

August 16, 2021

SPEED STUDY FOR MARBLE AVENUE NE

NTMP P80500

Task #4



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Speed Study for Marble Avenue NE

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NTP Task #4

August, 2021

Prepared for:



Prepared by:



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INTRODUCTION

This report documents a speed study and traffic operations analysis of Marble Avenue between Stanford Drive and Girard Boulevard in the northeast quadrant of Albuquerque, New Mexico. An analytical speed study requires knowledge of the existing roadway condition, current traffic counts, vehicle travel speeds, and recent crash data. This study's objective was to use the collected data and site observations with guidance from the City of Albuquerque Neighborhood Traffic Management Program (NTMP) to determine if the traffic operations on Marble Avenue meets the threshold criteria for implementation of traffic calming measures.

BACKGROUND

Marble Avenue is a two-lane undivided urban local street running east to west between Summit Drive and Stanford Drive. This project focuses on potential speeding issues on the block of Marble Avenue, between Stanford Drive and Girard Boulevard. Intersections within this segment are four-way with stop control at Girard Boulevard and no stop control at Stanford Drive. Vehicles entering Marble Avenue from Vassar Drive, Princeton Drive, and Columbia Drive are managed via stop-controlled intersections. Figure 1 shows the location of the project area and data collection sights.



Figure 1: Study Area and Traffic Counter Locations

This segment of road provides access to office, educational, community, and residential land uses. Figure 2 shows the surrounding land uses of the project area.



Figure 2: Surrounding Land Uses

Concerned parties have informed the City of Albuquerque about speeding issues on Marble Avenue. As a result, the City has asked Lee Engineering to evaluate traffic operations on Marble Avenue using criteria outlined in the NTMP. The goals of the NTMP are to improve neighborhood traffic safety, preserve neighborhood character and livability, and increase neighborhood involvement. The NTMP details the residents' and neighborhoods' process to alert the City about traffic operation concerns, such as speeding, that traffic-calming measures may mitigate. This study follows the NTMP's guidance for evaluating traffic operations on Marble Avenue and deducing if they meet the criteria to implement appropriate traffic-calming measures.

EXISTING CONDITIONS

The study corridor is an undivided urban local street. The street is free of any road surface markings to delineate traffic lanes or indicate the presence of bicycle lanes. Figures 3 and 4 show the street's current conditions.



Figure 3: Marble Avenue Looking East



Figure 4: Marble Avenue Road Looking West

Marble Avenue is 32-feet-wide with a standard curb and gutter. The north side includes sidewalk that is 4-feet-wide. On the south side of Marble Avenue from Colombia Drive to Vassar Drive the sidewalk is 5-feet wide, while the remainder of the sidewalk on the south side is 4-feet wide. Figure 5 is a schematic of the existing typical section.

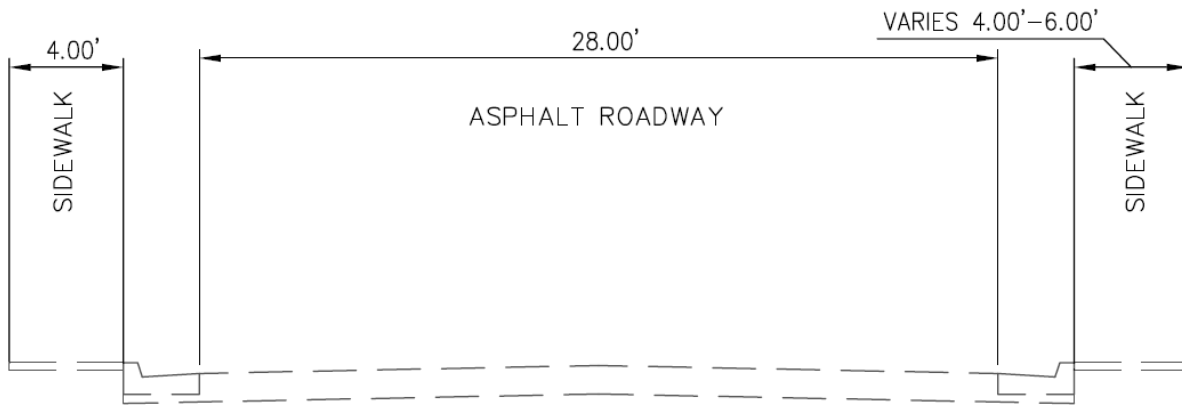


Figure 5: Existing Typical Section Marble Avenue Looking East

TRAFFIC CONDITIONS AND SPEED ANALYSIS

Data from road tube counters yielded the existing traffic volume and moving speeds traveling through the study corridor. Traffic data was collected over 48-hours between July 14, 2021, and July 15, 2021. The Average Daily Traffic (ADT) is 2695. As indicated in Table 1, the average percentage of vehicles observed exceeding the speed limit of 25 miles per hour by 5 and 7 miles per hour were 7% and 3%, respectively.

Table 1: Percentage of Vehicles Exceeding the Speed Limiting by Day and Location

	MPH Over Speed Limit	July 14, 2021	July 15, 2021
East Counter	7	3%	3%
	5	7%	7%
West Counter	7	5%	1%
	5	9%	1%
Average by day	7	4%	3%
	5	8%	6%
Average	7	3%	
	5	7%	

CRASH ANALYSIS

This section summarizes five years of crashes that occurred within the study corridor. Table 2 contains the details of nine crashes between 2015 and 2019. Failed to Yield Right of Way was the main contributing factor for three of the nine crashes. Five of the crashes resulted in property damage only, four in an injury, and none were fatal. Excessive speed was the main contributing factor in none of the crashes. Neither drugs nor alcohol were involved in any of the crashes.

Date	Primary Street	Intersecting Street	Severity	Contributing Factors	Analysis	Correctable w/ Traffic Calming
1/2/2015	GIRARD BLVD NE	MARBLE AVE NE	Property Damage Only Crash	Disregarded Traffic Signal	Other Vehicle - From Opposite Direction/Both Going Straight	No
3/4/2015	GIRARD BLVD NE	MARBLE AVE NE	Injury Crash	Disregarded Traffic Signal	Other Vehicle - Both Going Straight/Entering At Angle	No
6/2/2015	MARBLE AVE NE	VASSAR DR NE	Property Damage Only Crash	Failed to Yield Right of Way	Other Vehicle - Both Going Straight/Entering At Angle	No
8/6/2016	COLUMBIA DR. NE	MARBLE AVE	Property Damage Only Crash	Missing Data	Other Vehicle - From Opposite Direction	No
1/30/2016	GIRARD BLVD NE	MARBLE AVE NE	Injury Crash	None	Other Vehicle - From Same Direction/Both Going Straight	No
10/23/2017	MARBLE AVE NE	VASSAR DR NE	Injury Crash	Disregarded Traffic Signal	Other Vehicle - Both Going Straight/Entering At Angle	No
1/13/2017	GIRARD BLVD NE	MARBLE AVE NE	Property Damage Only Crash	Failed to Yield Right of Way	Other Vehicle - From Opposite Direction	No
8/6/2019	GIRARD BLVD NE	MARBLE AVE NE	Injury Crash	Failed to Yield Right of Way	Other Vehicle - One Left Turn/Entering At Angle	No
9/6/2019	GIRARD BLVD NE	MARBLE AVE NE	Property Damage Only Crash	Passed Stop Sign	Other Vehicle - From Opposite Direction/Both Going Straight	No

Table 2: Crash Summary

NTMP CRITERIA AND ANALYSIS

The NTMP provides a list of criteria thresholds that guided this study's analysis of traffic operations on Marble Avenue. Traffic operations in a study area must meet at least one of the threshold-sets defined in the NTMP to qualify for traffic calming measures to be implemented. The nine threshold sets are listed below:

1. Threshold Set 1: Over a twenty-four-hour period, 15% of the vehicles traveling in the study area exceeded 7 miles per hour over the speed limit.
2. Threshold Set 2: Three reported crashes in a 5-year period where the police report identified speed as either a primary or contributing cause of the crash.
3. Threshold Set 3: A crash involving a pedestrian or cyclist in a school zone in a five-year period.
4. Threshold Set 4: Over a twenty-four-hour period more than 800 vehicles were counted traveling through the study area and 15% of the vehicles traveling in the study area exceeded 5 miles per hour over the speed limit.
5. Threshold Set 5: Over a twenty-four-hour period 15% of the vehicles traveling in the study area exceeded 5 miles per hour over the speed limit and there was at least one reported crash in a 5-year period where the police report identified speed as either a primary or contributing cause of the crash.
6. Threshold Set 6: Over a twenty-four-hour period, 15% of the vehicles traveling in the study area exceeded 5 miles per hour over the speed limit and a field survey conducted by the Traffic Engineering Division determined that 25% of the peak hour traffic was cut-through traffic.
7. Threshold Set 7: Over a twenty-four-hour period, more than 800 vehicles were counted traveling through the study area and there was at least one reported crash in a 5-year period where the police report identified speed as either a primary or contributing cause of the crash.
8. Threshold Set 8: Over a twenty-four-hour period, more than 800 vehicles were counted traveling through the study area and a field survey conducted by the Traffic Engineering Division determined that 25% of the peak hour traffic was cut-through traffic.
9. Threshold Set 9: A field survey conducted by the Traffic Engineering Division determined that 25% of the peak hour traffic was cut-through traffic and there was at least one reported crash in 5 years where the police report identified speed as either a primary or contributing cause.

Seven individual criteria make up the nine threshold sets. The individual criteria and threshold sets are summarized in table 3. Table 3 also indicates the criteria met by the traffic operations on Marble Avenue and which, if any, of the threshold sets qualify the study area for traffic calming mitigation.

RESULTS

ADT on this segment of Marble Avenue does exceed 800 vehicles. From the speed analysis, there is evidence of 0% of vehicles exceeding the speed limit by 5 miles per hour and 0% by 7 miles per hour. Also, speed was not a contributing factor in any of the crashes occurring in the five years of crash data analyzed for this study. Furthermore, the crashes in this corridor did not show potential for being corrected with traffic calming measures. The following table summarizes the results of this study's NTMP analysis for this segment of Marble Avenue NE.

Table 3: NTMP Criteria Evaluation Summary

Threshold Set	Criteria Description	Threshold	Observed	Result
1	Vehicles >7 mph over the speed limit.	15%	3%	Threshold Not Met
2	Crashes where speed was a contributing factor.	3	0	Threshold Not Met
3	A crash involving a pedestrian or cyclist.	1	0	Threshold Not Met
4	Vehicles >5 mph over the speed limit.	15%	7%	Threshold Not Met
	Vehicle volume in study area over 24 hrs.	800	2695	
5	Vehicles >5 mph over the speed limit.	15%	7%	Threshold Not Met
	Crashes where speed was a contributing factor.	1	0	
6	Vehicles >5 mph over the speed limit.	15%	7%	Threshold Not Met
	Percentage of cut-through traffic.	25%		
7	Vehicle volume in study area over 24 hrs.	800	2695	Threshold Not Met
	Crashes where speed was a contributing factor.	1	0	
8	Vehicle volume in study area over 24 hrs.	800	2695	Threshold Not Met
	Percentage of cut-through traffic.	25%		
9	Crashes where speed was a contributing factor.	1	0	Threshold Not Met
	Percentage of cut-through traffic.	25%		

RECOMMENDATIONS

This speed study and traffic operations analysis determined that none of the nine NTMP threshold sets were met on this segment of road. Consequently, Marble Avenue between Stanford Drive and Girard Boulevard does not qualify for traffic calming measures per guidance from the City of Albuquerque's Neighborhood Traffic Management Program.

