), s	0.2	0.0	0.0	1.3	0.0	0.0	0.1	0.4				
Intersection Summary												
HCM 7th Control Delay, s/veh	28.2											
HCM 7th LOS	C											

HCM 7th Signalized Intersection Summary 2: Maple Road & CR 263 SB Ramps

2254561; 716 Sports Fieldhouse

No-Build_PM



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	5	801	913	257	24	143
Future Volume (veh/h)	5	801	913	257	24	143
Initial Q (Qb), veh	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.04	1.04
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1976	1900	1885	1961	1976	1961
Adj Flow Rate, veh/h	5	834	951	268	25	149
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	1	1	0	1
Cap, veh/h	390	2571	2551	1169	228	201
Arrive On Green	0.71	0.71	0.71	0.71	0.12	0.12
Sat Flow, veh/h	483	3705	3676	1642	1882	1662
Grp Volume(v), veh/h	5	834	951	268	25	149
Grp Sat Flow(s),veh/h/ln	483	1805	1791	1642	1882	1662
Q Serve(g_s), s	0.3	6.5	7.8	4.2	0.9	6.5
Cycle Q Clear(g_c), s	8.1	6.5	7.8	4.2	0.9	6.5
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	390	2571	2551	1169	228	201
V/C Ratio(X)	0.01	0.32	0.37	0.23	0.11	0.74
Avail Cap(c_a), veh/h	390	2571	2551	1169	472	416
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.89	0.89	0.82	0.82	1.00	1.00
Uniform Delay (d), s/veh	5.8	4.0	4.2	3.7	29.4	31.8
Incr Delay (d2), s/veh	0.1	0.3	0.3	0.4	0.3	7.4
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.4	1.7	0.9	0.4	2.9
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	5.9	4.3	4.6	4.1	29.7	39.2
LnGrp LOS	A	A	A	A	C	D
Approach Vol, veh/h		839	1219		174	
Approach Delay, s/veh		4.3	4.5		37.8	
Approach LOS		A	A		D	
Timer - Assigned Phs		2			6	8
Phs Duration (G+Y+Rc), s		59.7			59.7	15.3
Change Period (Y+Rc), s		6.3			6.3	6.2
Max Green Setting (Gmax), s		43.7			43.7	18.8
Max Q Clear Time (g_c+I1), s		0.0			0.0	8.5
Green Ext Time (p_c), s		0.0			0.0	0.8
Intersection Summary						
HCM 7th Control Delay, s/veh			7.0			
HCM 7th LOS			A			

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

3: CR 263 NB Off Ramp/CR 263 NB On Ramp & Maple Road

No-Build_PM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	72	753	0	0	1116	29	54	0	594	0	0	0
Future Volume (veh/h)	72	753	0	0	1116	29	54	0	594	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Lane Width Adj.	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.00			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	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			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1976	1900	0	0	1885	1796	1870	1976	1900			
Adj Flow Rate, veh/h	75	784	0	0	1162	30	56	0	619			
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96			
Percent Heavy Veh, %	0	0	0	0	1	7	2	0	0			
Cap, veh/h	205	1961	0	0	1937	50	678	0	637			
Arrive On Green	0.54	0.54	0.00	0.00	0.54	0.54	0.38	0.00	0.38			
Sat Flow, veh/h	496	3705	0	0	3660	92	1781	0	1675			
Grp Volume(v), veh/h	75	784	0	0	583	609	56	0	619			
Grp Sat Flow(s),veh/h/ln	496	1805	0	0	1791	1867	1781	0	1675			
Q Serve(g_s), s	19.3	20.3	0.0	0.0	35.3	35.3	3.2	0.0	58.1			
Cycle Q Clear(g_c), s	54.7	20.3	0.0	0.0	35.3	35.3	3.2	0.0	58.1			
Prop In Lane	1.00		0.00	0.00		0.05	1.00		1.00			
Lane Grp Cap(c), veh/h	205	1961	0	0	973	1014	678	0	637			
V/C Ratio(X)	0.37	0.40	0.00	0.00	0.60	0.60	0.08	0.00	0.97			
Avail Cap(c_a), veh/h	205	1961	0	0	973	1014	710	0	668			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.96	0.96	0.00	0.00	0.80	0.80	1.00	0.00	1.00			
Uniform Delay (d), s/veh	43.3	21.3	0.0	0.0	24.8	24.8	31.7	0.0	48.7			
Incr Delay (d2), s/veh	4.8	0.6	0.0	0.0	2.2	2.1	0.0	0.0	26.8			
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	2.6	8.6	0.0	0.0	15.1	15.7	1.4	0.0	28.9			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	48.1	21.9	0.0	0.0	27.0	26.9	31.7	0.0	75.5			
LnGrp LOS	D	C			C	C	C		E			
Approach Vol, veh/h	859			1192			675					
Approach Delay, s/veh	24.2			26.9			71.9					
Approach LOS	C			C			E					
Timer - Assigned Phs	2			4			6					
Phs Duration (G+Y+Rc), s	92.9			67.1			92.9					
Change Period (Y+Rc), s	6.0			* 6.2			6.0					
Max Green Setting (Gmax), s	84.0			* 64			84.0					
Max Q Clear Time (g_c+I1), s	56.7			60.1			0.0					
Green Ext Time (p_c), s	0.1			0.8			0.0					
Intersection Summary												
HCM 7th Control Delay, s/veh				37.2								
HCM 7th LOS				D								
Notes												
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 7th Signalized Intersection Summary

4: N Maplemere Rd & Maple Road

2254561; 716 Sports Fieldhouse

No-Build_PM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	26	1298	23	16	1075	47	20	14	14	118	15	50
Future Volume (veh/h)	26	1298	23	16	1075	47	20	14	14	118	15	50
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00
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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1976	1900	1900	1976	1885	1900	1900	1976	1900	1900	1900	1900
Adj Flow Rate, veh/h	27	1352	24	17	1120	49	21	15	15	123	16	52
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	1	0	0	0	0	0	0	0
Cap, veh/h	408	2271	40	322	2108	92	134	91	62	349	49	158
Arrive On Green	0.05	0.63	0.63	0.02	0.60	0.60	0.12	0.12	0.12	0.00	0.12	0.12
Sat Flow, veh/h	1882	3629	64	1882	3496	153	461	738	499	1810	392	1275
Grp Volume(v), veh/h	27	672	704	17	574	595	51	0	0	123	0	68
Grp Sat Flow(s),veh/h/ln	1882	1805	1888	1882	1791	1858	1698	0	0	1810	0	1667
Q Serve(g_s), s	0.3	14.7	14.7	0.2	12.4	12.4	0.0	0.0	0.0	0.1	0.0	2.5
Cycle Q Clear(g_c), s	0.3	14.7	14.7	0.2	12.4	12.4	1.6	0.0	0.0	0.1	0.0	2.5
Prop In Lane	1.00		0.03	1.00		0.08	0.41		0.29	1.00		0.76
Lane Grp Cap(c), veh/h	408	1130	1182	322	1080	1120	287	0	0	349	0	206
V/C Ratio(X)	0.07	0.59	0.60	0.05	0.53	0.53	0.18	0.00	0.00	0.35	0.00	0.33
Avail Cap(c_a), veh/h	603	1130	1182	560	1080	1120	1062	0	0	619	0	1382
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	5.3	7.4	7.4	6.0	7.7	7.7	26.2	0.0	0.0	25.4	0.0	26.6
Incr Delay (d2), s/veh	0.1	2.3	2.2	0.1	1.9	1.8	0.3	0.0	0.0	0.6	0.0	0.9
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	0.1	4.3	4.5	0.1	3.7	3.9	0.7	0.0	0.0	1.7	0.0	1.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	5.4	9.7	9.6	6.1	9.6	9.5	26.5	0.0	0.0	26.0	0.0	27.5
LnGrp LOS	A	A	A	A	A	A	C			C		C
Approach Vol, veh/h	1403			1186			51			191		
Approach Delay, s/veh	9.6			9.5			26.5			26.6		
Approach LOS	A			A			C			C		
Timer - Assigned Phs	1	2		4	5	6	7	8				
Phs Duration (G+Y+Rc), s	6.6	46.5		13.2	8.1	45.0	0.0	13.2				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0	5.0	5.0				
Max Green Setting (Gmax), s	10.0	40.0		55.0	10.0	40.0	10.0	40.0				
Max Q Clear Time (g_c+I1), s	2.2	16.7		4.5	2.3	14.4	0.0	3.6				
Green Ext Time (p_c), s	0.0	5.9		0.2	0.0	4.7	0.0	0.2				
Intersection Summary												
HCM 7th Control Delay, s/veh				11.0								
HCM 7th LOS				B								

