

TECHNICAL MEMORANDUM

To: Mr. Danny Cameron
City of West University Place

From: Vivek Deshpande, P.E.
Kimley-Horn and Associates, Inc.
Firm Number F-928

Date: December 15, 2023

Subject: Wesleyan Street Speed Study
Technical Memorandum



12/15/2023

SUMMARY

Kimley-Horn has prepared this technical memorandum for the City of West University Place to review the existing and determine an appropriate speed limit for Wesleyan Street between Bissonnet Street and Bellaire Boulevard. Wesleyan Street is a north-south major thoroughfare in the City of West University Place. It is a two-lane undivided roadway with a posted speed limit of 25 miles-per-hour (mph). The surrounding area is primarily residential, with some commercial development near the intersection of Wesleyan Street and Bellaire Boulevard.

A previously completed city-wide speed study recommended a 25-mph speed limit along Wesleyan Street based on surrounding land use and residential conflict density. Based on the methodology adopted by the City to determine speed limits on all city streets, a re-evaluation of residential conflict density, observed speed trends, and crash history, a 30-mph speed limit may be appropriate on Wesleyan Street between Bissonnet Street and Bellaire Boulevard.

DATA COLLECTION

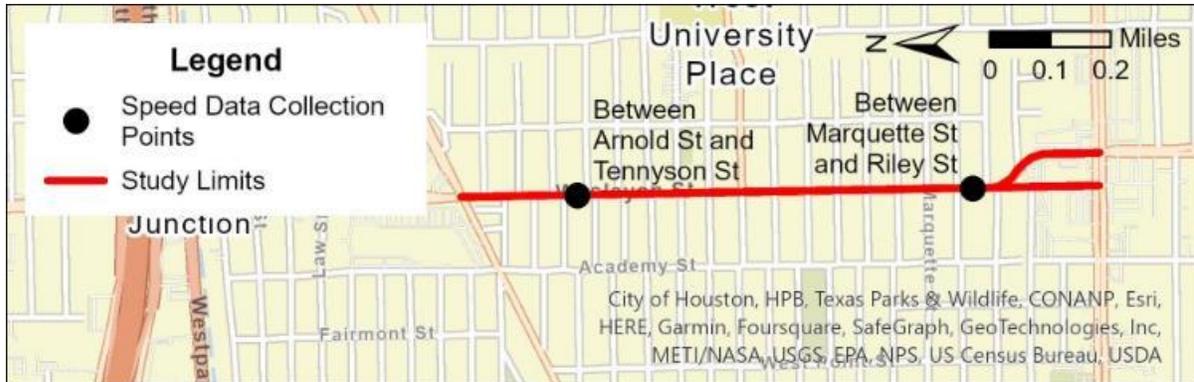
Speed Data

Speed data was collected from 12:00 AM Tuesday May 16, 2023 to 11:59 PM Thursday May 18, 2023 in 15-minute intervals at two locations along the study corridor. A summary of average daily 85th percentile reported speed is provided as **Table 1**. Raw speed data is provided as **Attachment A**.

Table 1 – 85th Percentile Weekday Speed on Wesleyan Street

Location	Direction	Average Daily 85 th Percentile Speed (mph)		
		Day 1	Day 2	Day 3
Between Marquette Street and Riley Street	NB	34	34	34
	SB	30	30	30
Between Arnold Street and Tennyson Street	NB	29	29	29
	SB	29	30	30

Figure 1 – Study Limits & Data Collection Locations



In the previously completed city-wide speed study, data on Wesleyan Street was collected between October and December 2020, when the posted speed limit was 30 mph. An excerpt from “Speed and Safety Study Technical Report”, including previously collected speed data, is provided as **Attachment B**. Reported 85th percentile average speeds along Wesleyan Street were as follows:

- 31.6 mph near Arnold Street
- 32.2 mph near Tennyson Street
- 33.1 mph near Byron Street
- 30.4 mph near Bellaire Boulevard

Comparing the new and old data, the reported 85th percentile speeds along Wesleyan Street are similar between 2020 and 2023.

Crash Data

Crash history was obtained from TxDOT’s Crash Records Information System (C.R.I.S.) along the study corridor between January 1, 2020 and June 14, 2023. Crashes occurring at boundary intersections were excluded. Raw crash data is provided as **Attachment C**. The previous city-wide speed study reviewed crash data for another five (5) years prior to 2020. A summary of crash severity is provided as **Table 2**.

Table 2 – Crash History (2020 – 2023)

Crash Severity	2020	2021	2022	2023*	TOTAL
K – Fatal Injury	1	0	0	0	1
A – Incapacitating Injury	0	0	0	0	0
B – Non-Incapacitating Injury	1	0	0	0	1
C – Possible Injury	0	0	1	0	1
O – Not Injured	5	17	10	7	39
U – Unknown Injury	1	2	0	0	3
TOTAL	8	19	11	7	45

Notes:

*2023 Crash data available as of 6/14/2023.

A total of 45 crashes were reported during the study period, three (3) of which were injury crashes. Crash and injury rates were calculated along the corridor based on the average daily traffic (ADT) of 12,800 vehicles per day and 1.1 mile segment length. A comparison of crash and injury rates to Federal Highway Administration’s (FHWA) Highway Safety Information System (HSIS) for similar (residential collector type) streets is provided as **Table 3**. The reported crash history on Wesleyan Street does not indicate a safety concern.

Table 3 – Crash and Injury Rate Comparison

Rate Type	Wesleyan Street	HSIS Average**	HSIS Critical**
Crash Rate*	256	297	368
Injury Rate*	17	86	126

*Rates are reported in crashes per 100 million vehicle miles traveled

**Source: FHWA USLIMITS2

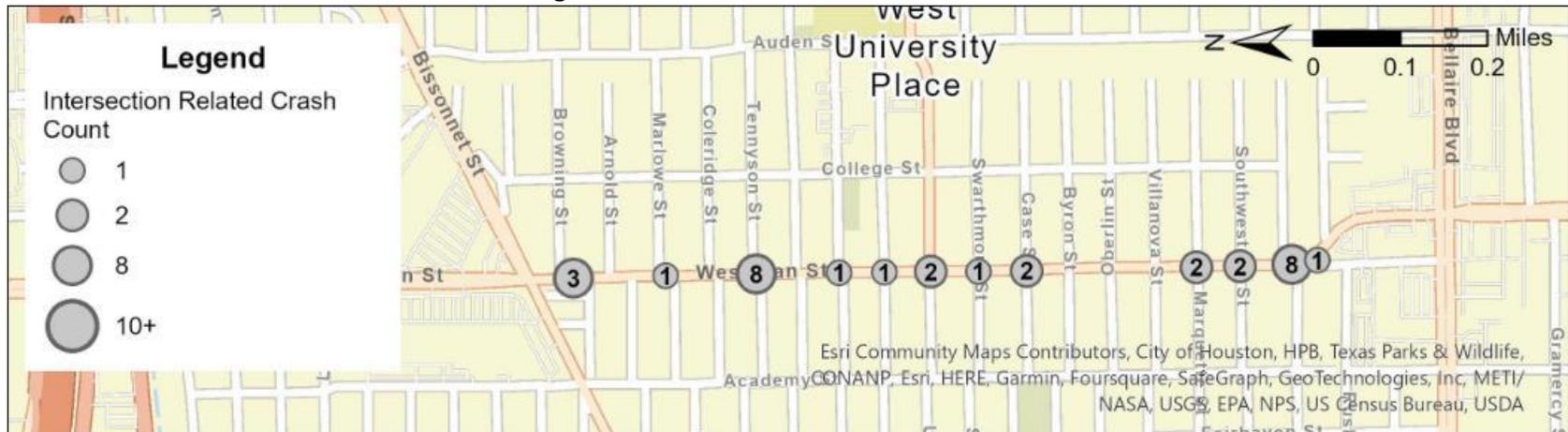
One head-on, fatal injury crash was reported near the intersection of Wesleyan Street at Browning Street in November 2020. No pedestrian or bicyclist related crashes were reported during the study period. Crash severity along the corridor is provided as **Figure 2**, and count of intersection and intersection related crash events at intersections within the study area is provided as **Figure 3**. As seen in **Figure 3**, crashes along the corridor primarily occur at the intersections of Wesleyan Street at Riley Street and Wesleyan Street at Tennyson Street.

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Figure 2 – Crash Severity



Figure 3 – Intersection Related Crash Count



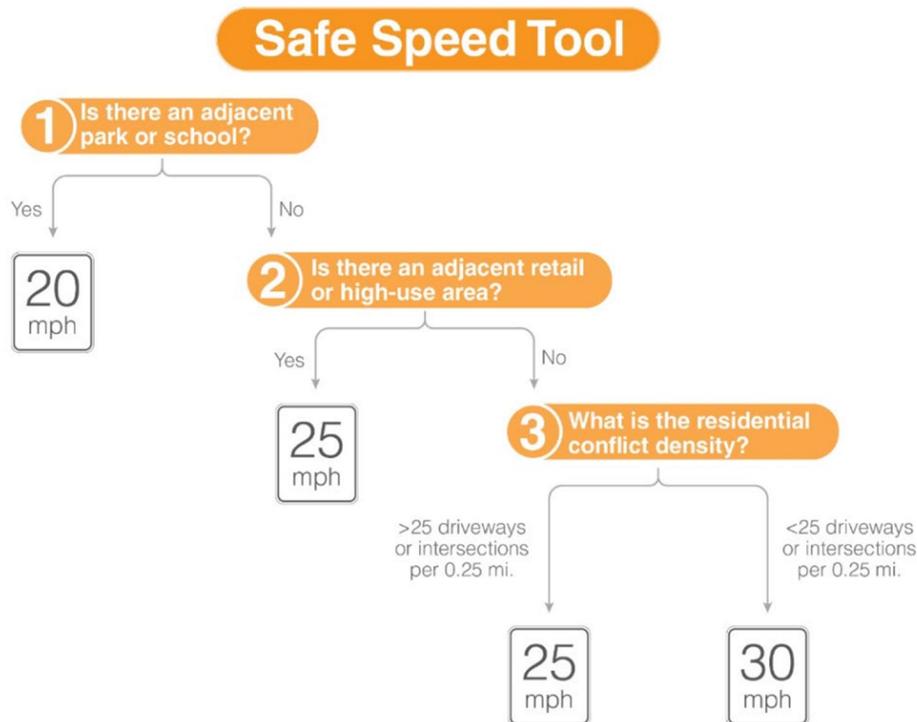
METHODOLOGY

Two different methodologies were used to review speed limit along the Wesleyan Street corridor. The first methodology involved National Association of City Transportation Officials (NACTO) guidelines adopted as part of the city-wide speed study project. The second methodology used the traditional 85th percentile speed data to establish speed limit. Below section summarizes the approach and results of each methodology.

Safe Speed Tool

A city-wide speed study was performed by Traffic Engineers, Inc. in November 2021. This study developed a Safe Speed Tool (**Figure 4**) for the City of West University Place to recommend speed limits based on adjacent land uses and conflict density. To maintain consistency with the process used to determine speed limits on all city streets, the parameters used in below tool were re-evaluated to determine appropriate speed limit for Wesleyan Street. An excerpt from “Speed and Safety Study Technical Report” is provided as **Attachment B**.

Figure 4 – Safe Speed Tool



Source: Figure 10 from “Speed and Safety Study Technical Report” by Traffic Engineers, Inc. (November 2021)

As the surrounding area is primarily residential, the previously completed study based the Wesleyan Street recommendation primarily on residential conflict density. Conflict density for the defined representative section between University Boulevard and Villanova Street was noted as 24 conflict points per quarter mile. Although the Safe Speed Tool points to a 30 mph recommendation, a 25 mph speed limit was recommended on Wesleyan Street due to proximity to the conflict density threshold and operational challenges for vehicles crossing or turning on to Wesleyan Street.

A re-evaluation of Wesleyan Street between University Boulevard and Villanova Street (provided as **Attachment D**) noted two curb cuts with no driveway connections that were previously included in the conflict density count. With these two curb cuts removed, the updated residential conflict density along Wesleyan Street is 22 conflicts per quarter mile.

Based on the surrounding land use and residential conflict density along Wesleyan Street, the Safe Speed Tool (used for citywide speed limit determination) points to a 30-mph speed limit on Wesleyan Street between Bissonnet Street and Bellaire Boulevard.

85th Percentile

TxDOT's *Procedures for Establishing Speed Zones* recommends speed limits based on the observed travel speed along a facility. This recognized industry standard for establishing speed limits acknowledges that most drivers select a reasonable speed based on the design and context of a road, and that setting a speed limit below what driver sees as reasonable leads to drivers disregarding the speed limit. The 85th percentile speed represents the speed the majority of drivers are traveling at or below. Based on the reported 85th percentile speed along Wesleyan Street (**Table 1**), a 30-mph speed limit is appropriate.

FINDINGS

Speed limit evaluation along Wesleyan Street was based on the previously accepted City-wide Safe Speed Tool methodology and standard industry practice using 85th Percentile methodology. Based on observed vehicle speeds along the corridor, surrounding land use, and residential conflict density, the speed limit on Wesleyan Street between Bissonnet Street and Bellaire Boulevard may be changed to be 30 mph.

The findings of this study were presented to the City of West University Place Council on October 23, 2023 and no decision was made to change existing speed limit.

