

Traffic Speed Analysis Report

Mission Police Department

Traffic Bureau

1. Project Overview

Field

Information

Project Name:

Cimarron Dr / Rio Grande Dr

Location / Corridor:

1100 block Cimarron to Rio
Grande Dr / 200 block Rio
Grande Dr to 900 block Rio
Grande

Study Limits: (From – To):

7am - 8am / 4:30pm 5:30pm

Prepared By:

Traffic Detective J. Salinas 815

Traffic Detective J. Flores 368

Traffic Detective A. Garcia 562

Analysis Period:

3 days

Data Source:

On site by Officer

Date Prepared:

May 15-16-18, 2026

Notes:

2. Study Objectives

The purpose of this traffic speed analysis is to evaluate vehicular speed characteristics within the study area to support traffic enforcement, safety assessments, and operational decision-making.

Objectives (check all that apply):

- ☐ Identify speeding trends
- ☐ Evaluate compliance with posted speed limits
- ☐ Identify congestion or bottleneck locations
- ☐ Support enforcement deployment
- ☐ Support safety or traffic calming initiatives

Key Questions / Focus Areas:

- Speeding

3. Study Area Description

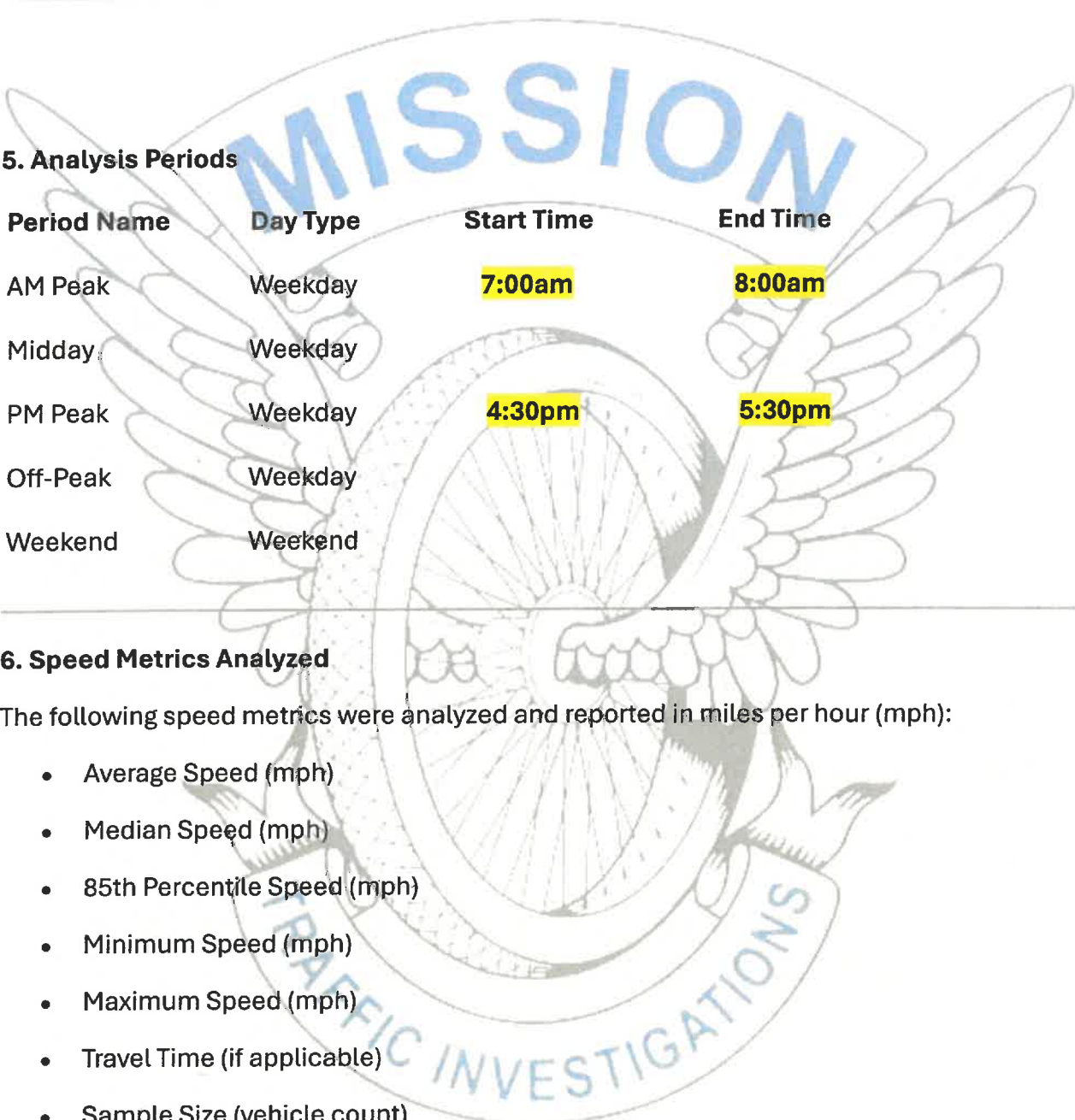
Segment ID	Road Name:	From	To	Road Classification:	Number of Lanes:	Posted Speed (mph):
	Cimarron Dr	1200 block	1100 block	Residential	Two lanes	30mph
	Rio Grande Dr	200 Block	900 Block	Residential	Two lanes	30mph