HCM 7th Signalized Intersection Summary

5: N Forest Road & Maple Road

2254561; 716 Sports Fieldhouse

No-Build_PM

															
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations															
Traffic Volume (veh/h)	167	1115	141	198	923	176	114	388	243	196	324	100			
Future Volume (veh/h)	167	1115	141	198	923	176	114	388	243	196	324	100			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0			
Lane Width 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			
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	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			
Work Zone On Approach	No			No			No			No					
Adj Sat Flow, veh/h/ln	1900	1900	1870	1900	1900	1885	1900	1885	1900	1900	1885	1885			
Adj Flow Rate, veh/h	170	1138	144	202	942	180	116	396	248	200	331	102			
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98			
Percent Heavy Veh, %	0	0	2	0	0	1	0	1	0	0	1	1			
Cap, veh/h	291	1334	582	263	1374	604	306	457	390	281	521	441			
Arrive On Green	0.08	0.37	0.37	0.09	0.38	0.38	0.07	0.24	0.24	0.10	0.28	0.28			
Sat Flow, veh/h	1810	3610	1574	1810	3610	1587	1810	1885	1610	1810	1885	1598			
Grp Volume(v), veh/h	170	1138	144	202	942	180	116	396	248	200	331	102			
Grp Sat Flow(s),veh/h/ln	1810	1805	1574	1810	1805	1587	1810	1885	1610	1810	1885	1598			
Q Serve(g_s), s	6.0	30.2	6.6	7.1	22.8	8.3	4.9	21.0	14.4	8.3	16.1	5.1			
Cycle Q Clear(g_c), s	6.0	30.2	6.6	7.1	22.8	8.3	4.9	21.0	14.4	8.3	16.1	5.1			
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	291	1334	582	263	1374	604	306	457	390	281	521	441			
V/C Ratio(X)	0.58	0.85	0.25	0.77	0.69	0.30	0.38	0.87	0.64	0.71	0.64	0.23			
Avail Cap(c_a), veh/h	343	1334	582	295	1374	604	379	699	597	293	699	592			
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	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Uniform Delay (d), s/veh	21.0	30.2	22.8	23.6	27.0	22.5	27.5	37.9	35.3	27.4	33.1	29.1			
Incr Delay (d2), s/veh	1.8	7.1	1.0	10.3	2.8	1.3	0.8	7.3	1.7	7.5	1.3	0.3			
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	2.5	13.5	2.6	3.5	9.7	3.2	2.2	10.4	5.7	4.1	7.3	2.0			
Unsig. Movement Delay, s/veh															
LnGrp Delay(d), s/veh	22.8	37.3	23.8	34.0	29.9	23.8	28.3	45.2	37.1	34.8	34.4	29.4			
LnGrp LOS	C	D	C	C	C	C	C	D	D	C	C	C			
Approach Vol, veh/h	1452			1324			760			633					
Approach Delay, s/veh	34.3			29.7			40.0			33.7					
Approach LOS	C			C			D			C					
Timer - Assigned Phs	1	2	3	4	5	6	7	8							
Phs Duration (G+Y+Rc), s	13.2	45.0	10.8	35.2	12.1	46.1	14.3	31.6							
Change Period (Y+Rc), s	4.0	6.5	4.0	* 6.4	4.0	6.5	4.0	* 6.4							
Max Green Setting (Gmax), s	11.0	38.5	11.0	* 39	11.0	38.5	11.0	* 39							
Max Q Clear Time (g_c+l1), s	9.1	0.0	6.9	18.1	8.0	0.0	10.3	23.0							
Green Ext Time (p_c), s	0.1	0.0	0.1	1.5	0.1	0.0	0.0	2.3							

Intersection Summary

HCM 7th Control Delay, s/veh	33.8
HCM 7th LOS	C

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 7th Signalized Intersection Summary

6: N Maplemere Road/Coventry Road & CR 263

2254561; 716 Sports Fieldhouse

No-Build_PM

																								
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR												
Lane Configurations																								
Traffic Volume (veh/h)	127	825	33	43	635	45	68	31	52	132	61	325												
Future Volume (veh/h)	127	825	33	43	635	45	68	31	52	132	61	325												
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0												
Lane Width Adj.	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.04												
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.98												
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												
Work Zone On Approach	No			No			No			No														
Adj Sat Flow, veh/h/ln	1900	1885	1900	1976	1870	1826	1900	1900	1900	1885	1976	1976												
Adj Flow Rate, veh/h	134	868	35	45	668	47	72	33	55	139	64	342												
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95												
Percent Heavy Veh, %	0	1	0	0	2	5	0	0	0	1	0	0												
Cap, veh/h	158	1889	76	59	1625	114	126	58	155	230	106	288												
Arrive On Green	0.09	0.54	0.54	0.03	0.48	0.48	0.10	0.10	0.10	0.18	0.18	0.18												
Sat Flow, veh/h	1810	3509	141	1882	3368	237	1260	577	1547	1308	602	1637												
Grp Volume(v), veh/h	134	443	460	45	352	363	105	0	55	203	0	342												
Grp Sat Flow(s),veh/h/ln	1810	1791	1860	1882	1777	1828	1837	0	1547	1911	0	1637												
Q Serve(g_s), s	13.5	28.1	28.1	4.4	23.7	23.7	10.1	0.0	6.1	18.1	0.0	32.5												
Cycle Q Clear(g_c), s	13.5	28.1	28.1	4.4	23.7	23.7	10.1	0.0	6.1	18.1	0.0	32.5												
Prop In Lane	1.00		0.08	1.00		0.13	0.69		1.00	0.68		1.00												
Lane Grp Cap(c), veh/h	158	964	1001	59	857	882	184	0	155	336	0	288												
V/C Ratio(X)	0.85	0.46	0.46	0.76	0.41	0.41	0.57	0.00	0.36	0.60	0.00	1.19												
Avail Cap(c_a), veh/h	423	964	1001	185	857	882	323	0	272	336	0	288												
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00												
Uniform Delay (d), s/veh	83.2	26.2	26.2	88.9	30.9	30.9	79.5	0.0	77.7	70.3	0.0	76.3												
Incr Delay (d2), s/veh	16.0	1.6	1.5	18.0	1.5	1.4	3.9	0.0	2.0	3.1	0.0	114.3												
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	7.0	12.3	12.8	2.4	10.5	10.8	5.0	0.0	2.6	9.2	0.0	22.9												
Unsig. Movement Delay, s/veh																								
LnGrp Delay(d), s/veh	99.2	27.8	27.7	106.9	32.4	32.3	83.4	0.0	79.6	73.4	0.0	190.6												
LnGrp LOS	F	C	C	F	C	C	F		E	E		F												
Approach Vol, veh/h	1037			760			160			545														
Approach Delay, s/veh	37.0			36.8			82.1			146.9														
Approach LOS	D			D			F			F														
Timer - Assigned Phs	1	2		4	5	6		8																
Phs Duration (G+Y+Rc), s	22.9	96.1		26.0	12.6	106.4		40.0																
Change Period (Y+Rc), s	6.8	6.8		7.5	6.8	6.8		7.5																
Max Green Setting (Gmax), s	43.2	48.2		32.5	18.2	73.2		32.5																
Max Q Clear Time (g_c+I1), s	15.5	0.0		12.1	6.4	0.0		34.5																
Green Ext Time (p_c), s	0.6	0.0		0.7	0.1	0.0		0.0																
Intersection Summary																								
HCM 7th Control Delay, s/veh	63.7																							
HCM 7th LOS	E																							
Notes																								
User approved pedestrian interval to be less than phase max green.																								

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

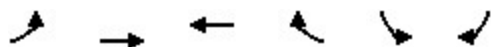
1: Flint Road & Maple Road

No-Build_SAT

															
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations															
Traffic Volume (veh/h)	23	580	199	131	693	19	151	23	25	26	35	44			
Future Volume (veh/h)	23	580	199	131	693	19	151	23	25	26	35	44			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0			
Lane Width Adj.	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00			
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	0.98		0.98	0.97		0.97			
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			
Work Zone On Approach	No			No			No			No					
Adj Sat Flow, veh/h/ln	1826	1885	1945	1885	1900	1900	1961	1693	1900	1841	1837	1870			
Adj Flow Rate, veh/h	26	659	226	149	788	22	172	26	28	30	40	50			
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88			
Percent Heavy Veh, %	5	1	2	1	0	0	1	14	0	4	9	2			
Cap, veh/h	359	1634	748	413	1793	50	375	159	171	293	94	117			
Arrive On Green	0.02	0.46	0.46	0.07	0.50	0.50	0.10	0.22	0.22	0.02	0.13	0.13			
Sat Flow, veh/h	1739	3582	1639	1795	3587	100	1867	737	794	1753	728	910			
Grp Volume(v), veh/h	26	659	226	149	397	413	172	0	54	30	0	90			
Grp Sat Flow(s),veh/h/ln	1739	1791	1639	1795	1805	1882	1867	0	1531	1753	0	1637			
Q Serve(g_s), s	0.7	10.4	7.4	3.5	11.9	11.9	6.4	0.0	2.4	1.2	0.0	4.3			
Cycle Q Clear(g_c), s	0.7	10.4	7.4	3.5	11.9	11.9	6.4	0.0	2.4	1.2	0.0	4.3			
Prop In Lane	1.00		1.00	1.00		0.05	1.00		0.52	1.00		0.56			
Lane Grp Cap(c), veh/h	359	1634	748	413	902	941	375	0	330	293	0	211			
V/C Ratio(X)	0.07	0.40	0.30	0.36	0.44	0.44	0.46	0.00	0.16	0.10	0.00	0.43			
Avail Cap(c_a), veh/h	547	1634	748	530	902	941	411	0	710	479	0	759			
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	12.1	15.3	14.5	10.8	13.6	13.6	26.4	0.0	27.0	30.9	0.0	34.0			
Incr Delay (d2), s/veh	0.1	0.7	1.0	0.5	1.6	1.5	0.9	0.0	0.2	0.2	0.0	1.4			
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	0.2	3.9	2.8	1.2	4.6	4.7	2.9	0.0	0.9	0.5	0.0	1.8			
Unsig. Movement Delay, s/veh															
LnGrp Delay(d), s/veh	12.2	16.1	15.5	11.3	15.1	15.0	27.3	0.0	27.2	31.0	0.0	35.3			
LnGrp LOS	B	B	B	B	B	B	C		C	C		D			
Approach Vol, veh/h	911			959			226			120					
Approach Delay, s/veh	15.8			14.5			27.2			34.2					
Approach LOS	B			B			C			C					
Timer - Assigned Phs	1	2	3	4	5	6	7	8							
Phs Duration (G+Y+Rc), s	9.5	45.0	13.4	16.7	5.8	48.7	6.0	24.0							
Change Period (Y+Rc), s	4.0	6.4	5.0	5.8	4.0	6.4	4.0	5.8							
Max Green Setting (Gmax), s	11.0	38.6	10.0	39.2	11.0	38.6	11.0	39.2							
Max Q Clear Time (g_c+I1), s	5.5	0.0	8.4	6.3	2.7	0.0	3.2	4.4							
Green Ext Time (p_c), s	0.2	0.0	0.1	0.3	0.0	0.0	0.0	0.2							
Intersection Summary															
HCM 7th Control Delay, s/veh				17.4											
HCM 7th LOS				B											