Appendix A – Traffic Data

Site Code: 2

File Name: Marble & Princeton

Location 1: Marble Ave & Princeton Dr

Date Printed: 7/19/2021

Latitude: 35.091125

Start Date: 7/14/2021

Longitude: -106.615159

End Date: 7/15/2021

GPS Accuracy: 40.5 ft

Location Verified: Yes

Direction: A to B, None Specified

7/14/2021	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	0	1	2	1	1	1	0	0	0	0	0	0	0	6
1:00	0	2	1	0	1	1	0	0	0	0	0	0	0	5
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	2	1	1	0	0	0	0	0	0	0	0	4
4:00	0	0	0	3	2	0	0	0	0	0	0	0	0	5
5:00	0	0	4	6	4	1	0	0	1	0	0	0	0	16
6:00	2	8	9	21	10	5	0	0	0	0	0	0	0	55
7:00	5	21	55	49	16	2	0	0	0	0	0	0	0	148
8:00	14	30	49	48	9	1	0	0	0	0	0	0	0	151
9:00	9	12	30	36	12	2	0	0	0	0	0	0	0	101
10:00	5	16	30	29	13	0	1	0	0	0	0	0	0	94
11:00	18	17	26	17	12	0	2	0	0	0	0	0	0	92
12:00 PM	15	26	41	43	13	4	0	0	0	0	0	0	0	142
1:00	3	22	51	35	14	2	0	0	0	0	0	0	0	127
2:00	5	12	29	21	8	2	0	0	0	0	0	0	0	77
3:00	4	24	26	16	11	2	1	0	0	0	0	0	0	84
4:00	7	24	23	30	8	0	0	0	0	0	0	0	0	92
5:00	5	8	14	13	9	3	0	0	0	0	0	0	0	52
6:00	3	8	11	14	11	4	0	1	0	0	0	0	0	52
7:00	5	2	13	17	10	2	0	0	0	0	0	0	0	49
8:00	1	7	5	7	1	2	0	0	0	0	0	0	0	23
9:00	0	2	1	5	1	2	0	0	0	0	0	0	0	11
10:00	2	3	2	0	4	0	0	0	0	0	0	0	0	11
11:00	1	0	1	3	2	0	0	0	0	0	0	0	0	7
Total	104	245	425	415	173	36	4	1	1	0	0	0	0	1404

Site Code: 2

File Name: Marble & Princeton

Location 1: Marble Ave & Princeton Dr

Date Printed: 7/19/2021

Latitude: 35.091125

Start Date: 7/14/2021

Longitude: -106.615159

End Date: 7/15/2021

GPS Accuracy: 40.5 ft

Location Verified: Yes

Direction: A to B, None Specified

7/15/2021 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	0	0	0	2	0	0	0	0	0	0	0	0	0	2
1:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
2:00	0	0	1	1	0	0	0	0	0	0	0	0	0	2
3:00	0	0	4	2	1	0	0	0	0	0	0	0	0	7
4:00	1	0	0	2	1	0	0	0	0	0	0	0	1	5
5:00	1	0	0	1	1	1	0	0	0	0	0	0	0	4
6:00	3	1	1	0	2	1	1	0	0	0	0	0	0	9
7:00	6	1	2	1	2	1	0	0	0	0	1	0	0	14
8:00	3	2	2	2	4	4	2	0	1	0	0	2	0	22
9:00	5	0	2	1	0	2	0	0	0	0	0	0	2	12
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	2	0	0	0	0	0	0	2
12:00 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	1
1:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:00	2	0	0	0	0	0	0	0	0	0	0	0	0	2
5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	21	4	12	12	12	11	5	0	1	0	1	2	3	84
Grand Total	125	249	437	427	185	47	9	1	2	0	1	2	3	1488
Stats	Percentile		15th	50th	85th	95th								
	Speed		17.1	24.3	30.4	34.3								
Mean Speed (Average)			24.2											
10 MPH Pace Speed			20-29											
Number in Pace			860											
Percent in Pace			57.8%											
Number > 25 MPH			677											
Percent > 25 MPH			45.5%											

Site Code: 2

File Name: Marble & Princeton

Location 1: Marble Ave & Princeton Dr

Date Printed: 7/19/2021

Latitude: 35.091125

Start Date: 7/14/2021

Longitude: -106.615159

End Date: 7/15/2021

GPS Accuracy: 40.5 ft

Location Verified: Yes

Direction: B to A, None Specified

7/14/2021	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	9	0	0	1	0	0	0	0	0	0	0	0	0	10
1:00	5	0	1	0	0	0	0	0	0	0	0	0	0	6
2:00	2	0	2	0	0	0	0	0	0	0	0	0	0	4
3:00	2	0	0	0	0	0	0	0	0	0	0	0	0	2
4:00	6	0	1	0	0	0	0	0	0	0	0	0	0	7
5:00	5	0	0	0	0	0	0	0	0	0	0	0	0	5
6:00	46	6	4	2	0	0	0	0	0	0	0	0	0	58
7:00	19	12	35	12	4	0	0	0	0	0	0	0	0	82
8:00	16	20	35	7	3	0	0	0	0	0	0	0	0	81
9:00	20	18	23	6	1	0	0	0	0	0	0	0	0	68
10:00	18	19	36	10	3	0	0	0	0	0	0	0	0	86
11:00	34	25	37	17	1	0	0	0	0	0	0	0	0	114
12:00 PM	25	22	51	19	3	0	0	0	0	0	0	0	0	120
1:00	11	25	44	13	3	1	0	0	0	0	0	0	0	98
2:00	21	17	29	13	2	0	0	0	0	0	0	0	0	82
3:00	31	15	39	21	1	0	0	0	0	0	0	0	0	107
4:00	9	20	62	35	2	0	0	0	0	0	0	0	0	128
5:00	12	9	30	31	5	0	0	0	0	0	0	0	0	87
6:00	13	8	19	13	2	0	0	0	0	0	0	0	0	55
7:00	12	11	14	10	0	0	0	0	0	0	0	0	0	47
8:00	14	10	24	7	1	0	0	0	0	0	0	0	0	56
9:00	4	4	5	4	0	0	0	0	0	0	0	0	0	17
10:00	6	2	6	2	1	0	0	0	0	0	0	0	0	17
11:00	6	0	1	0	0	0	0	0	0	0	0	0	0	7
Total	346	243	498	223	32	1	0	0	0	0	0	0	0	1344

Site Code: 2

File Name: Marble & Princeton
Date Printed: 7/19/2021
Start Date: 7/14/2021
End Date: 7/15/2021
GPS Accuracy: 40.5 ft
Location Verified: Yes

Location 1: Marble Ave & Princeton Dr
Latitude: 35.091125
Longitude: -106.615159

Direction: B to A, None Specified

7/15/2021 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	3	2	4	2	0	0	0	0	0	0	0	0	0	11
1:00	3	0	1	1	0	0	0	0	0	0	0	0	0	5
2:00	0	2	0	1	0	1	0	0	0	0	0	0	0	4
3:00	1	0	1	1	0	0	0	0	0	0	0	0	0	3
4:00	12	0	1	0	0	0	0	0	0	0	0	0	0	13
5:00	18	0	0	0	0	0	0	0	0	0	0	0	0	18
6:00	105	0	0	0	0	0	0	0	0	0	0	0	0	105
7:00	164	0	0	0	0	0	0	0	0	0	0	0	0	164
8:00	181	0	0	0	0	0	0	0	0	0	0	0	0	181
9:00	186	0	0	0	0	0	0	0	0	0	0	0	0	186
10:00	197	0	0	0	0	0	0	0	0	0	0	0	0	197
11:00	196	0	0	0	0	0	0	0	0	0	0	0	0	196
12:00 PM	259	0	0	0	0	0	0	0	0	0	0	0	0	259
1:00	205	0	0	0	0	0	0	0	0	0	0	0	0	205
2:00	189	0	0	0	0	0	0	0	0	0	0	0	0	189
3:00	203	0	0	0	0	0	0	0	0	0	0	0	0	203
4:00	179	0	0	0	0	0	0	0	0	0	0	0	0	179
5:00	135	0	0	0	0	0	0	0	0	0	0	0	0	135
6:00	101	0	0	0	0	0	0	0	0	0	0	0	0	101
7:00	104	0	0	0	0	0	0	0	0	0	0	0	0	104
8:00	99	0	0	0	0	0	0	0	0	0	0	0	0	99
9:00	34	0	0	0	0	0	0	0	0	0	0	0	0	34
10:00	30	0	0	0	0	0	0	0	0	0	0	0	0	30
11:00	23	0	0	0	0	0	0	0	0	0	0	0	0	23
Total	2627	4	7	5	0	1	0	0	0	0	0	0	0	2644
Grand Total	2973	247	505	228	32	2	0	0	0	0	0	0	1	3988
Stats	Percentile		15th	50th	85th	95th								
	Speed		0	0	21.6	25.9								
	Mean Speed (Average)		11.4											
	10 MPH Pace Speed		1-10											
	Number in Pace		1969											
	Percent in Pace		49.4%											
	Number > 25 MPH		263											
	Percent > 25 MPH		6.6%											

Site Code: 2

File Name: Marble & Princeton

Location 1: Marble Ave & Princeton Dr

Date Printed: 7/19/2021

Latitude: 35.091125

Start Date: 7/14/2021

Longitude: -106.615159

End Date: 7/15/2021

GPS Accuracy: 40.5 ft

Location Verified: Yes

Direction: Combined

7/14/2021 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	9	1	2	2	1	1	0	0	0	0	0	0	0	16
1:00	5	2	2	0	1	1	0	0	0	0	0	0	0	11
2:00	2	0	2	0	0	0	0	0	0	0	0	0	0	4
3:00	2	0	2	1	1	0	0	0	0	0	0	0	0	6
4:00	6	0	1	3	2	0	0	0	0	0	0	0	0	12
5:00	5	0	4	6	4	1	0	0	1	0	0	0	0	21
6:00	48	14	13	23	10	5	0	0	0	0	0	0	0	113
7:00	24	33	90	61	20	2	0	0	0	0	0	0	0	230
8:00	30	50	84	55	12	1	0	0	0	0	0	0	0	232
9:00	29	30	53	42	13	2	0	0	0	0	0	0	0	169
10:00	23	35	66	39	16	0	1	0	0	0	0	0	0	180
11:00	52	42	63	34	13	0	2	0	0	0	0	0	0	206
12:00 PM	40	48	92	62	16	4	0	0	0	0	0	0	0	262
1:00	14	47	95	48	17	3	0	0	0	0	0	0	0	225
2:00	26	29	58	34	10	2	0	0	0	0	0	0	0	159
3:00	35	39	65	37	12	2	1	0	0	0	0	0	0	191
4:00	16	44	85	65	10	0	0	0	0	0	0	0	0	220
5:00	17	17	44	44	14	3	0	0	0	0	0	0	0	139
6:00	16	16	30	27	13	4	0	1	0	0	0	0	0	107
7:00	17	13	27	27	10	2	0	0	0	0	0	0	0	96
8:00	15	17	29	14	2	2	0	0	0	0	0	0	0	79
9:00	4	6	6	9	1	2	0	0	0	0	0	0	0	28
10:00	8	5	8	2	5	0	0	0	0	0	0	0	0	28
11:00	7	0	2	3	2	0	0	0	0	0	0	0	0	14
Total	450	488	923	638	205	37	4	1	1	0	0	0	1	2748