4. Data Collection & Sources

Item	Description
Speed Data Collection Method:	Handheld Radar Gun
Equipment / Technology Used	
Data Source (Radar, GPS, Sensors, etc.):	Stalker LIDAR RLR
Sample Size	
Data Resolution (e.g., 5-min, 15-min):	1 hr. morning / 1 hr. afternoon
Assumptions	

Item**Description**

Limitations

5. Analysis Periods

Period Name	Day Type	Start Time	End Time
AM Peak	Weekday	7:00am	8:00am
Midday	Weekday		
PM Peak	Weekday	4:30pm	5:30pm
Off-Peak	Weekday		
Weekend	Weekend		

6. Speed Metrics Analyzed

The following speed metrics were analyzed and reported in miles per hour (mph):

- Average Speed (mph)
- Median Speed (mph)
- 85th Percentile Speed (mph)
- Minimum Speed (mph)
- Maximum Speed (mph)
- Travel Time (if applicable)
- Sample Size (vehicle count)

7. Speed Analysis Results**7.1 Summary Speed Statistics**

Segment ID	Period	Avg Speed (mph)	Median Speed (mph)	85th % Speed (mph)	Min Speed (mph)	Max Speed (mph)	Sample Size
		27			8	52	223

7.2 Speed Compliance Evaluation

Segment ID	Period	Posted Speed (mph)	Avg Speed (mph)	% Below Posted	% Above Posted	Compliance Notes
	3 day	30	27	69%	31%	

7.3 Temporal Speed Analysis

Describe speed variations by time of day, peak vs. off-peak conditions, and day-of-week trends.

- The above data collected was done during the mornings and afternoon. Data indicates that there were more vehicles on the afternoon hrs.

7.4 Spatial Speed Analysis

Identify roadway segments with consistently low speeds, high speeds, or recurring bottlenecks.

- The consistency of the road segment was 52.91% on vehicles traveling on Cimarron Dr and 47.53 % on vehicles traveling Rio Grande Dr.

8. Performance Assessment

Performance Measure

Assessment

Speed Limit Compliance

-150 vehicles complied with speed limit

Performance Measure

Assessment

Presence of Speeding Issues

-73 vehicles were over posted limit

Congestion Indicators

-Afternoons

Safety Concerns

-Citizens concerned of vehicles speeding

Enforcement Considerations

9. Key Findings

Finding ID	Category (Speeding / Congestion / Safety)	Description	Severity (Low / Medium / High)
	Speeding		Low

10. Conclusions

Summarize overall findings related to traffic speed behavior, enforcement relevance, and roadway performance.

The analysis showed that the speed severity was low. Additionally, another violation was noted by multiple vehicles, which involved disregarding the STOP sign at the intersection of Cimarron Dr and Rio Grande Dr.

11. Recommendations

Recommendation ID	Segment ID	Issue Identified	Recommended Action	Priority Notes
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Mission Police Department

Speed Survey Log

Date: 5/16/26
562 A.M.

Location:
1100 CIMARRON DRIVE

Veh #	Time	Speed	Direction
1	8:02	25	SB
2	8:02	28	SB
3	8:05	20	NB
4	8:08	26	NB
5	8:11	32	SB
6	8:11	20	SB
7	8:14	25	NB
8	8:15	27	NB
9	8:22	27	NB
10	8:24	22	SB
11	8:27	30	NB
12	8:30	20	NB
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Veh #	Time	Speed	Direction
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Total Vehicles		12
Vehicles traveling >30		1
Vehicles traveling <31		11
% of Speeders		8.33%
Highest Speed		32

Mission Police Department

Speed Survey Log

Date:
5/15/26 A.M. 815

Location:
CIMARRON DRIVE

Veh #	Time	Speed	Direction
1	6:07	36	SB
2	6:02	24	SB
3	6:32	22	SB
4	6:52	36	SB S
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Veh #	Time	Speed	Direction
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Total Vehicles		4
Vehicles traveling >30		2
Vehicles traveling <31		2
% of Speeders		50.00%
Highest Speed		36

Mission Police Department

Speed Survey Log

Date: 5/15/26
368 P.M.