HCM 7th Signalized Intersection Summary 2: Maple Road & CR 263 SB Ramps

2254561; 716 Sports Fieldhouse
No-Build_SAT



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	12	619	733	184	7	110
Future Volume (veh/h)	12	619	733	184	7	110
Initial Q (Qb), veh	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.04	1.04
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1699	1885	1885	1961	1976	1976
Adj Flow Rate, veh/h	14	703	833	209	8	125
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	18	1	1	1	0	0
Cap, veh/h	416	2623	2623	1208	190	169
Arrive On Green	0.73	0.73	0.73	0.73	0.10	0.10
Sat Flow, veh/h	491	3676	3676	1649	1882	1675
Grp Volume(v), veh/h	14	703	833	209	8	125
Grp Sat Flow(s),veh/h/ln	491	1791	1791	1649	1882	1675
Q Serve(g_s), s	0.8	4.9	6.1	2.9	0.3	5.4
Cycle Q Clear(g_c), s	6.8	4.9	6.1	2.9	0.3	5.4
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	416	2623	2623	1208	190	169
V/C Ratio(X)	0.03	0.27	0.32	0.17	0.04	0.74
Avail Cap(c_a), veh/h	416	2623	2623	1208	472	420
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.93	0.93	0.95	0.95	1.00	1.00
Uniform Delay (d), s/veh	4.7	3.3	3.5	3.1	30.4	32.8
Incr Delay (d2), s/veh	0.1	0.2	0.3	0.3	0.1	8.7
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	1.0	1.2	0.6	0.1	2.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	4.8	3.6	3.8	3.4	30.6	41.4
LnGrp LOS	A	A	A	A	C	D
Approach Vol, veh/h		717	1042		133	
Approach Delay, s/veh		3.6	3.7		40.8	
Approach LOS		A	A		D	
Timer - Assigned Phs		2			6	8
Phs Duration (G+Y+Rc), s		61.2			61.2	13.8
Change Period (Y+Rc), s		6.3			6.3	6.2
Max Green Setting (Gmax), s		43.7			43.7	18.8
Max Q Clear Time (g_c+l1), s		0.0			0.0	7.4
Green Ext Time (p_c), s		0.0			0.0	0.6
Intersection Summary						
HCM 7th Control Delay, s/veh			6.3			
HCM 7th LOS			A			

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

3: CR 263 NB Off Ramp/CR 263 NB On Ramp & Maple Road

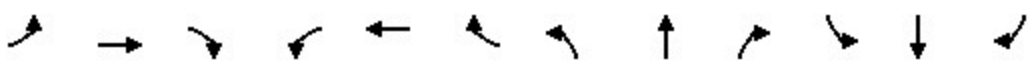
No-Build_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	84	542	0	0	868	17	49	1	341	0	0	0
Future Volume (veh/h)	84	542	0	0	868	17	49	1	341	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Lane Width Adj.	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.00			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	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			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1976	1885	0	0	1900	1900	1811	1976	1870			
Adj Flow Rate, veh/h	93	602	0	0	964	19	54	1	379			
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90			
Percent Heavy Veh, %	0	1	0	0	0	0	6	0	2			
Cap, veh/h	384	2398	0	0	2424	48	420	1	407			
Arrive On Green	0.67	0.67	0.00	0.00	0.67	0.67	0.24	0.24	0.24			
Sat Flow, veh/h	605	3676	0	0	3715	71	1725	4	1671			
Grp Volume(v), veh/h	93	602	0	0	481	502	54	0	380			
Grp Sat Flow(s),veh/h/ln	605	1791	0	0	1805	1886	1725	0	1675			
Q Serve(g_s), s	11.5	9.3	0.0	0.0	16.8	16.8	3.4	0.0	31.1			
Cycle Q Clear(g_c), s	28.3	9.3	0.0	0.0	16.8	16.8	3.4	0.0	31.1			
Prop In Lane	1.00		0.00	0.00		0.04	1.00		1.00			
Lane Grp Cap(c), veh/h	384	2398	0	0	1208	1263	420	0	408			
V/C Ratio(X)	0.24	0.25	0.00	0.00	0.40	0.40	0.13	0.00	0.93			
Avail Cap(c_a), veh/h	384	2398	0	0	1208	1263	663	0	644			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.98	0.98	0.00	0.00	0.84	0.84	1.00	0.00	1.00			
Uniform Delay (d), s/veh	16.8	9.2	0.0	0.0	10.4	10.4	41.4	0.0	51.8			
Incr Delay (d2), s/veh	1.5	0.2	0.0	0.0	0.8	0.8	0.1	0.0	11.0			
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	1.7	3.4	0.0	0.0	6.4	6.6	1.5	0.0	14.3			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	18.3	9.4	0.0	0.0	11.2	11.2	41.4	0.0	62.8			
LnGrp LOS	B	A			B	B	D		E			
Approach Vol, veh/h	695			983			434					
Approach Delay, s/veh	10.6			11.2			60.1					
Approach LOS	B			B			E					
Timer - Assigned Phs	2			4			6					
Phs Duration (G+Y+Rc), s	99.7			40.3			99.7					
Change Period (Y+Rc), s	6.0			* 6.2			6.0					
Max Green Setting (Gmax), s	74.0			* 54			74.0					
Max Q Clear Time (g_c+I1), s	30.3			33.1			0.0					
Green Ext Time (p_c), s	0.1			1.0			0.0					
Intersection Summary												
HCM 7th Control Delay, s/veh				21.1								
HCM 7th LOS				C								
Notes												
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 7th Signalized Intersection Summary 4: N Maplemere Rd & Maple Road

2254561; 716 Sports Fieldhouse

No-Build_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	92	764	27	9	770	94	14	10	13	135	9	101
Future Volume (veh/h)	92	764	27	9	770	94	14	10	13	135	9	101
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1976	1885	1900	1976	1900	1900	1900	1976	1900	1900	1900	1900
Adj Flow Rate, veh/h	105	868	31	10	875	107	16	11	15	153	10	115
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	0	1	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	531	2284	82	478	1825	223	102	70	56	296	16	187
Arrive On Green	0.10	0.65	0.65	0.02	0.56	0.56	0.13	0.13	0.13	0.00	0.13	0.13
Sat Flow, veh/h	1882	3527	126	1882	3236	396	252	556	449	1810	130	1490
Grp Volume(v), veh/h	105	441	458	10	488	494	42	0	0	153	0	125
Grp Sat Flow(s),veh/h/ln	1882	1791	1862	1882	1805	1827	1256	0	0	1810	0	1619
Q Serve(g_s), s	1.3	8.2	8.2	0.2	11.5	11.5	0.1	0.0	0.0	0.1	0.0	5.2
Cycle Q Clear(g_c), s	1.3	8.2	8.2	0.2	11.5	11.5	5.2	0.0	0.0	0.1	0.0	5.2
Prop In Lane	1.00		0.07	1.00		0.22	0.38		0.36	1.00		0.92
Lane Grp Cap(c), veh/h	531	1160	1206	478	1018	1030	228	0	0	296	0	204
V/C Ratio(X)	0.20	0.38	0.38	0.02	0.48	0.48	0.18	0.00	0.00	0.52	0.00	0.61
Avail Cap(c_a), veh/h	611	1160	1206	715	1018	1030	920	0	0	548	0	1256
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	5.1	5.8	5.8	6.3	9.2	9.2	27.8	0.0	0.0	29.1	0.0	29.4
Incr Delay (d2), s/veh	0.2	0.9	0.9	0.0	1.6	1.6	0.4	0.0	0.0	1.4	0.0	3.0
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	0.3	2.3	2.3	0.0	3.8	3.9	0.6	0.0	0.0	2.5	0.0	2.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	5.3	6.8	6.8	6.4	10.9	10.8	28.1	0.0	0.0	30.5	0.0	32.3
LnGrp LOS	A	A	A	A	B	B	C			C		C
Approach Vol, veh/h	1004			992			42			278		
Approach Delay, s/veh	6.6			10.8			28.1			31.3		
Approach LOS	A			B			C			C		
Timer - Assigned Phs	1	2		4	5	6	7	8				
Phs Duration (G+Y+Rc), s	6.1	50.9		13.9	12.0	45.0	0.0	13.9				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0	5.0	5.0				
Max Green Setting (Gmax), s	10.0	40.0		55.0	10.0	40.0	10.0	40.0				
Max Q Clear Time (g_c+I1), s	2.2	10.2		7.2	3.3	13.5	0.0	7.2				
Green Ext Time (p_c), s	0.0	3.4		0.5	0.1	3.8	0.0	0.1				
Intersection Summary												
HCM 7th Control Delay, s/veh				11.8								
HCM 7th LOS				B								

HCM 7th Signalized Intersection Summary 5: N Forest Road & Maple Road

2254561; 716 Sports Fieldhouse

No-Build_SAT

															
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations															
Traffic Volume (veh/h)	124	696	89	146	702	94	77	184	141	109	215	94			
Future Volume (veh/h)	124	696	89	146	702	94	77	184	141	109	215	94			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0			
Lane Width 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			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	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			
Work Zone On Approach	No			No			No			No					
Adj Sat Flow, veh/h/ln	1900	1885	1900	1885	1900	1900	1900	1900	1885	1900	1900	1885			
Adj Flow Rate, veh/h	132	740	95	155	747	100	82	196	150	116	229	100			
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94			
Percent Heavy Veh, %	0	1	0	1	0	0	0	0	1	0	0	1			
Cap, veh/h	415	1653	741	423	1695	754	238	277	232	269	315	264			
Arrive On Green	0.06	0.46	0.46	0.07	0.47	0.47	0.05	0.15	0.15	0.07	0.17	0.17			
Sat Flow, veh/h	1810	3582	1607	1795	3610	1607	1810	1900	1588	1810	1900	1589			
Grp Volume(v), veh/h	132	740	95	155	747	100	82	196	150	116	229	100			
Grp Sat Flow(s),veh/h/ln	1810	1791	1607	1795	1805	1607	1810	1900	1588	1810	1900	1589			
Q Serve(g_s), s	3.1	11.7	2.8	3.7	11.5	2.9	3.2	8.2	7.4	4.5	9.5	4.7			
Cycle Q Clear(g_c), s	3.1	11.7	2.8	3.7	11.5	2.9	3.2	8.2	7.4	4.5	9.5	4.7			
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	415	1653	741	423	1695	754	238	277	232	269	315	264			
V/C Ratio(X)	0.32	0.45	0.13	0.37	0.44	0.13	0.34	0.71	0.65	0.43	0.73	0.38			
Avail Cap(c_a), veh/h	544	1653	741	536	1695	754	380	879	735	375	879	735			
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	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Uniform Delay (d), s/veh	11.2	15.3	12.9	11.2	14.8	12.5	28.4	33.9	33.6	27.6	33.0	31.0			
Incr Delay (d2), s/veh	0.4	0.9	0.4	0.5	0.8	0.4	0.9	3.3	3.0	1.1	3.2	0.9			
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	1.1	4.4	1.0	1.3	4.3	1.1	1.4	3.9	3.0	1.9	4.5	1.8			
Unsig. Movement Delay, s/veh															
LnGrp Delay(d), s/veh	11.6	16.1	13.2	11.7	15.6	12.9	29.3	37.2	36.6	28.7	36.2	31.9			
LnGrp LOS	B	B	B	B	B	B	C	D	D	C	D	C			
Approach Vol, veh/h	967			1002			428			445					
Approach Delay, s/veh	15.2			14.7			35.5			33.3					
Approach LOS	B			B			D			C					
Timer - Assigned Phs	1	2	3	4	5	6	7	8							
Phs Duration (G+Y+Rc), s	9.7	45.0	8.5	20.2	9.1	45.7	10.1	18.6							
Change Period (Y+Rc), s	4.0	6.5	4.0	* 6.4	4.0	6.5	4.0	* 6.4							
Max Green Setting (Gmax), s	11.0	38.5	11.0	* 39	11.0	38.5	11.0	* 39							
Max Q Clear Time (g_c+l1), s	5.7	0.0	5.2	11.5	5.1	0.0	6.5	10.2							
Green Ext Time (p_c), s	0.2	0.0	0.1	1.2	0.2	0.0	0.1	1.3							