Site Code: 2

File Name: Marble & Princeton

Location 1: Marble Ave & Princeton Dr

Date Printed: 7/19/2021

Latitude: 35.091125

Start Date: 7/14/2021

Longitude: -106.615159

End Date: 7/15/2021

GPS Accuracy: 40.5 ft

Location Verified: Yes

Direction: Combined

7/15/2021 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	3	2	4	4	0	0	0	0	0	0	0	0	0	13
1:00	3	0	1	1	0	1	0	0	0	0	0	0	0	6
2:00	0	2	1	2	0	1	0	0	0	0	0	0	0	6
3:00	1	0	5	3	1	0	0	0	0	0	0	0	0	10
4:00	13	0	1	2	1	0	0	0	0	0	0	0	1	18
5:00	19	0	0	1	1	1	0	0	0	0	0	0	0	22
6:00	108	1	1	0	2	1	1	0	0	0	0	0	0	114
7:00	170	1	2	1	2	1	0	0	0	0	1	0	0	178
8:00	184	2	2	2	4	4	2	0	1	0	0	2	0	203
9:00	191	0	2	1	0	2	0	0	0	0	0	0	2	198
10:00	197	0	0	0	0	0	0	0	0	0	0	0	0	197
11:00	196	0	0	0	0	0	2	0	0	0	0	0	0	198
12:00 PM	259	0	0	0	1	0	0	0	0	0	0	0	0	260
1:00	205	0	0	0	0	1	0	0	0	0	0	0	0	206
2:00	189	0	0	0	0	0	0	0	0	0	0	0	0	189
3:00	203	0	0	0	0	0	0	0	0	0	0	0	0	203
4:00	181	0	0	0	0	0	0	0	0	0	0	0	0	181
5:00	135	0	0	0	0	0	0	0	0	0	0	0	0	135
6:00	101	0	0	0	0	0	0	0	0	0	0	0	0	101
7:00	104	0	0	0	0	0	0	0	0	0	0	0	0	104
8:00	99	0	0	0	0	0	0	0	0	0	0	0	0	99
9:00	34	0	0	0	0	0	0	0	0	0	0	0	0	34
10:00	30	0	0	0	0	0	0	0	0	0	0	0	0	30
11:00	23	0	0	0	0	0	0	0	0	0	0	0	0	23
Total	2648	8	19	17	12	12	5	0	1	0	1	2	3	2728
Grand Total	3098	496	942	655	217	49	9	1	2	0	1	2	4	5476
Stats			Percentile	15th	50th	85th	95th							
			Speed	0	0	25.6	30.1							
			Mean Speed (Average)	14.9										
			10 MPH Pace Speed	1-10										
			Number in Pace	2052										
			Percent in Pace	37.5%										
			Number > 25 MPH	940										
			Percent > 25 MPH	17.2%										

Speed Enforcement Evaluator

Location

Marble Ave & Princeton Dr

GPS

Latitude: 35.091125
Longitude: -106.615159

Analysis Dates

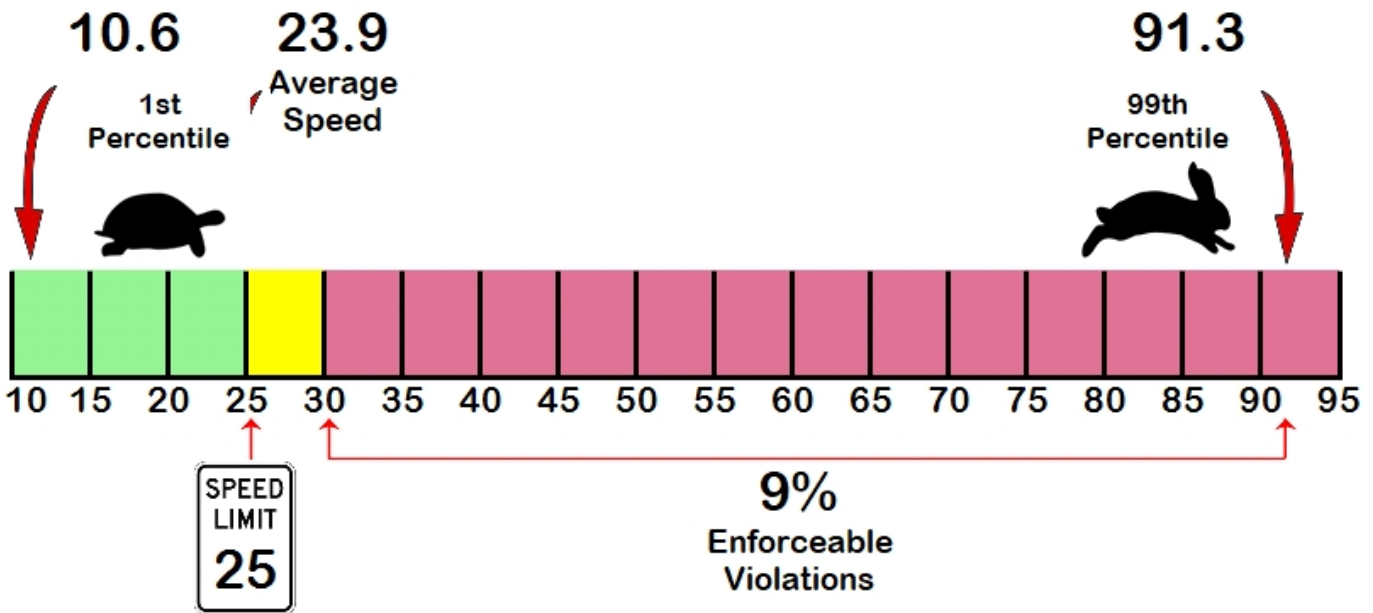
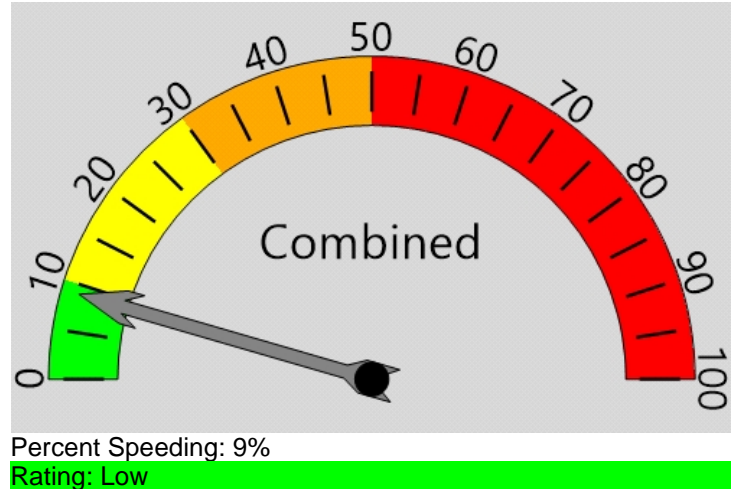
Start: 7/14/2021
End: 7/14/2021

ADT

2757

Total Percentage of Enforceable Violations

Posted Speed Limit 25 MPH
Enforcement Tolerance 5 MPH
Enforcement Limit Greater than 30 MPH



Lee Engineering
Traffic Count Data

Vehicle Totals - Combined

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
312	0	2	6	7	26	48	102	182	253	357	400	329	724
85th Percentile: 32.6													

Vehicle Totals - A to B, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
14	0	2	3	4	20	30	62	104	110	153	174	197	531
85th Percentile: 30.2													

Vehicle Totals - B to A, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
298	0	0	3	3	6	18	40	78	143	204	226	132	193
85th Percentile: 0													

Speed Enforcement Evaluator

Location

Marble Ave & Princeton Dr

GPS

Latitude: 35.091125

Longitude: -106.615159

Analysis Dates

Start: 7/15/2021

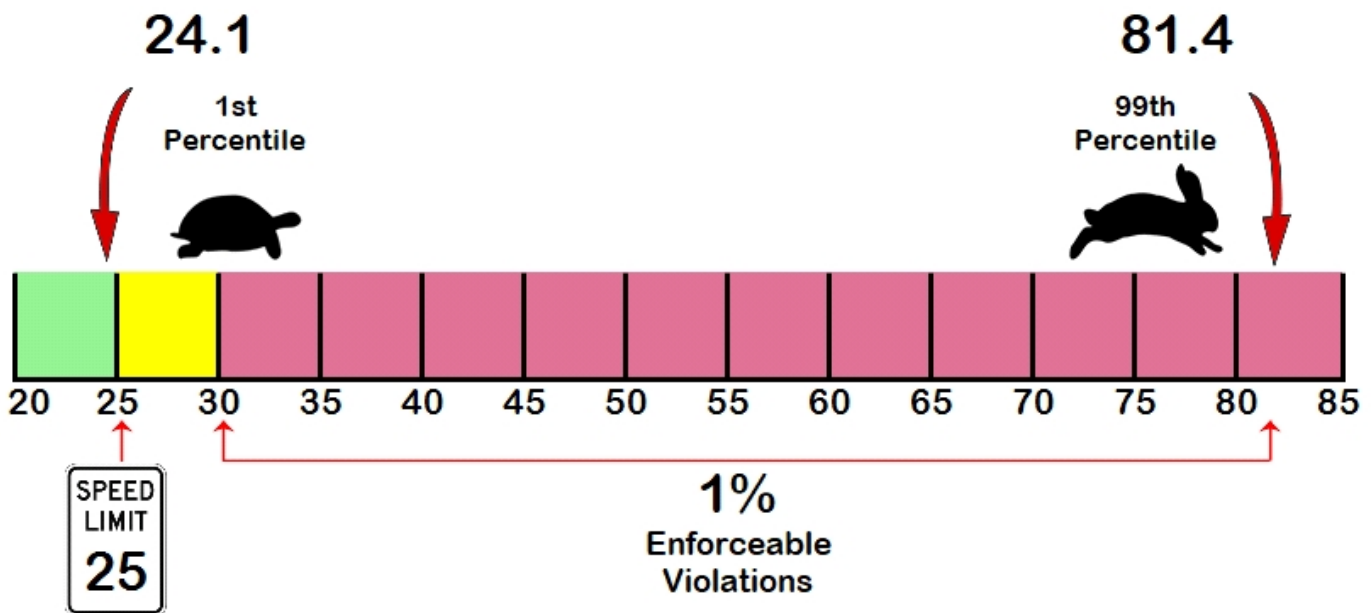
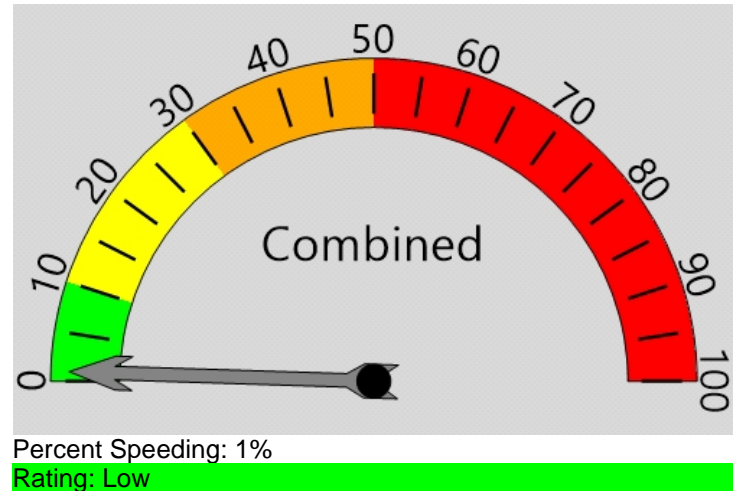
End: 7/15/2021

