GRANDE DRIVE SPEED STUDY







Grande Drive Speed Study Final Report

Albuquerque, New Mexico



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City of Albuquerque

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INTRODUCTION

The City of Albuquerque – Department of Municipal Development (Traffic Engineering Design Division) has requested that Souder, Miller & Associates conduct at speed study along Grande Drive in northwest Albuquerque.

1.A. PROJECT PURPOSE

A speed study on Grande Drive from Griegos Road to Delamar Avenue was conducted to determine the following:

- Evaluate the 85th percentile speed along Grande Drive at three (3) locations;
- Calculate average and daily peak hour traffic volumes along Grande Drive.

As part of this study, an evaluation and cataloging of existing roadway conditions, collection of historical ADT, and crash data will be completed.

1.B. PROJECT DESCRIPTION

The study area will be a 0.22 (1,161.60 LF) mile section of Grande Drive from Griegos Road to Delamar Avenue. Figure 1.B.1. below displays the study location and Figure 1.B.2. on page 2 displays the project limits.



FIGURE 1.B.1.
STUDY LOCATION

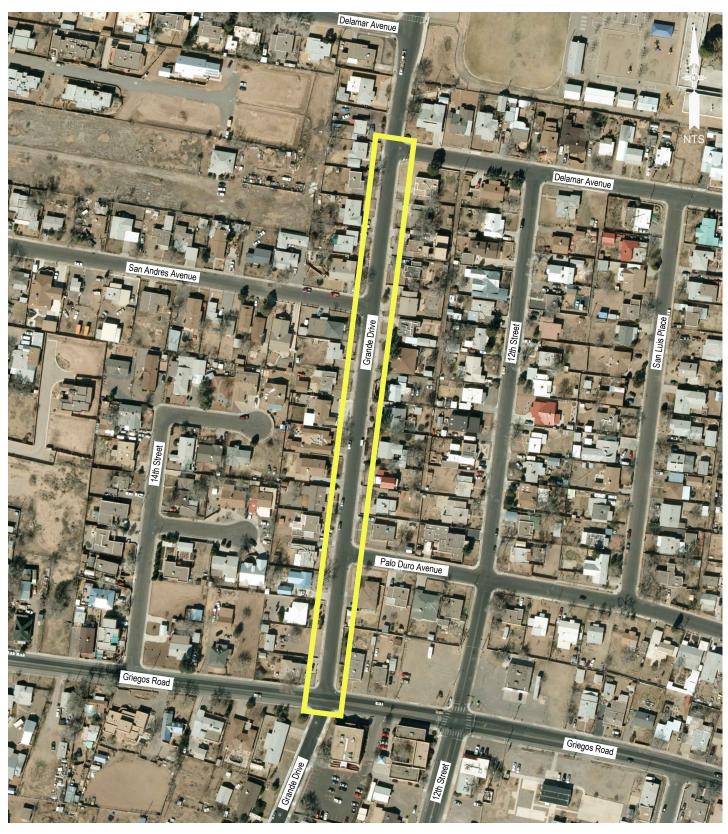




FIGURE 1.B.2. PROJECT LIMITS

Engineering ◆ Environmental ◆ Surveying

1.C. BACKGROUND OF SPEED LIMITS

Speed limits are established on roadways of virtually all classifications, from interstate freeways to low volume local streets. The primary purpose of speed limits is to give motorists clear instruction as to what is a reasonable speed for them to drive at while traveling on a given roadway.

Among regulatory signage, speed limit signs arguably contain the most critical information that motorists need to be informed of while driving (next to stop signs, which are considered the highest impact regulatory sign). Drivers unfamiliar with a roadway often do not realize what characteristics the roadway has, and properly established speed limit signs give them the information they need to drive the roadway safely.

The NMDOT has guidelines for analyzing and establishing posted speed limits; the following text is based on one such example:

Realistic posted speed limits are of public importance for many reasons:

- They invite public compliance by conforming to the behavior or the driving majority
- They give clear reminders of safe and reasonable speeds to non-conforming violators
- They offer the most effective tool for law enforcement of safe driving
- They will minimize public antagonism toward law enforcement that results from unreasonable regulations

Improperly, or artificially low, posted speed limits can cause problems for state and local agencies for several reasons:

- They do not encourage voluntary compliance, since they do not reflect the behavior of the majority
- They make the behavior of the majority unlawful
- The maximize public antagonism toward law enforcement, since the perception is that the police are enforcing a "speed trap"
- The create a bad image for a community in the eyes of tourists / visitors

1.D. SETTING SPEED LIMITS

In accordance with Section 66-7-303 of the New Mexico Criminal and Traffic Law Manual, the speed limit on state highways shall be set by the Cabinet Secretary of the Department of Transportation, based on an engineering survey and traffic investigation that includes the following parameters.