Attachments:

- A. Speed Data
- B. Excerpt from "Speed and Safety Study Technical Report"
- C. Crash Data
- D. Driveway Count Exhibit

A. SPEED DATA

SPEED

Weslayan St Bet. Arnold St & Tennyson St

Day: Tuesday
Date: 5/16/2023

City: West University Place
Project #: TX23_450084_001n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	3	10	2	0	0	0	0	0	0	0	0	0	15
1:00	0	0	2	5	1	0	0	0	0	0	0	0	0	8
2:00	1	0	1	1	0	0	0	0	0	0	0	0	0	3
3:00	0	0	2	1	0	1	0	0	0	0	0	0	0	4
4:00	1	0	4	6	0	1	0	0	0	0	0	0	0	12
5:00	1	2	12	22	7	1	0	0	0	0	0	0	0	45
6:00	3	11	73	57	8	0	0	0	0	0	0	0	0	152
7:00	12	44	295	157	12	1	0	0	0	0	0	0	0	521
8:00	8	46	293	163	19	3	0	1	0	0	0	0	0	533
9:00	19	27	187	160	17	3	0	0	0	0	0	0	0	413
10:00	9	30	146	177	36	2	2	0	0	0	0	0	0	402
11:00	8	25	154	180	28	0	0	0	0	0	0	0	0	395
12:00 PM	2	16	165	171	40	2	1	0	0	0	0	0	0	397
13:00	8	22	154	155	21	8	0	0	0	0	0	0	0	368
14:00	14	22	133	146	18	4	1	1	0	0	0	0	0	339
15:00	13	40	227	134	11	4	1	0	0	0	0	0	0	430
16:00	16	51	219	109	7	4	2	0	0	0	0	0	0	408
17:00	17	55	214	124	22	2	2	1	0	0	0	0	0	437
18:00	6	28	137	168	29	2	3	0	0	0	0	0	0	373
19:00	7	23	89	131	10	1	0	1	1	0	0	0	0	263
20:00	6	16	88	62	10	1	0	0	0	0	0	0	0	183
21:00	5	16	38	17	1	1	0	1	0	0	0	0	0	79
22:00	1	2	16	14	6	0	0	0	0	0	0	0	0	39
23:00	1	1	7	11	0	0	0	0	0	0	0	0	0	20
Totals	158	480	2666	2173	303	41	12	5	1					5839
% of Totals	3%	8%	46%	37%	5%	1%	0%	0%	0%					100%

AM Volumes	62	188	1179	931	128	12	2	1	0	0	0	0	0	2503			
% AM	1%	3%	20%	16%	2%	0%	0%	0%						43%			
AM Peak Hour	9:00	8:00	7:00	11:00	10:00	8:00	10:00	8:00						8:00			
Volume	19	46	295	180	36	3	2	1						533			
PM Volumes	96	292	1487	1242	175	29	10	4	1	0	0	0	0	3336			
% PM	2%	5%	25%	21%	3%	0%	0%	0%	0%					57%			
PM Peak Hour	17:00	17:00	15:00	12:00	12:00	13:00	18:00	14:00	19:00					17:00			
Volume	17	55	227	171	40	8	3	1	1					437			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		1054			18%	765			13%	845			14%	3175			54%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	20	24	24	29	31	5839
Weslayan St	South Bound	21	26	25	29	33	7017

SPEED

Weslayan St Bet. Arnold St & Tennyson St

Day: Tuesday
Date: 5/16/2023

City: West University Place
Project #: TX23_450084_001s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	3	3	7	3	1	0	0	0	0	0	0	0	0	17
1:00	0	1	2	7	4	0	1	0	0	0	0	0	0	15
2:00	2	0	3	1	1	1	0	0	0	0	0	0	0	8
3:00	0	0	1	1	1	1	0	0	0	0	0	0	0	4
4:00	1	0	5	6	2	0	0	0	0	0	0	0	0	14
5:00	2	2	5	28	8	0	1	0	0	0	0	0	0	46
6:00	7	4	28	89	19	2	0	0	0	0	0	0	0	149
7:00	7	18	102	193	31	2	1	0	0	0	0	0	0	354
8:00	17	26	91	284	53	4	1	0	0	0	0	0	0	476
9:00	12	18	123	187	42	3	1	0	0	0	0	0	0	386
10:00	6	15	107	167	47	2	2	0	0	0	0	0	0	346
11:00	4	20	106	269	58	7	0	1	1	0	0	0	0	466
12:00 PM	10	25	91	283	53	9	0	1	0	0	0	0	0	472
13:00	12	32	157	215	53	5	0	1	0	0	0	0	0	475
14:00	9	28	156	274	43	3	1	0	1	0	0	0	0	515
15:00	17	59	215	252	34	1	0	1	0	0	0	0	0	579
16:00	31	67	281	250	28	2	0	2	0	0	0	0	0	661
17:00	88	89	146	289	35	2	1	1	0	0	0	0	0	651
18:00	15	33	224	259	34	4	0	0	0	0	0	0	0	569
19:00	4	8	108	168	27	4	0	1	0	0	0	0	0	320
20:00	5	15	94	99	15	1	1	0	0	0	0	0	0	230
21:00	3	17	52	52	12	1	0	0	0	0	0	0	0	137
22:00	4	1	23	49	9	1	0	0	0	0	0	0	0	87
23:00	1	1	16	15	6	1	0	0	0	0	0	0	0	40
Totals	260	482	2143	3440	616	56	10	8	2					7017
% of Totals	4%	7%	31%	49%	9%	1%	0%	0%	0%					100%

AM Volumes	61	107	580	1235	267	22	7	1	1	0	0	0	0	2281			
% AM	1%	2%	8%	18%	4%	0%	0%	0%	0%					33%			
AM Peak Hour	8:00	8:00	9:00	8:00	11:00	11:00	10:00	11:00	11:00					8:00			
Volume	17	26	123	284	58	7	2	1	1					476			
PM Volumes	199	375	1563	2205	349	34	3	7	1	0	0	0	0	4736			
% PM	3%	5%	22%	31%	5%	0%	0%	0%	0%					67%			
PM Peak Hour	17:00	17:00	16:00	17:00	12:00	12:00	14:00	16:00	14:00					16:00			
Volume	88	89	281	289	53	9	1	2	1					661			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		830			12%	947			13%	1312			19%	3928			56%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	20	24	24	29	31	5839
Weslayan St	South Bound	21	26	25	29	33	7017

SPEED

Weslayan St Bet. Arnold St & Tennyson St

Day: Wednesday
Date: 5/17/2023

City: West University Place
Project #: TX23_450084_001n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	1	1	4	7	3	0	0	0	0	0	0	0	0	16
1:00	0	0	3	2	0	0	0	0	0	0	0	0	0	5
2:00	1	0	0	0	0	0	0	0	0	0	0	0	0	1
3:00	0	0	0	1	1	0	0	0	0	0	0	0	0	2
4:00	0	0	6	4	0	0	0	0	0	0	0	0	0	10
5:00	0	2	16	17	7	0	0	0	0	0	0	0	0	42
6:00	3	4	37	69	11	0	1	0	0	0	0	0	0	125
7:00	5	58	203	196	18	3	0	0	0	0	0	0	0	483
8:00	13	36	292	183	14	1	0	1	0	0	0	0	0	540
9:00	11	32	185	171	20	1	0	0	2	0	0	0	0	422
10:00	7	21	155	183	22	4	1	0	0	0	0	0	0	393
11:00	8	29	143	178	24	0	2	0	0	0	0	0	0	384
12:00 PM	11	32	137	173	22	3	0	2	0	0	0	0	0	380
13:00	5	32	162	167	33	4	0	0	0	0	0	0	0	403
14:00	8	22	119	158	17	2	2	0	0	0	0	0	0	328
15:00	4	26	157	180	22	1	0	1	0	0	0	0	0	391
16:00	8	32	165	190	29	1	0	0	1	0	0	0	0	426
17:00	14	24	218	188	27	3	2	0	0	0	0	0	0	476
18:00	12	33	158	174	18	3	0	0	0	0	0	0	0	398
19:00	13	24	129	118	10	1	0	0	0	0	0	0	0	295
20:00	4	8	85	78	8	1	0	0	0	0	0	0	0	184
21:00	0	9	36	38	10	2	0	0	0	0	0	0	0	95
22:00	3	0	12	12	5	0	0	0	0	0	0	0	0	32
23:00	0	0	5	12	1	0	0	0	0	0	0	0	0	18
Totals	131	425	2427	2499	322	30	8	4	3					5849
% of Totals	2%	7%	41%	43%	6%	1%	0%	0%	0%					100%

AM Volumes	49	183	1044	1011	120	9	4	1	2	0	0	0	0	2423			
% AM	1%	3%	18%	17%	2%	0%	0%	0%	0%					41%			
AM Peak Hour	8:00	7:00	8:00	7:00	11:00	10:00	11:00	8:00	9:00					8:00			
Volume	13	58	292	196	24	4	2	1	2					540			
PM Volumes	82	242	1383	1488	202	21	4	3	1	0	0	0	0	3426			
% PM	1%	4%	24%	25%	3%	0%	0%	0%	0%					59%			
PM Peak Hour	17:00	18:00	17:00	16:00	13:00	13:00	14:00	12:00	16:00					17:00			
Volume	14	33	218	190	33	4	2	2	1					476			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2				PM 4-6		Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		1023			17%	783			13%	902			15%	3141			54%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	21	25	25	29	31	5849
Weslayan St	South Bound	21	26	26	30	34	6457

SPEED

Weslayan St Bet. Arnold St & Tennyson St

Day: Wednesday
Date: 5/17/2023

City: West University Place
Project #: TX23_450084_001s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	4	6	11	3	2	0	0	0	0	0	0	0	26
1:00	0	0	2	6	4	0	0	0	0	0	0	0	0	12
2:00	1	1	0	2	0	0	0	0	0	0	0	0	0	4
3:00	0	0	3	2	0	0	0	0	0	0	0	0	0	5
4:00	0	4	2	7	5	0	0	0	0	0	0	0	0	18
5:00	1	1	10	24	9	1	0	1	0	0	0	0	0	47
6:00	2	4	23	65	22	5	0	0	0	0	0	0	0	121
7:00	5	24	90	172	29	6	0	2	0	0	0	0	0	328
8:00	14	21	92	195	53	6	2	1	0	0	0	0	0	384
9:00	10	10	73	195	71	5	0	1	1	0	0	0	0	366
10:00	2	25	97	163	31	5	0	0	0	0	0	0	0	323
11:00	7	20	128	213	47	4	1	0	0	0	0	0	0	420
12:00 PM	10	33	146	213	42	2	1	0	0	0	0	0	0	447
13:00	3	21	90	170	47	6	0	0	0	0	0	0	0	337
14:00	10	35	155	198	55	9	1	0	1	0	0	0	0	464
15:00	10	29	139	270	78	6	0	1	0	0	0	0	0	533
16:00	10	26	183	302	62	4	3	0	1	0	0	0	0	591
17:00	36	53	195	279	47	7	1	0	0	0	0	0	0	618
18:00	4	30	165	238	54	4	2	0	0	0	0	0	0	497
19:00	21	31	137	143	21	3	0	0	1	0	0	0	0	357
20:00	3	11	100	130	24	1	1	0	0	0	0	0	0	270
21:00	2	6	50	58	20	1	1	1	0	0	0	0	0	139
22:00	2	4	26	51	20	3	0	0	0	0	0	0	0	106
23:00	1	1	10	26	6	0	0	0	0	0	0	0	0	44
Totals	154	394	1922	3133	750	80	13	7	4					6457
% of Totals	2%	6%	30%	49%	12%	1%	0%	0%	0%					100%

AM Volumes	42	114	526	1055	274	34	3	5	1	0	0	0	0	2054			
% AM	1%	2%	8%	16%	4%	1%	0%	0%	0%					32%			
AM Peak Hour	8:00	10:00	11:00	11:00	9:00	7:00	8:00	7:00	9:00					11:00			
Volume	14	25	128	213	71	6	2	2	1					420			
PM Volumes	112	280	1396	2078	476	46	10	2	3	0	0	0	0	4403			
% PM	2%	4%	22%	32%	7%	1%	0%	0%	0%					68%			
PM Peak Hour	17:00	17:00	17:00	16:00	15:00	14:00	16:00	15:00	14:00					17:00			
Volume	36	53	195	302	78	9	3	1	1					618			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		712	11%		784	12%		1209	19%		3752			58%			

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	21	25	25	29	31	5849
Weslayan St	South Bound	21	26	26	30	34	6457

SPEED

Weslayan St Bet. Arnold St & Tennyson St

Day: Thursday
Date: 5/18/2023

City: West University Place
Project #: TX23_450084_001n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	5	2	1	0	0	0	0	0	0	0	0	8
1:00	0	0	0	2	0	0	0	0	0	0	0	0	0	2
2:00	1	0	0	1	0	0	0	0	0	0	0	0	0	2
3:00	0	0	1	2	0	0	0	0	0	0	0	0	0	3
4:00	0	0	2	4	1	0	0	0	0	0	0	0	0	7
5:00	1	3	9	25	5	0	0	0	0	0	0	0	0	43
6:00	2	11	41	63	10	0	0	0	0	0	0	0	0	127
7:00	11	30	213	173	23	2	2	0	0	0	0	0	0	454
8:00	10	37	247	169	24	3	0	0	0	0	0	0	0	490
9:00	13	47	201	183	28	5	0	0	0	0	0	0	0	477
10:00	7	29	152	171	31	4	0	0	0	0	0	0	0	394
11:00	7	16	139	157	25	0	1	0	1	0	0	0	0	346
12:00 PM	7	23	160	186	42	1	1	0	0	0	0	0	0	420
13:00	9	31	150	156	25	3	1	0	0	0	0	0	0	375
14:00	7	52	142	181	21	1	1	0	1	0	0	0	0	406
15:00	16	41	193	165	12	4	1	0	0	0	0	0	0	432
16:00	12	45	194	158	16	0	2	1	0	0	0	0	0	428
17:00	11	40	192	156	11	3	2	1	0	0	0	0	0	416
18:00	9	20	171	134	21	0	1	0	0	0	0	0	0	356
19:00	6	27	131	137	16	1	1	2	1	0	0	0	0	322
20:00	8	19	81	70	10	0	1	0	0	0	0	0	0	189
21:00	1	5	46	38	4	0	0	0	0	0	0	0	0	94
22:00	2	3	14	21	2	0	0	0	0	0	0	0	0	42
23:00	2	1	3	8	3	0	0	0	0	0	0	0	0	17
Totals	142	480	2487	2362	331	27	14	4	3					5850
% of Totals	2%	8%	43%	40%	6%	0%	0%	0%	0%					100%

AM Volumes	52	173	1010	952	148	14	3	0	1	0	0	0	0	2353			
% AM	1%	3%	17%	16%	3%	0%	0%		0%					40%			
AM Peak Hour	9:00	9:00	8:00	9:00	10:00	9:00	7:00		11:00					8:00			
Volume	13	47	247	183	31	5	2		1					490			
PM Volumes	90	307	1477	1410	183	13	11	4	2	0	0	0	0	3497			
% PM	2%	5%	25%	24%	3%	0%	0%	0%	0%					60%			
PM Peak Hour	15:00	14:00	16:00	12:00	12:00	15:00	16:00	19:00	14:00					15:00			
Volume	16	52	194	186	42	4	2	2	1					432			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		944			16%	795			14%	844			14%	3267			56%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	21	25	25	29	31	5850
Weslayan St	South Bound	21	26	26	30	33	6612

SPEED

Weslayan St Bet. Arnold St & Tennyson St

Day: Thursday
Date: 5/18/2023

City: West University Place
Project #: TX23_450084_001s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	1	0	4	13	3	0	0	0	0	0	0	0	0	21
1:00	0	3	2	6	4	1	0	0	0	0	0	0	0	16
2:00	1	0	0	5	3	1	1	0	0	0	0	0	0	11
3:00	0	0	2	3	0	0	0	0	0	0	0	0	0	5
4:00	1	0	1	6	3	2	0	0	0	0	0	0	0	13
5:00	1	2	7	25	6	1	0	0	0	0	0	0	0	42
6:00	2	3	21	59	25	5	1	0	0	0	0	0	0	116
7:00	6	14	82	176	40	6	1	0	0	0	0	0	0	325
8:00	9	29	86	191	52	4	4	0	0	0	0	0	0	375
9:00	11	9	76	196	44	7	1	1	0	0	0	0	0	345
10:00	6	21	112	148	35	5	1	0	0	0	0	0	0	328
11:00	10	10	114	206	48	2	4	2	1	0	0	0	0	397
12:00 PM	8	16	129	212	49	5	3	0	0	0	0	0	0	422
13:00	10	27	163	236	42	1	2	0	0	0	0	0	0	481
14:00	7	21	173	231	40	6	1	0	0	0	0	0	0	479
15:00	12	50	189	251	43	5	2	0	0	0	0	0	0	552
16:00	9	45	219	266	41	8	3	1	0	0	0	0	0	592
17:00	29	46	221	294	45	7	5	0	0	0	0	0	0	647
18:00	6	21	181	229	48	0	2	2	0	0	0	0	0	489
19:00	9	19	112	196	34	1	1	0	0	0	0	0	0	372
20:00	7	13	94	128	19	2	2	0	0	0	0	0	0	265
21:00	3	17	50	75	22	1	1	1	0	0	0	0	0	170
22:00	5	9	22	54	11	1	0	0	0	0	0	0	0	102
23:00	3	1	13	21	8	1	0	0	0	0	0	0	0	47
Totals	156	376	2073	3227	665	72	35	7	1					6612
% of Totals	2%	6%	31%	49%	10%	1%	1%	0%	0%					100%