ADT

2736

Total Percentage of Enforceable Violations

Posted Speed Limit 25 MPH
Enforcement Tolerance 5 MPH
Enforcement Limit Greater than 30 MPH



Lee Engineering
Traffic Count Data

Vehicle Totals - Combined

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
2646	1	0	0	0	0	1	1	2	5	8	7	6	51
85th Percentile: 32.6													

Vehicle Totals - A to B, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
20	0	0	0	0	0	1	1	1	2	6	4	3	46
85th Percentile: 30.2													

Vehicle Totals - B to A, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
2626	1	0	0	0	0	0	0	1	3	2	3	3	5
85th Percentile: 0													

Speed Enforcement Evaluator

Location

Marble Ave & Princeton Dr

GPS

Latitude: 35.091125
Longitude: -106.615159

Analysis Dates

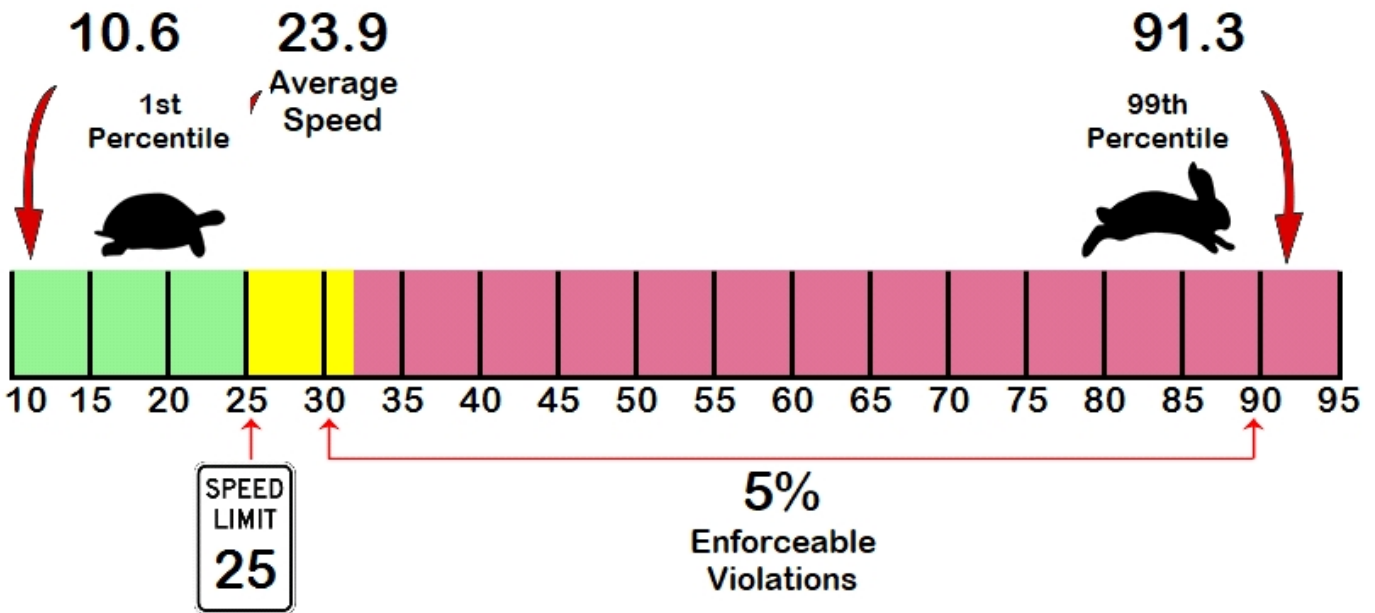
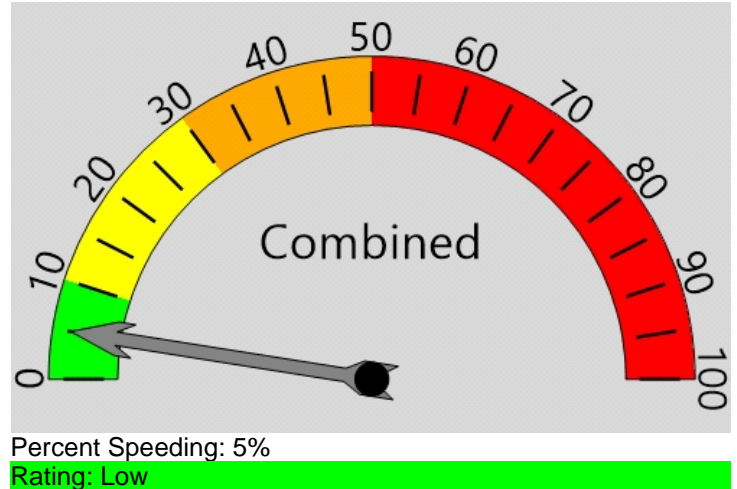
Start: 7/14/2021
End: 7/14/2021

ADT

2757

Total Percentage of Enforceable Violations

Posted Speed Limit 25 MPH
Enforcement Tolerance 7 MPH
Enforcement Limit Greater than 32 MPH



Lee Engineering
Traffic Count Data

Vehicle Totals - Combined

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
312	0	2	6	7	26	48	102	182	253	357	400	329	724
85th Percentile: 32.6													

Vehicle Totals - A to B, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
14	0	2	3	4	20	30	62	104	110	153	174	197	531
85th Percentile: 30.2													

Vehicle Totals - B to A, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
298	0	0	3	3	6	18	40	78	143	204	226	132	193
85th Percentile: 0													

Speed Enforcement Evaluator

Location

Marble Ave & Princeton Dr

Total Percentage of Enforceable Violations

GPS

Latitude: 35.091125
Longitude: -106.615159

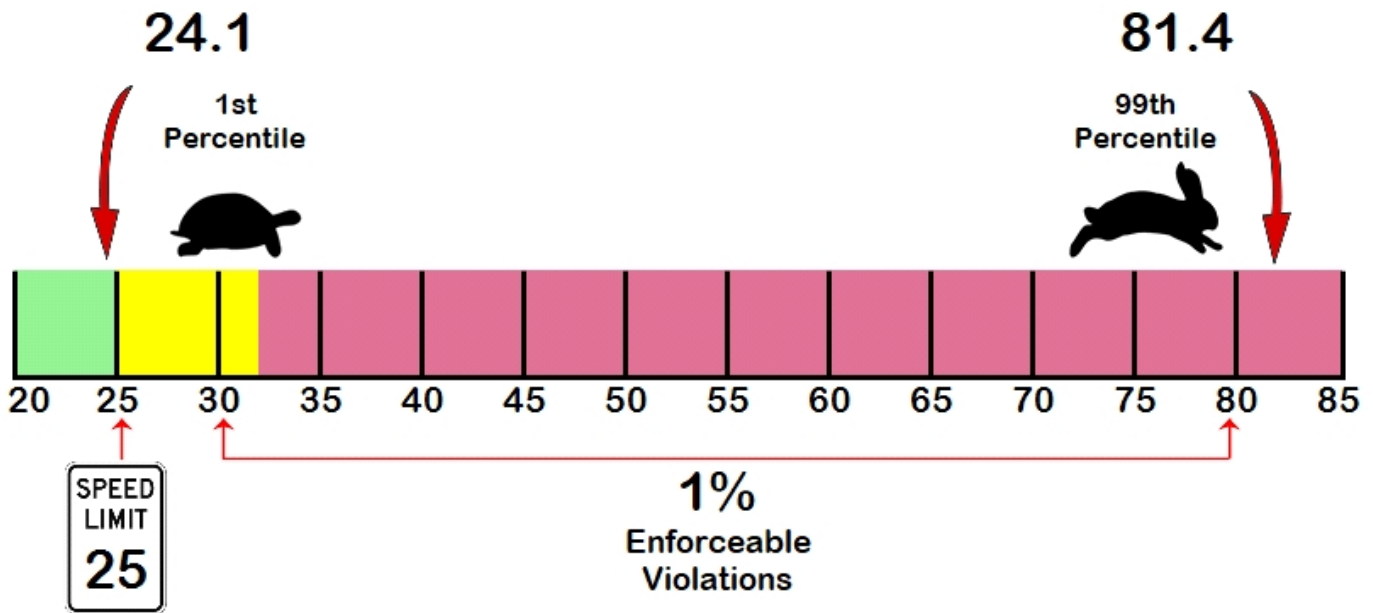
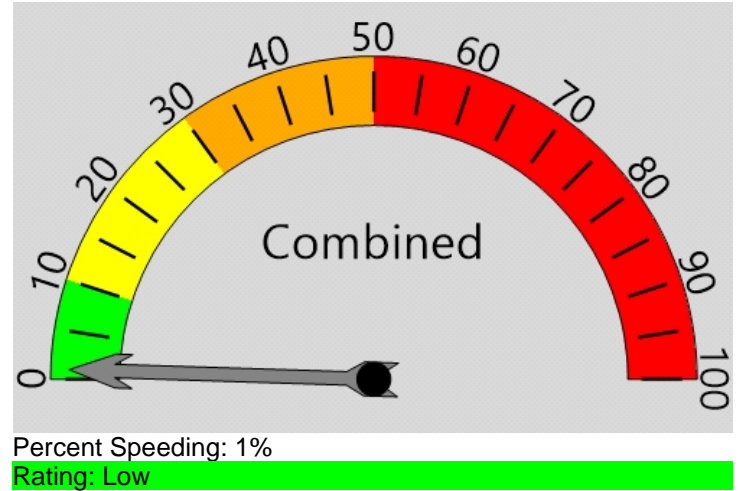
Posted Speed Limit 25 MPH
Enforcement Tolerance 7 MPH
Enforcement Limit Greater than 32 MPH

Analysis Dates

Start: 7/15/2021
End: 7/15/2021

ADT

2736



Lee Engineering
Traffic Count Data

Vehicle Totals - Combined

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
2646	1	0	0	0	0	1	1	2	5	8	7	6	51
85th Percentile: 32.6													

