



January 2019

CITY OF ALBUQUERQUE
**TRAIL RIDGE ROAD - AMERICAN HERITAGE DRIVE
TO KNIGHT ROAD
SPEED STUDY**

NTMP P803000
TASK 11.4

WILSON
& COMPANY
ENGINEERS & ARCHITECTS

City of Albuquerque

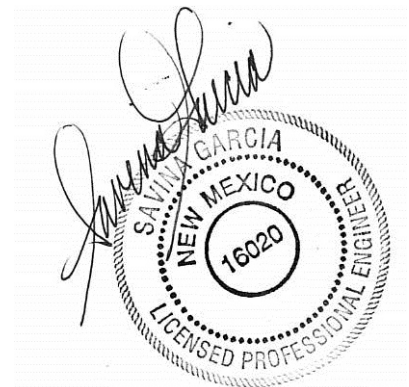
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NTMP P803000

NTP #11 - Task 11.4

WCI 1810002211

January 2019



January 23, 2019



Table of Contents

Tables.....	1
Introduction	1
Project Area and Background	1
Existing Conditions	2
Traffic Conditions	2
Traffic Volumes.....	2
Safety.....	2
Crash Data	2
Crash Analysis.....	2
Speed	2
Typical Sections	3
NTMP Traffic Calming Criteria.....	4
Summary of Results.....	4
Recommendations	5

Figures

Figure 1: Project Area and Existing Traffic Volumes.....	1
Figure 2: Trail Ridge Road Speed Limit	3
Figure 3: Trail Ridge Road looking east.....	3
Figure 4: Trail Ridge Road looking west.....	4
Figure 5: Trail Ridge Road Existing Typical Section	4

Tables

Table 1: Crash Summary	2
Table 2: 85 th -Percentile Speed	3
Table 3: 10 mph Pace Speed	3
Table 4: Summary of Results.....	5

Appendices

Appendix A – Traffic Data

Introduction

This report documents the speed study analysis on Trail Ridge Road from American Heritage Drive to Knight Road in Albuquerque, New Mexico. The purpose of this project is to collect and analyze the traffic volumes, speed, and safety of Trail Ridge Road, a two-way street, from American Heritage Drive to Knight Road 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 Trail Ridge Road project is located in Albuquerque, New Mexico and is approximately 0.29 miles (1,506 feet) in length. Trail Ridge Road is a two-lane, undivided local street that runs east-west, from American Heritage Drive to Knight Road. American Heritage Drive is also a two-lane, undivided local street that runs north-south and intersects Trail Ridge Road from the south by means of a free-flowing curve at the west end of Trail Ridge Road. Knight Road is a two-lane, undivided local street that runs north-south and intersects the east end of Trail Ridge Road at a T-intersection. See **Figure 1** for a map of the project area.



Figure 1: Project Area and Existing Traffic Volumes

Task 11.4: Trail Ridge Road from American Heritage Drive to Knight Road

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 if Trail Ridge Road from American Heritage Drive to Knight Road warrants traffic calming measures.

Existing Conditions

Traffic Conditions

Trail Ridge Road is an urban local road with an Average Daily Traffic (ADT) of 276 vehicles, 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 for 48-hours on Wednesday, October 31, 2018 and Thursday, November 1, 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 2015 and 2016) were obtained to evaluate the existing safety condition of Trail Ridge Road from American Heritage Drive to Knight Road. 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
9/19/2017	Fair Oak Trail	Trail Ridge Road	Rear End Collision/Same Direction	Injury	Driver Inattention, Excessive Speed, Following Too Closely, Other Improper Driving	Yes

Crash Analysis

The following observations were concluded from the review of the three years (2017, 2016, and 2015) 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 Trail Ridge Road for a 48-hour period. See [Table 2](#) for the 85th-Percentile speeds for Trail Ridge.

Task 11.4: Trail Ridge Road from American Heritage Drive to Knight Road

Table 2: 85th-Percentile Speed

Location	85 th -Percentile Speed
Eastbound	26 mph
Westbound	25 mph

See [Table 3](#) for the 10 mph pace speeds for Trail Ridge Road.

Table 3: 10 mph Pace Speed

Location	10 mph Pace Speed
Eastbound	16 - 25 mph
Westbound	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 either westbound or eastbound Trail Ridge Road.

Typical Sections

Trail Ridge Road is a 28-ft wide roadway with curb and gutter and 3.5-ft wide sidewalks. See [Figure 3](#) and [Figure 4](#) for photos of the existing roadway, and [Figure 5](#) for the existing Trail Ridge Road typical section.