AM Volumes	48	91	507	1034	263	34	13	3	1	0	0	0	0	1994			
% AM	1%	1%	8%	16%	4%	1%	0%	0%	0%					30%			
AM Peak Hour	9:00	8:00	11:00	11:00	8:00	9:00	8:00	11:00	11:00					11:00			
Volume	11	29	114	206	52	7	4	2	1					397			
PM Volumes	108	285	1566	2193	402	38	22	4	0	0	0	0	0	4618			
% PM	2%	4%	24%	33%	6%	1%	0%	0%						70%			
PM Peak Hour	17:00	15:00	17:00	17:00	12:00	16:00	17:00	18:00						17:00			
Volume	29	50	221	294	49	8	5	2						647			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		700	11%		903	14%		1239	19%		3770			57%			

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	21	25	25	29	31	5850
Weslayan St	South Bound	21	26	26	30	33	6612

SPEED

Weslayan St Bet. Marquette St & Riley St

Day: Tuesday
Date: 5/16/2023

City: West University Place
Project #: TX23_450084_002n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	1	1	6	9	1	1	0	0	0	0	0	0	19
1:00	0	1	0	2	3	3	1	1	0	0	0	0	0	11
2:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
3:00	0	0	2	4	0	1	0	0	1	0	0	0	0	8
4:00	0	0	0	6	5	2	0	0	1	0	0	0	0	14
5:00	0	1	8	22	21	11	0	1	0	0	0	0	0	64
6:00	2	4	17	60	44	21	0	0	1	0	0	0	0	149
7:00	3	30	166	207	75	17	0	2	1	0	0	0	0	501
8:00	1	26	97	287	97	16	4	1	0	0	0	0	0	529
9:00	5	21	73	200	88	24	4	0	0	0	0	0	0	415
10:00	2	6	37	183	144	32	7	1	0	0	0	0	0	412
11:00	2	9	52	180	118	29	2	1	0	0	0	0	0	393
12:00 PM	6	10	42	187	119	37	5	0	0	0	0	0	0	406
13:00	0	13	45	192	108	30	2	0	1	0	0	0	0	391
14:00	5	13	56	181	106	18	1	0	1	0	0	0	0	381
15:00	40	36	76	122	144	10	4	0	0	0	0	0	0	432
16:00	21	42	80	131	194	15	0	1	0	0	0	0	0	484
17:00	32	35	88	143	158	16	1	1	0	0	0	0	0	474
18:00	3	12	50	178	121	18	3	3	0	0	0	0	0	388
19:00	2	10	33	120	83	24	1	0	1	0	0	0	0	274
20:00	1	7	21	62	63	23	6	0	0	0	0	0	0	183
21:00	1	1	7	45	41	14	0	2	0	0	0	0	0	111
22:00	1	6	6	21	12	12	2	1	0	0	0	0	0	61
23:00	0	0	2	9	8	9	2	0	0	0	0	0	0	30
Totals	127	284	959	2548	1761	384	46	15	7					6131
% of Totals	2%	5%	16%	42%	29%	6%	1%	0%	0%					100%

AM Volumes	15	99	453	1157	604	158	19	7	4	0	0	0	0	2516			
% AM	0%	2%	7%	19%	10%	3%	0%	0%	0%					41%			
AM Peak Hour	9:00	7:00	7:00	8:00	10:00	10:00	10:00	7:00	3:00					8:00			
Volume	5	30	166	287	144	32	7	2	1					529			
PM Volumes	112	185	506	1391	1157	226	27	8	3	0	0	0	0	3615			
% PM	2%	3%	8%	23%	19%	4%	0%	0%	0%					59%			
PM Peak Hour	15:00	16:00	17:00	13:00	16:00	12:00	20:00	18:00	13:00					16:00			
Volume	40	42	88	192	194	37	6	3	1					484			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		1030			17%	797			13%	958			16%	3346			55%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	23	28	28	34	37	6131
Weslayan St	South Bound	21	25	25	30	33	7540

SPEED

Weslayan St Bet. Marquette St & Riley St

Day: Tuesday
Date: 5/16/2023

City: West University Place
Project #: TX23_450084_002s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	5	17	4	2	1	0	0	0	0	0	0	29
1:00	0	0	3	3	10	2	1	0	0	0	0	0	0	19
2:00	0	1	1	4	3	1	0	0	0	0	0	0	0	10
3:00	0	0	0	3	1	1	1	0	0	0	0	0	0	6
4:00	0	0	7	8	3	0	1	0	0	0	0	0	0	19
5:00	1	3	14	21	17	3	0	0	0	0	0	0	0	59
6:00	0	1	34	46	33	8	0	1	0	0	0	0	0	123
7:00	7	19	135	147	42	3	2	0	1	0	0	0	0	356
8:00	9	38	180	148	38	7	4	1	0	0	0	0	0	425
9:00	18	17	134	182	38	8	2	2	1	0	0	0	0	402
10:00	7	9	161	190	50	9	2	0	1	0	0	0	0	429
11:00	8	28	148	203	52	8	2	3	2	0	0	0	0	454
12:00 PM	11	34	112	214	60	8	0	0	0	0	0	0	0	439
13:00	7	45	197	205	60	8	0	0	2	0	0	0	0	524
14:00	15	63	260	199	44	5	2	0	0	0	0	0	0	588
15:00	31	57	318	169	34	6	1	0	0	0	0	0	0	616
16:00	44	102	382	159	27	3	0	1	0	0	0	0	0	718
17:00	38	78	409	194	38	7	3	0	0	0	0	0	0	767
18:00	8	57	318	182	29	6	1	0	0	0	0	0	0	601
19:00	1	38	128	160	35	6	0	1	1	0	0	0	0	370
20:00	2	9	90	129	25	4	0	0	0	0	0	0	0	259
21:00	0	3	40	93	27	3	1	0	0	0	0	0	0	167
22:00	1	2	35	44	18	6	0	0	0	0	0	0	0	106
23:00	0	0	6	26	15	4	3	0	0	0	0	0	0	54
Totals	208	604	3117	2746	703	118	27	9	8					7540
% of Totals	3%	8%	41%	36%	9%	2%	0%	0%	0%					100%

AM Volumes	50	116	822	972	291	52	16	7	5	0	0	0	0	2331			
% AM	1%	2%	11%	13%	4%	1%	0%	0%	0%					31%			
AM Peak Hour	9:00	8:00	8:00	11:00	11:00	10:00	8:00	11:00	11:00					11:00			
Volume	18	38	180	203	52	9	4	3	2					454			
PM Volumes	158	488	2295	1774	412	66	11	2	3	0	0	0	0	5209			
% PM	2%	6%	30%	24%	5%	1%	0%	0%	0%					69%			
PM Peak Hour	16:00	16:00	17:00	12:00	12:00	12:00	17:00	16:00	13:00					17:00			
Volume	44	102	409	214	60	8	3	1	2					767			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		781			10%	963			13%	1485			20%	4311			57%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	23	28	28	34	37	6131
Weslayan St	South Bound	21	25	25	30	33	7540

SPEED

Weslayan St Bet. Marquette St & Riley St

Day: Wednesday

Date: 5/17/2023

City: West University Place

Project #: TX23_450084_002n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	1	2	3	6	5	1	0	0	0	0	0	0	18
1:00	0	0	1	1	2	0	0	0	0	0	0	0	0	4
2:00	0	0	1	0	1	0	0	0	0	0	0	0	0	2
3:00	0	0	0	0	2	0	0	0	0	0	0	0	0	2
4:00	0	0	1	1	6	1	0	0	0	0	0	0	0	9
5:00	0	1	4	25	20	6	2	1	1	0	0	0	0	60
6:00	2	1	15	61	37	18	5	1	0	0	0	0	0	140
7:00	8	24	165	207	71	11	1	0	1	0	0	0	0	488
8:00	4	15	68	274	120	20	1	1	1	0	0	0	0	504
9:00	3	12	62	201	105	37	3	1	0	0	0	0	0	424
10:00	2	5	39	204	105	24	4	3	0	0	0	0	0	386
11:00	3	17	71	174	101	13	4	1	0	0	0	0	0	384
12:00 PM	6	6	46	209	105	21	4	3	0	0	0	0	0	400
13:00	3	10	38	168	102	30	2	0	0	0	0	0	0	353
14:00	3	4	48	130	107	29	2	0	0	0	0	0	0	323
15:00	58	47	88	119	46	10	2	0	0	0	0	0	0	370
16:00	43	34	37	121	71	22	6	2	0	0	0	0	0	336
17:00	13	13	49	166	115	22	1	2	1	0	0	0	0	382
18:00	7	20	48	140	93	17	8	0	1	0	0	0	0	334
19:00	2	2	44	109	74	28	2	1	0	0	0	0	0	262
20:00	1	4	26	88	71	8	5	2	0	0	0	0	0	205
21:00	0	2	5	37	54	12	3	0	0	0	0	0	0	113
22:00	1	5	4	12	23	12	1	1	0	0	0	0	0	59
23:00	0	1	0	14	7	2	0	0	0	0	0	0	0	24
Totals	159	224	862	2464	1444	348	57	19	5					5582
% of Totals	3%	4%	15%	44%	26%	6%	1%	0%	0%					100%

AM Volumes	22	76	429	1151	576	135	21	8	3	0	0	0	0	2421
% AM	0%	1%	8%	21%	10%	2%	0%	0%	0%					43%
AM Peak Hour	7:00	7:00	7:00	8:00	8:00	9:00	6:00	10:00	5:00					8:00
Volume	8	24	165	274	120	37	5	3	1					504
PM Volumes	137	148	433	1313	868	213	36	11	2	0	0	0	0	3161
% PM	2%	3%	8%	24%	16%	4%	1%	0%	0%					57%
PM Peak Hour	15:00	15:00	15:00	12:00	17:00	13:00	18:00	12:00	17:00					12:00
Volume	58	47	88	209	115	30	8	3	1					400
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes		
		Volume	%		Volume	%		Volume	%		Volume	%		
		992	↔	18%	753	↔	13%	718	↔	13%	3119	↔	56%	

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	23	28	28	34	37	5582
Weslayan St	South Bound	21	25	25	30	33	7187

SPEED

Weslayan St Bet. Marquette St & Riley St

Day: Wednesday
Date: 5/17/2023

City: West University Place
Project #: TX23_450084_002s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	1	6	13	8	4	0	0	0	0	0	0	0	32
1:00	0	1	2	3	4	1	1	0	0	0	0	0	0	12
2:00	0	1	0	3	1	0	0	0	0	0	0	0	0	5
3:00	0	0	3	1	2	0	0	0	0	0	0	0	0	6
4:00	0	0	3	5	7	5	0	0	0	0	0	0	0	20
5:00	0	2	10	24	17	3	1	1	0	0	0	0	0	58
6:00	0	9	42	58	31	9	1	0	0	0	0	0	0	150
7:00	13	44	150	120	30	3	3	0	1	0	0	0	0	364
8:00	4	39	143	191	42	4	1	0	2	0	0	0	0	426
9:00	8	18	104	205	61	3	1	1	1	0	0	0	0	402
10:00	7	19	141	177	49	8	1	0	0	0	0	0	0	402
11:00	16	21	128	240	49	5	0	1	0	0	0	0	0	460
12:00 PM	7	23	193	232	39	10	3	0	1	0	0	0	0	508
13:00	7	45	200	204	56	6	0	1	2	0	0	0	0	521
14:00	9	51	200	216	51	6	1	0	0	0	0	0	0	534
15:00	18	47	228	192	28	4	1	1	0	0	0	0	0	519
16:00	4	61	284	212	34	5	2	1	0	0	0	0	0	603
17:00	17	76	211	231	34	8	0	0	2	0	0	0	0	579
18:00	39	96	235	112	25	0	0	0	0	0	0	0	0	507
19:00	7	41	153	162	43	3	1	0	0	0	0	0	0	410
20:00	0	8	112	144	32	5	0	1	0	0	0	0	0	302
21:00	1	10	52	100	24	5	0	0	0	0	0	0	0	192
22:00	0	2	24	70	21	3	1	0	0	0	0	0	0	121
23:00	0	2	12	25	12	3	0	0	0	0	0	0	0	54
Totals	157	617	2636	2940	700	103	18	7	9					7187
% of Totals	2%	9%	37%	41%	10%	1%	0%	0%	0%					100%

AM Volumes	48	155	732	1040	301	45	9	3	4	0	0	0	0	2337			
% AM	1%	2%	10%	14%	4%	1%	0%	0%	0%					33%			
AM Peak Hour	11:00	7:00	7:00	11:00	9:00	6:00	7:00	5:00	8:00					11:00			
Volume	16	44	150	240	61	9	3	1	2					460			
PM Volumes	109	462	1904	1900	399	58	9	4	5	0	0	0	0	4850			
% PM	2%	6%	26%	26%	6%	1%	0%	0%	0%					67%			
PM Peak Hour	18:00	18:00	16:00	12:00	13:00	12:00	12:00	13:00	13:00					16:00			
Volume	39	96	284	232	56	10	3	1	2					603			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		790			11%	1029			14%	1182			16%	4186			58%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	23	28	28	34	37	5582
Weslayan St	South Bound	21	25	25	30	33	7187

SPEED

Weslayan St Bet. Marquette St & Riley St

Day: Thursday
Date: 5/18/2023

City: West University Place
Project #: TX23_450084_002n

North Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	1	3	3	4	1	0	0	0	0	0	0	12
1:00	0	1	0	1	2	1	0	0	0	0	0	0	0	5
2:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
3:00	0	0	0	1	0	0	1	0	0	0	0	0	0	2
4:00	0	0	0	4	4	1	1	0	0	0	0	0	0	10
5:00	0	1	3	13	24	19	2	1	0	0	0	0	0	63
6:00	0	0	8	50	41	28	7	1	0	0	0	0	0	135
7:00	5	24	110	258	80	24	1	0	1	0	0	0	0	503
8:00	5	7	80	259	104	19	6	0	2	0	0	0	0	482
9:00	2	7	51	174	157	33	4	1	0	0	0	0	0	429
10:00	2	7	42	175	112	37	4	2	1	0	0	0	0	382
11:00	14	18	36	156	105	30	5	0	0	0	0	0	0	364
12:00 PM	3	6	42	176	128	29	8	1	0	0	0	0	0	393
13:00	0	5	40	137	115	27	3	0	1	0	0	0	0	328
14:00	0	8	41	162	133	28	3	0	0	0	0	0	0	375
15:00	33	46	79	159	62	12	2	0	1	0	0	0	0	394
16:00	33	25	81	166	62	13	2	0	0	0	0	0	0	382
17:00	12	21	64	139	98	13	2	2	0	0	0	0	0	351
18:00	4	10	71	147	95	27	2	2	1	0	0	0	0	359
19:00	1	6	23	143	96	17	5	0	0	0	0	0	0	291
20:00	2	2	27	69	59	21	2	2	0	0	0	0	0	184
21:00	0	2	7	54	34	19	4	1	0	0	0	0	0	121
22:00	0	2	2	18	21	8	1	1	0	0	0	0	0	53
23:00	0	2	1	10	8	6	0	0	0	0	0	0	0	27
Totals	116	200	809	2474	1544	416	66	14	7					5646
% of Totals	2%	4%	14%	44%	27%	7%	1%	0%	0%					100%

