



December 2018

CITY OF ALBUQUERQUE
EASTERN AVENUE - WELLESLEY DRIVE
TO CARLISLE BOULEVARD
SPEED STUDY

NTMP P803000

TASK 11.6



WILSON
& COMPANY
ENGINEERS & ARCHITECTS

City of Albuquerque

EASTERN AVENUE -

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SPEED STUDY

NTMP P803000

NTP #11 - Task 11.6

WCI 1810002211

December 2018



December 20, 2018



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Appendix A – Traffic Data

Introduction

This report documents the speed study analysis on Eastern Avenue from Wellesley Drive to Carlisle Boulevard in Albuquerque, New Mexico. The purpose of this project is to collect and analyze the traffic volumes, speed, and safety of Eastern Avenue, a two-way street, from Wellesley Drive to Carlisle Boulevard to determine if it meets the traffic calming criterion described in the *City of Albuquerque (COA) Neighborhood Traffic Management Program (NTMP)*, February 2015, and the *Institute of Transportation Engineers (ITE) Traffic Engineering Handbook*, 6th Edition.

Project Area and Background

The Eastern Avenue project is located in Albuquerque, New Mexico and is approximately 0.25 miles (1,318 feet) in length. Eastern Avenue is a two-lane, undivided local street that runs east-west, from Wellesley Drive to Carlisle Boulevard. Wellesley Drive is a two-lane, undivided local street that runs north-south and intersects the west end of Eastern Avenue at a T-intersection. Carlisle Boulevard is a two-lane, undivided minor arterial that runs north-south and intersects the east end of Eastern Avenue at a T-intersection. See **Figure 1** for a map of the project area.



Figure 1: Project Area and Existing Traffic Volumes

A request has been made to the City of Albuquerque to determine if traffic calming is appropriate for this location. Wilson & Company was tasked by the City of Albuquerque to determine Eastern Avenue from Wellesley Drive to Carlisle Boulevard warrants traffic calming measures.

Existing Conditions

Traffic Conditions

Eastern Avenue is an urban local road with an Average Daily Traffic (ADT) of 324 vehicles (Counter 1) and 442 vehicles (Counter 2), which includes less than 1% heavy vehicles (buses and trucks), and an existing speed limit of 25 mph. See [Appendix A](#) for further information.

Traffic Volumes

Existing tube count data (volume, speed, and class) was collected at two locations for 48-hours on Wednesday, October 24, 2018 and Thursday, October 25, 2018. See [Figure 1](#) for the peak hour volumes. The full traffic count data can be found in [Appendix A](#).

Safety

Crash Data

Historical crash data was provided by the City of Albuquerque. Three years of crash data (2017, 2016, and 2015, no crashes in 2017 or 2015) were obtained to evaluate the existing safety condition of Eastern Avenue from Wellesley Drive to Carlisle Boulevard. See [Table 1](#) for crash summary.

Table 1: Crash Summary

Crash Date	Crash Intersecting Street	Crash Primary Street	Crash Analysis	Severity	Contributing Factors	Crash Correct with Traffic Calming
9/20/2016	Amherst Drive	Eastern Avenue	Vehicle Struck Cyclist at Angle	Injury	Driver Inattention	No

Crash Analysis

The following observations were concluded from the review of the three years (2015, 2016, and 2017) of crash data (1 total crash):

- The crash occurred in clear conditions;
- The crash resulted in an injury; and
- The crash occurred during the day.

Speed

Speed data was collected on Eastern Avenue for a 48-hour period. See [Table 2](#) for the 85th-Percentile speeds for Eastern Avenue.

Table 2: 85th-Percentile Speed

Location	85 th -Percentile Speed	
	Counter 1	Counter 2
Eastbound	24 mph	28 mph
Westbound	24 mph	27 mph

See [Table 3](#) for the 10 mph pace speeds for Eastern Avenue.

Table 3: 10 mph Pace Speed

Location	10 mph Pace Speed	
	Counter 1	Counter 2
Eastbound	16 -25 mph	21 – 30 mph
Westbound	16 - 25 mph	16 – 25 mph

Speed data can be found in the traffic counts located in [Appendix A](#). The 85th-percentile speed does not exceed the posted speed limit by 5 mph or more (25 mph) for both eastbound and westbound Eastern Avenue.