Figure 2: Trail Ridge Road Speed Limit



Figure 3: Trail Ridge Road looking east



Figure 4: Trail Ridge Road looking west

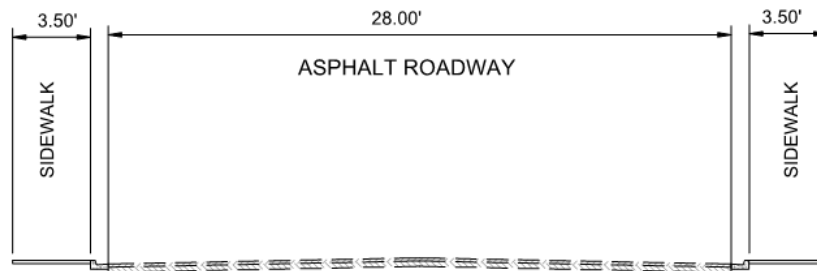


Figure 5: Trail Ridge Road Existing Typical Section

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 have been corrected with traffic calming. The peak-hour traffic volumes for Trail Ridge Road were less than 400 vehicles for both eastbound and

Task 11.4: Trail Ridge Road from American Heritage Drive to Knight Road

westbound directions. The 85th-percentile speed does not exceed the posted speed limit by 5 mph. See **Table 4** for the summary of results for Trail Ridge Road from American Heritage Drive to Knight Road.

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	Yes
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 Trail Ridge Road from American Heritage Drive to Knight Road meets one (1) 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: TRAIL RIDGE
 Station ID:

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

Start Time	29-Oct-18		Tue		Wed		Thu		Fri		Sat		Sun		Week Average	
	West Bou	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou	West Bo	East Bou
12:00 AM	*	*	*	*	0	0	0	1	0	0	*	*	*	*	0	0
01:00	*	*	*	*	0	0	0	2	0	0	*	*	*	*	0	1
02:00	*	*	*	*	0	0	0	0	0	0	*	*	*	*	0	0
03:00	*	*	*	*	0	0	0	0	0	0	*	*	*	*	0	0
04:00	*	*	*	*	0	0	0	0	0	1	*	*	*	*	0	0
05:00	*	*	*	*	0	0	0	0	0	1	*	*	*	*	0	0
06:00	*	*	*	*	4	11	3	9	3	8	*	*	*	*	3	9
07:00	*	*	*	*	2	12	3	16	7	13	*	*	*	*	4	14
08:00	*	*	*	*	6	14	11	10	16	14	*	*	*	*	11	13
09:00	*	*	*	*	2	9	6	3	4	18	*	*	*	*	4	10
10:00	*	*	*	*	2	6	6	11	7	11	*	*	*	*	5	9
11:00	*	*	*	*	8	5	6	8	0	0	*	*	*	*	5	4
12:00 PM	*	*	*	*	4	8	13	13	*	*	*	*	*	*	8	10
01:00	*	*	*	*	10	8	9	8	*	*	*	*	*	*	10	8
02:00	*	*	*	*	6	10	7	10	*	*	*	*	*	*	6	10
03:00	*	*	11	10	9	8	20	14	*	*	*	*	*	*	13	11
04:00	*	*	8	8	15	11	12	8	*	*	*	*	*	*	12	9
05:00	*	*	9	15	20	12	10	7	*	*	*	*	*	*	13	11
06:00	*	*	13	8	18	9	7	8	*	*	*	*	*	*	13	8
07:00	*	*	6	7	13	12	9	5	*	*	*	*	*	*	9	8
08:00	*	*	4	5	5	11	6	4	*	*	*	*	*	*	5	7
09:00	*	*	4	0	7	10	2	2	*	*	*	*	*	*	4	4
10:00	*	*	2	1	2	2	1	0	*	*	*	*	*	*	2	1
11:00	*	*	0	0	0	0	0	0	*	*	*	*	*	*	0	0
Lane Day	0	0	57	54	133	158	131	139	37	66	0	0	0	0	127	147
AM Peak Vol.	-	-	-	-	11:00	08:00	08:00	07:00	08:00	09:00	-	-	-	-	08:00	07:00
PM Peak Vol.	-	-	18:00	17:00	17:00	17:00	15:00	15:00	-	-	-	-	-	-	15:00	15:00