AM Volumes	28	65	331	1094	633	196	32	5	4	0	0	0	0	2388			
% AM	0%	1%	6%	19%	11%	3%	1%	0%	0%					42%			
AM Peak Hour	11:00	7:00	7:00	8:00	9:00	10:00	6:00	10:00	8:00					7:00			
Volume	14	24	110	259	157	37	7	2	2					503			
PM Volumes	88	135	478	1380	911	220	34	9	3	0	0	0	0	3258			
% PM	2%	2%	8%	24%	16%	4%	1%	0%	0%					58%			
PM Peak Hour	15:00	15:00	16:00	12:00	14:00	12:00	12:00	17:00	13:00					15:00			
Volume	33	46	81	176	133	29	8	2	1					394			
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6			Off Peak Volumes					
		Volume	↔		%	Volume	↔		%	Volume	↔		%	Volume	↔		%
		985			17%	721			13%	733			13%	3207			57%

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	23	28	28	34	38	5646
Weslayan St	South Bound	21	25	25	30	34	7109

SPEED

Weslayan St Bet. Marquette St & Riley St

Day: Thursday
Date: 5/18/2023

City: West University Place
Project #: TX23_450084_002s

South Bound

Time	< 15	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39	40 - 44	45 - 49	50 - 54	55 - 59	60 - 64	65 - 69	70 +	Total
0:00 AM	0	0	5	10	7	6	0	0	0	0	0	0	0	28
1:00	0	1	1	5	6	3	0	0	0	0	0	0	0	16
2:00	0	1	1	6	1	3	1	0	0	0	0	0	0	13
3:00	0	0	3	3	0	0	0	0	0	0	0	0	0	6
4:00	0	0	2	10	2	1	0	1	0	0	0	0	0	16
5:00	0	2	5	22	11	3	0	0	0	0	0	0	0	43
6:00	1	7	40	56	34	11	3	0	0	0	0	0	0	152
7:00	17	51	148	136	25	3	1	1	0	0	0	0	0	382
8:00	6	28	144	166	38	4	0	2	1	0	0	0	0	389
9:00	1	12	111	172	56	7	0	0	1	0	0	0	0	360
10:00	0	10	154	177	48	9	3	0	0	0	0	0	0	401
11:00	8	11	158	177	44	6	1	1	0	0	0	0	0	406
12:00 PM	12	39	237	155	36	6	0	0	3	0	0	0	0	488
13:00	1	24	216	225	59	5	1	0	0	0	0	0	0	531
14:00	8	17	226	215	41	10	2	0	0	0	0	0	0	519
15:00	32	65	209	192	23	5	3	0	0	0	0	0	0	529
16:00	31	67	224	228	31	4	1	1	0	0	0	0	0	587
17:00	16	82	285	177	33	6	0	1	1	0	0	0	0	601
18:00	0	33	253	167	37	5	1	0	0	0	0	0	0	496
19:00	1	16	183	176	40	8	0	0	0	0	0	0	0	424
20:00	1	8	121	150	33	7	0	0	0	0	0	0	0	320
21:00	0	5	65	112	23	8	2	0	0	0	0	0	0	215
22:00	0	3	35	67	21	5	0	0	0	0	0	0	0	131
23:00	0	1	12	26	15	2	0	0	0	0	0	0	0	56
Totals	135	483	2838	2830	664	127	19	7	6					7109
% of Totals	2%	7%	40%	40%	9%	2%	0%	0%	0%					100%

AM Volumes	33	123	772	940	272	56	9	5	2	0	0	0	0	2212
% AM	0%	2%	11%	13%	4%	1%	0%	0%	0%					31%
AM Peak Hour	7:00	7:00	11:00	10:00	9:00	6:00	6:00	8:00	8:00					11:00
Volume	17	51	158	177	56	11	3	2	1					406
PM Volumes	102	360	2066	1890	392	71	10	2	4	0	0	0	0	4897
% PM	1%	5%	29%	27%	6%	1%	0%	0%	0%					69%
PM Peak Hour	15:00	17:00	17:00	16:00	13:00	14:00	15:00	16:00	12:00					17:00
Volume	32	82	285	228	59	10	3	1	3					601
Directional Peak Periods All Speeds		AM 7-9				NOON 12-2			PM 4-6		Off Peak Volumes			
		Volume	↔		%	Volume	↔		%	Volume	↔		%	
		771	11%		1019	14%		1188	17%		4131		58%	

Street Name	Direction	Percentiles					
		15th	50th	Average	85th	95th	ADT
Weslayan St	North Bound	23	28	28	34	38	5646
Weslayan St	South Bound	21	25	25	30	34	7109

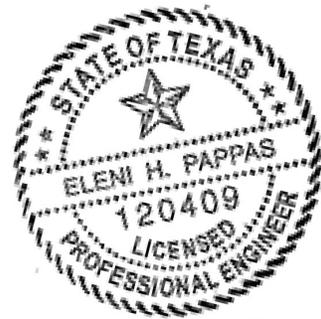
**B. EXCERPT FROM
“SPEED AND SAFETY STUDY TECHNICAL REPORT”
(TRAFFIC ENGINEERS, INC.), NOVEMBER 2021**



Speed and Safety Study Technical Report

Prepared for
City of West University Place

Prepared by
Traffic Engineers, Inc.



A handwritten signature in blue ink that reads "Eleni H. Pappas".

Traffic Engineers, Inc. | F-003158
November 5, 2021

November 2021

November
2021

SAFE SPEED TOOL FOR WEST UNIVERSITY PLACE

A Safe Speed Tool was developed for the evaluation of the City's major streets. This Safe Speed Tool is developed to assist in the evaluation of speeds along a roadway. The Tool is developed to be used in conjunction with engineering studies and engineering judgement. It is intended to be used as a guide and framework for the City during this period of City wide speed evaluation.

This process developed for the City of West University Place closely mirrors the speed setting steps outlined in the *NACTO City Limits* report. First, all data should be collected about corridor conditions, existing speeds, and crash history. Second, existing conditions should be analyzed by looking at conflict density and activity level. Conflict density measures how frequently potential conflicts can occur on the corridor and activity level looks at surrounding land use and how many people are expected to be along the corridor. While the *City Limits* report utilizes a risk matrix, the analysis was adjusted by this project team to more appropriately fit the context of the City. Third, the best option for speed management should be determined which would include new posted speed limits and design changes to manage speeds over time. Lastly, the corridors should continue to be evaluated and determine the effectiveness of the speed limit change. The City should collect post-implementation data, mirroring the count and speed data collect in the first step. These steps should be taken for all major streets in the City, including major collectors and minor arterials.

In lieu of utilizing the Risk Matrix provided by the *NACTO City Limit* report, a specific tool was developed for West University Place. The Safe Speed Tool, shown in **Figure 10**, analyzes the frequency of conflict points and surrounding activity, similar to the Risk Matrix, but takes into account the specific land uses and differences in conflicts coming from residential areas.

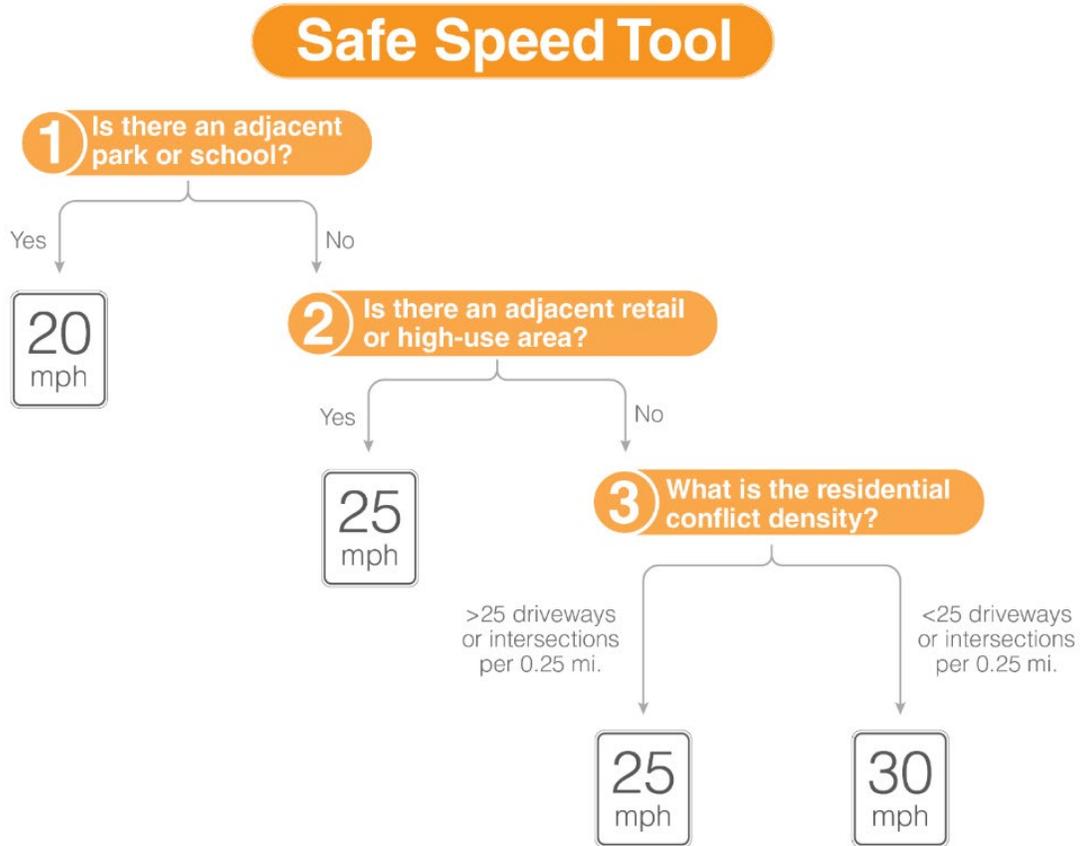


Figure 10 Safe Speed Tool

The tool was used only on major arterials, minor arterials, and major collectors within the City’s corridor hierarchy. These corridors are assumed to have the appropriate roadway geometry and vehicular volumes needed for these specific studies.

A corridor can be taken through the flowchart of the Safe Speed Tool which will give the appropriate speed limit. Question 1 addresses the existing 20 mph speed zones which currently exist in the City surrounding parks and school. If a park or school is not present in the area, the corridor is then reviewed for adjacent retail or high-use areas. High-use areas are defined as land uses churches, municipal/civic buildings, retail buildings, and restaurants. If these high activity centers are present, the corridor is given a posted speed limit of 25 mph. If not, Question 3 addresses the conflict density.

Conflict density for the City is specifically controlled by the number of conflict points in residential areas, or residential conflict density. Residential conflict density includes crosswalks, residential driveways, and intersections. A representative quarter mile section is selected for each corridor to calculate number of conflict points. If there are greater than 25 conflict points per quarter mile, the posted speed limit is recommended as 25 mph; otherwise, the speed limit is recommended as 30 mph. The 25 conflict point standard was created due to the typical, local streets with front-facing homes having consistent driveway densities higher than 25 per quarter mile. In locations less than this standard, the conflict points typically consisted of side driveways of homes.

Additionally, crashes were also reviewed on each corridor. The presence of a crash involving a person bicycling or walking with a serious injury or fatality would be cause to consider a lower speed limit for the corridor.

The Tool is intended to be used along with engineering evaluation and judgment to best match corridor speed with roadway context and needs. A focus on safe, comfortable, and accommodating streets for all is a key component of this tool.

RECOMMENDATIONS

RECOMMENDATIONS FOR CITY-WIDE SPEED LIMIT – 25 MPH

The City of West University Place contains a multitude of factors which shows the 30 mph State of Texas prima facie speed is too high. The City has a largely residential context. In addition, most speeds on local street are already below 30 mph, indicating City drivers are matching their vehicular speeds to the corridor context along their local streets. These streets where drivers are already traveling at speeds lower than the prima facie speeds, are areas you typically see a higher number of families walking waking and bicycling. The highest volumes of where families walk and bicycle are near West University Elementary School and City parks, areas that are already signed for vehicular speeds less than 30 mph. With the desire of the community for safer neighborhood street and speeds which are typically already below 30 mph, lowering the prima facie limit within the City both supports current mobility trends and enhances safety for all roadway users.

According to the *NACTO City Limit* report, the recommended default city-wide speed limit is 25 mph. This speed limit is based on minimizing risk to people of all ages walking and biking and supports safe movement for all road users. This speed limit would be applied to local streets with lower volumes and physically smaller widths where lower speeds are already present. Therefore, the default speed limit for the City of West University Place is recommended to be 25 mph. This speed limit will apply to all local streets and minor collectors, shown in **Figure 5**, in the City.

RECOMMENDATIONS FOR MAJOR STREETS

The City's two major arterials according to the City Thoroughfare Plan are Bissonnet Street and Buffalo Speedway. Bissonnet Street within the City is approximately 0.32 miles, sandwiched between sections owned by the City of Houston and the City of Bellaire, with a speed limit of 35 mph. With the section within the City being so short and posted speed limits unlikely to change on either end, an evaluation was not done for this corridor.

Buffalo Speedway is currently under construction using federal funding. Current guidelines stipulate that no change in the major arterial's speed limit can occur during this time. Therefore, further speed limit evaluation is recommended once construction is complete.

Minor arterials and major collectors identified in **Figure 3** were evaluated using the Safe Speed Tool. The following is a detailed evaluation and the final recommendation of each corridor's context completed for each street. These evaluations were conducted prior to the complete release of 2020 CRIS crash data, therefore only 2014 through 2019 crash data was included within these evaluations.

Weslayan Street

Recommendation: 25 mph

Weslayan Street is a two-way minor arterial that runs north-south through the City of West University Place. Near the southern border of the City for 800 feet, the corridor splits off into two two-way segments, Weslayan Street and Stella Link Road.

The two-lane, curb and gutter roadway has a pavement width of 30 feet throughout the entire section within the City limits. The existing speed limit along the corridor is posted at 30 mph.

From the crash data collected between 2014 and 2019, one crash has occurred involving a person walking who was seriously injured. No fatal crashes have occurred involving a person walking or bicycling.

The land use adjacent to Weslayan Street is largely residential except for a short section of commercial at the southern where the corridor splits into Weslayan Street and Stella Link Road. No parks or schools are located along Weslayan St.

The residential conflict density for a representative section of the corridor is 24 conflict points per quarter mile. The typical section used for the conflict density data collection ran from University to Villanova.

Due to the residential conflict density, the corridor would be recommended at 30 mph using the Safe Speed Tool. However, input from City officials and residents indicated a desire for additional review and considerations to be considered in addition to the Safe Speed Tool. The conflict density is close to the cutoff of 25 intersection or driveway within .25 miles, just short by one conflict per mile. In addition, safety concerns were primarily focused around the higher existing speeds on the two-lane roadway that present challenges for those trying to cross Weslayan and vehicles turning onto the corridor from side streets. Based on resident input, direction from City officials, and corridor operations, it is recommended Weslayan Street be signed for 25 mph.