- Spot speed studies (typically consisting of 100 vehicles)
- Roadway geometry/number of lanes
- Roadside environment and characteristics
- Building setbacks (if within a commercial business district)
- Driveway and intersection spacing/density
- Historical crash data for the roadway study area

Many speed limits are established using the theory of 85th percentile. Out of the (typically) 100 vehicles surveyed, beginning with the fasted vehicle speed recorded the 15th vehicle from that speed is determined to show where the 85th percentile speed is. This is assuming that most drivers (85%) drive within reasonable limits. The posted speed limit can be established and is usually the 5 – mph increment just below the 85th percentile speed. For example, if the 85th percentile speed



has been determined by an engineering survey to be 57 mph, the posted speed would be 55 mph. This method of posting speed limits allows for a reasonable posted speed limit that can be enforced by local agencies, without creating a speed trap.

For surveys with a different amount than 100 vehicles, the 85^{th} percentile speed is determined by the following formula: 100/15 = # of vehicles surveyed/X (where x = the vehicle at the 85^{th} percentile). For example, a 50 vehicle survey would result in:

$$\frac{100}{15} = \frac{50}{x}$$
Where $x = 7.5$, or the 8th vehicle in the survey

Other methods are frequently used to further analyze the posting of speed limits – these are the mode, median, and geometric mean:

- Mode is the most frequently clocked vehicle speed in a given survey. For example, in a 100 vehicle survey
 where 12 vehicles were clocked traveling 55 mph and no other speed was observed as frequently, the
 mode is 55 mph.
- Median is the numerical midpoint of a given survey. For example, in a survey of 100 vehicles, the speeds of the 50th and 51st vehicles are added and divided by 2 to obtain the median speed. If the 50th vehicle of such a survey was traveling at 56 mph and the 51st vehicle was also traveling at 56 mph, the resulting median would be (56 + 56)÷2 = 112÷2 = 56 mph
- Geometric mean is described as follows: "an average of a set of numbers that is calculated by multiplying all the numbers ("n"), and taking the nth root of the total."

Formula for Geometric Mean:

Geometric Mean =
$$((X_1)(X_2) \dots (X_n))^{1/N}$$

 $X = \text{Individual score (speed)}$
 $N = \text{Sample size (number of scores)}$

Geometric Mean Example: Sample speeds = 51, 52, 55, 58, and 60 mph

Step 1:

N = 5, the total number of values, $\frac{1}{N} = 0.2$

Step 2:

Determine geometric mean using the formula.

Geometric Mean =
$$((51)(52)(55)(58)(60))^{0.2} = 55.09 mph$$

In most cases, the geometric mean of a speed study will be of similar value of the median, often within 1 to 2 mph of either side of the median. In the above example, the median speed would be the third vehicle surveyed (55 mph), and the geometric mean is 55.09 mph.

2. EXISTING CONDITIONS

2.A. COUNT LOCATIONS

The study area included three (3) volume and speed count locations which were at the following locations:

- Grande Drive north of Griegos Road;
- Grande Drive between Palo Duro Avenue and San Andres Avenue:
- Grande Drive between San Andres Avenue and Delamar Avenue.

Figure 2.1. on page 6 displays the traffic count locations.

2.B. EXISTING CONDITIONS

Figure 2.2. on page 6 displays the existing typical section of Grande Drive. Within the study limits, there are 2 intersections and approximately 32 driveways that provide access to residential homes. Also to be noted, the speed limit within the study limits is 25 mph.



FIGURE 2.1. COUNT LOCATIONS

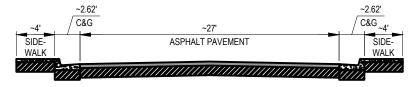


FIGURE 2.2. EXISTING GRANDE DRIVE TYPICAL SECTION



Page |

3. DATA

3.A. ADT

The ADT for the three (3) count locations are listed below in Table 3.A.1.

Table 3.A.1.					
Grande Driv	e ADT				
Count Location	NB	SB	ADT		
Grande Drive South	514	468	982		
Grande Drive Middle	565	564	1129		
Grand Drive North	444	879			
Average	504.7	492.0	996.7		

The Grande Drive study area ADT ranges from 879 to 1129 vehicles per day.