Vehicle Totals - A to B, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
20	0	0	0	0	0	1	1	1	2	6	4	3	46
85th Percentile: 30.2													

Vehicle Totals - B to A, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
2626	1	0	0	0	0	0	0	1	3	2	3	3	5
85th Percentile: 0													

Site Code: 1

File Name: Marble & Colombia
Date Printed: 7/19/2021
Start Date: 7/14/2021
End Date: 7/15/2021
GPS Accuracy: 4281.917 ft
Location Verified: Yes

Location 1: Marble Ave & Colombia Dr
Latitude: 35.091485
Longitude: -106.615916

Direction: A to B, None Specified

7/14/2021	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	1	3	0	1	0	0	0	0	0	0	0	0	0	5
1:00	0	3	0	1	0	0	0	0	0	0	0	0	0	4
2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3:00	1	2	2	1	0	0	0	0	0	0	0	0	0	6
4:00	4	0	2	1	2	0	0	0	0	0	0	0	0	9
5:00	2	2	5	4	1	0	1	0	0	0	0	0	0	15
6:00	9	7	18	12	4	2	0	0	0	0	0	0	0	52
7:00	12	24	35	42	8	0	0	0	0	0	0	0	0	121
8:00	17	24	48	32	10	2	0	0	0	0	0	0	0	133
9:00	7	8	24	26	3	1	0	0	0	0	0	0	0	69
10:00	8	16	29	23	6	1	0	0	0	0	0	0	0	83
11:00	11	12	27	21	9	2	1	0	0	0	0	0	0	83
12:00 PM	21	18	45	26	10	1	0	0	0	0	0	0	0	121
1:00	3	9	33	31	5	1	0	0	0	0	0	0	1	83
2:00	8	11	27	17	4	1	0	0	0	0	0	0	0	68
3:00	5	14	19	22	5	1	0	0	0	0	0	0	0	66
4:00	5	9	27	23	5	0	0	0	0	0	0	0	0	69
5:00	5	6	8	13	11	1	0	0	0	0	0	0	0	44
6:00	0	5	13	17	6	2	0	0	0	0	0	0	0	43
7:00	6	3	16	19	4	0	0	0	0	0	0	0	0	48
8:00	0	3	4	6	2	0	0	0	0	0	0	0	0	15
9:00	1	1	2	3	4	0	0	0	0	0	0	0	0	11
10:00	0	3	3	2	1	0	0	0	0	0	0	0	0	9
11:00	3	2	2	1	0	0	0	0	0	0	0	0	0	8
Total	129	185	389	344	100	15	2	0	0	0	0	0	1	1165

Site Code: 1

File Name: Marble & Colombia

Location 1: Marble Ave & Colombia Dr

Date Printed: 7/19/2021

Latitude: 35.091485

Start Date: 7/14/2021

Longitude: -106.615916

End Date: 7/15/2021

GPS Accuracy: 4281.917 ft

Location Verified: Yes

Direction: A to B, None Specified

7/15/2021 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	1	0	1	1	0	0	0	0	0	0	0	0	0	3
1:00	1	1	0	0	0	0	0	0	0	0	0	0	0	2
2:00	1	1	1	0	0	0	0	0	0	0	0	0	0	3
3:00	1	1	4	1	1	0	0	0	0	0	0	0	0	8
4:00	0	0	1	6	1	0	0	0	0	0	0	0	0	8
5:00	1	2	5	2	4	0	0	0	0	0	0	0	0	14
6:00	5	11	22	19	1	1	0	0	0	0	0	0	0	59
7:00	16	11	28	26	11	0	1	0	0	0	0	0	0	93
8:00	17	13	40	37	18	0	0	0	0	0	0	0	0	125
9:00	16	15	25	30	9	2	0	1	0	0	0	0	0	98
10:00	2	13	32	24	11	0	0	0	0	0	0	0	0	82
11:00	5	17	39	21	6	0	0	0	0	0	0	0	0	88
12:00 PM	11	15	38	40	13	0	0	0	0	0	0	0	0	117
1:00	9	19	23	25	9	0	1	0	0	0	0	0	0	86
2:00	4	6	27	17	7	1	0	0	0	0	0	0	0	62
3:00	4	8	22	17	5	1	0	0	0	0	0	0	0	57
4:00	2	11	13	21	4	4	1	0	0	0	0	0	0	56
5:00	9	6	14	15	4	0	0	0	0	0	0	0	0	48
6:00	2	4	16	11	5	2	1	0	0	0	0	0	0	41
7:00	4	10	15	20	6	0	0	0	0	0	0	0	0	55
8:00	6	3	11	10	1	0	0	0	0	0	0	0	0	31
9:00	2	1	5	5	1	0	0	0	0	0	0	0	0	14
10:00	0	1	5	5	3	0	0	0	0	0	0	0	0	14
11:00	0	3	1	1	2	1	0	0	0	0	0	0	0	8
Total	119	172	388	354	122	12	4	1	0	0	0	0	0	1172
Grand Total	248	357	777	698	222	27	6	1	0	0	0	0	1	2337
Stats			Percentile	15th	50th	85th	95th							
			Speed	17	23.8	28.8	32.1							
			Mean Speed (Average)	22.9										
			10 MPH Pace Speed	20-29										
			Number in Pace	1468										
			Percent in Pace	62.8%										
			Number > 25 MPH	955										
			Percent > 25 MPH	40.9%										

Site Code: 1

File Name: Marble & Colombia

Location 1: Marble Ave & Colombia Dr

Date Printed: 7/19/2021

Latitude: 35.091485

Start Date: 7/14/2021

Longitude: -106.615916

End Date: 7/15/2021

GPS Accuracy: 4281.917 ft

Location Verified: Yes

Direction: B to A, None Specified

7/14/2021	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	8	1	1	1	2	0	0	0	0	0	0	0	0	13
1:00	2	3	3	1	0	0	0	0	0	0	0	0	0	9
2:00	2	0	1	1	1	0	0	0	0	0	0	0	0	5
3:00	4	2	1	0	0	0	0	0	0	0	0	0	0	7
4:00	2	0	2	2	0	0	0	0	0	0	0	0	0	6
5:00	5	1	2	2	1	0	0	0	0	0	0	0	0	11
6:00	18	13	24	3	0	0	0	0	0	0	0	0	0	58
7:00	17	16	37	13	6	1	0	0	0	0	0	0	0	90
8:00	22	26	34	17	3	1	0	0	0	0	0	0	0	103
9:00	16	16	27	9	1	0	0	0	0	0	0	0	0	69
10:00	22	16	35	18	2	0	0	0	0	0	0	0	0	93
11:00	22	23	44	21	1	0	0	0	0	0	0	0	0	111
12:00 PM	26	23	48	30	1	0	0	0	0	0	0	0	0	128
1:00	18	25	46	16	3	0	0	0	0	0	0	0	0	108
2:00	17	20	28	22	4	0	0	0	0	0	0	0	0	91
3:00	21	20	40	29	9	0	0	0	0	0	0	0	0	119
4:00	29	21	50	33	6	0	0	0	0	0	0	0	0	139
5:00	17	11	26	29	11	1	0	0	0	0	0	0	0	95
6:00	16	4	14	21	6	0	0	0	0	0	0	0	0	61
7:00	10	8	14	11	3	0	0	0	0	0	0	0	0	46
8:00	7	12	28	15	2	0	0	0	0	0	0	0	0	64
9:00	2	3	5	6	2	0	0	0	0	0	0	0	0	18
10:00	1	4	4	4	0	0	0	0	0	0	0	0	0	13
11:00	2	1	2	0	1	0	0	0	0	0	0	0	0	6
Total	306	269	516	304	65	3	0	0	0	0	0	0	0	1463

Site Code: 1

File Name: Marble & Colombia

Location 1: Marble Ave & Colombia Dr

Date Printed: 7/19/2021

Latitude: 35.091485

Start Date: 7/14/2021

Longitude: -106.615916

End Date: 7/15/2021

GPS Accuracy: 4281.917 ft

Location Verified: Yes

Direction: B to A, None Specified

7/15/2021 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	4	5	1	2	1	0	0	0	0	0	0	0	0	13
1:00	3	2	1	2	0	0	0	0	0	0	0	0	0	8
2:00	3	2	0	0	1	0	0	0	0	0	0	0	0	6
3:00	1	1	0	0	0	0	0	0	0	0	0	0	0	2
4:00	1	2	3	4	0	0	0	0	0	0	0	0	0	10
5:00	6	1	3	2	0	0	0	0	0	0	0	0	0	12
6:00	15	17	24	11	5	0	0	0	0	0	0	0	0	72
7:00	18	16	27	13	0	0	0	0	0	0	0	0	0	74
8:00	9	12	33	14	2	0	0	0	0	0	0	0	0	70
9:00	19	22	29	16	0	0	0	0	0	0	0	0	0	86
10:00	20	18	38	19	5	0	0	0	0	0	0	0	0	100
11:00	28	17	37	29	4	0	0	0	0	0	0	0	0	115
12:00 PM	22	20	48	36	8	0	0	0	0	0	0	0	0	134
1:00	26	14	31	31	1	0	0	0	0	0	0	0	0	103
2:00	15	24	46	40	3	0	0	0	0	0	0	0	0	128
3:00	15	14	47	37	7	0	0	0	0	0	0	0	0	120
4:00	23	12	35	24	8	0	0	0	0	0	0	0	0	102
5:00	28	8	35	33	5	1	0	0	0	0	0	0	0	110
6:00	11	7	21	18	1	0	0	0	0	0	0	0	0	58
7:00	13	5	13	12	2	0	0	0	0	0	0	0	0	45
8:00	10	9	34	12	0	1	0	0	0	0	0	0	0	66
9:00	2	5	4	8	1	0	0	0	0	0	0	0	0	20
10:00	0	1	5	2	2	0	0	0	0	0	0	0	0	10
11:00	6	1	6	1	0	0	0	0	0	0	0	0	0	14
Total	298	235	521	366	56	2	0	0	0	0	0	0	0	1478
Grand Total	604	504	1037	670	121	5	0	0	0	0	0	0	0	2941
Stats			Percentile	15th	50th	85th	95th							
			Speed	13	21.9	26.8	29.6							
			Mean Speed (Average)	20.2										
			10 MPH Pace Speed	20-29										
			Number in Pace	1704										
			Percent in Pace	57.9%										
			Number > 25 MPH	796										
			Percent > 25 MPH	27.1%										