University Boulevard

Recommendation: 25 mph

University Boulevard is a two-way minor arterial that runs east-west through the City of West University Place. University Boulevard is an important corridor located near the center of the City and the many destinations located adjacent.

The corridor has a varying typical section with a pavement width varying from 39 feet to the east of Edloe Street to 29 feet to the west of Auden Street. The majority of the street is undivided with one short, divided section located in the vicinity of the Elementary School. The roadway has a posted speed limit of 30 mph with a school speed zone section of 20 mph from just west of Auden Street to just east of Edloe Street.

The land use adjacent to University Boulevard is residential at the western and eastern sections of the corridor. The mid-section of the corridor represents a multitude of land uses including an elementary school, retail, a fire station, municipal buildings, West University United Methodist Church and park. In addition to the adjacent land-uses, the Metro bus route 84 has a 30-minute frequency route along University Boulevard. This route includes several stops along the eastern third of the roadway.

Appendix C

Speed Data

Daily Speed

mph	Combined Channels														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
12:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
6:00 PM	748	28	38	206	339	119	14	2	1	0	1	0	0	0	26.1	
7:00 PM	501	8	3	81	218	165	21	3	0	0	0	2	0	0	28.4	
8:00 PM	292	4	6	16	110	131	24	0	1	0	0	0	0	0	29.7	
9:00 PM	168	2	1	11	59	78	12	4	0	1	0	0	0	0	30.4	
10:00 PM	89	1	0	5	27	47	7	2	0	0	0	0	0	0	30.8	
11:00 PM	39	0	0	4	12	17	3	0	0	0	0	0	0	0	31.2	
Total	1837	43	48	323	765	557	81	14	2	1	1	2	0	0	26.8	
%		2.3	2.6	17.6	41.6	30.3	4.4	0.8	0.1	0.1	0.1	0.1	0.0	0.0		
Average (Mean)	26.8 mph	Minimum 10.1 mph			Maximum 88.7 mph			Pace Range 22.7 - 32.7 mph							1733 vehicles (71.6 %)	
Percentile Speeds		10% (mph) 19.4	15% 21.7	50% 27.4	85% 31.6	90% 32.7										
Speeds Exceeded		25 mph 68.8 % (1666)	35 mph 4.3 % (104)	45 mph 0.3 % (7)	55 mph 0.2 % (4)	65 mph 0.0 % (1)	75 mph 0.0 % (1)									

Daily Speed

mph	Combined Channels														Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200		
12:00 AM	27	0	0	2	7	14	3	1	0	0	0	0	0	0	30.8	
1:00 AM	17	0	0	1	5	7	4	0	0	0	0	0	0	0	31.9	
2:00 AM	9	0	0	2	3	2	2	0	0	0	0	0	0	0	29.5	
3:00 AM	9	2	0	0	3	2	2	0	0	0	0	0	0	0	27.8	
4:00 AM	11	0	2	0	3	5	0	1	0	0	0	0	0	0	29.3	
5:00 AM	84	0	0	4	14	36	26	2	2	0	0	0	0	0	33.3	
6:00 AM	209	2	2	30	68	87	17	1	2	0	0	0	0	0	29.6	
7:00 AM	680	25	33	125	293	166	35	1	1	0	0	1	0	0	27.2	
8:00 AM	777	29	20	171	357	173	23	2	0	2	0	0	0	0	27.0	
9:00 AM	669	19	23	103	275	214	27	4	1	1	2	0	0	0	28.1	
10:00 AM	708	19	19	163	307	180	17	2	1	0	0	0	0	0	27.1	
11:00 AM	763	27	40	197	302	172	23	0	2	0	0	0	0	0	26.5	
12:00 PM	818	22	59	189	360	159	24	1	2	0	2	0	0	0	26.5	
1:00 PM	805	36	66	144	319	215	22	3	0	0	0	0	0	0	26.6	
2:00 PM	916	42	38	167	440	210	16	1	1	1	0	0	0	0	26.7	
3:00 PM	838	64	131	204	314	110	14	0	0	0	1	0	0	0	24.3	
4:00 PM	811	118	167	246	209	68	2	0	0	1	0	0	0	0	22.1	
5:00 PM	847	76	109	239	312	101	8	0	1	0	0	0	0	1	24.1	
6:00 PM	681	58	73	178	239	122	11	0	0	0	0	0	0	0	24.8	
7:00 PM	510	7	28	85	219	151	16	3	0	1	0	0	0	0	27.7	
8:00 PM	333	1	3	35	123	141	26	2	1	0	0	0	0	1	29.9	
9:00 PM	173	1	1	19	60	75	13	3	1	0	0	0	0	0	30.0	
10:00 PM	102	2	1	4	31	50	10	2	2	0	0	0	0	0	30.7	
11:00 PM	51	1	0	2	17	26	4	0	0	0	0	1	0	0	31.1	
Total	10848	551	815	2310	4280	2486	345	29	17	6	5	2	0	2	26.4	
%		5.1	7.5	21.3	39.5	22.9	3.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0		
Average (Mean)	26.4 mph	Minimum 10.0 mph			Maximum 77.6 mph			Pace Range 22.2 - 32.2 mph							7710 vehicles (71.1 %)	
Percentile Speeds		10% (mph) 18.6	15% 20.9	50% 27.0	85% 31.6	90% 32.7										
Speeds Exceeded		25 mph 66.1 % (7172)	35 mph 3.7 % (406)	45 mph 0.3 % (32)	55 mph 0.1 % (9)	65 mph 0.0 % (2)	75 mph 0.0 % (1)									

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	39	0	0	3	12	19	4	1	0	0	0	0	0	0	31.0
1:00 AM	16	0	0	1	4	8	2	1	0	0	0	0	0	0	31.6
2:00 AM	11	0	1	0	2	5	2	0	1	0	0	0	0	0	33.1
3:00 AM	12	3	0	0	1	8	0	0	0	0	0	0	0	0	26.6
4:00 AM	18	0	1	0	5	8	4	0	0	0	0	0	0	0	31.4
5:00 AM	71	0	2	1	21	34	12	1	0	0	0	0	0	0	31.5
6:00 AM	201	0	1	15	83	75	23	3	1	0	0	0	0	0	30.1
7:00 AM	686	16	43	129	293	186	18	1	0	0	0	0	0	0	27.1
8:00 AM	733	27	30	166	327	163	15	1	0	2	0	0	0	2	26.9
9:00 AM	662	17	21	116	322	160	23	2	1	0	0	0	0	0	27.5
10:00 AM	613	12	17	88	274	187	31	3	0	0	1	0	0	0	28.2
11:00 AM	696	41	70	237	241	96	9	0	0	0	1	0	0	1	24.7
12:00 PM	725	25	61	168	285	158	22	2	1	0	0	1	0	2	26.5
1:00 PM	807	32	27	133	372	202	38	2	1	0	0	0	0	0	27.4
2:00 PM	870	21	38	177	401	207	23	0	0	2	1	0	0	0	27.1
3:00 PM	815	61	111	250	289	88	13	0	1	1	0	0	0	1	24.2
4:00 PM	826	72	114	271	273	88	6	1	1	0	0	0	0	0	23.8
5:00 PM	788	79	120	235	260	87	4	2	0	0	0	1	0	0	23.6
6:00 PM	677	26	43	192	300	107	8	0	0	0	0	0	0	1	25.7
7:00 PM	433	5	14	102	217	83	12	0	0	0	0	0	0	0	27.0
8:00 PM	273	3	6	27	117	96	22	2	0	0	0	0	0	0	29.3
9:00 PM	164	0	2	10	67	64	21	0	0	0	0	0	0	0	30.1
10:00 PM	90	0	0	5	32	38	14	1	0	0	0	0	0	0	30.9
11:00 PM	56	0	1	4	22	21	6	1	0	1	0	0	0	0	30.6
Total	10282	440	723	2330	4220	2188	332	24	7	6	3	2	0	7	26.4
%		4.3	7.0	22.7	41.0	21.3	3.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	
Average (Mean)	26.4 mph	Minimum 10.0 mph			Maximum 88.7 mph			Pace Range 22.2 - 32.2 mph						7501 vehicles (73.0 %)	
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		19.2	21.4	27.0	31.1	32.1									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		66.0 % (6789)	3.7 % (381)	0.2 % (25)	0.1 % (12)	0.1 % (7)	0.0 % (5)								

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	30	0	0	1	8	15	5	1	0	0	0	0	0	0	31.5
1:00 AM	13	2	0	0	3	2	4	2	0	0	0	0	0	0	31.3
2:00 AM	13	1	0	1	2	5	3	1	0	0	0	0	0	0	31.3
3:00 AM	12	2	0	1	1	4	4	0	0	0	0	0	0	0	29.7
4:00 AM	20	2	1	0	2	6	6	0	2	1	0	0	0	0	33.5
5:00 AM	90	0	0	2	13	48	17	8	1	1	0	0	0	0	33.5
6:00 AM	200	0	0	12	84	82	20	0	2	0	0	0	0	0	30.1
7:00 AM	712	33	46	123	316	165	27	1	1	0	0	0	0	0	26.9
8:00 AM	799	29	33	181	347	179	26	1	1	1	0	0	0	1	27.0
9:00 AM	708	1	19	85	350	218	32	2	0	0	0	0	0	1	28.7
10:00 AM	704	23	20	111	310	200	36	1	1	0	1	1	0	0	27.8
11:00 AM	794	19	41	155	394	166	13	3	0	2	0	1	0	0	26.9
12:00 PM	819	40	71	195	346	147	16	2	0	1	0	1	0	0	25.7
1:00 PM	818	26	34	177	365	193	19	3	0	0	0	0	1	0	26.9
2:00 PM	941	46	56	226	439	153	16	1	2	0	2	0	0	0	26.0
3:00 PM	788	84	111	217	251	110	10	3	1	0	0	1	0	0	24.0
4:00 PM	764	96	128	252	195	86	6	0	0	1	0	0	0	0	22.9
5:00 PM	727	131	128	207	209	47	5	0	0	0	0	0	0	0	21.9
6:00 PM	767	48	99	214	285	115	4	2	0	0	0	0	0	0	24.6
7:00 PM	508	8	8	104	228	140	17	1	1	0	1	0	0	0	27.9
8:00 PM	308	1	3	30	133	117	22	2	0	0	0	0	0	0	29.4
9:00 PM	189	1	0	11	76	77	20	3	0	1	0	0	0	0	30.5
10:00 PM	126	1	0	8	37	51	23	4	0	1	1	0	0	0	31.6
11:00 PM	77	0	0	4	26	39	8	0	0	0	0	0	0	0	30.7
Total	10927	594	798	2317	4420	2365	359	41	12	9	5	4	1	2	26.3
%		5.4	7.3	21.2	40.5	21.6	3.3	0.4	0.1	0.1	0.0	0.0	0.0	0.0	
Average (Mean)	26.3 mph	Minimum 10.0 mph			Maximum 84.7 mph			Pace Range 22.7 - 32.7 mph						7760 vehicles (71.0 %)	
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		18.3	20.7	27.0	31.6	32.7									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		66.1 % (7218)	4.0 % (433)	0.3 % (33)	0.1 % (12)	0.0 % (3)	0.0 % (2)								

Daily Speed

mph	Combined Channels														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
12:00 AM	25	0	0	1	5	12	7	0	0	0	0	0	0	0	32.5
1:00 AM	19	0	2	0	7	9	0	1	0	0	0	0	0	0	29.5
2:00 AM	12	0	0	1	3	5	1	1	0	1	0	0	0	0	33.3
3:00 AM	12	2	0	1	3	5	1	0	0	0	0	0	0	0	26.8
4:00 AM	13	0	0	1	4	1	6	0	0	1	0	0	0	0	34.1
5:00 AM	62	0	1	1	15	27	14	3	1	0	0	0	0	0	32.4
6:00 AM	201	1	2	19	86	70	19	4	0	0	0	0	0	0	29.7
7:00 AM	692	40	47	156	276	153	13	3	1	1	1	0	1	0	26.2
8:00 AM	784	33	52	168	352	163	14	2	0	0	0	0	0	0	26.3
9:00 AM	742	27	35	162	309	180	25	1	1	1	1	0	0	0	27.0
10:00 AM	751	11	22	135	320	242	20	1	0	0	0	0	0	0	27.8
11:00 AM	584	44	65	190	194	79	10	0	1	0	0	0	0	1	24.3
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	3897	158	226	835	1574	946	130	16	4	4	2	0	1	1	26.8
%		4.1	5.8	21.4	40.4	24.3	3.3	0.4	0.1	0.1	0.1	0.0	0.0	0.0	
Average (Mean)	26.8 mph	Minimum 10.0 mph			Maximum 84.7 mph				Pace Range 22.7 - 32.7 mph						2843 vehicles (73.0 %)
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		20.0	21.7	27.4	31.6	32.7									
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>								
		68.7 % (2678)	4.1 % (158)	0.3 % (12)	0.1 % (4)	0.1 % (2)	0.0 % (1)								

Daily Speed

mph	Combined Channels														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
12:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 PM	145	5	16	47	52	21	4	0	0	0	0	0	0	0	25.6
5:00 PM	173	3	14	70	65	18	3	0	0	0	0	0	0	0	25.1
6:00 PM	151	3	25	63	55	5	0	0	0	0	0	0	0	0	23.4
7:00 PM	74	2	12	24	29	7	0	0	0	0	0	0	0	0	24.2
8:00 PM	49	0	9	20	14	6	0	0	0	0	0	0	0	0	24.2
9:00 PM	36	0	1	17	12	6	0	0	0	0	0	0	0	0	25.6
10:00 PM	18	0	2	7	9	0	0	0	0	0	0	0	0	0	24.9
11:00 PM	9	1	4	3	1	0	0	0	0	0	0	0	0	0	20.4
Total	655	14	83	251	237	63	7	0	0	0	0	0	0	0	24.6
%		2.1	12.7	38.3	36.2	9.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	24.6 mph	Minimum 10.3 mph			Maximum 38.9 mph				Pace Range 18.7 - 28.7 mph						501 vehicles (75.9 %)
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		18.9	20.0	24.7	28.7	30.1									
Speeds Exceeded		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>								
		46.7 % (308)	1.1 % (7)	0.0 % (0)	0.0 % (0)	0.0 % (0)	0.0 % (0)								

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	1	0	0	1	0	0	0	0	0	0	0	0	0	0	24.8
1:00 AM	2	0	1	1	0	0	0	0	0	0	0	0	0	0	19.3
2:00 AM	1	0	0	0	1	0	0	0	0	0	0	0	0	0	27.3
3:00 AM	2	0	0	1	1	0	0	0	0	0	0	0	0	0	27.0
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
5:00 AM	11	1	1	3	6	0	0	0	0	0	0	0	0	0	23.9
6:00 AM	28	0	0	12	9	6	0	0	0	0	0	1	0	0	27.8
7:00 AM	189	0	13	53	90	29	4	0	0	0	0	0	0	0	26.4
8:00 AM	182	1	16	65	81	18	1	0	0	0	0	0	0	0	25.4
Total	416	2	31	136	188	53	5	0	0	0	0	1	0	0	25.9
%		0.5	7.5	32.7	45.2	12.7	1.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	
Average (Mean)	25.9 mph	Minimum 14.7 mph			Maximum 63.3 mph			Pace Range 20.6 - 30.6 mph						407 vehicles (79.6 %)	
Percentile Speeds (mph)	10% 20.6	15% 21.5	50% 25.8	85% 29.6	90% 30.7										
Speeds Exceeded	<u>25 mph</u> 59.1 % (302)	<u>35 mph</u> 1.2 % (6)	<u>45 mph</u> 0.2 % (1)	<u>55 mph</u> 0.2 % (1)	<u>65 mph</u> 0.0 % (0)	<u>75 mph</u> 0.0 % (0)									