Typical Sections

Eastern Avenue is a 28-ft wide roadway with curb and gutter and 4-ft wide sidewalks. See [Figure 3](#) and [Figure 4](#) for photos of the existing roadway, and [Figure 5](#) for the existing Eastern Avenue typical section.



Figure 2: Eastern Avenue Speed Limit



Figure 3: Eastern Avenue looking east



Figure 4: Eastern Avenue looking west

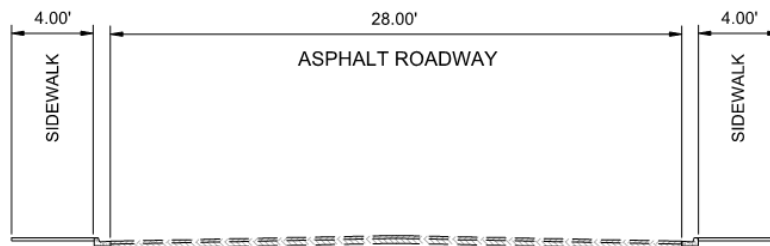


Figure 5: Eastern Avenue Existing Typical Section

NTMP Traffic Calming Criteria

In order to meet the traffic calming criterion described in the *COA NTMP*, two or more of the following threshold criteria must be met:

1. Reported crashes in the past 3 years that could be corrected with traffic calming
2. Peak-hour traffic volume greater than 400 vehicles in one direction
3. 25 percent of peak-hour traffic is non-local cut-through traffic
4. 85th-percentile speed exceeds the posted speed limit by 5 mph or more

Summary of Results

The single crash that was reported in the past 3 years, could not have been corrected with traffic calming. The peak-hour traffic volumes for Eastern Avenue were less than 400 vehicles for both eastbound and westbound directions. The 85th-percentile speed does not exceed the posted speed limit by 5mph. See **Table 4** for the summary of results for Eastern Avenue from Wellesley Drive to Carlisle Boulevard.

Table 4: Summary of Results

COA NMTP Threshold Criteria		Warranted?
1.	Reported crashes in the past 3 years that could be corrected with traffic calming	No
2.	Peak-hour traffic volume greater than 400 vehicles in one direction	No
3.	25 percent of peak-hour traffic is non-local cut-through traffic	Not studied
4.	85 th -percentile speed exceeds the posted speed limit by 5 mph or more	No

Recommendations

After analyzing the crash, volume, and speed data, it was determined that Eastern Avenue from Wellesley Drive to Carlisle Boulevard meets none of the four (4) criteria and, therefore, **does not** meet the minimum traffic calming criterion as described in the *COA NTMP* at this time.

Appendix A – Traffic Data

Site Code: EASTERN WEST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

West Bound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
10/23/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	3	1	0	2	0	0	0	0	0	0	0	0	0	0	6	*	2
14:00	6	1	2	2	0	0	0	0	0	0	0	0	0	0	11	21-30	4
15:00	2	3	3	1	0	0	0	0	0	0	0	0	0	0	9	16-25	6
16:00	3	2	2	0	0	0	0	0	0	0	0	0	0	0	7	14-23	4
17:00	2	6	2	0	0	0	0	0	0	0	0	0	0	0	10	16-25	8
18:00	10	6	3	0	0	0	0	0	0	0	0	0	0	0	19	15-24	9
19:00	4	6	1	2	0	0	0	0	0	0	0	0	0	0	13	16-25	7
20:00	6	0	2	1	0	0	0	0	0	0	0	0	0	0	9	6-15	4
21:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	11-20	3
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
23:00	1	0	2	1	0	0	0	0	0	0	0	0	0	0	4	19-28	3
Total	37	28	17	10	0	0	0	0	0	0	0	0	0	0	92		
Percent	40.2%	30.4%	18.5%	10.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	18:00	17:00	15:00	13:00											18:00		
	10	6	3	2											19		