Intersection Summary

HCM 7th Control Delay, s/veh	20.9
HCM 7th LOS	C

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 7th Signalized Intersection Summary

6: N Maplemere Road/Coventry Road & CR 263

2254561; 716 Sports Fieldhouse

No-Build_SAT

																								
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR												
Lane Configurations																								
Traffic Volume (veh/h)	43	512	54	56	490	12	46	10	59	17	16	54												
Future Volume (veh/h)	43	512	54	56	490	12	46	10	59	17	16	54												
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0												
Lane Width Adj.	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.04												
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		0.94												
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												
Work Zone On Approach	No			No			No			No														
Adj Sat Flow, veh/h/ln	1870	1885	1900	1976	1885	1767	1900	1900	1900	1900	1976	1976												
Adj Flow Rate, veh/h	45	539	57	59	516	13	48	11	62	18	17	57												
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95												
Percent Heavy Veh, %	2	1	0	0	1	9	0	0	0	0	0	0												
Cap, veh/h	59	2222	234	76	2451	62	116	27	121	47	45	75												
Arrive On Green	0.03	0.68	0.68	0.04	0.69	0.69	0.08	0.08	0.08	0.05	0.05	0.05												
Sat Flow, veh/h	1781	3269	345	1882	3570	90	1485	340	1554	991	936	1580												
Grp Volume(v), veh/h	45	295	301	59	259	270	59	0	62	35	0	57												
Grp Sat Flow(s),veh/h/ln	1781	1791	1823	1882	1791	1869	1826	0	1554	1926	0	1580												
Q Serve(g_s), s	4.6	11.7	11.7	5.7	9.8	9.8	5.7	0.0	7.1	3.3	0.0	6.6												
Cycle Q Clear(g_c), s	4.6	11.7	11.7	5.7	9.8	9.8	5.7	0.0	7.1	3.3	0.0	6.6												
Prop In Lane	1.00		0.19	1.00		0.05	0.81		1.00	0.51		1.00												
Lane Grp Cap(c), veh/h	59	1217	1239	76	1230	1283	142	0	121	92	0	75												
V/C Ratio(X)	0.76	0.24	0.24	0.78	0.21	0.21	0.41	0.00	0.51	0.38	0.00	0.76												
Avail Cap(c_a), veh/h	416	1217	1239	185	1230	1283	321	0	273	338	0	277												
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00												
Uniform Delay (d), s/veh	88.7	11.4	11.4	88.0	10.6	10.6	81.3	0.0	81.9	85.5	0.0	87.0												
Incr Delay (d2), s/veh	24.3	0.5	0.5	15.6	0.4	0.4	2.7	0.0	4.7	2.6	0.0	14.3												
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	2.5	4.7	4.8	3.1	3.9	4.1	2.8	0.0	3.0	1.7	0.0	3.0												
Unsig. Movement Delay, s/veh																								
LnGrp Delay(d), s/veh	113.0	11.8	11.8	103.6	11.0	11.0	84.0	0.0	86.6	88.1	0.0	101.4												
LnGrp LOS	F	B	B	F	B	B	F		F	F		F												
Approach Vol, veh/h	641			588			121			92														
Approach Delay, s/veh	18.9			20.3			85.3			96.3														
Approach LOS	B			C			F			F														
Timer - Assigned Phs	1	2		4	5	6		8																
Phs Duration (G+Y+Rc), s	12.9	133.8		21.9	14.2	132.5		16.3																
Change Period (Y+Rc), s	6.8	6.8		7.5	6.8	6.8		7.5																
Max Green Setting (Gmax), s	43.2	48.2		32.5	18.2	73.2		32.5																
Max Q Clear Time (g_c+I1), s	6.6	0.0		9.1	7.7	0.0		8.6																
Green Ext Time (p_c), s	0.2	0.0		0.5	0.1	0.0		0.3																
Intersection Summary																								
HCM 7th Control Delay, s/veh	30.0																							
HCM 7th LOS	C																							
Notes																								
User approved pedestrian interval to be less than phase max green.																								

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

1: Flint Road & Maple Road

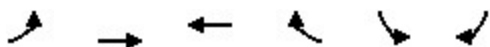
Build_PM

																			
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR							
Lane Configurations																			
Traffic Volume (veh/h)	51	704	314	182	911	58	191	86	41	150	224	133							
Future Volume (veh/h)	51	704	314	182	911	58	191	86	41	150	224	133							
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0							
Lane Width Adj.	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00							
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	1.00		0.98	0.98		0.98							
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							
Work Zone On Approach	No			No			No			No									
Adj Sat Flow, veh/h/ln	1900	1900	1961	1885	1885	1870	1945	1604	1900	1900	1868	1856							
Adj Flow Rate, veh/h	52	718	320	186	930	59	195	88	42	153	229	136							
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98							
Percent Heavy Veh, %	0	0	1	1	1	2	2	20	0	0	7	3							
Cap, veh/h	250	1365	623	338	1466	93	285	266	127	460	257	153							
Arrive On Green	0.03	0.38	0.38	0.08	0.43	0.43	0.10	0.26	0.26	0.08	0.24	0.24							
Sat Flow, veh/h	1810	3610	1648	1795	3419	217	1853	1019	486	1810	1088	646							
Grp Volume(v), veh/h	52	718	320	186	487	502	195	0	130	153	0	365							
Grp Sat Flow(s),veh/h/ln	1810	1805	1648	1795	1791	1845	1853	0	1505	1810	0	1735							
Q Serve(g_s), s	1.8	15.8	15.3	6.2	21.8	21.8	8.0	0.0	7.1	6.4	0.0	20.8							
Cycle Q Clear(g_c), s	1.8	15.8	15.3	6.2	21.8	21.8	8.0	0.0	7.1	6.4	0.0	20.8							
Prop In Lane	1.00		1.00	1.00		0.12	1.00		0.32	1.00		0.37							
Lane Grp Cap(c), veh/h	250	1365	623	338	768	791	285	0	392	460	0	409							
V/C Ratio(X)	0.21	0.53	0.51	0.55	0.63	0.63	0.68	0.00	0.33	0.33	0.00	0.89							
Avail Cap(c_a), veh/h	390	1365	623	386	768	791	286	0	578	506	0	666							
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00							
Uniform Delay (d), s/veh	19.9	24.7	24.5	17.8	22.9	22.9	27.9	0.0	30.5	26.0	0.0	37.8							
Incr Delay (d2), s/veh	0.4	1.5	3.0	1.4	4.0	3.9	6.5	0.0	0.5	0.4	0.0	8.9							
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	0.7	6.6	6.4	2.5	9.3	9.6	4.0	0.0	2.6	2.8	0.0	9.7							
Unsig. Movement Delay, s/veh																			
LnGrp Delay(d), s/veh	20.3	26.1	27.5	19.2	26.9	26.8	34.4	0.0	31.0	26.4	0.0	46.7							
LnGrp LOS	C	C	C	B	C	C	C		C	C		D							
Approach Vol, veh/h	1090			1175			325			518									
Approach Delay, s/veh	26.3			25.6			33.1			40.7									
Approach LOS	C			C			C			D									
Timer - Assigned Phs	1	2	3	4	5	6	7	8											
Phs Duration (G+Y+Rc), s	12.3	45.0	15.0	29.9	7.1	50.2	12.4	32.4											
Change Period (Y+Rc), s	4.0	6.4	5.0	5.8	4.0	6.4	4.0	5.8											
Max Green Setting (Gmax), s	11.0	38.6	10.0	39.2	11.0	38.6	11.0	39.2											
Max Q Clear Time (g_c+I1), s	8.2	0.0	10.0	22.8	3.8	0.0	8.4	9.1											
Green Ext Time (p_c), s	0.1	0.0	0.0	1.3	0.0	0.0	0.1	0.5											
Intersection Summary																			
HCM 7th Control Delay, s/veh	29.1																		
HCM 7th LOS	C																		

HCM 7th Signalized Intersection Summary 2: Maple Road & CR 263 SB Ramps

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Build_PM



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	5	890	1008	372	24	143
Future Volume (veh/h)	5	890	1008	372	24	143
Initial Q (Qb), veh	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.04	1.04
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1976	1900	1885	1961	1976	1961
Adj Flow Rate, veh/h	5	927	1050	388	25	149
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	1	1	0	1
Cap, veh/h	328	2571	2551	1169	228	201
Arrive On Green	0.71	0.71	0.71	0.71	0.12	0.12
Sat Flow, veh/h	392	3705	3676	1642	1882	1662
Grp Volume(v), veh/h	5	927	1050	388	25	149
Grp Sat Flow(s),veh/h/ln	392	1805	1791	1642	1882	1662
Q Serve(g_s), s	0.4	7.5	9.0	6.7	0.9	6.5
Cycle Q Clear(g_c), s	9.3	7.5	9.0	6.7	0.9	6.5
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	328	2571	2551	1169	228	201
V/C Ratio(X)	0.02	0.36	0.41	0.33	0.11	0.74
Avail Cap(c_a), veh/h	328	2571	2551	1169	472	416
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.86	0.86	0.61	0.61	1.00	1.00
Uniform Delay (d), s/veh	6.3	4.2	4.4	4.1	29.4	31.8
Incr Delay (d2), s/veh	0.1	0.3	0.3	0.5	0.3	7.4
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.0	1.6	1.9	1.4	0.4	2.9
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	6.4	4.5	4.7	4.5	29.7	39.2
LnGrp LOS	A	A	A	A	C	D
Approach Vol, veh/h		932	1438		174	
Approach Delay, s/veh		4.5	4.7		37.8	
Approach LOS		A	A		D	
Timer - Assigned Phs		2			6	8
Phs Duration (G+Y+Rc), s		59.7			59.7	15.3
Change Period (Y+Rc), s		6.3			6.3	6.2
Max Green Setting (Gmax), s		43.7			43.7	18.8
Max Q Clear Time (g_c+I1), s		0.0			0.0	8.5
Green Ext Time (p_c), s		0.0			0.0	0.8
Intersection Summary						
HCM 7th Control Delay, s/veh			6.9			
HCM 7th LOS			A			