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00 PM	693	16	42	103	327	190	14	0	1	0	0	0	0	0	27.3
7:00 PM	497	15	26	60	221	160	13	2	0	0	0	0	0	0	27.8
8:00 PM	276	1	1	16	123	104	28	3	0	0	0	0	0	0	30.0
9:00 PM	143	0	6	13	55	56	12	1	0	0	0	0	0	0	29.4
10:00 PM	87	0	3	3	30	35	14	1	1	0	0	0	0	0	30.9
11:00 PM	39	0	0	5	16	12	4	1	1	0	0	0	0	0	30.3
Total	1735	32	78	200	772	557	85	8	3	0	0	0	0	0	28.1
%		1.8	4.5	11.5	44.5	32.1	4.9	0.5	0.2	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	28.1 mph	Minimum 10.4 mph			Maximum 46.7 mph			Pace Range 24.1 - 34.1 mph						1491 vehicles (77.1 %)	
Percentile Speeds (mph)	10% 22.0	15% 23.8	50% 28.6	85% 32.3	90% 33.3										
Speeds Exceeded	<u>25 mph</u> 80.2 % (1552)	<u>35 mph</u> 5.1 % (99)	<u>45 mph</u> 0.2 % (3)	<u>55 mph</u> 0.0 % (0)	<u>65 mph</u> 0.0 % (0)	<u>75 mph</u> 0.0 % (0)									

Daily Speed

mph	Combined Channels											Avg.			
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60		60 - < 65	65 - < 70	70 - < 200
12:00 AM	20	0	0	4	4	8	3	0	1	0	0	0	0	0	30.8
1:00 AM	6	0	1	0	2	2	1	0	0	0	0	0	0	0	28.9
2:00 AM	7	0	1	0	0	2	4	0	0	0	0	0	0	0	33.7
3:00 AM	10	0	1	0	3	5	0	1	0	0	0	0	0	0	30.4
4:00 AM	17	0	0	1	8	6	2	0	0	0	0	0	0	0	30.5
5:00 AM	79	0	0	2	19	37	18	3	0	0	0	0	0	0	32.7
6:00 AM	204	0	3	13	86	85	16	1	0	0	0	0	0	0	29.9
7:00 AM	609	11	29	75	275	204	13	1	1	0	0	0	0	0	28.1
8:00 AM	759	16	26	117	372	205	23	0	0	0	0	0	0	0	27.7
9:00 AM	650	22	30	107	283	187	21	0	0	0	0	0	0	0	27.4
10:00 AM	682	10	24	101	340	189	17	0	0	0	1	0	0	0	27.8
11:00 AM	761	19	39	116	363	203	17	2	0	2	0	0	0	0	27.6
12:00 PM	816	76	87	138	319	171	24	0	1	0	0	0	0	0	25.6
1:00 PM	790	37	31	123	341	229	28	1	0	0	0	0	0	0	27.4
2:00 PM	862	16	38	125	446	216	18	3	0	0	0	0	0	0	27.6
3:00 PM	848	40	52	188	394	153	19	1	0	1	0	0	0	0	26.2
4:00 PM	848	58	97	169	308	191	24	1	0	0	0	0	0	0	25.8
5:00 PM	841	53	67	127	401	167	22	2	2	0	0	0	0	0	26.3
6:00 PM	754	14	41	143	336	200	17	2	0	0	0	0	0	1	27.4
7:00 PM	528	6	17	72	252	158	18	4	1	0	0	0	0	0	28.2
8:00 PM	326	1	6	26	147	124	21	1	0	0	0	0	0	0	29.4
9:00 PM	175	0	0	12	64	87	11	1	0	0	0	0	0	0	30.5
10:00 PM	95	1	1	5	31	41	12	1	3	0	0	0	0	0	31.1
11:00 PM	49	0	1	4	13	23	6	2	0	0	0	0	0	0	31.1
Total	10736	380	592	1668	4807	2893	355	27	9	3	1	0	0	1	27.4
%		3.5	5.5	15.5	44.8	26.9	3.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	27.4 mph	Minimum 10.1 mph			Maximum 84.2 mph			Pace Range 23.6 - 33.6 mph				8050 vehicles (75.0 %)			
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		20.6	22.8	28.1	32.0	32.9									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		75.4 % (8096)	3.7 % (396)	0.1 % (14)	0.0 % (2)	0.0 % (1)	0.0 % (1)								

Daily Speed

mph	Combined Channels											Avg.			
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60		60 - < 65	65 - < 70	70 - < 200
12:00 AM	22	0	0	1	3	17	1	0	0	0	0	0	0	0	31.7
1:00 AM	14	0	0	2	3	8	1	0	0	0	0	0	0	0	30.3
2:00 AM	7	0	0	1	2	3	0	1	0	0	0	0	0	0	30.5
3:00 AM	13	0	1	2	4	3	2	1	0	0	0	0	0	0	30.1
4:00 AM	13	0	0	0	5	6	1	0	1	0	0	0	0	0	32.1
5:00 AM	85	0	1	2	24	34	21	3	0	0	0	0	0	0	32.3
6:00 AM	199	2	4	10	70	82	24	6	1	0	0	0	0	0	30.6
7:00 AM	622	8	6	73	301	195	38	1	0	0	0	0	0	0	28.8
8:00 AM	781	23	39	145	333	212	28	1	0	0	0	0	0	0	27.4
9:00 AM	659	13	32	116	288	188	20	1	1	0	0	0	0	0	27.7
10:00 AM	661	16	19	93	316	188	27	2	0	0	0	0	0	0	28.2
11:00 AM	750	13	30	122	354	207	23	1	0	0	0	0	0	0	27.8
12:00 PM	767	27	19	140	377	178	24	2	0	0	0	0	0	0	27.3
1:00 PM	774	11	27	124	380	202	29	0	0	0	0	1	0	0	27.9
2:00 PM	837	11	29	113	410	241	32	1	0	0	0	0	0	0	28.1
3:00 PM	824	48	69	206	322	161	15	2	1	0	0	0	0	0	25.7
4:00 PM	862	48	101	153	368	173	18	1	0	0	0	0	0	0	25.8
5:00 PM	845	39	54	157	383	184	24	1	1	0	0	0	1	1	26.7
6:00 PM	761	20	32	120	359	207	20	2	0	0	0	1	0	0	27.6
7:00 PM	538	11	7	67	298	137	17	0	1	0	0	0	0	0	28.2
8:00 PM	320	2	6	26	148	115	22	0	0	1	0	0	0	0	29.4
9:00 PM	177	0	1	10	66	82	16	2	0	0	0	0	0	0	30.8
10:00 PM	86	0	0	6	21	45	12	2	0	0	0	0	0	0	31.3
11:00 PM	57	0	0	5	17	22	10	3	0	0	0	0	0	0	31.4
Total	10674	292	477	1694	4852	2890	425	33	6	1	0	2	1	1	27.7
%		2.7	4.5	15.9	45.5	27.1	4.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	27.7 mph	Minimum 10.0 mph			Maximum 83.0 mph			Pace Range 23.8 - 33.8 mph				8135 vehicles (76.2 %)			
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		21.5	23.4	28.2	32.2	33.2									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		76.9 % (8211)	4.4 % (469)	0.1 % (11)	0.0 % (4)	0.0 % (2)	0.0 % (1)								

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	33	0	0	1	5	21	5	1	0	0	0	0	0	0	32.1
1:00 AM	21	0	0	1	5	10	4	1	0	0	0	0	0	0	31.8
2:00 AM	18	1	0	0	8	5	3	1	0	0	0	0	0	0	30.9
3:00 AM	13	0	0	2	5	4	2	0	0	0	0	0	0	0	29.4
4:00 AM	17	0	1	1	5	7	2	1	0	0	0	0	0	0	30.4
5:00 AM	78	0	2	1	22	36	11	5	1	0	0	0	0	0	32.3
6:00 AM	205	1	5	11	80	82	25	1	0	0	0	0	0	0	30.4
7:00 AM	620	9	19	95	293	185	18	0	0	0	1	0	0	0	28.2
8:00 AM	759	8	19	129	372	198	31	2	0	0	0	0	0	0	28.0
9:00 AM	645	16	16	114	272	201	21	5	0	0	0	0	0	0	28.0
10:00 AM	683	7	14	66	327	241	26	0	2	0	0	0	0	0	28.8
11:00 AM	792	24	66	135	355	196	16	0	0	0	0	0	0	0	26.8
12:00 PM	822	19	30	172	388	191	20	2	0	0	0	0	0	0	27.2
1:00 PM	781	12	29	135	388	192	21	2	0	1	0	0	0	1	27.8
2:00 PM	832	24	30	128	365	252	31	1	0	1	0	0	0	0	27.9
3:00 PM	848	76	65	239	318	137	13	0	0	0	0	0	0	0	25.0
4:00 PM	853	40	69	173	360	177	29	5	0	0	0	0	0	0	26.5
5:00 PM	843	32	39	180	394	178	20	0	0	0	0	0	0	0	26.6
6:00 PM	738	16	39	147	321	187	26	2	0	0	0	0	0	0	27.4
7:00 PM	531	3	8	104	228	160	25	2	0	1	0	0	0	0	28.4
8:00 PM	369	1	2	43	160	136	22	4	0	0	0	1	0	0	29.6
9:00 PM	223	4	6	27	84	85	14	3	0	0	0	0	0	0	29.1
10:00 PM	117	0	2	6	41	48	19	1	0	0	0	0	0	0	31.0
11:00 PM	57	0	0	6	23	22	4	2	0	0	0	0	0	0	30.2
Total	10898	293	461	1916	4819	2951	408	41	3	3	1	1	0	1	27.6
%		2.7	4.2	17.6	44.2	27.1	3.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	27.6 mph	Minimum 10.0 mph			Maximum 89.4 mph			Pace Range 23.0 - 33.0 mph				8249 vehicles (75.7 %)			
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)	21.7	23.3	28.1	32.1	33.2										
Speeds Exceeded	25 mph	35 mph	45 mph	55 mph	65 mph	75 mph									
	75.5 % (8228)	4.2 % (458)	0.1 % (9)	0.0 % (3)	0.0 % (1)	0.0 % (1)									

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	24	1	0	2	7	9	4	1	0	0	0	0	0	0	30.8
1:00 AM	12	0	0	0	4	6	2	0	0	0	0	0	0	0	31.6
2:00 AM	13	0	0	1	3	6	2	1	0	0	0	0	0	0	31.1
3:00 AM	9	0	2	2	1	3	1	0	0	0	0	0	0	0	27.8
4:00 AM	26	0	1	4	4	13	4	0	0	0	0	0	0	0	30.2
5:00 AM	76	0	0	1	16	42	13	2	2	0	0	0	0	0	32.8
6:00 AM	184	3	1	12	74	76	16	2	0	0	0	0	0	0	29.9
7:00 AM	574	13	20	118	263	138	20	2	0	0	0	0	0	0	27.4
8:00 AM	747	15	43	169	319	186	13	1	1	0	0	0	0	0	27.0
Total	1665	32	67	309	691	479	75	9	3	0	0	0	0	0	27.9
%		1.9	4.0	18.6	41.5	28.8	4.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	27.9 mph	Minimum 10.4 mph			Maximum 46.8 mph			Pace Range 23.6 - 33.6 mph				1269 vehicles (75.3 %)			
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)	21.8	23.3	28.3	32.4	33.4										
Speeds Exceeded	25 mph	35 mph	45 mph	55 mph	65 mph	75 mph									
	75.3 % (1268)	5.2 % (87)	0.2 % (3)	0.0 % (0)	0.0 % (0)	0.0 % (0)									

Daily Speed

mph	Combined Channels														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	2	0	2	0	0	0	0	0	0	0	0	0	0	0	16.3
4:00 AM	5	1	0	3	1	0	0	0	0	0	0	0	0	0	20.6
5:00 AM	3	0	1	1	1	0	0	0	0	0	0	0	0	0	22.4
6:00 AM	11	0	2	4	3	2	0	0	0	0	0	0	0	0	25.0
7:00 AM	47	2	11	21	12	1	0	0	0	0	0	0	0	0	22.1
8:00 AM	50	0	16	19	13	2	0	0	0	0	0	0	0	0	22.8
9:00 AM	42	6	15	16	3	1	0	0	0	0	1	0	0	0	20.7
Total	160	9	47	64	33	6	0	0	0	0	1	0	0	0	21.8
%		5.6	29.4	40.0	20.6	3.8	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	
Average (Mean)	21.8 mph	Minimum 10.2 mph			Maximum 58.2 mph					Pace Range 16.9 - 26.9 mph				134 vehicles (70.9 %)	
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		15.4	16.3	22.1	26.4	27.5									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		24.9 % (47)	0.5 % (1)	0.5 % (1)	0.5 % (1)	0.0 % (0)	0.0 % (0)								

Daily Speed

mph	Combined Channels														Avg.
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
12:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11:00 AM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4:00 PM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5:00 PM	919	20	21	112	460	277	24	3	1	0	1	0	0	0	28.1
6:00 PM	688	16	23	89	318	218	21	0	1	0	2	0	0	0	28.2
7:00 PM	458	3	5	37	218	167	24	3	1	0	0	0	0	0	29.3
8:00 PM	272	1	2	19	107	121	16	5	0	0	0	1	0	0	30.0
9:00 PM	158	0	1	22	45	71	11	6	2	0	0	0	0	0	30.5
10:00 PM	70	0	0	3	21	34	11	0	1	0	0	0	0	0	31.5
11:00 PM	30	0	0	2	10	16	1	1	0	0	0	0	0	0	30.9
Total	2595	40	52	284	1179	904	108	18	6	0	3	1	0	0	28.7
%		1.5	2.0	10.9	45.4	34.8	4.2	0.7	0.2	0.0	0.1	0.0	0.0	0.0	
Average (Mean)	28.7 mph	Minimum 10.0 mph			Maximum 62.5 mph					Pace Range 24.5 - 34.5 mph				2186 vehicles (80.0 %)	
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		23.4	24.8	29.0	32.7	33.7									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		84.6 % (2312)	5.1 % (140)	0.4 % (11)	0.2 % (5)	0.0 % (0)	0.0 % (0)								