3.B. PEAK HOUR TRAFFIC VOLUMES

The peak hour traffic volumes for the three (3) count locations are shown below in Table 3.B.1.

Table 3.B.1.							
	Grande Drive Peak Hour Traffic Volumes (vph)						
Count Location	Peak Hour	Northbound (Peak Hour)	Southbound (Peak Hour)				
Grande Drive South	AM Peak	62 (8:15 AM - 9:15 AM)	66 (8:30 AM - 9:30 AM)				
	PM Peak	63 (2:15 PM - 3:15 PM)	63 (3:00 PM - 4:00 PM)				
Grande Drive Middle	AM Peak	68 (8:15 AM - 9:15 AM)	80 (8:30 AM - 9:30 AM)				
Granue Drive Middle	PM Peak	75 (2:30 PM - 3:30 PM)	77 (2:00 PM - 3:00 PM)				
Grande Drive North	AM Peak	64 (8:15 AM - 9:15 PM)	74 (8:30 AM - 9:30 AM)				
	PM Peak	63 (2:30 PM - 3:30 PM)	71 (2:45 PM - 3:45 PM)				

The Grande Drive study area peak hour traffic volumes range from 62 to 80 vehicles per hour.

3.C. SPEED STUDY RESULTS

The results of the speed study are displayed below in Table 3.C.1., 3.C.2., and 3.C.3.

Table 3.C.1.						
G	rande Drive South	Speed Study				
Speed	NB	SB	Total			
Average	16.7	17.1	16.8			
10 mph Pace	15.0 - 24.9	15.0 - 24.9	15.0 - 24.9			
50th Percentile	20.1	20.5	20.3			
67th Percentile	22.1	22.3	22.2			
85th Percentile	23.9	24.1	24.1			

Table 3.C.2.						
G	rande Drive Middle	Speed Study				
Speed	NB	SB	Total			
Average	22.6	22.7	22.6			
10 mph Pace	20.1 - 30.0	20.1 - 30.0	20.1 - 30.0			
50th Percentile	23.7	24.0	23.9			
67th Percentile	26.4	26.8	26.5			
85th Percentile	29.1	29.6	29.4			

Table 3.C.3.						
Gi	rande Drive North	Speed Study				
Speed	NB	SB	Total			
Average	21.7	20.8	21.3			
10 mph Pace	20.1 - 30.0	20.1 - 30.0	20.1 - 30.0			
50th Percentile	23.1	22.6	22.9			
67th Percentile	25.7	24.8	25.2			
85th Percentile	28.9	28.5	28.8			

When considering whether to establish a new posted speed limit or not, surveying the existing traffic speeds is crucial to determining a reasonable posted speed limit.

Before a posted speed limit can be adjusted, an analysis must be conducted to ascertain whether or not the speed limit can be adjusted without resulting in further increases of motorists' travel speeds. Motorists usually drive at speeds which they perceive as safe, based on the observable roadway conditions. A flat and straight roadway may result in a different travel speed than the posted speed limit due to the driver's observation of the roadway condition.

In relation to Grande Drive, the posted speed limit is 25 mph, roadway conditions are consistent; controlled access, satisfactory pavement conditions, two travel lanes, and on-street parking. Table 3.C.4 displays that 28 percent of the total ADT of the three count locations recorded speeds greater than the posted speed limit of 25 mph.



Table 3.C.4.							
		Grande	e Drive ADT > 25	5 mph			
Speed (mph)	0 - 19.9 M	PH	20 - 24.9 M	IPH	≥ 25 MPł	1	Avg. ADT
Grande Drive South	472	48%	444.5	45%	65.5	7%	982
Grande Drive Middle	241	21%	416	37%	472	42%	1129
Grande Drive North	242	28%	339	39%	293	34%	874
Total	955	32%	1199.5	40%	830.5	28%	2985

3.D. CRASH DATA

Crash data was requested from the Mid-Region Council of Governments. The crash data requested showed there was 5 recorded crashes within the study area from 2012 to 2014.