HCM 7th Signalized Intersection Summary

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3: CR 263 NB Off Ramp/CR 263 NB On Ramp & Maple Road

Build_PM

																								
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR												
Lane Configurations		 			 																			
Traffic Volume (veh/h)	72	842	0	0	1326	29	54	0	701	0	0	0												
Future Volume (veh/h)	72	842	0	0	1326	29	54	0	701	0	0	0												
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0															
Lane Width Adj.	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.00															
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	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															
Work Zone On Approach	No			No			No																	
Adj Sat Flow, veh/h/ln	1976	1900	0	0	1885	1796	1870	1976	1900															
Adj Flow Rate, veh/h	75	877	0	0	1381	30	56	0	720															
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96															
Percent Heavy Veh, %	0	0	0	0	1	7	2	0	0															
Cap, veh/h	136	1895	0	0	1881	41	710	0	668															
Arrive On Green	0.52	0.52	0.00	0.00	0.52	0.52	0.40	0.00	0.40															
Sat Flow, veh/h	403	3705	0	0	3677	78	1781	0	1675															
Grp Volume(v), veh/h	75	877	0	0	690	721	56	0	720															
Grp Sat Flow(s),veh/h/ln	403	1805	0	0	1791	1870	1781	0	1675															
Q Serve(g_s), s	28.3	24.4	0.0	0.0	47.6	47.7	3.1	0.0	63.8															
Cycle Q Clear(g_c), s	76.0	24.4	0.0	0.0	47.6	47.7	3.1	0.0	63.8															
Prop In Lane	1.00		0.00	0.00		0.04	1.00		1.00															
Lane Grp Cap(c), veh/h	136	1895	0	0	940	982	710	0	668															
V/C Ratio(X)	0.55	0.46	0.00	0.00	0.73	0.73	0.08	0.00	1.08															
Avail Cap(c_a), veh/h	136	1895	0	0	940	982	710	0	668															
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00															
Upstream Filter(I)	0.94	0.94	0.00	0.00	0.67	0.67	1.00	0.00	1.00															
Uniform Delay (d), s/veh	58.8	23.8	0.0	0.0	29.4	29.4	29.9	0.0	48.1															
Incr Delay (d2), s/veh	14.2	0.8	0.0	0.0	3.4	3.3	0.0	0.0	57.8															
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0															
%ile BackOfQ(50%),veh/ln	3.4	10.3	0.0	0.0	20.6	21.5	1.4	0.0	37.2															
Unsig. Movement Delay, s/veh																								
LnGrp Delay(d), s/veh	73.0	24.6	0.0	0.0	32.8	32.7	29.9	0.0	105.9															
LnGrp LOS	E	C			C	C	C		F															
Approach Vol, veh/h	952			1411			776																	
Approach Delay, s/veh	28.4			32.7			100.4																	
Approach LOS	C			C			F																	
Timer - Assigned Phs	2			4			6																	
Phs Duration (G+Y+Rc), s	90.0			70.0			90.0																	
Change Period (Y+Rc), s	6.0			* 6.2			6.0																	
Max Green Setting (Gmax), s	84.0			* 64			84.0																	
Max Q Clear Time (g_c+I1), s	78.0			65.8			0.0																	
Green Ext Time (p_c), s	0.1			0.0			0.0																	
Intersection Summary																								
HCM 7th Control Delay, s/veh				48.2																				
HCM 7th LOS				D																				
Notes																								
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.																								

HCM 7th Signalized Intersection Summary

4: N Maplemere Rd & Maple Road

2254561; 716 Sports Fieldhouse

Build_PM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	26	1494	23	16	1285	66	20	14	14	136	15	50
Future Volume (veh/h)	26	1494	23	16	1285	66	20	14	14	136	15	50
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00
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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1976	1900	1900	1976	1885	1900	1900	1976	1900	1900	1900	1900
Adj Flow Rate, veh/h	27	1556	24	17	1339	69	21	15	15	142	16	52
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	0	0	1	0	0	0	0	0	0	0
Cap, veh/h	339	2277	35	272	2089	107	134	91	62	349	49	158
Arrive On Green	0.05	0.63	0.63	0.02	0.60	0.60	0.12	0.12	0.12	0.00	0.12	0.12
Sat Flow, veh/h	1882	3639	56	1882	3466	178	461	737	499	1810	392	1275
Grp Volume(v), veh/h	27	771	809	17	691	717	51	0	0	142	0	68
Grp Sat Flow(s),veh/h/ln	1882	1805	1890	1882	1791	1853	1698	0	0	1810	0	1667
Q Serve(g_s), s	0.3	18.5	18.6	0.2	16.6	16.7	0.0	0.0	0.0	0.1	0.0	2.5
Cycle Q Clear(g_c), s	0.3	18.5	18.6	0.2	16.6	16.7	1.6	0.0	0.0	0.1	0.0	2.5
Prop In Lane	1.00		0.03	1.00		0.10	0.41		0.29	1.00		0.76
Lane Grp Cap(c), veh/h	339	1129	1182	272	1079	1117	287	0	0	349	0	207
V/C Ratio(X)	0.08	0.68	0.68	0.06	0.64	0.64	0.18	0.00	0.00	0.41	0.00	0.33
Avail Cap(c_a), veh/h	534	1129	1182	510	1079	1117	1062	0	0	619	0	1381
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	6.4	8.1	8.1	7.0	8.5	8.5	26.2	0.0	0.0	25.7	0.0	26.5
Incr Delay (d2), s/veh	0.1	3.4	3.2	0.1	2.9	2.8	0.3	0.0	0.0	0.8	0.0	0.9
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	0.1	5.6	5.8	0.1	5.1	5.3	0.7	0.0	0.0	2.0	0.0	1.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	6.5	11.5	11.4	7.1	11.4	11.4	26.5	0.0	0.0	26.5	0.0	27.5
LnGrp LOS	A	B	B	A	B	B	C			C		C
Approach Vol, veh/h	1607			1425			51			210		
Approach Delay, s/veh	11.3			11.4			26.5			26.8		
Approach LOS	B			B			C			C		
Timer - Assigned Phs	1	2		4	5	6	7	8				
Phs Duration (G+Y+Rc), s	6.6	46.5		13.2	8.1	45.0	0.0	13.2				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0	5.0	5.0				
Max Green Setting (Gmax), s	10.0	40.0		55.0	10.0	40.0	10.0	40.0				
Max Q Clear Time (g_c+I1), s	2.2	20.6		4.5	2.3	18.7	0.0	3.6				
Green Ext Time (p_c), s	0.0	6.8		0.2	0.0	6.0	0.0	0.2				
Intersection Summary												
HCM 7th Control Delay, s/veh				12.6								
HCM 7th LOS				B								

HCM 7th Signalized Intersection Summary

5: N Forest Road & Maple Road

2254561; 716 Sports Fieldhouse

Build_PM

															
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations															
Traffic Volume (veh/h)	205	1192	179	198	994	176	150	388	243	196	324	136			
Future Volume (veh/h)	205	1192	179	198	994	176	150	388	243	196	324	136			
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0			
Lane Width 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			
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		0.99	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			
Work Zone On Approach	No			No			No			No					
Adj Sat Flow, veh/h/ln	1900	1900	1870	1900	1900	1885	1900	1885	1900	1900	1885	1885			
Adj Flow Rate, veh/h	209	1216	183	202	1014	180	153	396	248	200	331	139			
Peak Hour Factor	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98			
Percent Heavy Veh, %	0	0	2	0	0	1	0	1	0	0	1	1			
Cap, veh/h	290	1334	582	248	1326	583	314	456	390	283	492	417			
Arrive On Green	0.09	0.37	0.37	0.09	0.37	0.37	0.08	0.24	0.24	0.10	0.26	0.26			
Sat Flow, veh/h	1810	3610	1574	1810	3610	1587	1810	1885	1610	1810	1885	1598			
Grp Volume(v), veh/h	209	1216	183	202	1014	180	153	396	248	200	331	139			
Grp Sat Flow(s),veh/h/ln	1810	1805	1574	1810	1805	1587	1810	1885	1610	1810	1885	1598			
Q Serve(g_s), s	7.4	33.6	8.7	7.2	25.9	8.5	6.5	21.1	14.5	8.6	16.5	7.4			
Cycle Q Clear(g_c), s	7.4	33.6	8.7	7.2	25.9	8.5	6.5	21.1	14.5	8.6	16.5	7.4			
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	290	1334	582	248	1326	583	314	456	390	283	492	417			
V/C Ratio(X)	0.72	0.91	0.31	0.82	0.76	0.31	0.49	0.87	0.64	0.71	0.67	0.33			
Avail Cap(c_a), veh/h	316	1334	582	278	1326	583	356	694	593	291	694	588			
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	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Uniform Delay (d), s/veh	22.8	31.4	23.6	24.3	29.2	23.7	27.4	38.1	35.6	28.2	34.7	31.3			
Incr Delay (d2), s/veh	7.1	10.9	1.4	15.4	4.2	1.4	1.2	7.5	1.7	7.4	1.6	0.5			
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	3.5	15.6	3.4	3.8	11.3	3.3	2.9	10.5	5.7	4.2	7.6	2.9			
Unsig. Movement Delay, s/veh															
LnGrp Delay(d), s/veh	29.9	42.3	25.0	39.8	33.4	25.0	28.6	45.6	37.3	35.6	36.3	31.8			
LnGrp LOS	C	D	C	D	C	C	C	D	D	D	D	C			
Approach Vol, veh/h	1608			1396			797			670					
Approach Delay, s/veh	38.7			33.3			39.8			35.1					
Approach LOS	D			C			D			D					
Timer - Assigned Phs	1	2	3	4	5	6	7	8							
Phs Duration (G+Y+Rc), s	13.3	45.2	12.6	33.8	13.5	45.0	14.6	31.8							
Change Period (Y+Rc), s	4.0	6.5	4.0	* 6.4	4.0	6.5	4.0	* 6.4							
Max Green Setting (Gmax), s	11.0	38.5	11.0	* 39	11.0	38.5	11.0	* 39							
Max Q Clear Time (g_c+I1), s	9.2	0.0	8.5	18.5	9.4	0.0	10.6	23.1							
Green Ext Time (p_c), s	0.1	0.0	0.1	1.7	0.1	0.0	0.0	2.2							