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	22	0	0	1	10	8	2	1	0	0	0	0	0	0	30.9
1:00 AM	13	0	0	0	6	4	2	1	0	0	0	0	0	0	31.8
2:00 AM	10	0	0	1	2	3	3	1	0	0	0	0	0	0	32.7
3:00 AM	4	0	0	0	0	2	2	0	0	0	0	0	0	0	35.3
4:00 AM	11	0	1	0	4	5	1	0	0	0	0	0	0	0	30.1
5:00 AM	62	0	2	2	15	28	11	3	0	1	0	0	0	0	32.2
6:00 AM	166	0	3	12	45	81	21	3	1	0	0	0	0	0	31.1
7:00 AM	579	5	17	49	261	211	32	3	1	0	0	0	0	0	29.1
8:00 AM	681	12	16	76	305	212	54	5	1	0	0	0	0	0	28.9
9:00 AM	616	6	13	53	246	247	47	3	1	0	0	0	0	0	29.7
10:00 AM	620	9	8	80	255	233	31	4	0	0	0	0	0	0	29.0
11:00 AM	697	13	13	48	250	318	46	9	0	0	0	0	0	0	29.9
12:00 PM	732	8	12	43	269	346	49	5	0	0	0	0	0	0	30.0
1:00 PM	775	7	17	100	313	293	42	2	0	0	1	0	0	0	29.0
2:00 PM	824	11	11	56	383	320	39	1	1	0	0	1	0	1	29.4
3:00 PM	864	19	18	125	424	250	27	1	0	0	0	0	0	0	28.0
4:00 PM	937	30	31	109	417	314	31	4	0	0	0	1	0	0	28.2
5:00 PM	931	23	17	105	475	283	25	2	1	0	0	0	0	0	28.2
6:00 PM	726	5	11	89	336	253	29	0	0	2	0	0	1	0	29.0
7:00 PM	483	2	5	61	210	174	29	1	0	1	0	0	0	0	29.1
8:00 PM	286	0	4	13	114	119	32	4	0	0	0	0	0	0	30.6
9:00 PM	163	0	2	17	68	59	13	4	0	0	0	0	0	0	29.8
10:00 PM	74	0	0	3	29	36	6	0	0	0	0	0	0	0	30.7
11:00 PM	48	0	0	4	18	19	6	1	0	0	0	0	0	0	30.5
Total	10324	150	201	1047	4455	3818	580	58	6	4	1	2	1	1	29.1
%		1.5	1.9	10.1	43.2	37.0	5.6	0.6	0.1	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	29.1 mph	Minimum 10.0 mph			Maximum 87.8 mph			Pace Range 24.6 - 34.6 mph						8322 vehicles (80.6%)	
Percentile Speeds		10% (mph) 24.1	15% 25.4	50% 29.4	85% 33.1	90% 34.1									
Speeds Exceeded	25 mph	35 mph	45 mph	55 mph	65 mph	75 mph									
	86.5 % (8926)	6.3 % (653)	0.1 % (15)	0.0 % (5)	0.0 % (2)	0.0 % (1)									

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	30	0	0	1	13	13	1	2	0	0	0	0	0	0	30.8
1:00 AM	16	0	0	0	3	11	1	1	0	0	0	0	0	0	32.1
2:00 AM	9	0	0	0	0	8	0	0	0	0	1	0	0	0	35.9
3:00 AM	11	0	0	3	1	6	1	0	0	0	0	0	0	0	29.9
4:00 AM	16	0	0	1	5	6	4	0	0	0	0	0	0	0	31.8
5:00 AM	62	0	1	3	14	33	8	3	0	0	0	0	0	0	31.7
6:00 AM	197	1	0	7	64	94	24	7	0	0	0	0	0	0	31.4
7:00 AM	604	5	9	64	275	215	33	3	0	0	0	0	0	0	29.2
8:00 AM	682	12	21	91	316	209	33	0	0	0	0	0	0	0	28.3
9:00 AM	595	4	14	75	251	214	36	1	0	0	0	0	0	0	28.9
10:00 AM	549	9	14	52	244	203	24	1	2	0	0	0	0	0	29.0
11:00 AM	667	3	5	81	303	235	36	4	0	0	0	0	0	0	29.1
12:00 PM	690	6	9	79	280	279	30	5	1	0	1	0	0	0	29.4
1:00 PM	715	8	10	71	306	266	51	3	0	0	0	0	0	0	29.5
2:00 PM	776	7	25	121	362	232	29	0	0	0	0	0	0	0	28.1
3:00 PM	827	22	32	106	392	246	29	0	0	0	0	0	0	0	27.8
4:00 PM	902	18	23	120	434	267	36	2	1	0	1	0	0	0	28.2
5:00 PM	820	11	16	91	442	237	20	1	0	0	1	0	0	1	28.3
6:00 PM	615	12	19	76	306	171	30	1	0	0	0	0	0	0	28.1
7:00 PM	407	2	8	59	223	106	9	0	0	0	0	0	0	0	27.9
8:00 PM	225	1	4	15	106	74	23	2	0	0	0	0	0	0	29.7
9:00 PM	142	0	2	13	62	52	11	2	0	0	0	0	0	0	29.9
10:00 PM	66	0	0	3	18	37	6	2	0	0	0	0	0	0	31.2
11:00 PM	50	0	0	3	13	29	4	0	0	0	1	0	0	0	31.0
Total	9673	121	212	1135	4433	3243	479	40	4	0	5	0	0	1	28.8
%		1.3	2.2	11.7	45.8	33.5	5.0	0.4	0.0	0.0	0.1	0.0	0.0	0.0	
Average (Mean)	28.8 mph	Minimum 10.0 mph			Maximum 83.1 mph			Pace Range 23.9 - 33.9 mph						7825 vehicles (80.9%)	
Percentile Speeds		10% (mph) 23.8	15% 25.0	50% 29.0	85% 32.7	90% 33.6									
Speeds Exceeded	25 mph	35 mph	45 mph	55 mph	65 mph	75 mph									
	84.8 % (8205)	5.5 % (529)	0.1 % (10)	0.1 % (6)	0.0 % (1)	0.0 % (1)									

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	24	0	0	1	5	14	2	2	0	0	0	0	0	0	32.1
1:00 AM	10	0	0	1	1	4	2	2	0	0	0	0	0	0	33.5
2:00 AM	10	0	0	0	2	6	2	0	0	0	0	0	0	0	32.6
3:00 AM	5	0	0	0	2	0	1	1	1	0	0	0	0	0	36.7
4:00 AM	18	0	0	0	2	10	4	0	1	0	1	0	0	0	34.8
5:00 AM	69	0	1	4	15	32	12	4	0	1	0	0	0	0	32.4
6:00 AM	196	0	1	8	64	100	20	3	0	0	0	0	0	0	31.2
7:00 AM	607	7	12	75	229	231	46	6	0	0	0	0	0	1	29.4
8:00 AM	715	21	19	93	299	227	49	5	2	0	0	0	0	0	28.7
9:00 AM	621	9	19	70	271	224	24	1	1	0	1	1	0	0	28.8
10:00 AM	641	7	9	66	261	256	40	2	0	0	0	0	0	0	29.3
11:00 AM	753	8	10	63	276	339	49	7	1	0	0	0	0	0	29.8
12:00 PM	786	11	14	85	374	253	43	6	0	0	0	0	0	0	28.9
1:00 PM	725	15	11	71	322	260	41	3	2	0	0	0	0	0	29.1
2:00 PM	877	11	25	111	411	284	32	2	1	0	0	0	0	0	28.4
3:00 PM	921	29	22	110	422	296	37	5	0	0	0	0	0	0	28.3
4:00 PM	936	30	20	105	443	302	30	5	0	0	0	0	0	1	28.3
5:00 PM	940	19	21	134	475	258	30	2	1	0	0	0	0	0	28.0
6:00 PM	757	12	17	82	360	253	28	4	0	1	0	0	0	0	28.6
7:00 PM	462	3	4	40	221	172	20	2	0	0	0	0	0	0	29.3
8:00 PM	276	2	2	28	129	97	16	2	0	0	0	0	0	0	29.3
9:00 PM	162	1	0	7	69	72	12	1	0	0	0	0	0	0	30.4
10:00 PM	93	0	1	10	32	34	12	3	1	0	0	0	0	0	31.0
11:00 PM	55	0	1	6	19	22	5	2	0	0	0	0	0	0	30.3
Total	10659	185	209	1170	4704	3746	557	70	11	2	2	1	0	2	28.9
%		1.7	2.0	11.0	44.1	35.1	5.2	0.7	0.1	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	28.9 mph	Minimum 10.0 mph			Maximum 75.7 mph			Pace Range 24.4 - 34.4 mph				8619 vehicles (80.9 %)			
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		24.0	25.1	29.2	33.0	33.9									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		85.3 % (9095)	6.1 % (645)	0.2 % (18)	0.0 % (5)	0.0 % (2)	0.0 % (1)								

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	20	0	0	0	6	10	1	1	2	0	0	0	0	0	33.6
1:00 AM	18	0	0	2	7	8	1	0	0	0	0	0	0	0	30.3
2:00 AM	10	0	0	1	2	3	3	0	0	0	1	0	0	0	34.7
3:00 AM	7	0	0	1	3	2	1	0	0	0	0	0	0	0	29.3
4:00 AM	13	0	0	2	5	1	4	1	0	0	0	0	0	0	32.3
5:00 AM	54	0	0	2	7	30	11	2	2	0	0	0	0	0	33.3
6:00 AM	184	0	3	14	56	91	17	3	0	0	0	0	0	0	30.7
7:00 AM	620	6	5	73	281	209	41	4	1	0	0	0	0	0	29.1
8:00 AM	705	9	20	103	269	255	43	5	0	0	0	1	0	0	28.8
9:00 AM	653	8	21	69	270	247	35	3	0	0	0	0	0	0	28.9
10:00 AM	673	7	11	55	226	310	58	5	1	0	0	0	0	0	30.0
11:00 AM	521	12	15	52	201	214	22	4	0	0	0	0	0	1	29.1
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	3478	42	75	374	1333	1380	237	28	6	0	1	1	0	1	29.4
%		1.2	2.2	10.8	38.3	39.7	6.8	0.8	0.2	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	29.4 mph	Minimum 10.0 mph			Maximum 73.9 mph			Pace Range 24.1 - 34.1 mph				2735 vehicles (78.6 %)			
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		24.0	25.2	29.7	33.5	34.5									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		85.9 % (2987)	7.9 % (274)	0.3 % (9)	0.1 % (3)	0.0 % (1)	0.0 % (0)								

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	29	1	2	3	9	10	3	1	0	0	0	0	0	0	28.9
1:00 AM	11	0	0	2	4	4	1	0	0	0	0	0	0	0	29.3
2:00 AM	7	0	0	2	1	3	1	0	0	0	0	0	0	0	30.3
3:00 AM	5	0	0	2	3	0	0	0	0	0	0	0	0	0	25.8
4:00 AM	12	0	2	2	3	4	1	0	0	0	0	0	0	0	26.6
5:00 AM	44	0	0	8	15	18	3	0	0	0	0	0	0	0	29.4
6:00 AM	62	0	0	8	29	19	5	1	0	0	0	0	0	0	29.4
7:00 AM	205	3	12	41	96	45	8	0	0	0	0	0	0	0	27.1
8:00 AM	269	7	39	70	111	35	7	0	0	0	0	0	0	0	25.4
9:00 AM	224	9	32	69	75	35	4	0	0	0	0	0	0	0	24.7
10:00 AM	236	21	53	66	71	22	3	0	0	0	0	0	0	0	23.1
11:00 AM	272	19	37	106	78	30	2	0	0	0	0	0	0	0	23.7
12:00 PM	315	15	57	117	96	26	2	0	0	0	1	0	0	1	23.9
1:00 PM	285	11	70	103	77	20	4	0	0	0	0	0	0	0	23.1
2:00 PM	305	20	79	110	71	22	3	0	0	0	0	0	0	0	22.5
3:00 PM	344	9	82	116	103	32	2	0	0	0	0	0	0	0	23.4
4:00 PM	366	13	53	133	107	56	3	1	0	0	0	0	0	0	24.5
5:00 PM	399	24	63	130	138	38	6	0	0	0	0	0	0	0	24.1
6:00 PM	362	10	64	128	120	39	1	0	0	0	0	0	0	0	24.2
7:00 PM	207	7	33	75	65	24	3	0	0	0	0	0	0	0	24.3
8:00 PM	172	4	11	41	86	25	3	2	0	0	0	0	0	0	26.4
9:00 PM	86	0	12	18	36	18	2	0	0	0	0	0	0	0	26.3
10:00 PM	45	0	10	9	14	10	1	0	1	0	0	0	0	0	26.5
11:00 PM	25	2	0	1	12	8	1	1	0	0	0	0	0	0	28.8
Total	4287	175	711	1360	1420	543	69	6	1	0	1	0	0	1	24.5
%		4.1	16.6	31.7	33.1	12.7	1.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	24.5 mph	Minimum 10.1 mph			Maximum 86.2 mph			Pace Range 19.9 - 29.9 mph			2793 vehicles (65.2 %)				
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		17.4	18.8	24.6	29.9	31.0									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		47.6 % (2041)	1.8 % (78)	0.1 % (3)	0.0 % (2)	0.0 % (1)	0.0 % (1)								

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	13	0	0	3	3	5	2	0	0	0	0	0	0	0	29.4
1:00 AM	10	0	1	2	2	2	0	1	0	0	0	0	0	0	30.4
2:00 AM	2	0	0	0	0	1	1	0	0	0	0	0	0	0	33.4
3:00 AM	4	0	0	2	2	0	0	0	0	0	0	0	0	0	24.0
4:00 AM	13	0	3	1	2	6	1	0	0	0	0	0	0	0	27.3
5:00 AM	39	0	0	6	16	15	1	0	1	0	0	0	0	0	29.2
6:00 AM	87	0	6	12	34	30	4	1	0	0	0	0	0	0	28.4
7:00 AM	204	3	15	51	77	53	5	0	0	0	0	0	0	0	27.0
8:00 AM	261	7	23	60	96	63	9	2	1	0	0	0	0	0	26.8
9:00 AM	269	3	31	75	83	70	5	0	2	0	0	0	0	0	26.4
10:00 AM	238	5	41	71	85	29	7	0	0	0	0	0	0	0	24.8
11:00 AM	305	21	65	106	74	33	6	0	0	0	0	0	0	0	23.4
12:00 PM	319	13	53	119	93	35	6	0	0	0	0	0	0	0	24.0
1:00 PM	328	18	64	93	108	41	4	0	0	0	0	0	0	0	24.0
2:00 PM	325	13	56	111	99	40	4	1	1	0	0	0	0	0	24.3
3:00 PM	369	36	59	117	104	48	4	1	0	0	0	0	0	0	23.5
4:00 PM	389	29	72	147	103	36	2	0	0	0	0	0	0	0	23.1
5:00 PM	386	26	63	131	108	51	7	0	0	0	0	0	0	0	23.9
6:00 PM	297	24	63	102	73	31	3	0	0	1	0	0	0	0	23.3
7:00 PM	255	15	44	93	75	27	1	0	0	0	0	0	0	0	23.6
8:00 PM	156	1	15	46	65	22	6	1	0	0	0	0	0	0	26.1
9:00 PM	102	2	11	26	49	13	1	0	0	0	0	0	0	0	25.7
10:00 PM	8	0	1	3	1	3	0	0	0	0	0	0	0	0	25.9
11:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	4379	216	686	1377	1352	654	81	6	6	1	0	0	0	0	24.6
%		4.9	15.7	31.4	30.9	14.9	1.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	24.6 mph	Minimum 10.0 mph			Maximum 51.7 mph			Pace Range 20.3 - 30.3 mph			2760 vehicles (63.0 %)				
Percentile Speeds		10%	15%	50%	85%	90%									
(mph)		17.1	18.7	24.7	30.4	31.6									
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph								
		48.0 % (2100)	2.1 % (94)	0.2 % (7)	0.0 % (0)	0.0 % (0)	0.0 % (0)								