Site Code: EASTERN WEST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

West Bound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
10/24/18	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	9-18	1
01:00	3	0	1	0	0	0	0	0	0	0	0	0	0	0	4	*	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	15-24	1
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	4	2	1	1	0	0	0	0	0	0	0	0	0	0	8	16-25	3
07:00	7	2	1	1	0	0	0	0	0	0	0	0	0	0	11	1-10	5
08:00	5	2	0	1	0	0	0	0	0	0	0	0	0	0	8	9-18	4
09:00	4	0	1	0	0	0	0	0	0	0	0	0	0	0	5	1-10	3
10:00	1	3	3	0	0	0	0	0	0	0	0	0	0	0	7	16-25	6
11:00	2	1	1	2	0	0	0	0	0	0	0	0	0	0	6	19-28	3
12 PM	4	2	3	1	0	0	0	0	0	0	0	0	0	0	10	15-24	5
13:00	2	2	2	1	0	0	0	0	0	0	0	0	0	0	7	16-25	4
14:00	10	3	3	3	0	0	0	0	0	0	0	0	0	0	19	1-10	7
15:00	10	4	7	3	0	0	0	0	0	0	0	0	0	0	24	16-25	11
16:00	2	3	3	3	0	0	0	0	0	0	0	0	0	0	11	15-24	6
17:00	7	2	7	2	2	0	0	0	0	0	0	0	0	0	20	21-30	9
18:00	5	2	2	1	0	0	0	0	0	0	0	0	0	0	10	16-25	4
19:00	4	5	3	1	0	0	0	0	0	0	0	0	0	0	13	15-24	8
20:00	1	4	0	0	0	0	0	0	0	0	0	0	0	0	5	15-24	4
21:00	2	2	2	1	0	0	0	0	0	0	0	0	0	0	7	16-25	4
22:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	11-20	3
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	9-18	1
Total	74	45	40	22	2	0	0	0	0	0	0	0	0	0	183		
Percent	40.4%	24.6%	21.9%	12.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	10:00	10:00	11:00											07:00		
Vol.	7	3	3	2											11		
PM Peak	14:00	19:00	15:00	14:00	17:00										15:00		
Vol.	10	5	7	3	2										24		

Site Code: EASTERN WEST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

West Bound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
10/25/18	0	1	3	2	0	0	0	0	0	0	0	0	0	0	6	19-28	5
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	9-18	1
06:00	3	0	1	1	0	0	0	0	0	0	0	0	0	0	5	21-30	2
07:00	4	2	0	0	0	0	0	0	0	0	0	0	0	0	6	12-21	3
08:00	4	1	2	1	0	0	0	0	0	0	0	0	0	0	8	21-30	3
09:00	0	4	0	3	2	0	0	0	0	0	0	0	0	0	9	26-35	5
10:00	3	1	2	0	1	0	0	0	0	0	0	0	0	0	7	16-25	3
11:00	2	0	0	2	0	1	0	0	0	0	0	0	0	0	5	26-35	2
12 PM	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	9-18	2
13:00	3	1	1	1	0	0	0	0	0	0	0	0	0	0	6	21-30	2
14:00	3	2	3	1	1	0	0	0	0	0	0	0	0	0	10	16-25	5
15:00	5	1	5	0	0	0	0	0	0	0	0	0	0	0	11	16-25	6
16:00	6	4	1	1	0	0	0	0	0	0	0	0	0	0	12	11-20	6
17:00	4	6	4	0	0	0	0	0	0	0	0	0	0	0	14	16-25	10
18:00	5	4	5	3	1	0	0	0	0	0	0	0	0	0	18	16-25	9
19:00	6	4	6	1	0	0	0	0	0	0	0	0	0	0	17	16-25	10
20:00	6	3	1	2	0	0	0	0	0	0	0	0	0	0	12	11-20	5
21:00	1	2	2	0	0	0	0	0	0	0	0	0	0	0	5	15-24	4
22:00	1	0	3	0	0	0	0	0	0	0	0	0	0	0	4	16-25	3
23:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	9-18	1
Total	58	39	39	19	5	1	0	0	0	0	0	0	0	0	161		
Percent	36.0%	24.2%	24.2%	11.8%	3.1%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	09:00	00:00	09:00	09:00	11:00									09:00		
Vol.	4	4	3	3	2	1									9		
PM Peak	16:00	17:00	19:00	18:00	14:00										18:00		
Vol.	6	6	6	3	1										18		