Intersection Summary

HCM 7th Control Delay, s/veh	36.7
HCM 7th LOS	D

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 7th Signalized Intersection Summary

6: N Maplemere Road/Coventry Road & CR 263

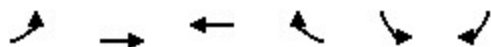
2254561; 716 Sports Fieldhouse

Build_PM

																								
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR												
Lane Configurations																								
Traffic Volume (veh/h)	127	825	33	61	635	45	68	31	71	132	61	325												
Future Volume (veh/h)	127	825	33	61	635	45	68	31	71	132	61	325												
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0												
Lane Width Adj.	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.04												
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.96	1.00		0.98												
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												
Work Zone On Approach	No			No			No			No														
Adj Sat Flow, veh/h/ln	1900	1885	1900	1976	1870	1826	1900	1900	1900	1885	1976	1976												
Adj Flow Rate, veh/h	134	868	35	64	668	47	72	33	75	139	64	342												
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95												
Percent Heavy Veh, %	0	1	0	0	2	5	0	0	0	1	0	0												
Cap, veh/h	158	1846	74	81	1624	114	127	58	155	230	106	288												
Arrive On Green	0.09	0.53	0.53	0.04	0.48	0.48	0.10	0.10	0.10	0.18	0.18	0.18												
Sat Flow, veh/h	1810	3509	141	1882	3368	237	1260	577	1548	1308	602	1637												
Grp Volume(v), veh/h	134	443	460	64	352	363	105	0	75	203	0	342												
Grp Sat Flow(s),veh/h/ln	1810	1791	1860	1882	1777	1828	1837	0	1548	1911	0	1637												
Q Serve(g_s), s	13.5	28.8	28.8	6.2	23.7	23.7	10.1	0.0	8.5	18.1	0.0	32.5												
Cycle Q Clear(g_c), s	13.5	28.8	28.8	6.2	23.7	23.7	10.1	0.0	8.5	18.1	0.0	32.5												
Prop In Lane	1.00		0.08	1.00		0.13	0.69		1.00	0.68		1.00												
Lane Grp Cap(c), veh/h	158	942	978	81	857	881	184	0	155	336	0	288												
V/C Ratio(X)	0.85	0.47	0.47	0.79	0.41	0.41	0.57	0.00	0.48	0.60	0.00	1.19												
Avail Cap(c_a), veh/h	423	942	978	185	857	881	323	0	272	336	0	288												
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00												
Uniform Delay (d), s/veh	83.2	27.6	27.6	87.6	30.9	31.0	79.4	0.0	78.7	70.3	0.0	76.3												
Incr Delay (d2), s/veh	16.0	1.7	1.6	15.2	1.5	1.4	3.9	0.0	3.3	3.1	0.0	114.3												
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	7.0	12.7	13.2	3.4	10.5	10.8	5.0	0.0	3.6	9.2	0.0	22.9												
Unsig. Movement Delay, s/veh																								
LnGrp Delay(d), s/veh	99.2	29.3	29.2	102.8	32.4	32.4	83.3	0.0	81.9	73.4	0.0	190.6												
LnGrp LOS	F	C	C	F	C	C	F		F	E		F												
Approach Vol, veh/h	1037			779			180			545														
Approach Delay, s/veh	38.3			38.2			82.7			146.9														
Approach LOS	D			D			F			F														
Timer - Assigned Phs	1	2		4	5	6		8																
Phs Duration (G+Y+Rc), s	22.9	96.0		26.1	14.8	104.1		40.0																
Change Period (Y+Rc), s	6.8	6.8		7.5	6.8	6.8		7.5																
Max Green Setting (Gmax), s	43.2	48.2		32.5	18.2	73.2		32.5																
Max Q Clear Time (g_c+I1), s	15.5	0.0		12.1	8.2	0.0		34.5																
Green Ext Time (p_c), s	0.6	0.0		0.8	0.1	0.0		0.0																
Intersection Summary																								
HCM 7th Control Delay, s/veh	64.7																							
HCM 7th LOS	E																							
Notes																								
User approved pedestrian interval to be less than phase max green.																								

HCM 7th Signalized Intersection Summary 7: Maple Road

2254561; 716 Sports Fieldhouse
Build_PM



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	214	1430	1138	143	153	229
Future Volume (veh/h)	214	1430	1138	143	153	229
Initial Q (Qb), veh	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1900	1900	1885	1900	1900	1900
Adj Flow Rate, veh/h	223	1490	1185	149	159	239
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96
Percent Heavy Veh, %	0	0	1	0	0	0
Cap, veh/h	280	2171	1926	241	337	300
Arrive On Green	0.60	0.60	0.60	0.60	0.19	0.19
Sat Flow, veh/h	417	3705	3297	401	1810	1610
Grp Volume(v), veh/h	223	1490	661	673	159	239
Grp Sat Flow(s),veh/h/ln	417	1805	1791	1813	1810	1610
Q Serve(g_s), s	20.7	15.8	13.2	13.3	4.4	8.0
Cycle Q Clear(g_c), s	34.0	15.8	13.2	13.3	4.4	8.0
Prop In Lane	1.00			0.22	1.00	1.00
Lane Grp Cap(c), veh/h	280	2171	1077	1090	337	300
V/C Ratio(X)	0.80	0.69	0.61	0.62	0.47	0.80
Avail Cap(c_a), veh/h	280	2171	1077	1090	448	399
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	21.2	7.6	7.1	7.1	20.5	22.0
Incr Delay (d2), s/veh	14.7	0.9	1.0	1.1	1.0	8.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.0	4.6	3.1	3.2	1.8	3.4
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	35.9	8.6	8.2	8.2	21.5	30.0
LnGrp LOS	D	A	A	A	C	C
Approach Vol, veh/h		1713	1334		398	
Approach Delay, s/veh		12.1	8.2		26.6	
Approach LOS		B	A		C	
Timer - Assigned Phs				4	6	8
Phs Duration (G+Y+Rc), s				40.0	16.5	40.0
Change Period (Y+Rc), s				6.0	6.0	6.0
Max Green Setting (Gmax), s				34.0	14.0	34.0
Max Q Clear Time (g_c+I1), s				36.0	10.0	0.0
Green Ext Time (p_c), s				0.0	0.5	0.0
Intersection Summary						
HCM 7th Control Delay, s/veh			12.3			
HCM 7th LOS			B			

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

1: Flint Road & Maple Road

Build_SAT

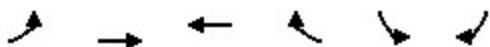
																			
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR							
Lane Configurations																			
Traffic Volume (veh/h)	23	624	199	141	730	19	151	23	36	26	35	44							
Future Volume (veh/h)	23	624	199	141	730	19	151	23	36	26	35	44							
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0							
Lane Width Adj.	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00							
Ped-Bike Adj(A_pbT)	1.00		0.99	1.00		1.00	0.98		0.98	0.97		0.97							
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							
Work Zone On Approach	No			No			No			No									
Adj Sat Flow, veh/h/ln	1826	1885	1945	1885	1900	1900	1961	1693	1900	1841	1837	1870							
Adj Flow Rate, veh/h	26	709	226	160	830	22	172	26	41	30	40	50							
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88							
Percent Heavy Veh, %	5	1	2	1	0	0	1	14	0	4	9	2							
Cap, veh/h	344	1627	745	401	1801	48	374	126	199	291	94	117							
Arrive On Green	0.02	0.45	0.45	0.07	0.50	0.50	0.10	0.22	0.22	0.02	0.13	0.13							
Sat Flow, veh/h	1739	3582	1639	1795	3592	95	1867	584	921	1753	728	910							
Grp Volume(v), veh/h	26	709	226	160	417	435	172	0	67	30	0	90							
Grp Sat Flow(s),veh/h/ln	1739	1791	1639	1795	1805	1883	1867	0	1505	1753	0	1637							
Q Serve(g_s), s	0.7	11.4	7.4	3.8	12.7	12.7	6.5	0.0	3.1	1.3	0.0	4.3							
Cycle Q Clear(g_c), s	0.7	11.4	7.4	3.8	12.7	12.7	6.5	0.0	3.1	1.3	0.0	4.3							
Prop In Lane	1.00		1.00	1.00		0.05	1.00		0.61	1.00		0.56							
Lane Grp Cap(c), veh/h	344	1627	745	401	905	944	374	0	324	291	0	211							
V/C Ratio(X)	0.08	0.44	0.30	0.40	0.46	0.46	0.46	0.00	0.21	0.10	0.00	0.43							
Avail Cap(c_a), veh/h	532	1627	745	510	905	944	410	0	694	476	0	755							
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00							
Uniform Delay (d), s/veh	12.3	15.8	14.7	11.0	13.7	13.7	26.5	0.0	27.4	31.0	0.0	34.1							
Incr Delay (d2), s/veh	0.1	0.9	1.0	0.6	1.7	1.6	0.9	0.0	0.3	0.2	0.0	1.4							
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	0.2	4.3	2.8	1.3	4.9	5.1	2.9	0.0	1.1	0.5	0.0	1.8							
Unsig. Movement Delay, s/veh																			
LnGrp Delay(d), s/veh	12.4	16.6	15.7	11.7	15.4	15.4	27.4	0.0	27.7	31.2	0.0	35.5							
LnGrp LOS	B	B	B	B	B	B	C		C	C		D							
Approach Vol, veh/h	961			1012			239			120									
Approach Delay, s/veh	16.3			14.8			27.5			34.4									
Approach LOS	B			B			C			C									
Timer - Assigned Phs	1	2	3	4	5	6	7	8											
Phs Duration (G+Y+Rc), s	9.8	45.0	13.4	16.8	5.8	49.0	6.0	24.1											
Change Period (Y+Rc), s	4.0	6.4	5.0	5.8	4.0	6.4	4.0	5.8											
Max Green Setting (Gmax), s	11.0	38.6	10.0	39.2	11.0	38.6	11.0	39.2											
Max Q Clear Time (g_c+I1), s	5.8	0.0	8.5	6.3	2.7	0.0	3.3	5.1											
Green Ext Time (p_c), s	0.2	0.0	0.1	0.3	0.0	0.0	0.0	0.2											
Intersection Summary																			
HCM 7th Control Delay, s/veh	17.7																		
HCM 7th LOS	B																		