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
11:00 PM	0	0	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	0	0	-
%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Mean)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Percentile Speeds (mph)	-	10%	15%	50%	85%	90%	-	-	-	-	-	-	-	-	-
Speeds Exceeded	-	25 mph	35 mph	45 mph	55 mph	65 mph	75 mph	-	-	-	-	-	-	-	-

Daily Speed

mph	Combined Channels													Avg.	
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
10:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
6:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
7:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
8:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
9:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
10:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
11:00 PM	0	0	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	0	0	-
%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Average (Mean)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Percentile Speeds (mph)	-	10%	15%	50%	85%	90%	-	-	-	-	-	-	-	-	-
Speeds Exceeded	-	25 mph	35 mph	45 mph	55 mph	65 mph	75 mph	-	-	-	-	-	-	-	-

Daily Speed

mph	Combined Channels													Avg.		
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70		70 - < 200	
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
2:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
5:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
8:00 AM	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11.2
9:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
Total	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	11.2
%		100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Average (Mean)	11.2 mph															
Minimum	11.2 mph															
Maximum	11.2 mph															
Pace Range	-															
Percentile Speeds (mph)		10%	15%	50%	85%	90%										
		-	-	-	-	-										
Speeds Exceeded		25 mph	35 mph	45 mph	55 mph	65 mph	75 mph									
		-	-	-	-	-	-									

C. CRASH DATA

Crash ID	Intersection	Crash Date	Crash Severity	First Harmful Event	Manner of Collision	Contributing Factors.1	Contributing Factors.2	Contributing Factors.3	Contributing Factors.4	Contributing Factors.5	Intersection Related	Object Struck	Other Factor	Surface Condition	Weather Condition	Light Condition
17593742	Weslayan at Riley	2/28/2020	B - SUSPECTED MINOR INJURY	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	DISREGARD STOP SIGN OR LIGHT	DRIVER INATTENTION				INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
17820844	Weslayan at Tennyson	8/13/2020	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	OPPOSITE DIRECTION - ONE STRAIGHT-ONE LEFT TURN	DRIVER INATTENTION	FAILED TO YIELD RIGHT OF WAY - TURNING LEFT				INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
17830209	Weslayan at Tennyson	8/19/2020	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - BOTH GOING STRAIGHT-REAR END	DRIVER INATTENTION					INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
17839260	Weslayan at Riley	8/21/2020	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	CHANGED LANE WHEN UNSAFE	DRIVER INATTENTION	OTHER (EXPLAIN IN NARRATIVE)			INTERSECTION RELATED	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
17919142	Weslayan at Riley	10/11/2020	N - NOT INJURED	FIXED OBJECT	ONE MOTOR VEHICLE - GOING STRAIGHT	UNDER INFLUENCE - ALCOHOL					NON INTERSECTION	HIT HIGHWAY SIGN	NOT APPLICABLE	1 - DRY	1 - CLEAR	3 - DARK, LIGHTED
17954469	Weslayan at Browning	11/1/2020	K - FATAL INJURY	MOTOR VEHICLE IN TRANSPORT	OPPOSITE DIRECTION - BOTH GOING STRAIGHT	DRIVER INATTENTION	FAILED TO CONTROL SPEED	FAILED TO PASS TO RIGHT SAFELY			NON INTERSECTION	NOT APPLICABLE	VEHICLE PASSING OR ATTEMPTING TO PASS ON LEFT	1 - DRY	1 - CLEAR	1 - DAYLIGHT
17943894	Weslayan at Riley	11/3/2020	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	DRIVER INATTENTION	FAILED TO YIELD RIGHT OF WAY - STOP SIGN				INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18020864	Weslayan at Browning	12/8/2020	99 - UNKNOWN	PARKED CAR	ONE MOTOR VEHICLE - GOING STRAIGHT	DRIVER INATTENTION					NON INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	2 - WET	3 - RAIN	1 - DAYLIGHT
18790348	Weslayan at Amherst	3/10/2022	C - POSSIBLE INJURY	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	DRIVER INATTENTION	FAILED TO CONTROL SPEED	FOLLOWED TOO CLOSELY	CELL/MOBILE DEVICE USE - TALKING		NON INTERSECTION	NOT APPLICABLE	SLOWING/STOPPING-FOR TRAFFIC	1 - DRY	1 - CLEAR	2 - DARK, NOT LIGHTED
19567792	Weslayan at Amherst	5/26/2023	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	FAILED TO CONTROL SPEED	FOLLOWED TOO CLOSELY				INTERSECTION	NOT APPLICABLE	SLOWING/STOPPING-FOR TRAFFIC	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18142919	Weslayan at Tennyson	3/2/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	FAILED TO CONTROL SPEED					INTERSECTION RELATED	NOT APPLICABLE	SLOWING/STOPPING - FOR OFFICER, FLAGMAN, OR TRAFFIC CONTROL	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18143705	Weslayan at Tennyson	3/2/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	OPPOSITE DIRECTION - ONE STRAIGHT-ONE LEFT TURN	DRIVER INATTENTION					INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	1 - DRY	1 - CLEAR	3 - DARK, LIGHTED
18162913	Weslayan at Riley	3/22/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - ONE STRAIGHT-ONE LEFT TURN	DRIVER INATTENTION	FAILED TO YIELD RIGHT OF WAY - TURNING LEFT				INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	2 - CLOUDY	1 - DAYLIGHT
18200198	Weslayan at Riley	4/8/2021	N - NOT INJURED	FIXED OBJECT	ONE MOTOR VEHICLE - GOING STRAIGHT	UNDER INFLUENCE - ALCOHOL					NON INTERSECTION	HIT TREE, SHRUB, LANDSCAPING	SWERVED OR VEERED-REASON NOT SPECIFIED	1 - DRY	1 - CLEAR	4 - DARK, UNKNOWN LIGHTING
18204090	Weslayan at Tennyson	4/14/2021	N - NOT INJURED	FIXED OBJECT	ONE MOTOR VEHICLE - GOING STRAIGHT	FAILED TO CONTROL SPEED	IMPAIRED VISIBILITY (EXPLAIN IN NARRATIVE)				INTERSECTION RELATED	HIT CURB	VISION OBSTRUCTED BY OTHER VISUAL OBSTRUCTIONS	2 - WET	2 - CLOUDY	3 - DARK, LIGHTED
18220365	Weslayan at Riley	4/23/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	OPPOSITE DIRECTION - ONE RIGHT TURN-ONE LEFT TURN	FAILED TO YIELD RIGHT OF WAY - TURN ON RED					INTERSECTION RELATED	NOT APPLICABLE	NOT APPLICABLE	2 - WET	3 - RAIN	3 - DARK, LIGHTED
18281899	Weslayan at Case	5/28/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	DRIVER INATTENTION	FAILED TO YIELD RIGHT OF WAY - STOP SIGN				INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18444450	Weslayan at Browning	8/28/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	OPPOSITE DIRECTION - BOTH GOING STRAIGHT	DRIVER INATTENTION	HAD BEEN DRINKING				INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	2 - CLOUDY	1 - DAYLIGHT
18449454	Weslayan at Byron	8/31/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	DRIVER INATTENTION					NON INTERSECTION	NOT APPLICABLE	SLOWING/STOPPING-FOR TRAFFIC	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18519067	Weslayan at Browning	10/6/2021	N - NOT INJURED	FIXED OBJECT	ONE MOTOR VEHICLE - GOING STRAIGHT	UNDER INFLUENCE - ALCOHOL					INTERSECTION RELATED	HIT LUMINAIRE POLE	NOT APPLICABLE	1 - DRY	1 - CLEAR	3 - DARK, LIGHTED
18488400	Weslayan at Marlowe	9/22/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	OPPOSITE DIRECTION - ONE STRAIGHT-ONE LEFT TURN	DRIVER INATTENTION	FAILED TO CONTROL SPEED	FAILED TO YIELD RIGHT OF WAY - TURNING LEFT			INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18532260	Weslayan at Riley	10/12/2021	99 - UNKNOWN	FIXED OBJECT	ONE MOTOR VEHICLE - TURNING RIGHT	HAD BEEN DRINKING	UNSAFE SPEED				INTERSECTION RELATED	HIT LUMINAIRE POLE	NOT APPLICABLE	1 - DRY	1 - CLEAR	3 - DARK, LIGHTED
18550441	Weslayan at Marlowe	10/25/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - BOTH GOING STRAIGHT-REAR END	FAILED TO CONTROL SPEED					NON INTERSECTION	NOT APPLICABLE	SLOWING/STOPPING-REASON NOT SPECIFIED	1 - DRY	1 - CLEAR	3 - DARK, LIGHTED
18571250	Weslayan at Marlowe	10/29/2021	99 - UNKNOWN	PARKED CAR	ONE MOTOR VEHICLE - OTHER	DRIVER INATTENTION					NON INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	99 - UNKNOWN	1 - CLEAR	99 - UNKNOWN
18569412	Weslayan at Browning	11/3/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - ONE STRAIGHT-ONE LEFT TURN	NONE					INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	2 - WET	3 - RAIN	5 - DAWN
18604039	Weslayan at Tennyson	11/22/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	DRIVER INATTENTION	FAILED TO CONTROL SPEED	CELL/MOBILE DEVICE USE - OTHER			INTERSECTION RELATED	NOT APPLICABLE	SLOWING/STOPPING - FOR OFFICER, FLAGMAN, OR TRAFFIC CONTROL	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18626167	Weslayan at Tennyson	12/4/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	OPPOSITE DIRECTION - ONE STRAIGHT-ONE LEFT TURN	FAILED TO YIELD RIGHT OF WAY - TURNING LEFT	UNSAFE SPEED				INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	1 - DRY	2 - CLOUDY	1 - DAYLIGHT
19169228	Weslayan at Browning	10/10/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	FAILED TO CONTROL SPEED					NON INTERSECTION	NOT APPLICABLE	SLOWING/STOPPING - FOR OFFICER, FLAGMAN, OR TRAFFIC CONTROL	1 - DRY	1 - CLEAR	1 - DAYLIGHT
19593747	Weslayan at Browning	6/10/2023	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	DISTRACTION IN VEHICLE	DRIVER INATTENTION				NON INTERSECTION	NOT APPLICABLE	SLOWING/STOPPING-FOR TRAFFIC	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18647299	Weslayan at Stella Link	12/15/2021	N - NOT INJURED	FIXED OBJECT	ONE MOTOR VEHICLE - GOING STRAIGHT	NONE					NON INTERSECTION	HIT HIGHWAY SIGN	NOT APPLICABLE	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18653507	Weslayan at Riley	12/19/2021	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - ONE STRAIGHT-ONE LEFT TURN	DRIVER INATTENTION	FAILED TO YIELD RIGHT OF WAY - STOP SIGN				INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18769644	Weslayan at Case	2/25/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	FAILED TO YIELD RIGHT OF WAY - STOP SIGN					INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	2 - WET	3 - RAIN	3 - DARK, LIGHTED
19125599	Weslayan at Marquette	9/21/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - BOTH GOING STRAIGHT-REAR END	DRIVER INATTENTION	FAILED TO CONTROL SPEED				INTERSECTION RELATED	NOT APPLICABLE	SLOWING/STOPPING-REASON NOT SPECIFIED	1 - DRY	1 - CLEAR	1 - DAYLIGHT
19529542	Weslayan at Marquette	5/7/2023	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	DRIVER INATTENTION	FAILED TO YIELD RIGHT OF WAY - STOP SIGN				INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	2 - WET	3 - RAIN	1 - DAYLIGHT
19078546	Weslayan at Milton	8/24/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	FAILED TO YIELD RIGHT OF WAY - STOP SIGN	OTHER (EXPLAIN IN NARRATIVE)				INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18907378	Weslayan at Riley	5/11/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	OPPOSITE DIRECTION - ONE RIGHT TURN-ONE LEFT TURN	DRIVER INATTENTION	TURNED WHEN UNSAFE	OTHER (EXPLAIN IN NARRATIVE)			INTERSECTION RELATED	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
18951547	Weslayan at University	5/31/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	DISTRACTION IN VEHICLE	DRIVER INATTENTION				INTERSECTION	NOT APPLICABLE	ATTENTION DIVERTED FROM DRIVING	1 - DRY	1 - CLEAR	1 - DAYLIGHT
19051885	Weslayan at Stella Link	8/4/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	CHANGED LANE WHEN UNSAFE	FAILED TO YIELD RIGHT OF WAY - STOP SIGN				INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	2 - WET	2 - CLOUDY	1 - DAYLIGHT
19074936	Weslayan at Riley	8/19/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	DRIVER INATTENTION	FAILED TO CONTROL SPEED				DRIVEWAY ACCESS	NOT APPLICABLE	SLOWING/STOPPING-TO MAKE LEFT TURN	2 - WET	3 - RAIN	1 - DAYLIGHT
19385962	Weslayan at Riley	2/9/2023	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	DRIVER INATTENTION	FAILED TO YIELD RIGHT OF WAY - STOP SIGN				NON INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	1 - DRY	1 - CLEAR	1 - DAYLIGHT
19538870	Weslayan at Southwestern	10/13/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - BOTH LEFT TURN	FAILED TO DRIVE IN SINGLE LANE					INTERSECTION RELATED	NOT APPLICABLE	NOT APPLICABLE	1 - DRY	1 - CLEAR	3 - DARK, LIGHTED
19191613	Weslayan at Southwestern	10/26/2022	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	ANGLE - BOTH GOING STRAIGHT	FAILED TO YIELD RIGHT OF WAY - STOP SIGN					INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	1 - DRY	1 - CLEAR	1 - DAYLIGHT
19407170	Weslayan at Swarthmore	2/25/2023	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - BOTH GOING STRAIGHT-REAR END	DISTRACTION IN VEHICLE	DRIVER INATTENTION	FOLLOWED TOO CLOSELY			INTERSECTION RELATED	NOT APPLICABLE	SLOWING/STOPPING-TO MAKE LEFT TURN	1 - DRY	1 - CLEAR	1 - DAYLIGHT
19335889	Weslayan at University	1/15/2023	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	OPPOSITE DIRECTION - ONE STRAIGHT-ONE LEFT TURN	FAILED TO YIELD RIGHT OF WAY - TURNING LEFT					INTERSECTION	NOT APPLICABLE	NOT APPLICABLE	1 - DRY	1 - CLEAR	3 - DARK, LIGHTED
19567793	Weslayan at Tennyson	5/26/2023	N - NOT INJURED	MOTOR VEHICLE IN TRANSPORT	SAME DIRECTION - ONE STRAIGHT-ONE STOPPED	FAILED TO CONTROL SPEED					INTERSECTION RELATED	NOT APPLICABLE	SLOWING/STOPPING - FOR OFFICER, FLAGMAN, OR TRAFFIC CONTROL	1 - DRY	1 - CLEAR	1 - DAYLIGHT

D.DRIVEWAY COUNT EXHIBIT



LEGEND
 ● Included conflict point
 ● Excluded conflict point

Driveway excluded from count. Fence limits use and additional access is provided on Byron St.

Driveway included in count. While paved driveway ends at sidewalk, no additional access is provided via Villanova St.

Two closely spaced driveways were observed to serve the same residence. As only one driveway is likely to be used at a time, it was considered to be a single conflict point.

Conflict Density
 Conflict Point Count = 22
 Segment Length = 0.25 mi