Stats	10 MPH Pace Speed :	16-25 MPH
	Number in Pace :	219
	Percent in Pace :	47.0%
	Number of Vehicles > 55 MPH :	0
	Percent of Vehicles > 55 MPH :	0.0%
	Mean Speed(Average) :	17 MPH

Site Code: EASTERN WEST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

East Bound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
10/23/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	1	3	1	0	0	0	0	0	0	0	0	0	0	0	5	16-25	4
14:00	3	3	3	1	0	0	0	0	0	0	0	0	0	0	10	16-25	6
15:00	1	5	1	0	0	0	0	0	0	0	0	0	0	0	7	13-22	6
16:00	9	1	1	1	0	0	0	0	0	0	0	0	0	0	12	6-15	6
17:00	3	3	1	1	0	0	0	0	0	0	0	0	0	0	8	16-25	4
18:00	4	2	4	2	0	0	0	0	0	0	0	0	0	0	12	21-30	6
19:00	7	0	3	1	0	0	0	0	0	0	0	0	0	0	11	1-10	5
20:00	5	1	0	0	0	0	0	0	0	0	0	0	0	0	6	8-17	3
21:00	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	9-18	1
22:00	1	2	1	0	0	0	0	0	0	0	0	0	0	0	4	13-22	3
23:00	1	1	0	1	0	0	0	0	0	0	0	0	0	0	3	15-24	1
Total	35	22	15	8	0	0	0	0	0	0	0	0	0	0	80		
Percent	43.8%	27.5%	18.8%	10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	16:00	15:00	18:00	18:00											16:00		
	9	5	4	2											12		

Stats	10 MPH Pace Speed :	16-25 MPH
	Number in Pace :	246
	Percent in Pace :	51.5%
	Number of Vehicles > 55 MPH :	0
	Percent of Vehicles > 55 MPH :	0.0%
	Mean Speed(Average) :	17 MPH

Site Code: EASTERN WEST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

West Bound, East Bound

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classe	Total
10/25/18	0	8	0	0	1	0	0	0	0	0	0	0	0	0	9
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
04:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
05:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	4
06:00	0	5	5	0	2	0	0	0	0	0	0	0	0	3	15
07:00	0	7	3	0	4	0	0	0	0	0	0	0	0	3	17
08:00	1	8	8	0	3	0	0	0	0	0	0	0	0	0	20
09:00	0	10	5	0	1	0	0	0	0	0	0	0	0	0	16
10:00	0	4	6	0	5	0	0	0	0	0	0	0	0	0	15
11:00	1	7	6	0	0	0	0	0	0	0	0	0	0	0	14
12 PM	0	3	1	0	0	0	0	0	0	0	0	0	0	3	7
13:00	1	7	1	0	0	0	0	1	0	0	0	0	0	2	12
14:00	0	12	3	0	2	0	0	0	0	0	0	0	0	7	24
15:00	0	12	5	0	2	0	0	0	0	0	0	0	0	5	24
16:00	0	13	10	0	1	0	0	0	0	0	0	0	0	3	27
17:00	0	17	7	0	0	0	0	0	0	0	0	0	0	5	29
18:00	0	12	9	0	1	0	0	0	0	0	0	0	0	3	25
19:00	1	4	17	0	0	0	0	0	0	0	0	0	0	5	27
20:00	1	2	14	0	1	0	0	0	0	0	0	0	0	5	23
21:00	0	4	4	0	1	0	0	0	0	0	0	0	0	0	9
22:00	0	1	6	0	0	0	0	0	0	0	0	0	0	0	7
23:00	0	1	4	0	2	0	0	0	0	0	0	0	0	0	7
Total	5	142	117	0	26	0	0	1	0	0	0	0	0	44	335
Percent	1.5%	42.4%	34.9%	0.0%	7.8%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	13.1%	
AM Peak	08:00	09:00	08:00		10:00									06:00	08:00
Vol.	1	10	8		5									3	20
PM Peak	13:00	17:00	19:00		14:00			13:00						14:00	17:00
Vol.	1	17	17		2			1						7	29