Comb. Total	0	111	291	270	103	0	0	274
ADT	ADT 276	AADT 276						

Site Code: TRAIL RIDGE
 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
10/30/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	1	4	6	0	0	0	0	0	0	0	0	0	0	0	11	16-25	10
16:00	0	4	2	2	0	0	0	0	0	0	0	0	0	0	8	15-24	6
17:00	2	1	5	1	0	0	0	0	0	0	0	0	0	0	9	16-25	6
18:00	3	1	8	1	0	0	0	0	0	0	0	0	0	0	13	16-25	9
19:00	0	2	4	0	0	0	0	0	0	0	0	0	0	0	6	16-25	6
20:00	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	16-25	4
21:00	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4	16-25	4
22:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	15-24	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	7	14	32	4	0	0	0	0	0	0	0	0	0	0	57		
Percent	12.3%	24.6%	56.1%	7.0%	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.	18:00	15:00	18:00	16:00											18:00		
	3	4	8	2											13		

Site Code: TRAIL RIDGE
 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
10/31/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	1	0	3	0	0	0	0	0	0	0	0	0	0	0	4	16-25	3
07:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	15-24	1
08:00	0	1	2	3	0	0	0	0	0	0	0	0	0	0	6	20-29	5
09:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	14-23	2
10:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	19-28	2
11:00	1	4	1	2	0	0	0	0	0	0	0	0	0	0	8	13-22	5
12 PM	0	1	3	0	0	0	0	0	0	0	0	0	0	0	4	16-25	4
13:00	2	4	3	0	1	0	0	0	0	0	0	0	0	0	10	15-24	7
14:00	1	3	2	0	0	0	0	0	0	0	0	0	0	0	6	15-24	5
15:00	0	1	5	3	0	0	0	0	0	0	0	0	0	0	9	20-29	8
16:00	2	0	7	4	2	0	0	0	0	0	0	0	0	0	15	21-30	11
17:00	2	8	8	2	0	0	0	0	0	0	0	0	0	0	20	16-25	16
18:00	6	6	6	0	0	0	0	0	0	0	0	0	0	0	18	16-25	12
19:00	5	5	3	0	0	0	0	0	0	0	0	0	0	0	13	15-24	8
20:00	3	0	2	0	0	0	0	0	0	0	0	0	0	0	5	*	2
21:00	1	2	4	0	0	0	0	0	0	0	0	0	0	0	7	16-25	6
22:00	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	14-23	2
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	25	38	52	15	3	0	0	0	0	0	0	0	0	0	133		
Percent	18.8%	28.6%	39.1%	11.3%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	06:00	11:00	06:00	08:00											11:00		
Vol.	1	4	3	3											8		
PM Peak	18:00	17:00	17:00	16:00	16:00										17:00		
Vol.	6	8	8	4	2										20		

Site Code: TRAIL RIDGE
 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
11/01/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	3	19-28	2
07:00	1	0	2	0	0	0	0	0	0	0	0	0	0	0	3	15-24	2
08:00	0	2	6	3	0	0	0	0	0	0	0	0	0	0	11	19-28	9
09:00	1	0	3	2	0	0	0	0	0	0	0	0	0	0	6	20-29	5
10:00	0	1	2	2	1	0	0	0	0	0	0	0	0	0	6	21-30	4
11:00	0	3	1	1	1	0	0	0	0	0	0	0	0	0	6	16-25	4
12 PM	2	3	3	4	1	0	0	0	0	0	0	0	0	0	13	21-30	7
13:00	3	2	4	0	0	0	0	0	0	0	0	0	0	0	9	16-25	6
14:00	2	1	4	0	0	0	0	0	0	0	0	0	0	0	7	16-25	5
15:00	1	3	11	4	1	0	0	0	0	0	0	0	0	0	20	21-30	15
16:00	4	3	3	1	1	0	0	0	0	0	0	0	0	0	12	16-25	6
17:00	1	3	5	1	0	0	0	0	0	0	0	0	0	0	10	16-25	8
18:00	1	1	4	1	0	0	0	0	0	0	0	0	0	0	7	18-27	5
19:00	1	1	5	2	0	0	0	0	0	0	0	0	0	0	9	21-30	7
20:00	0	2	2	2	0	0	0	0	0	0	0	0	0	0	6	15-24	4
21:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	15-24	2
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	14-23	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	18	25	59	24	5	0	0	0	0	0	0	0	0	0	131		
Percent	13.7%	19.1%	45.0%	18.3%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	06:00	11:00	08:00	08:00	10:00										08:00		
Vol.	1	3	6	3	1										11		
PM Peak	16:00	12:00	15:00	12:00	12:00										15:00		
Vol.	4	3	11	4	1										20		