Site Code: 1

File Name: Marble & Colombia

Location 1: Marble Ave & Colombia Dr

Date Printed: 7/19/2021

Latitude: 35.091485

Start Date: 7/14/2021

Longitude: -106.615916

End Date: 7/15/2021

GPS Accuracy: 4281.917 ft

Location Verified: Yes

Direction: Combined

7/14/2021	0 - 15	> 15 -	> 20 -	> 25 -	> 30 -	> 35 -	> 40 -	> 45 -	> 50 -	> 55 -	> 60 -	> 65 -	> 70	Total
Time	MPH	20 MPH	25 MPH	30 MPH	35 MPH	40 MPH	45 MPH	50 MPH	55 MPH	60 MPH	65 MPH	70 MPH	MPH	
12:00 AM	9	4	1	2	2	0	0	0	0	0	0	0	0	18
1:00	2	6	3	2	0	0	0	0	0	0	0	0	0	13
2:00	2	0	1	1	1	0	0	0	0	0	0	0	0	5
3:00	5	4	3	1	0	0	0	0	0	0	0	0	0	13
4:00	6	0	4	3	2	0	0	0	0	0	0	0	0	15
5:00	7	3	7	6	2	0	1	0	0	0	0	0	0	26
6:00	27	20	42	15	4	2	0	0	0	0	0	0	0	110
7:00	29	40	72	55	14	1	0	0	0	0	0	0	0	211
8:00	39	50	82	49	13	3	0	0	0	0	0	0	0	236
9:00	23	24	51	35	4	1	0	0	0	0	0	0	0	138
10:00	30	32	64	41	8	1	0	0	0	0	0	0	0	176
11:00	33	35	71	42	10	2	1	0	0	0	0	0	0	194
12:00 PM	47	41	93	56	11	1	0	0	0	0	0	0	0	249
1:00	21	34	79	47	8	1	0	0	0	0	0	0	0	191
2:00	25	31	55	39	8	1	0	0	0	0	0	0	0	159
3:00	26	34	59	51	14	1	0	0	0	0	0	0	0	185
4:00	34	30	77	56	11	0	0	0	0	0	0	0	0	208
5:00	22	17	34	42	22	2	0	0	0	0	0	0	0	139
6:00	16	9	27	38	12	2	0	0	0	0	0	0	0	104
7:00	16	11	30	30	7	0	0	0	0	0	0	0	0	94
8:00	7	15	32	21	4	0	0	0	0	0	0	0	0	79
9:00	3	4	7	9	6	0	0	0	0	0	0	0	0	29
10:00	1	7	7	6	1	0	0	0	0	0	0	0	0	22
11:00	5	3	4	1	1	0	0	0	0	0	0	0	0	14
Total	435	454	905	648	165	18	2	0	0	0	0	0	1	2628

Site Code: 1

File Name: Marble & Colombia

Location 1: Marble Ave & Colombia Dr

Date Printed: 7/19/2021

Latitude: 35.091485

Start Date: 7/14/2021

Longitude: -106.615916

End Date: 7/15/2021

GPS Accuracy: 4281.917 ft

Location Verified: Yes

Direction: Combined

7/15/2021 Time	0 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 - 40 MPH	> 40 - 45 MPH	> 45 - 50 MPH	> 50 - 55 MPH	> 55 - 60 MPH	> 60 - 65 MPH	> 65 - 70 MPH	> 70 MPH	Total
12:00 AM	5	5	2	3	1	0	0	0	0	0	0	0	0	16
1:00	4	3	1	2	0	0	0	0	0	0	0	0	0	10
2:00	4	3	1	0	1	0	0	0	0	0	0	0	0	9
3:00	2	2	4	1	1	0	0	0	0	0	0	0	0	10
4:00	1	2	4	10	1	0	0	0	0	0	0	0	0	18
5:00	7	3	8	4	4	0	0	0	0	0	0	0	0	26
6:00	20	28	46	30	6	1	0	0	0	0	0	0	0	131
7:00	34	27	55	39	11	0	1	0	0	0	0	0	0	167
8:00	26	25	73	51	20	0	0	0	0	0	0	0	0	195
9:00	35	37	54	46	9	2	0	1	0	0	0	0	0	184
10:00	22	31	70	43	16	0	0	0	0	0	0	0	0	182
11:00	33	34	76	50	10	0	0	0	0	0	0	0	0	203
12:00 PM	33	35	86	76	21	0	0	0	0	0	0	0	0	251
1:00	35	33	54	56	10	0	1	0	0	0	0	0	0	189
2:00	19	30	73	57	10	1	0	0	0	0	0	0	0	190
3:00	19	22	69	54	12	1	0	0	0	0	0	0	0	177
4:00	25	23	48	45	12	4	1	0	0	0	0	0	0	158
5:00	37	14	49	48	9	1	0	0	0	0	0	0	0	158
6:00	13	11	37	29	6	2	1	0	0	0	0	0	0	99
7:00	17	15	28	32	8	0	0	0	0	0	0	0	0	100
8:00	16	12	45	22	1	1	0	0	0	0	0	0	0	97
9:00	4	6	9	13	2	0	0	0	0	0	0	0	0	34
10:00	0	2	10	7	5	0	0	0	0	0	0	0	0	24
11:00	6	4	7	2	2	1	0	0	0	0	0	0	0	22
Total	417	407	909	720	178	14	4	1	0	0	0	0	0	2650
Grand Total	852	861	1814	1368	343	32	6	1	0	0	0	0	1	5278
Stats			Percentile	15th	50th	85th	95th							
			Speed	14.4	22.7	27.7	31							
		Mean Speed (Average)		21.4										
		10 MPH Pace Speed		20-29										
		Number in Pace		3172										
		Percent in Pace		60.1%										
		Number > 25 MPH		1751										
		Percent > 25 MPH		33.2%										

Speed Enforcement Evaluator

Location

Marble Ave & Colombia Dr

GPS

Latitude: 35.091485
Longitude: -106.615916

Analysis Dates

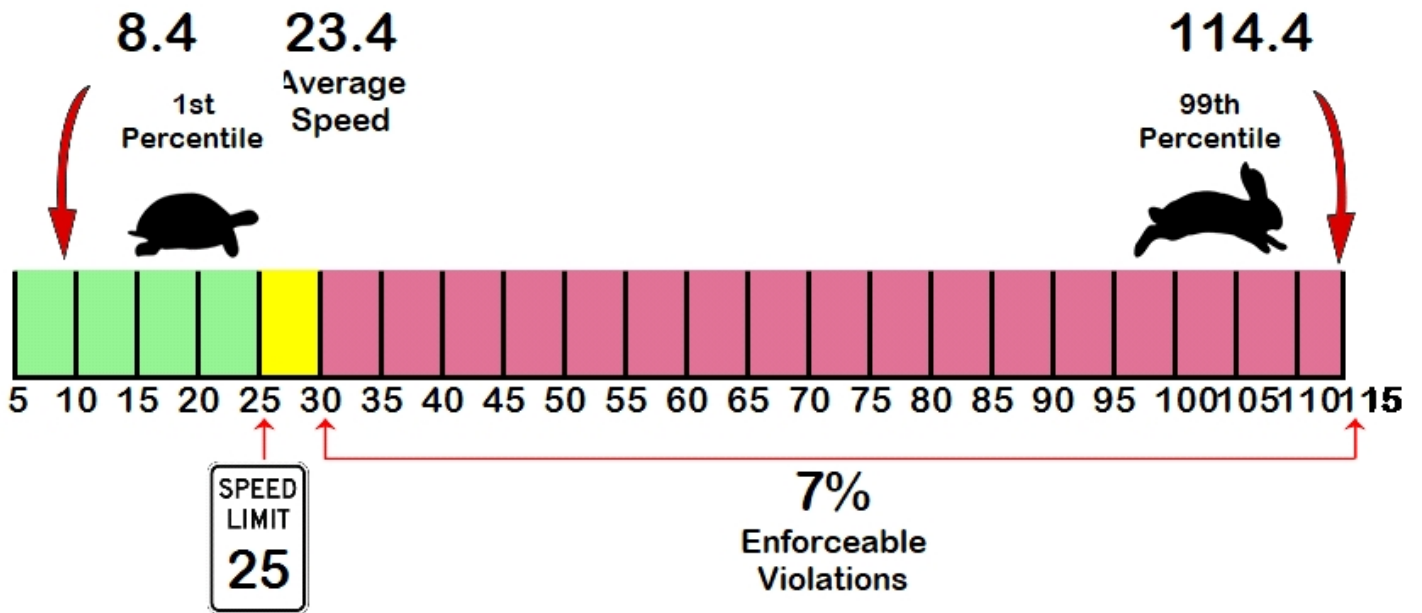
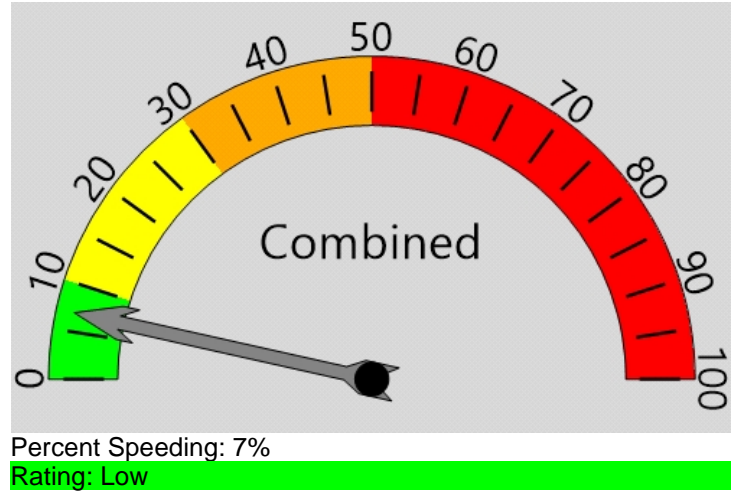
Start: 7/14/2021
End: 7/14/2021

ADT

2632

Total Percentage of Enforceable Violations

Posted Speed Limit 25 MPH
Enforcement Tolerance 5 MPH
Enforcement Limit Greater than 30 MPH



Lee Engineering
Traffic Count Data

Vehicle Totals - Combined

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
167	1	4	14	25	53	109	122	159	235	314	378	398	649
85th Percentile: 29.2													

Vehicle Totals - A to B, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
32	1	1	8	11	18	39	37	69	98	132	159	185	375
85th Percentile: 29.2													

Vehicle Totals - B to A, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
135	0	3	6	14	35	70	85	90	137	182	219	213	274
85th Percentile: 29.1													