Site Code: EASTERN EAST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

East Bound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
10/23/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	2	6	3	5	1	0	0	0	0	0	0	0	0	0	17	15-24	9
13:00	2	4	5	2	0	0	0	0	0	0	0	0	0	0	13	16-25	9
14:00	2	4	4	2	1	0	0	0	0	0	0	0	0	0	13	16-25	8
15:00	5	2	2	4	0	0	0	0	0	0	0	0	0	0	13	20-29	6
16:00	4	4	7	2	1	1	0	0	0	0	0	0	0	0	19	16-25	11
17:00	2	4	9	4	1	0	0	0	0	0	0	0	0	0	20	16-25	13
18:00	0	3	3	3	1	0	0	0	0	0	0	0	0	0	10	21-30	6
19:00	2	3	10	1	0	0	0	0	0	0	0	0	0	0	16	16-25	13
20:00	1	2	2	1	1	0	0	0	0	0	0	0	0	0	7	16-25	4
21:00	1	4	1	1	0	0	0	0	0	0	0	0	0	0	7	13-22	5
22:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	15-24	4
23:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	4	15-24	4
Total	21	40	50	25	6	1	0	0	0	0	0	0	0	0	143		
Percent	14.7%	28.0%	35.0%	17.5%	4.2%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	15:00	12:00	19:00	12:00	12:00	16:00									17:00		
	5	6	10	5	1	1									20		

Site Code: EASTERN EAST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

East Bound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
10/24/18	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	9-18	1
05:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	19-28	3
06:00	0	3	2	2	1	0	0	0	0	0	0	0	0	0	8	16-25	5
07:00	5	2	3	3	1	1	0	0	0	0	0	0	0	0	15	19-28	6
08:00	3	5	4	3	0	0	0	0	0	0	0	0	0	0	15	16-25	9
09:00	2	0	4	2	0	0	0	0	0	0	0	0	0	0	8	20-29	6
10:00	3	4	7	2	2	0	0	0	0	0	0	0	0	0	18	16-25	11
11:00	2	0	3	1	2	0	0	0	0	0	0	0	0	0	8	21-30	4
12 PM	3	4	4	2	1	0	0	0	0	0	0	0	0	0	14	16-25	8
13:00	4	0	4	2	2	0	0	0	0	0	0	0	0	0	12	21-30	6
14:00	4	5	12	3	0	0	0	0	0	0	0	0	0	0	24	16-25	17
15:00	3	4	2	7	2	0	0	0	0	0	0	0	0	0	18	26-35	9
16:00	2	4	8	3	3	0	0	0	0	0	0	0	0	0	20	16-25	12
17:00	3	2	6	1	0	0	0	0	0	0	0	0	0	0	12	16-25	8
18:00	3	2	3	5	1	0	0	0	0	0	0	0	0	0	14	21-30	8
19:00	0	1	5	3	1	0	0	0	1	0	0	0	0	0	11	20-29	8
20:00	2	3	4	4	2	0	0	0	0	0	0	0	0	0	15	21-30	8
21:00	1	0	2	2	0	0	0	0	0	0	0	0	0	0	5	20-29	4
22:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	3	8-17	1
23:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	*	1
Total	43	40	76	47	18	1	0	0	1	0	0	0	0	0	226		
Percent	19.0%	17.7%	33.6%	20.8%	8.0%	0.4%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	08:00	10:00	07:00	10:00	07:00									10:00		
Vol.	5	5	7	3	2	1									18		
PM Peak	13:00	14:00	14:00	15:00	16:00				19:00						14:00		
Vol.	4	5	12	7	3				1						24		