HCM 7th Signalized Intersection Summary

2: Maple Road & CR 263 SB Ramps

2254561; 716 Sports Fieldhouse

Build _SAT



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	12	674	780	242	7	110
Future Volume (veh/h)	12	674	780	242	7	110
Initial Q (Qb), veh	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.04	1.04
Ped-Bike Adj(A_pbT)	1.00			0.99	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1699	1885	1885	1961	1976	1976
Adj Flow Rate, veh/h	14	766	886	275	8	125
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	18	1	1	1	0	0
Cap, veh/h	379	2623	2623	1208	190	169
Arrive On Green	0.73	0.73	0.73	0.73	0.10	0.10
Sat Flow, veh/h	439	3676	3676	1649	1882	1675
Grp Volume(v), veh/h	14	766	886	275	8	125
Grp Sat Flow(s), veh/h/ln	439	1791	1791	1649	1882	1675
Q Serve(g_s), s	0.9	5.5	6.6	4.0	0.3	5.4
Cycle Q Clear(g_c), s	7.5	5.5	6.6	4.0	0.3	5.4
Prop In Lane	1.00			1.00	1.00	1.00
Lane Grp Cap(c), veh/h	379	2623	2623	1208	190	169
V/C Ratio(X)	0.04	0.29	0.34	0.23	0.04	0.74
Avail Cap(c_a), veh/h	379	2623	2623	1208	472	420
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	0.91	0.91	0.91	0.91	1.00	1.00
Uniform Delay (d), s/veh	4.9	3.4	3.6	3.2	30.4	32.8
Incr Delay (d2), s/veh	0.2	0.3	0.3	0.4	0.1	8.7
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.1	1.1	1.3	0.8	0.1	2.5
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	5.1	3.7	3.9	3.6	30.6	41.4
LnGrp LOS	A	A	A	A	C	D
Approach Vol, veh/h		780	1161		133	
Approach Delay, s/veh		3.7	3.8		40.8	
Approach LOS		A	A		D	
Timer - Assigned Phs		2			6	8
Phs Duration (G+Y+Rc), s		61.2			61.2	13.8
Change Period (Y+Rc), s		6.3			6.3	6.2
Max Green Setting (Gmax), s		43.7			43.7	18.8
Max Q Clear Time (g_c+I1), s		0.0			0.0	7.4
Green Ext Time (p_c), s		0.0			0.0	0.6
Intersection Summary						
HCM 7th Control Delay, s/veh			6.1			
HCM 7th LOS			A			

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

3: CR 263 NB Off Ramp/CR 263 NB On Ramp & Maple Road

Build_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		 			 							
Traffic Volume (veh/h)	84	597	0	0	973	17	49	1	407	0	0	0
Future Volume (veh/h)	84	597	0	0	973	17	49	1	407	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Lane Width Adj.	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.00			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	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			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1976	1885	0	0	1900	1900	1811	1976	1870			
Adj Flow Rate, veh/h	93	663	0	0	1081	19	54	1	452			
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90			
Percent Heavy Veh, %	0	1	0	0	0	0	6	0	2			
Cap, veh/h	305	2243	0	0	2272	40	495	1	479			
Arrive On Green	0.63	0.63	0.00	0.00	0.63	0.63	0.29	0.29	0.29			
Sat Flow, veh/h	541	3676	0	0	3724	64	1725	4	1671			
Grp Volume(v), veh/h	93	663	0	0	538	562	54	0	453			
Grp Sat Flow(s),veh/h/ln	541	1791	0	0	1805	1888	1725	0	1675			
Q Serve(g_s), s	15.5	11.9	0.0	0.0	22.2	22.2	3.2	0.0	37.0			
Cycle Q Clear(g_c), s	37.7	11.9	0.0	0.0	22.2	22.2	3.2	0.0	37.0			
Prop In Lane	1.00		0.00	0.00		0.03	1.00		1.00			
Lane Grp Cap(c), veh/h	305	2243	0	0	1130	1182	495	0	480			
V/C Ratio(X)	0.31	0.30	0.00	0.00	0.48	0.48	0.11	0.00	0.94			
Avail Cap(c_a), veh/h	305	2243	0	0	1130	1182	663	0	644			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.97	0.97	0.00	0.00	0.77	0.77	1.00	0.00	1.00			
Uniform Delay (d), s/veh	24.0	12.0	0.0	0.0	13.9	13.9	36.8	0.0	48.8			
Incr Delay (d2), s/veh	2.5	0.3	0.0	0.0	1.1	1.1	0.0	0.0	17.0			
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	2.1	4.6	0.0	0.0	8.8	9.1	1.4	0.0	17.7			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	26.5	12.3	0.0	0.0	15.0	15.0	36.8	0.0	65.8			
LnGrp LOS	C	B			B	B	D		E			
Approach Vol, veh/h	756			1100			507					
Approach Delay, s/veh	14.1			15.0			62.7					
Approach LOS	B			B			E					
Timer - Assigned Phs	2			4			6					
Phs Duration (G+Y+Rc), s	93.7			46.3			93.7					
Change Period (Y+Rc), s	6.0			* 6.2			6.0					
Max Green Setting (Gmax), s	74.0			* 54			74.0					
Max Q Clear Time (g_c+I1), s	39.7			39.0			0.0					
Green Ext Time (p_c), s	0.1			1.1			0.0					
Intersection Summary												
HCM 7th Control Delay, s/veh				24.9								
HCM 7th LOS				C								
Notes												
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 7th Signalized Intersection Summary

4: N Maplemere Rd & Maple Road

2254561; 716 Sports Fieldhouse

Build_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	92	886	27	9	875	104	14	10	13	146	9	101
Future Volume (veh/h)	92	886	27	9	875	104	14	10	13	146	9	101
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.04	1.00	1.00	1.04	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1976	1885	1900	1976	1900	1900	1900	1976	1900	1900	1900	1900
Adj Flow Rate, veh/h	105	1007	31	10	994	118	16	11	15	166	10	115
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	0	1	0	0	0	0	0	0	0	0	0	0
Cap, veh/h	486	2296	71	421	1832	217	102	70	56	296	16	187
Arrive On Green	0.10	0.65	0.65	0.02	0.56	0.56	0.13	0.13	0.13	0.00	0.13	0.13
Sat Flow, veh/h	1882	3547	109	1882	3248	385	252	556	449	1810	130	1490
Grp Volume(v), veh/h	105	508	530	10	552	560	42	0	0	166	0	125
Grp Sat Flow(s),veh/h/ln	1882	1791	1865	1882	1805	1829	1256	0	0	1810	0	1619
Q Serve(g_s), s	1.3	9.9	9.9	0.2	13.6	13.6	0.1	0.0	0.0	0.1	0.0	5.2
Cycle Q Clear(g_c), s	1.3	9.9	9.9	0.2	13.6	13.6	5.2	0.0	0.0	0.1	0.0	5.2
Prop In Lane	1.00		0.06	1.00		0.21	0.38		0.36	1.00		0.92
Lane Grp Cap(c), veh/h	486	1160	1208	421	1018	1031	228	0	0	296	0	204
V/C Ratio(X)	0.22	0.44	0.44	0.02	0.54	0.54	0.18	0.00	0.00	0.56	0.00	0.61
Avail Cap(c_a), veh/h	566	1160	1208	658	1018	1031	920	0	0	548	0	1256
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	0.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	5.7	6.2	6.2	6.4	9.7	9.7	27.8	0.0	0.0	29.4	0.0	29.4
Incr Delay (d2), s/veh	0.2	1.2	1.2	0.0	2.1	2.1	0.4	0.0	0.0	1.7	0.0	3.0
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	0.3	2.8	2.9	0.0	4.6	4.6	0.6	0.0	0.0	2.7	0.0	2.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	6.0	7.4	7.3	6.4	11.8	11.8	28.1	0.0	0.0	31.1	0.0	32.3
LnGrp LOS	A	A	A	A	B	B	C			C		C
Approach Vol, veh/h	1143			1122			42			291		
Approach Delay, s/veh	7.2			11.7			28.1			31.6		
Approach LOS	A			B			C			C		
Timer - Assigned Phs	1	2		4	5	6	7	8				
Phs Duration (G+Y+Rc), s	6.1	50.9		13.9	12.0	45.0	0.0	13.9				
Change Period (Y+Rc), s	5.0	5.0		5.0	5.0	5.0	5.0	5.0				
Max Green Setting (Gmax), s	10.0	40.0		55.0	10.0	40.0	10.0	40.0				
Max Q Clear Time (g_c+I1), s	2.2	11.9		7.2	3.3	15.6	0.0	7.2				
Green Ext Time (p_c), s	0.0	4.0		0.5	0.1	4.4	0.0	0.1				
Intersection Summary												
HCM 7th Control Delay, s/veh				12.2								
HCM 7th LOS				B								

HCM 7th Signalized Intersection Summary

5: N Forest Road & Maple Road

2254561; 716 Sports Fieldhouse

Build_SAT

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	143	735	108	146	746	94	99	184	141	109	215	116
Future Volume (veh/h)	143	735	108	146	746	94	99	184	141	109	215	116
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width 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
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.99	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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1900	1885	1900	1885	1900	1900	1900	1900	1885	1900	1900	1885
Adj Flow Rate, veh/h	152	782	115	155	794	100	105	196	150	116	229	123
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	0	1	0	1	0	0	0	0	1	0	0	1
Cap, veh/h	400	1633	732	399	1651	735	254	294	246	277	306	256
Arrive On Green	0.07	0.46	0.46	0.07	0.46	0.46	0.07	0.15	0.15	0.07	0.16	0.16
Sat Flow, veh/h	1810	3582	1607	1795	3610	1607	1810	1900	1588	1810	1900	1589
Grp Volume(v), veh/h	152	782	115	155	794	100	105	196	150	116	229	123
Grp Sat Flow(s),veh/h/ln	1810	1791	1607	1795	1805	1607	1810	1900	1588	1810	1900	1589
Q Serve(g_s), s	3.7	12.8	3.5	3.8	12.9	3.0	4.0	8.2	7.4	4.5	9.7	5.9
Cycle Q Clear(g_c), s	3.7	12.8	3.5	3.8	12.9	3.0	4.0	8.2	7.4	4.5	9.7	5.9
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	400	1633	732	399	1651	735	254	294	246	277	306	256
V/C Ratio(X)	0.38	0.48	0.16	0.39	0.48	0.14	0.41	0.67	0.61	0.42	0.75	0.48
Avail Cap(c_a), veh/h	513	1633	732	509	1651	735	369	868	726	381	868	726
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	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	11.7	16.0	13.5	11.7	15.9	13.3	27.7	33.6	33.3	27.4	33.8	32.2
Incr Delay (d2), s/veh	0.6	1.0	0.5	0.6	1.0	0.4	1.1	2.6	2.4	1.0	3.7	1.4
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	1.3	4.8	1.3	1.3	4.9	1.1	1.8	3.9	2.9	1.9	4.6	2.3
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	12.3	17.0	13.9	12.3	17.0	13.6	28.8	36.2	35.7	28.4	37.5	33.6
LnGrp LOS	B	B	B	B	B	B	C	D	D	C	D	C
Approach Vol, veh/h	1049			1049			451			468		
Approach Delay, s/veh	16.0			16.0			34.3			34.2		
Approach LOS	B			B			C			C		
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	9.8	45.0	9.6	20.0	9.7	45.1	10.1	19.5				
Change Period (Y+Rc), s	4.0	6.5	4.0	* 6.4	4.0	6.5	4.0	* 6.4				
Max Green Setting (Gmax), s	11.0	38.5	11.0	* 39	11.0	38.5	11.0	* 39				
Max Q Clear Time (g_c+I1), s	5.8	0.0	6.0	11.7	5.7	0.0	6.5	10.2				
Green Ext Time (p_c), s	0.2	0.0	0.1	1.3	0.2	0.0	0.1	1.3				

Intersection Summary

HCM 7th Control Delay, s/veh	21.5
HCM 7th LOS	C

Notes

* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.