Stats	10 MPH Pace Speed :	16-25 MPH
	Number in Pace :	242
	Percent in Pace :	67.6%
	Number of Vehicles > 25 MPH :	62
	Percent of Vehicles > 25 MPH :	17.3%
	Mean Speed(Average) :	21 MPH

Site Code: TRAIL RIDGE
 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
10/30/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	2	2	3	3	0	0	0	0	0	0	0	0	0	0	10	19-28	6
16:00	2	1	2	3	0	0	0	0	0	0	0	0	0	0	8	20-29	5
17:00	1	3	6	4	1	0	0	0	0	0	0	0	0	0	15	21-30	10
18:00	0	2	5	1	0	0	0	0	0	0	0	0	0	0	8	16-25	7
19:00	1	1	5	0	0	0	0	0	0	0	0	0	0	0	7	16-25	6
20:00	0	0	3	2	0	0	0	0	0	0	0	0	0	0	5	20-29	5
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
22:00	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	19-28	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	6	9	24	14	1	0	0	0	0	0	0	0	0	0	54		
Percent	11.1%	16.7%	44.4%	25.9%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak Vol.																	
PM Peak Vol.	15:00	17:00	17:00	17:00	17:00										17:00		
	2	3	6	4	1										15		

Site Code: TRAIL RIDGE
 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
10/31/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
06:00	0	3	3	5	0	0	0	0	0	0	0	0	0	0	11	20-29	8
07:00	1	5	3	3	0	0	0	0	0	0	0	0	0	0	12	16-25	8
08:00	2	3	7	2	0	0	0	0	0	0	0	0	0	0	14	16-25	10
09:00	1	1	5	2	0	0	0	0	0	0	0	0	0	0	9	21-30	7
10:00	0	2	3	1	0	0	0	0	0	0	0	0	0	0	6	16-25	5
11:00	2	0	2	1	0	0	0	0	0	0	0	0	0	0	5	21-30	3
12 PM	2	2	4	0	0	0	0	0	0	0	0	0	0	0	8	16-25	6
13:00	2	4	1	1	0	0	0	0	0	0	0	0	0	0	8	11-20	5
14:00	1	2	4	3	0	0	0	0	0	0	0	0	0	0	10	19-28	7
15:00	2	3	2	1	0	0	0	0	0	0	0	0	0	0	8	16-25	5
16:00	2	4	2	2	1	0	0	0	0	0	0	0	0	0	11	16-25	6
17:00	1	4	6	1	0	0	0	0	0	0	0	0	0	0	12	16-25	10
18:00	3	4	2	0	0	0	0	0	0	0	0	0	0	0	9	16-25	6
19:00	5	5	2	0	0	0	0	0	0	0	0	0	0	0	12	16-25	7
20:00	1	5	3	2	0	0	0	0	0	0	0	0	0	0	11	16-25	8
21:00	1	2	4	3	0	0	0	0	0	0	0	0	0	0	10	19-28	7
22:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	14-23	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	26	49	54	27	2	0	0	0	0	0	0	0	0	0	158		
Percent	16.5%	31.0%	34.2%	17.1%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	07:00	08:00	06:00											08:00		
Vol.	2	5	7	5											14		
PM Peak	19:00	19:00	17:00	14:00	16:00										17:00		
Vol.	5	5	6	3	1										12		

Site Code: TRAIL RIDGE
 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
11/01/18	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	24-33	1
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	7	1	1	0	0	0	0	0	0	0	0	0	9	21-30	8
07:00	3	2	9	2	0	0	0	0	0	0	0	0	0	0	16	16-25	11
08:00	1	3	4	2	0	0	0	0	0	0	0	0	0	0	10	16-25	7
09:00	0	0	2	1	0	0	0	0	0	0	0	0	0	0	3	19-28	3
10:00	0	1	9	1	0	0	0	0	0	0	0	0	0	0	11	19-28	10
11:00	0	3	3	2	0	0	0	0	0	0	0	0	0	0	8	16-25	6
12 PM	3	2	6	2	0	0	0	0	0	0	0	0	0	0	13	21-30	8
13:00	1	6	0	1	0	0	0	0	0	0	0	0	0	0	8	16-25	6
14:00	0	3	5	1	1	0	0	0	0	0	0	0	0	0	10	16-25	8
15:00	6	2	3	3	0	0	0	0	0	0	0	0	0	0	14	19-28	6
16:00	2	2	2	1	1	0	0	0	0	0	0	0	0	0	8	16-25	4
17:00	2	0	3	1	1	0	0	0	0	0	0	0	0	0	7	21-30	4
18:00	1	2	2	3	0	0	0	0	0	0	0	0	0	0	8	19-28	5
19:00	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5	19-28	4
20:00	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4	16-25	4
21:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	20-29	2
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	19	27	63	25	5	0	0	0	0	0	0	0	0	0	139		
Percent	13.7%	19.4%	45.3%	18.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	07:00	08:00	07:00	07:00	00:00										07:00		
Vol.	3	3	9	2	1										16		
PM Peak	15:00	13:00	12:00	15:00	14:00										15:00		
Vol.	6	6	6	3	1										14		