Site Code: EASTERN EAST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

East Bound	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	Pace	Number
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999		Speed	in Pace
10/25/18	3	0	0	0	0	1	0	0	0	0	0	0	0	0	4	*	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
05:00	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3	15-24	3
06:00	0	3	4	1	1	0	0	0	0	0	0	0	0	0	9	16-25	7
07:00	2	1	5	3	1	0	0	0	0	0	0	0	0	0	12	20-29	8
08:00	3	3	6	4	0	0	0	0	0	0	0	0	0	0	16	21-30	10
09:00	4	2	1	3	2	0	0	0	0	0	0	0	0	0	12	26-35	5
10:00	4	3	3	4	0	0	0	0	0	0	0	0	0	0	14	19-28	7
11:00	3	2	7	4	0	0	0	0	0	0	0	0	0	0	16	21-30	11
12 PM	4	3	1	10	0	0	0	0	0	0	0	0	0	0	18	21-30	11
13:00	3	2	0	3	1	0	0	0	0	0	0	0	0	0	9	24-33	4
14:00	3	2	3	4	4	0	0	0	0	0	0	0	0	0	16	24-33	8
15:00	5	5	6	5	1	1	0	0	0	0	0	0	0	0	23	16-25	11
16:00	2	3	4	10	0	0	0	0	0	0	0	0	0	0	19	21-30	14
17:00	2	3	6	5	2	0	0	0	0	0	0	0	0	0	18	21-30	11
18:00	4	1	10	5	0	0	0	0	0	0	0	0	0	0	20	21-30	15
19:00	1	3	2	2	1	0	0	0	0	0	0	0	0	0	9	16-25	5
20:00	4	1	4	5	0	0	0	0	0	0	0	0	0	0	14	21-30	9
21:00	1	2	3	2	0	0	0	0	0	0	0	0	0	0	8	21-30	5
22:00	0	1	1	2	0	0	0	0	0	0	0	0	0	0	4	19-28	3
23:00	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2	*	1
Total	49	41	70	72	13	2	0	0	0	0	0	0	0	0	247		
Percent	19.8%	16.6%	28.3%	29.1%	5.3%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	06:00	11:00	08:00	09:00	00:00									08:00		
Vol.	4	3	7	4	2	1									16		
PM Peak	15:00	15:00	18:00	12:00	14:00	15:00									15:00		
Vol.	5	5	10	10	4	1									23		

Stats	10 MPH Pace Speed :	21-30 MPH
	Number in Pace :	381
	Percent in Pace :	55.2%
	Number of Vehicles > 25 MPH :	209
	Percent of Vehicles > 25 MPH :	30.3%
	Mean Speed(Average) :	21 MPH

Site Code: EASTERN EAST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

West Bound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
10/23/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	2	1	5	2	1	0	0	0	0	0	0	0	0	0	11	21-30	7
13:00	4	6	4	2	0	2	0	0	0	0	0	0	0	0	18	16-25	10
14:00	2	2	6	2	0	0	0	0	0	0	0	0	0	0	12	21-30	8
15:00	3	4	8	1	0	0	0	0	0	0	0	0	0	0	16	16-25	12
16:00	1	4	4	1	0	0	0	0	0	0	0	0	0	0	10	16-25	8
17:00	2	4	7	2	1	0	0	0	0	0	0	0	0	0	16	16-25	11
18:00	1	1	13	3	0	0	0	0	0	0	0	0	0	0	18	20-29	16
19:00	4	3	3	7	2	0	0	0	0	0	0	0	0	0	19	21-30	10
20:00	1	2	1	0	1	0	0	0	0	0	0	0	0	0	5	16-25	3
21:00	4	0	3	1	1	0	0	0	0	0	0	0	0	0	9	21-30	4
22:00	0	2	1	0	0	0	0	0	0	0	0	0	0	0	3	14-23	3
23:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3	20-29	3
Total	24	29	56	23	6	2	0	0	0	0	0	0	0	0	140		
Percent	17.1%	20.7%	40.0%	16.4%	4.3%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	13:00	13:00	18:00	19:00	19:00	13:00									19:00		
	4	6	13	7	2	2									19		