HCM 7th Signalized Intersection Summary

6: N Maplemere Road/Coventry Road & CR 263

2254561; 716 Sports Fieldhouse

Build_SAT

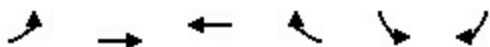
												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	43	512	54	67	490	12	46	10	69	17	16	54
Future Volume (veh/h)	43	512	54	67	490	12	46	10	69	17	16	54
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.04
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		0.97	1.00		0.94
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
Work Zone On Approach	No			No			No			No		
Adj Sat Flow, veh/h/ln	1870	1885	1900	1976	1885	1767	1900	1900	1900	1900	1976	1976
Adj Flow Rate, veh/h	45	539	57	71	516	13	48	11	73	18	17	57
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	2	1	0	0	1	9	0	0	0	0	0	0
Cap, veh/h	59	2180	230	89	2432	61	124	28	130	47	45	75
Arrive On Green	0.03	0.67	0.67	0.05	0.68	0.68	0.08	0.08	0.08	0.05	0.05	0.05
Sat Flow, veh/h	1781	3269	345	1882	3570	90	1485	340	1558	991	936	1580
Grp Volume(v), veh/h	45	295	301	71	259	270	59	0	73	35	0	57
Grp Sat Flow(s),veh/h/ln	1781	1791	1823	1882	1791	1869	1826	0	1558	1926	0	1580
Q Serve(g_s), s	4.6	12.1	12.2	6.9	10.0	10.0	5.7	0.0	8.3	3.3	0.0	6.6
Cycle Q Clear(g_c), s	4.6	12.1	12.2	6.9	10.0	10.0	5.7	0.0	8.3	3.3	0.0	6.6
Prop In Lane	1.00		0.19	1.00		0.05	0.81		1.00	0.51		1.00
Lane Grp Cap(c), veh/h	59	1194	1216	89	1220	1273	152	0	130	92	0	75
V/C Ratio(X)	0.76	0.25	0.25	0.80	0.21	0.21	0.39	0.00	0.56	0.38	0.00	0.76
Avail Cap(c_a), veh/h	416	1194	1216	185	1220	1273	321	0	274	338	0	277
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	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	88.7	12.3	12.3	87.2	11.0	11.0	80.3	0.0	81.5	85.5	0.0	87.0
Incr Delay (d2), s/veh	24.3	0.5	0.5	14.7	0.4	0.4	2.3	0.0	5.3	2.6	0.0	14.3
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	2.5	4.9	5.1	3.7	4.0	4.2	2.8	0.0	3.6	1.7	0.0	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	113.0	12.8	12.8	101.9	11.4	11.4	82.6	0.0	86.8	88.1	0.0	101.4
LnGrp LOS	F	B	B	F	B	B	F		F	F		F
Approach Vol, veh/h	641				600		132				92	
Approach Delay, s/veh	19.8				22.1		84.9				96.3	
Approach LOS	B				C		F				F	
Timer - Assigned Phs	1	2	4		5	6	8					
Phs Duration (G+Y+Rc), s	12.9	132.8	22.9		15.6	130.2	16.3					
Change Period (Y+Rc), s	6.8	6.8	7.5		6.8	6.8	7.5					
Max Green Setting (Gmax), s	43.2	48.2	32.5		18.2	73.2	32.5					
Max Q Clear Time (g_c+I1), s	6.6	0.0	10.3		8.9	0.0	8.6					
Green Ext Time (p_c), s	0.2	0.0	0.6		0.1	0.0	0.3					
Intersection Summary												
HCM 7th Control Delay, s/veh	31.4											
HCM 7th LOS	C											
Notes												
User approved pedestrian interval to be less than phase max green.												

HCM 7th Signalized Intersection Summary

7: Maple Road

2254561; 716 Sports Fieldhouse

Build _SAT



Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (veh/h)	133	912	873	88	77	115
Future Volume (veh/h)	133	912	873	88	77	115
Initial Q (Qb), veh	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00			1.00	1.00	1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No	No		No	
Adj Sat Flow, veh/h/ln	1900	1900	1900	1900	1900	1900
Adj Flow Rate, veh/h	151	1036	992	100	88	131
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	0	0	0	0	0	0
Cap, veh/h	377	1920	1761	177	233	208
Arrive On Green	0.53	0.53	0.53	0.53	0.13	0.13
Sat Flow, veh/h	525	3705	3406	334	1810	1610
Grp Volume(v), veh/h	151	1036	541	551	88	131
Grp Sat Flow(s),veh/h/ln	525	1805	1805	1840	1810	1610
Q Serve(g_s), s	9.6	6.7	7.1	7.1	1.6	2.7
Cycle Q Clear(g_c), s	16.6	6.7	7.1	7.1	1.6	2.7
Prop In Lane	1.00			0.18	1.00	1.00
Lane Grp Cap(c), veh/h	377	1920	960	979	233	208
V/C Ratio(X)	0.40	0.54	0.56	0.56	0.38	0.63
Avail Cap(c_a), veh/h	603	3470	1735	1769	716	637
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	11.1	5.4	5.5	5.5	14.1	14.6
Incr Delay (d2), s/veh	0.7	0.2	0.5	0.5	1.0	3.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	1.3	0.9	1.0	0.6	1.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d), s/veh	11.8	5.7	6.1	6.0	15.1	17.8
LnGrp LOS	B	A	A	A	B	B
Approach Vol, veh/h		1187	1092		219	
Approach Delay, s/veh		6.5	6.1		16.7	
Approach LOS		A	A		B	
Timer - Assigned Phs				4	6	8
Phs Duration (G+Y+Rc), s				24.8	10.6	24.8
Change Period (Y+Rc), s				6.0	6.0	6.0
Max Green Setting (Gmax), s				34.0	14.0	34.0
Max Q Clear Time (g_c+I1), s				18.6	4.7	0.0
Green Ext Time (p_c), s				0.2	0.4	0.0
Intersection Summary						
HCM 7th Control Delay, s/veh			7.2			
HCM 7th LOS			A			

HCM 7th Signalized Intersection Summary

2254561; 716 Sports Fieldhouse

3: CR 263 NB Off Ramp/CR 263 NB On Ramp & Maple Road

Build - Mitigation_PM

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	72	842	0	0	1326	29	54	0	701	0	0	0
Future Volume (veh/h)	72	842	0	0	1326	29	54	0	701	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Lane Width Adj.	1.04	1.00	1.00	1.00	1.00	1.00	1.00	1.04	1.00			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		0.99	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			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1976	1900	0	0	1885	1796	1870	1976	1900			
Adj Flow Rate, veh/h	75	877	0	0	1381	30	56	0	720			
Peak Hour Factor	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96			
Percent Heavy Veh, %	0	0	0	0	1	7	2	0	0			
Cap, veh/h	109	1743	0	0	1730	38	785	0	738			
Arrive On Green	0.48	0.48	0.00	0.00	0.48	0.48	0.44	0.00	0.44			
Sat Flow, veh/h	403	3705	0	0	3677	78	1781	0	1675			
Grp Volume(v), veh/h	75	877	0	0	690	721	56	0	720			
Grp Sat Flow(s),veh/h/ln	403	1805	0	0	1791	1870	1781	0	1675			
Q Serve(g_s), s	25.3	26.6	0.0	0.0	51.8	52.0	2.9	0.0	67.5			
Cycle Q Clear(g_c), s	77.3	26.6	0.0	0.0	51.8	52.0	2.9	0.0	67.5			
Prop In Lane	1.00		0.00	0.00		0.04	1.00		1.00			
Lane Grp Cap(c), veh/h	109	1743	0	0	865	903	785	0	738			
V/C Ratio(X)	0.69	0.50	0.00	0.00	0.80	0.80	0.07	0.00	0.98			
Avail Cap(c_a), veh/h	109	1743	0	0	865	903	822	0	772			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	0.94	0.94	0.00	0.00	0.67	0.67	1.00	0.00	1.00			
Uniform Delay (d), s/veh	69.3	28.3	0.0	0.0	34.8	34.8	25.8	0.0	43.9			
Incr Delay (d2), s/veh	28.8	1.0	0.0	0.0	5.2	5.0	0.0	0.0	25.5			
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	3.9	11.5	0.0	0.0	23.1	24.1	1.3	0.0	33.0			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	98.1	29.2	0.0	0.0	40.0	39.9	25.8	0.0	69.4			
LnGrp LOS	F	C			D	D	C		E			
Approach Vol, veh/h	952			1411			776					
Approach Delay, s/veh	34.7			39.9			66.2					
Approach LOS	C			D			E					
Timer - Assigned Phs	2			4			6					
Phs Duration (G+Y+Rc), s	83.3			76.7			83.3					
Change Period (Y+Rc), s	6.0			* 6.2			6.0					
Max Green Setting (Gmax), s	74.0			* 74			74.0					
Max Q Clear Time (g_c+I1), s	79.3			69.5			0.0					
Green Ext Time (p_c), s	0.0			1.1			0.0					
Intersection Summary												
HCM 7th Control Delay, s/veh				44.8								
HCM 7th LOS				D								
Notes												
* HCM 7th computational engine requires equal clearance times for the phases crossing the barrier.												