Location:
1100 CIMARRON DRIVE

Veh #	Time	Speed	Direction
1	4:27	32	SB
2	4:27	27	SB
3	4:27	34	SB
4	4:28	29	SB
5	4:29	17	SB
6	4:29	8	SB
7	4:30	23	SB
8	4:30	26	NB
9	4:30	26	SB
10	4:30	26	SB
11	4:31	34	SB
12	4:31	34	SB
13	4:32	27	SB
14	4:33	29	SB
15	4:39	36	SB
16	4:34	27	SB
17	4:34	28	SB
18	4:35	32	SB
19	4:35	24	SB
20	4:36	33	SB
21	4:36	31	SB
22	4:37	28	NB
23	4:37	22	SB
24	4:37	20	NB
25	4:37	32	SB
26	4:38	26	SB
27	4:38	27	SB
28	4:38	23	NB
29	4:39	26	NB
30	4:40	37	SB
31	4:41	31	SB
32	4:41	37	SB
33	4:42	32	SB
34	4:42	23	SB
35	4:42	27	SB
36	4:42	30	SB

Veh #	Time	Speed	Direction
37	4:42	34	SB
38	4:43	22	SB
39	4:43	19	SB
40	4:43	25	SB
41	4:43	19	SB
42	4:44	22	SB
43	4:45	27	SB
44	4:45	28	NB
45	4:47	27	SB
46	4:47	29	SB
47	4:49	32	SB
48	4:49	30	SB
49	4:51	33	SB
50	4:53	31	SB
51	4:53	19	SB
52	4:53	19	SB
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Total Vehicles		52
Vehicles traveling	>30	17
Vehicles traveling	<31	35
% of Speeders		32.69%
Highest Speed		37

Mission Police Department

Speed Survey Log

Date:	
5/18/26 A.M.	815

Location:	
CIMARRON DRIVE	

Veh #	Time	Speed	Direction
1	7:11	23	SB
2	7:20	28	SB
3	7:32	31	SB
4	7:36	30	SB
5	7:44	30	SB
6	7:46	Ran Stop	SB S
7	7:48	38	SB
8	7:57	33	SB
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Veh #	Time	Speed	Direction
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Total Vehicles		7
Vehicles traveling >30		3
Vehicles traveling <31		4
% of Speeders		42.86%
Highest Speed		38

Mission Police Department

Speed Survey Log

Date: 5/18/26	
562	P.M.

Veh #	Time	Speed	Direction
1	4:30	22	NB
2	4:30	25	SB
3	4:31	20	SB
4	4:31	20	SB
5	4:31	35	NB
6	4:31	29	SB
7	4:32	26	SB
8	4:33	22	SB
9	4:33	22	SB
10	4:33	30	NB
11	4:35	22	SB
12	4:35	22	SB
13	4:35	21	SB
14	4:38	39	SB
15	4:38	30	SB
16	4:38	29	SB
17	4:38	29	SB
18	4:38	28	SB
19	4:39	28	NB
20	4:39	28	SB
21	4:39	25	SB
22	4:39	25	SB
23	4:40	29	SB
24	4:41	31	NB
25	4:42	26	NB
26	4:42	26	NB
27	4:45	26	NB
28	4:46	26	NB
29	4:47	30	NB
30	4:47	30	SB
31	4:49	35	NB
32	4:49	33	SB
33	4:51	33	SB
34	4:55	33	NB
35	4:56	29	SB
36	4:56	28	SB

Location:	
1100 CIMARRON	

Veh #	Time	Speed	Direction
37	4:56	27	SB
38	4:58	35	NB
39	4:58	35	NB
40	4:59	32	NB
41	4:59	29	SB
42	4:59	29	SB
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Veh #	Time	Speed	Direction
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Veh #	Time	Speed	Direction
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Total Vehicles		42
Vehicles traveling >30		10
Vehicles traveling <31		32
% of Speeders		23.81%
Highest Speed		39

Mission Police Department

Speed Survey Log

Date: 5/15/26
368 P.M.