Site Code: EASTERN EAST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

West Bound

Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	Pace Speed	Number in Pace
10/25/18	0	0	0	2	0	1	0	0	0	0	0	0	0	0	3	20-29	2
01:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	15-24	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	0	1	1	0	1	0	0	0	0	0	0	0	0	3	19-28	2
07:00	2	2	3	1	1	0	0	0	0	0	0	0	0	0	9	16-25	5
08:00	0	0	2	4	0	0	0	0	0	0	0	0	0	0	6	21-30	6
09:00	1	3	1	1	1	0	0	0	0	0	0	0	0	0	7	16-25	4
10:00	4	2	5	0	0	0	0	0	0	0	0	0	0	0	11	16-25	7
11:00	2	3	2	3	0	0	0	0	0	0	0	0	0	0	10	15-24	5
12 PM	3	1	1	4	1	0	0	0	0	0	0	0	0	0	10	23-32	5
13:00	5	1	1	4	2	0	0	0	0	0	0	0	0	0	13	26-35	6
14:00	1	1	4	3	1	0	0	0	0	0	0	0	0	0	10	20-29	7
15:00	2	4	2	2	1	0	0	0	0	0	0	0	0	0	11	16-25	6
16:00	2	5	7	3	0	0	0	0	0	0	0	0	0	0	17	16-25	12
17:00	5	6	4	5	2	0	0	0	0	0	0	0	0	0	22	16-25	10
18:00	5	7	6	4	1	1	0	0	0	0	0	0	0	0	24	16-25	13
19:00	2	5	5	4	1	0	0	0	0	0	0	0	0	0	17	16-25	10
20:00	1	6	6	1	1	0	0	0	0	0	0	0	0	0	15	16-25	12
21:00	3	2	1	2	0	0	0	0	0	0	0	0	0	0	8	21-30	3
22:00	0	3	3	2	1	0	0	0	0	0	0	0	0	0	9	16-25	6
23:00	3	0	1	0	0	1	0	0	0	0	0	0	0	0	5	6-15	2
Total	41	51	57	46	13	4	0	0	0	0	0	0	0	0	212		
Percent	19.3%	24.1%	26.9%	21.7%	6.1%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	10:00	09:00	10:00	08:00	07:00	00:00									10:00		
Vol.	4	3	5	4	1	1									11		
PM Peak	13:00	18:00	16:00	17:00	13:00	18:00									18:00		
Vol.	5	7	7	5	2	1									24		

Stats	10 MPH Pace Speed :	16-25 MPH
	Number in Pace :	346
	Percent in Pace :	56.2%
	Number of Vehicles > 25 MPH :	154
	Percent of Vehicles > 25 MPH :	25.0%
	Mean Speed(Average) :	21 MPH

Site Code: EASTERN EAST
 Station ID:

Latitude: 0' 0.0000 South
 Latitude: 0' 0.0000 South

East Bound, West Bound

Start Time	Bikes	Cars & Trailer	2 Axle Long	Buses	2 Axle 6 Tire	3 Axle Single	4 Axle Single	<5 Axl Double	5 Axle Double	>6 Axl Double	<6 Axl Multi	6 Axle Multi	>6 Axl Multi	Not Classe	Total
10/25/18	0	3	2	0	0	0	0	0	0	0	0	0	0	2	7
01:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
05:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
06:00	0	7	5	0	0	0	0	0	0	0	0	0	0	0	12
07:00	0	13	4	0	0	0	0	0	0	0	0	0	0	4	21
08:00	0	15	4	0	0	0	0	0	0	0	0	0	0	3	22
09:00	0	12	2	0	1	1	0	0	0	0	0	0	0	3	19
10:00	0	13	4	0	5	0	0	0	0	0	0	0	0	3	25
11:00	0	20	5	0	0	0	0	0	0	0	0	0	0	1	26
12 PM	0	19	5	0	3	0	0	1	0	0	0	0	0	0	28
13:00	0	15	2	0	2	0	0	0	0	0	0	0	0	3	22
14:00	0	22	4	0	0	0	0	0	0	0	0	0	0	0	26
15:00	0	22	8	0	1	0	0	0	0	0	0	0	0	3	34
16:00	0	24	6	0	4	0	0	0	0	0	0	0	0	2	36
17:00	0	24	12	0	3	0	0	0	0	0	0	0	0	1	40
18:00	0	33	7	0	2	0	0	0	0	0	0	0	0	2	44
19:00	0	21	5	0	0	0	0	0	0	0	0	0	0	0	26
20:00	0	21	4	0	2	1	0	0	0	0	0	0	0	1	29
21:00	0	11	3	0	0	0	0	0	0	0	0	0	0	2	16
22:00	0	12	1	0	0	0	0	0	0	0	0	0	0	0	13
23:00	0	4	1	0	0	0	0	0	0	0	0	0	0	2	7
Total	0	316	85	0	23	2	0	1	0	0	0	0	0	32	459
Percent	0.0%	68.8%	18.5%	0.0%	5.0%	0.4%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	7.0%	
AM Peak		11:00	06:00		10:00	09:00								07:00	11:00
Vol.		20	5		5	1								4	26
PM Peak		18:00	17:00		16:00	20:00		12:00						13:00	18:00
Vol.		33	12		4	1		1						3	44



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