Stats	10 MPH Pace Speed :	16-25 MPH
	Number in Pace :	268
	Percent in Pace :	64.3%
	Number of Vehicles > 25 MPH :	93
	Percent of Vehicles > 25 MPH :	22.3%
	Mean Speed(Average) :	21 MPH

Site Code: TRAIL RIDGE
 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
10/30/18	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	0	16	5	0	0	0	0	0	0	0	0	0	0	0	21
16:00	0	12	2	0	2	0	0	0	0	0	0	0	0	0	16
17:00	0	16	7	0	1	0	0	0	0	0	0	0	0	0	24
18:00	0	15	5	0	0	0	0	0	0	0	0	0	0	1	21
19:00	0	10	2	0	0	0	0	0	0	0	0	0	0	1	13
20:00	0	7	2	0	0	0	0	0	0	0	0	0	0	0	9
21:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
22:00	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	83	23	0	3	0	0	0	0	0	0	0	0	2	111
Percent	0.0%	74.8%	20.7%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	

AM
Peak
Vol.

PM Peak Vol.	15:00	17:00	16:00	18:00	17:00
	16	7	2	1	24

Site Code: TRAIL RIDGE
 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
11/01/18	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
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	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	7	4	0	1	0	0	0	0	0	0	0	0	0	12
07:00	0	8	6	0	2	0	0	0	0	0	0	0	0	3	19
08:00	0	13	4	0	4	0	0	0	0	0	0	0	0	0	21
09:00	0	5	3	0	1	0	0	0	0	0	0	0	0	0	9
10:00	0	11	1	0	4	0	0	1	0	0	0	0	0	0	17
11:00	0	10	3	0	1	0	0	0	0	0	0	0	0	0	14
12 PM	0	18	5	0	0	0	0	0	0	0	0	0	0	3	26
13:00	0	11	6	0	0	0	0	0	0	0	0	0	0	0	17
14:00	0	10	3	1	2	0	0	0	1	0	0	0	0	0	17
15:00	0	23	6	0	0	1	0	0	1	0	0	0	0	3	34
16:00	2	11	5	0	0	0	0	0	0	0	0	0	0	2	20
17:00	0	11	4	0	0	0	0	0	0	0	0	0	0	2	17
18:00	0	10	4	0	0	0	0	0	0	0	0	0	0	1	15
19:00	0	8	6	0	0	0	0	0	0	0	0	0	0	0	14
20:00	0	9	1	0	0	0	0	0	0	0	0	0	0	0	10
21:00	0	4	0	0	0	0	0	0	0	0	0	0	0	0	4
22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	171	63	1	15	1	0	1	2	0	0	0	0	14	270
Percent	0.7%	63.3%	23.3%	0.4%	5.6%	0.4%	0.0%	0.4%	0.7%	0.0%	0.0%	0.0%	0.0%	5.2%	
AM Peak Vol.		08:00	07:00		08:00			10:00						07:00	08:00
PM Peak Vol.	16:00	15:00	13:00	14:00	14:00	15:00			14:00					12:00	15:00

Site Code: TRAIL RIDGE
 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
11/02/18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
06:00	0	9	2	0	0	0	0	0	0	0	0	0	0	0	11
07:00	0	8	10	1	0	0	0	0	0	0	0	0	0	1	20
08:00	0	20	8	0	2	0	0	0	0	0	0	0	0	0	30
09:00	0	15	3	0	2	0	0	0	0	0	0	0	0	2	22
10:00	0	10	8	0	0	0	0	0	0	0	0	0	0	0	18
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	62	33	1	4	0	0	0	0	0	0	0	0	3	103
Percent	0.0%	60.2%	32.0%	1.0%	3.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	
AM Peak Vol.		08:00	07:00	07:00	08:00									09:00	08:00
PM Peak Vol.		20	10	1	2									2	30
Grand Total Percent	3	522	186	4	30	1	0	1	2	0	0	0	0	26	775
	0.4%	67.4%	24.0%	0.5%	3.9%	0.1%	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	3.4%	



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