Location:
900 RIO GRANDE

Veh #	Time	Speed	Direction
1	5:00	44	EB
2	5:00	36	EB
3	5:00	23	EB
4	5:00	39	EB
5	5:00	33	EB
6	5:01	34	EB
7	5:01	26	EB
8	5:02	27	EB
9	5:02	32	EB
10	5:02	36	EB
11	5:02	38	WB
12	5:03	31	WB
13	5:03	33	EB
14	5:03	28	EB
15	5:03	26	WB
16	5:05	36	EB
17	5:05	34	WB
18	5:08	42	WB
19	5:05	40	WB
20	5:08	33	EB
21	5:08	33	EB
22	5:09	31	WB
23	5:09	33	EB
24	5:05	34	EB
25	5:10	38	WB
26	5:10	31	EB
27	5:10	27	WB
28	5:11	39	EB
29	5:11	34	EB
30	5:11	35	WB
31	5:12	29	EB
32	5:12	29	EB
33	5:12	33	EB
34	5:12	16	WB
35	5:13	30	EB
36	5:13	52	WB

Veh #	Time	Speed	Direction
37	5:15	28	WB
38	5:15	28	WB
39	5:16	34	WB
40	5:16	31	WB
41	5:17	48	WB
42	5:18	30	WB
43	5:19	34	EB
44	5:20	36	EB
45	5:21	30	EB
46	5:21	30	EB
47	5:21	30	EB
48	5:21	31	WB
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Veh #	Time	Speed	Direction
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Total Vehicles		48
Vehicles traveling >30		32
Vehicles traveling <31		16
% of Speeders		66.67%
Highest Speed		52

Mission Police Department

Speed Survey Log

Date: 5/16/26
562 A.M.

Veh #	Time	Speed	Direction
1	8:35	26	WB S
2	8:42	17	WB S
3	8:42	28	EB S
4	8:43	23	WB
5	8:43	18	WB S
6	8:46	35	WB S
7	8:50	26	WB S
8	8:50	20	WB
9	8:53	27	WB S
10	8:57	27	WB S
11	9:00	25	WB S
12	9:00	25	WB S
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Location:
200 RIO GRANDE

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Total Vehicles		12
Vehicles traveling >30		1
Vehicles traveling <31		11
% of Speeders		8.33%
Highest Speed		35

Mission Police Department

Speed Survey Log

Date:
5/18/26 A.M. 815

Location:
RIO GRANDE

Veh #	Time	Speed	Direction
1	7:29	25	EB
2	7:31	25	EB
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Veh #	Time	Speed	Direction
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Veh #	Time	Speed	Direction
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Total Vehicles		2
Vehicles traveling >30		0
Vehicles traveling <31		2
% of Speeders		0.00%
Highest Speed		25

Mission Police Department

Speed Survey Log

Date: 5/18/26
562 P.M.

Location:
200 RIO GRANDE

Veh #	Time	Speed	Direction
1	5:00	32	WB S
2	5:00	32	WB S
3	5:00	32	WB S
4	5:02	29	WB S
5	5:03	32	WB S
6	5:03	25	EB S
7	5:03	25	EB
8	5:04	25	WB S
9	5:05	20	EB
10	5:06	33	WB S
11	5:06	26	EB
12	5:07	28	EB S
13	5:08	28	WB S
14	5:08	25	EB
15	5:09	33	EB S
16	5:11	25	WB S
17	5:11	25	WB S
18	5:12	25	WB S
19	5:12	20	WB S
20	5:13	23	WB S
21	5:13	23	WB S
22	5:14	26	WB S
23	5:15	26	WB S
24	5:15	26	WB S
25	5:17	28	WB S
26	5:18	29	WB S
27	5:18	29	WB S
28	5:18	28	WB S
29	5:18	28	WB S
30	5:19	27	WB S
31	5:19	27	WB S
32	5:20	28	WB S
33	5:21	29	WB S
34	5:21	29	WB S
35	5:22	32	WB S
36	5:23	30	EB

Veh #	Time	Speed	Direction
37	5:23	25	W
38	5:23	25	WB S
39	5:24	27	EB S
40	5:25	27	WB S
41	5:26	28	EB
42	5:26	28	WB S
43	5:30	30	EB S
44	5:30	29	WB S
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Veh #	Time	Speed	Direction
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Veh #	Time	Speed	Direction
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Total Vehicles		44
Vehicles traveling >30		7
Vehicles traveling <31		37
% of Speeders		15.91%
Highest Speed		33