Speed Enforcement Evaluator

Location

Marble Ave & Colombia Dr

GPS

Latitude: 35.091485
Longitude: -106.615916

Analysis Dates

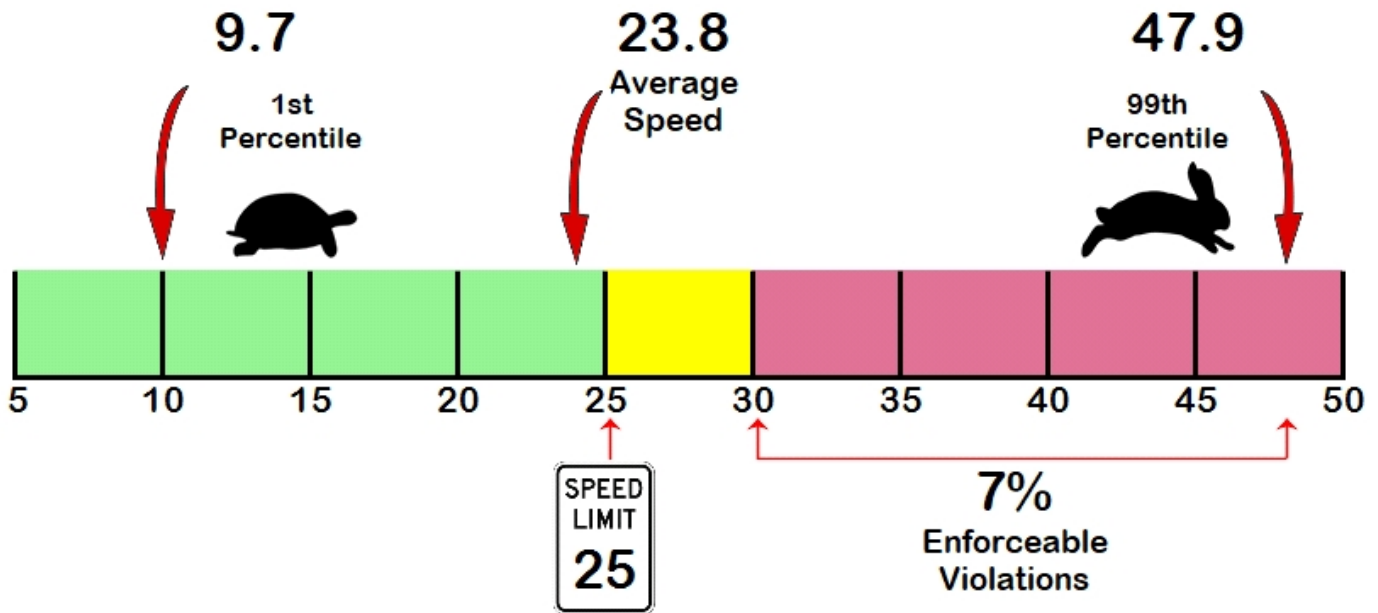
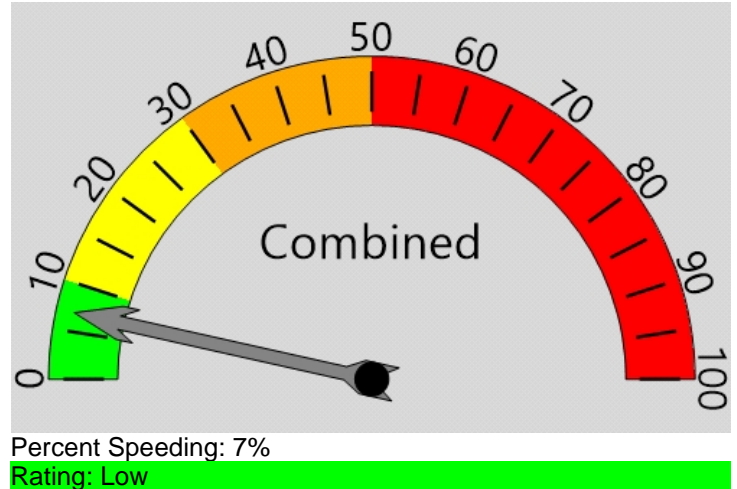
Start: 7/15/2021
End: 7/15/2021

ADT

2654

Total Percentage of Enforceable Violations

Posted Speed Limit 25 MPH
Enforcement Tolerance 5 MPH
Enforcement Limit Greater than 30 MPH



Lee Engineering
Traffic Count Data

Vehicle Totals - Combined

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
170	0	3	9	14	45	110	117	145	211	300	389	422	715
85th Percentile: 29.6													

Vehicle Totals - A to B, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
33	0	1	6	10	10	38	36	63	94	125	172	183	401
85th Percentile: 29.7													

Vehicle Totals - B to A, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
137	0	2	3	4	35	72	81	82	117	175	217	239	314
85th Percentile: 29.3													

Speed Enforcement Evaluator

Location

Marble Ave & Colombia Dr

GPS

Latitude: 35.091485
Longitude: -106.615916

Analysis Dates

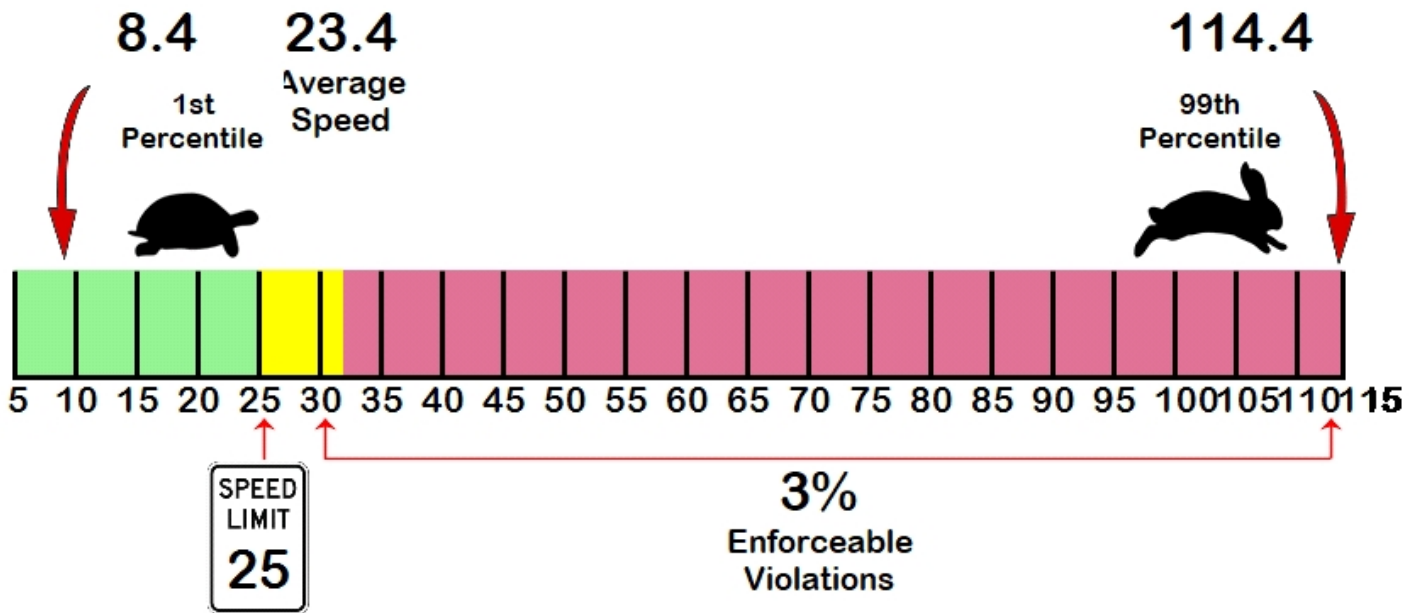
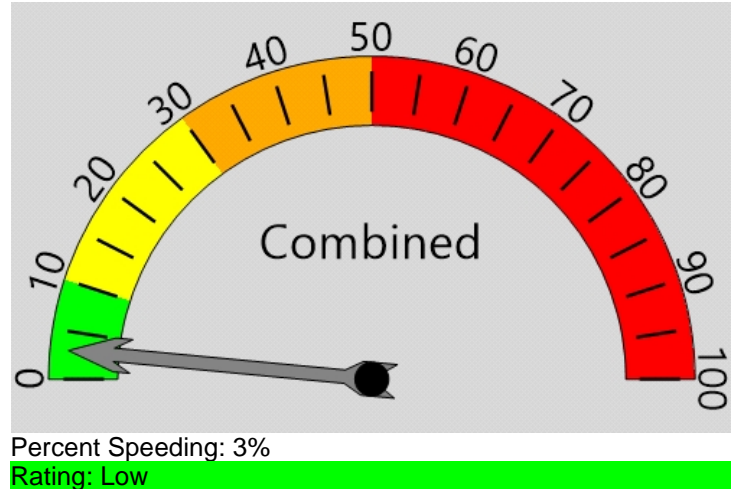
Start: 7/14/2021
End: 7/14/2021

ADT

2632

Total Percentage of Enforceable Violations

Posted Speed Limit 25 MPH
Enforcement Tolerance 7 MPH
Enforcement Limit Greater than 32 MPH



Lee Engineering
Traffic Count Data

Vehicle Totals - Combined

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
167	1	4	14	25	53	109	122	159	235	314	378	398	649
85th Percentile: 29.2													

Vehicle Totals - A to B, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
32	1	1	8	11	18	39	37	69	98	132	159	185	375
85th Percentile: 29.2													

Vehicle Totals - B to A, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
135	0	3	6	14	35	70	85	90	137	182	219	213	274
85th Percentile: 29.1													

Speed Enforcement Evaluator

Location

Marble Ave & Colombia Dr

GPS

Latitude: 35.091485
Longitude: -106.615916

Analysis Dates

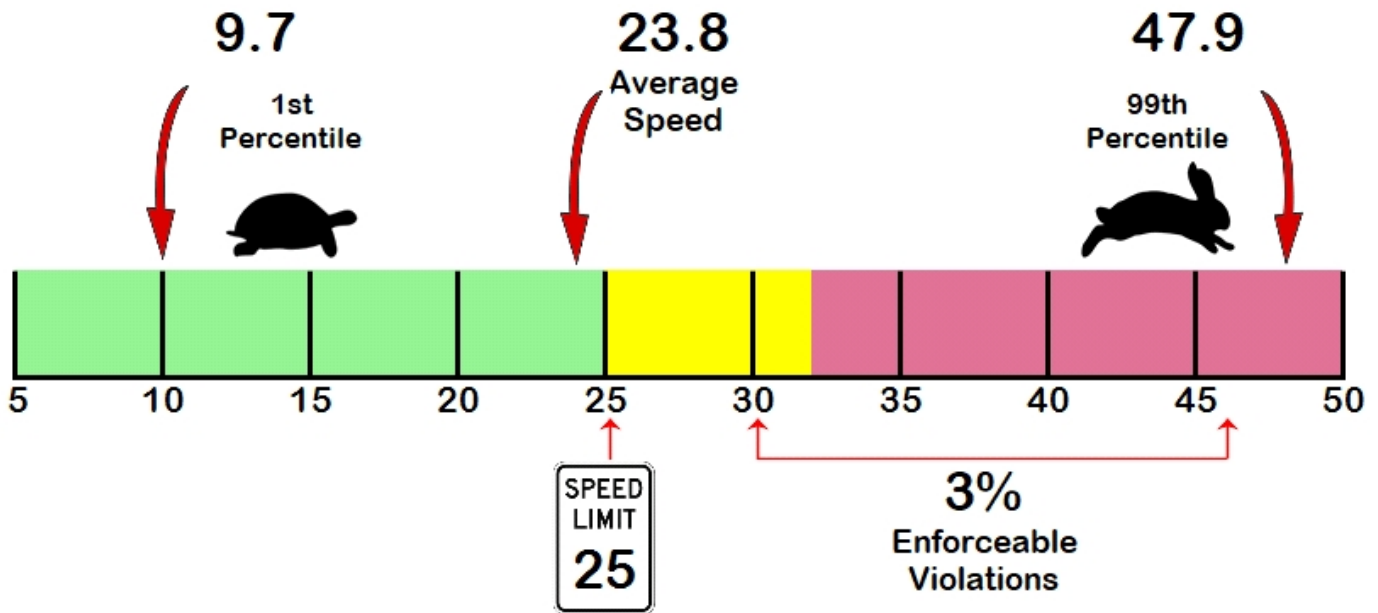
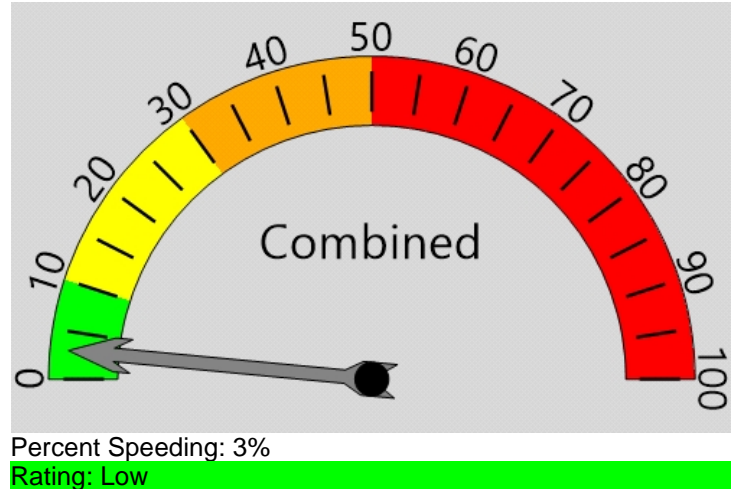
Start: 7/15/2021
End: 7/15/2021

ADT

2654

Total Percentage of Enforceable Violations

Posted Speed Limit 25 MPH
Enforcement Tolerance 7 MPH
Enforcement Limit Greater than 32 MPH



Lee Engineering
Traffic Count Data

Vehicle Totals - Combined

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
170	0	3	9	14	45	110	117	145	211	300	389	422	715
85th Percentile: 29.6													

Vehicle Totals - A to B, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
33	0	1	6	10	10	38	36	63	94	125	172	183	401
85th Percentile: 29.7													

Vehicle Totals - B to A, None Specified

<= 2	<= 4	<= 6	<= 8	<= 10	<= 12	<= 14	<= 16	<= 18	<= 20	<= 22	<= 24	<= 26	> 26
137	0	2	3	4	35	72	81	82	117	175	217	239	314
85th Percentile: 29.3													

Appendix B – Crash Reports

	REPORT	DATE	YEAR	Month	DOW	Time	Hour	City	County	Agency
1	710205245	1/2/2015	2015	1	Friday	1608	1600	ALBUQUERQUE	BERNALILLO	ALBUQUERQUE POLICE DEPARTMENT
2	710212896	3/4/2015	2015	3	Wednesday	725	700	ALBUQUERQUE	BERNALILLO	ALBUQUERQUE POLICE DEPARTMENT
3	710256317	6/2/2015	2015	6	Tuesday	1743	1700	ALBUQUERQUE	BERNALILLO	ALBUQUERQUE POLICE DEPARTMENT
4	710262663	42588	2016	8	Saturday	1041	1000	ALBUQUERQUE	BERNALILLO	ALBUQUERQUE POLICE DEPARTMENT
5	23423524	42399	2016	1	Saturday	1615	1600	ALBUQUERQUE	BERNALILLO	ALBUQUERQUE POLICE DEPARTMENT
6	710406710	43031	2017	10	Monday	1628	1600	ALBUQUERQUE	BERNALILLO	ALBUQUERQUE POLICE DEPARTMENT
7	23453131	42748	2017	1	Friday	800	800	ALBUQUERQUE	BERNALILLO	STATION REPORT
8	710552844	43683	2019	8	Friday	1352	1300	ALBUQUERQUE	BERNALILLO	ALBUQUERQUE POLICE DEPARTMENT
9	710574547	43714	2019	9	Friday	2424	2400	ALBUQUERQUE	BERNALILLO	ALBUQUERQUE POLICE DEPARTMENT

	REPORT	AStreet	BStreet	Route	Landmark	Severity	Severity2
1	710205245	GIRARD BLVD NE	MARBLE AVE NE			Property Damage Only Crash	Property Damage Only Crash
2	710212896	GIRARD BLVD NE	MARBLE AVE NE			Injury Crash	Incapacitating Injury
3	710256317	MARBLE AVE NE	VASSAR DR NE			Property Damage Only Crash	Property Damage Only Crash
4	710262663	COLUMBIA DR. NE	MARBLE AVE			Property Damage Only Crash	Property Damage Only Crash
5	23423524	GIRARD BLVD NE	MARBLE AVE NE			Injury Crash	Injury Crash
6	710406710	MARBLE AVE NE	VASSAR DR NE			Injury Crash	Injury Crash
7	23453131	GIRARD BLVD NE	MARBLE AVE NE			Property Damage Only Crash	Property Damage Only Crash
8	710552844	GIRARD BLVD NE	MARBLE AVE NE			Injury Crash	Injury Crash
9	710574547	GIRARD BLVD NE	MARBLE AVE NE			Property Damage Only Crash	Property Damage Only Crash

	REPORT	TopCFacc	Class	Analysis	HitRun
1	710205245	Disregarded Traffic Signal	Other Vehicle	Other Vehicle - From Opposite Direction/Both Going Straight	Yes
2	710212896	Disregarded Traffic Signal	Other Vehicle	Other Vehicle - Both Going Straight/Entering At Angle	No
3	710256317	Failed to Yield Right of Way	Other Vehicle	Other Vehicle - Both Going Straight/Entering At Angle	No
4	710262663	Missing Data	Other Vehicle	Other Vehicle - From Opposite Direction	No
5	23423524	None	Other Vehicle	Other Vehicle - From Same Direction/Both Going Straight	Yes
6	710406710	Disregarded Traffic Signal	Other Vehicle	Other Vehicle - Both Going Straight/Entering At Angle	No
7	23453131	Failed to Yield Right of Way	Other Vehicle	Other Vehicle - From Opposite Direction	No
8	710552844	Failed to Yield Right of Way	Other Vehicle	Other Vehicle - One Left Turn/Entering At Angle	
9	710574547	Passed Stop Sign	Other Vehicle	Other Vehicle - From Opposite Direction/Both Going Straight	

	REPORT	Alcinv	Druginv	PEDinv	MCinv	PECinv	TRKinv	HZinv	Killed	ClassA	ClassB
1	710205245	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	0	0	0
2	710212896	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	0	2	0
3	710256317	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	0	0	0
4	710262663	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	0	0	0
5	23423524	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	0	0	0
6	710406710	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	0	0	0
7	23453131	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	0	0	0
8	710552844	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	0	0	0
9	710574547	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	Not Involved	0	0	0

	REPORT	ClassC	Injured	Unhurt	Total	nVeh	MotorVeh	Motorists	NonMotoris	CrashDIR	Weather	Light	RDChar
1	710205245	0	0	2	2	2	2	2	0	North	Clear	Daylight	Straight
2	710212896	0	2	1	3	2	2	3	0	North	Clear	Daylight	Straight
3	710256317	0	0	2	2	2	2	2	0	East	Left Blank	Left Blank	Left Blank
4	710262663	0	0	2	2	2	2	2	0	South	Clear	Daylight	Left Blank
5	23423524	1	1	3	4	1	1	4	0	South	Clear	Daylight	Straight
6	710406710	1	1	1	2	2	2	2	0	East	Clear	Daylight	Straight
7	23453131	0	0	2	2	2	2	2	0	South	Clear	Daylight	Straight
8	710552844	1	1	1	2	2	2	2	0	South	Clear	Daylight	Straight
9	710574547	0	0	3	3	2	2	3	0	North	Clear	Dark-Lighted	Straight

	REPORT	RDGrade	MaxDam	CrashOcc	NonLocal	V1TYPE	V1AGE	V1SEX	V1TOPCF
1	710205245	Level	Appearance	On Roadway	Local Drivers	Passenger Vehicle	52	Male	Other - No Driver Error
2	710212896	Level	Disabling	On Roadway	Local Drivers	Passenger Vehicle	61	Female	None
3	710256317	Left Blank	Appearance	On Roadway	Local Drivers	Passenger Vehicle	22	Male	Missing Data
4	710262663	Left Blank	Appearance	On Roadway	Local Drivers	Van/SUV	0	Male	Excessive Speed
5	23423524	Level	Appearance	On Roadway	Local Drivers	Passenger Vehicle	26	Female	Missing Data
6	710406710	Level	Disabling	On Roadway	Local Drivers	Pickup	29	Female	None
7	23453131	Level	Functional	On Roadway	Local Drivers	Passenger	22	Male	Missing Data
8	710552844	Level	Functional	On Roadway	Local Drivers	Passenger Vehicle	69	Female	None
9	710574547	Level	Missing Data	On Roadway	Local Drivers	Passenger Vehicle	21	Female	None

	REPORT	V1DRINJURY	V1DIR	V1ACT	V2TYPE	V2AGE	V2SEX
1	710205245		North	GoingStraight_____	Missing Data	0	Left Blank
2	710212896		North	_____Slowing_____	Passenger Vehicle	18	Male
3	710256317		East	_____	Missing Data	0	Left Blank
4	710262663		East	GoingStraight_____	Passenger Vehicle	55	Male
5	23423524			_____	Missing Data	0	Left Blank
6	710406710		East	GoingStraight_____	Van/SUV/4WD	47	Male
7	23453131		North	_Left Turn_____	Passenger	0	Female
8	710552844	Complaint of Injury (C)	South	GoingStraight_____	Passenger Vehicle	22	Female
9	710574547	No Apparent Injury (O)	North	GoingStraight_____	Passenger Vehicle	20	Male

	REPORT	V2TOPCF	V2DRINJURY	V2DIR	V2ACT	V3TYPE	V3AGE	V3SEX
1	710205245	Disregarded Traffic Signal		East	GoingStraight_____		0	
2	710212896	Disregarded Traffic Signal		East	GoingStraight_____		0	
3	710256317	Failed to Yield Right of Way			GoingStraight_____		0	
4	710262663	Other - No Driver Error		West	_____Parked		0	
5	23423524	Speed Too Fast for Conditions			_____		0	
6	710406710	Disregarded Traffic Signal		North	_____Backing____		0	
7	23453131	Failed to Yield Right of Way		South	_____OvertakingPassing____		0	
8	710552844	Failed to Yield Right of Way	No Apparent Injury (O)	West	_Left Turn_____		0	
9	710574547	Passed Stop Sign	No Apparent Injury (O)	West	GoingStraight_____		0	

	REPORT	V3TOPCF	V3DRINJURY	V3DIR	V3ACT	POINT_X	POINT_Y
1	710205245					1531795.924	1488643.479
2	710212896					1531795.924	1488643.479
3	710256317					1531465.052	1488636.729
4	710262663					1530794.366	1488634.326
5	23423524					1531796.24	1488642.943
6	710406710					1531465.386	1488636.181
7	23453131					1531796.256	1488642.917
8	710552844					1531796.281	1488642.76
9	710574547					1531796.281	1488642.76