	Table 3.D.1.						
		Grande Di	rive Crash Summary	1			
					Crash Correct with Traffic Calming?		
2012	4915 Grande Drive	Driver Inattention	Proper Parked	Property Damage Only Crash	No		
2013 San Andres NW Improper Turn Parked Vehicle Only Crash No							

4. U.S. LIMITS SPEED LIMITS PROGRAM

U.S. Limits is an FHWA sponsored program used to analyze speed limits. This program calculates a recommended speed limit based on the criteria given, which is listed on the website as follows:

- Density of surrounding development (e.g. high density, low density, or rural);
- Frequency of roadside access (e.g. number of residential driveways, commercial, industrial, shopping, and special activity properties, and the number and type of intersection roads);
- Road function (e.g. traffic movement vs. access to abutting properties);
- Road characteristics (e.g. paved width, divided or undivided, lane width, number and lanes, and sight restrictions);
- Road conditions and important high speed road characteristics (e.g. interchange spacing, AADT, and shoulders);
- Existing vehicle operating speeds;
- Adjoining speed limits and;
- Any special conditions that may exist on the road section (e.g. adverse alignment, pedestrian and roadside activities, high crash rates, etc.).

This analysis was used for Grande Drive and based on the data entered into http://www.uslimits.com for the above-listed categories. The output sheet is shown in Appendix A – U.S. Limits Output. The U.S. Limits Output recommended a speed limit of 20 mph that should only be reduced as a last measure after other treatments have been tried or ruled out.

5. CONCLUSION

After evaluating the volume and speed data within the project area, it is concluded that only 28% of the traffic is exceeding 25 mph and the 85th percentile speed of traffic is not exceeding the posted speed limit by 5 mph or more at the count locations. In order to meet criteria for traffic calming measures as outlined in the City of Albuquerque's Neighborhood Traffic Management Program, at least two (2) of the following threshold criteria must be met:

Figure 5.1.	
COA NMTP Traffic Calming Measures	
Description	Warranted?
Reported crashes in the past 3 years that could be corrected with traffic calming	Yes
Peak-hour traffic volume greater than 400 vehicles in one direction	No
25% of peak-hour traffic is non-local cut-through traffic	Not Studied
85th percentile speeds exceeds the posted speed limit by 5 mph or more	No

Based on the data collected, Grande Drive DOES NOT meet any of the criteria outlined to warrant traffic calming.

Appendices

- Appendix A USLIMITS2 Speed Zoning Report
- Appendix B Volume and Speed Data
- Appendix C Crash Data



Appendix A



USLIMITS2 Speed Zoning Report

Project Name: Grande Drive Speed Study

Analyst: Thaddeus Yazzie

Basic Project Information

Project Number: COA 6254.00 Route Name: Grande Drive

From: Griegos Road
To: Delamar Avenue
State: New Mexico

County: Bernalillo County City: Albuquerque city

Route Type: Road Section in Developed Area

Route Status: Existing

Roadway Information

Section Length: .22 mile(s) Statutory Speed Limit: 25 mph

Adverse Alignment: No One-Way Street: No

Divided/Undivided: Undivided
Number of Through Lanes: 2
Area Type: Residential-Subdivision

Number of Driveways: 34 Number of Signals: 0 **Date:** 04-06-2017

Crash Data Information

Crash Data Years: 3.17 Crash AADT: 997 veh/day Total Number of Crashes: 2

Total Number of Injury Crashes: 0 Section Crash Rate: 789 per 100 MVM Section Injury Crash Rate: 0 per 100 MVM Crash Rate Average for Similar Roads: 263 Injury Rate Average for Similar Roads: 67

Traffic Information

85th Percentile Speed: 27 mph 50th Percentile Speed: 22 mph

AADT: 997 veh/day

On Street Parking and Usage: Not High Pedestrian / Bicyclist Activity: High

Project Description: Grande Drive Speed Study from Griegos Road to Delamar Avenue

Recommended Speed Limit:



Note: The section crash rate of 789 per 100 MVM is more than 30 percent above the average for similar roads (263) but below the critical rate (1290). A comprehensive crash study should be undertaken to identify engineering and traffic control deficiencies and appropriate corrective actions. The speed limit should only be reduced as a last measure after all other treatments have either been tried or ruled out.

Appendix B



Special Speed Study Report: Grande Dr South

Station ID: Grande Dr South

Info Line 1 : Between Griegos & Palo Duro

Info Line 2 : Albuquerque

GPS Lat/Lon:

DB File: GR 1 NB1.DB

Last Connected Device Type : Apollo Version Number : 1.66

Serial Number : 1.6

Number of Lanes: 1

Posted Speed Limit: 0.0 mph

Lane #1 Configuration

# Dir.	. Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1	Northbound	Ax-Ax	4.0 ft	6.0 ft	

	Lar	e #1	Speci	al Sp	eed S	Study	Data	Fron	n: 00 :	00 - 0	3/28/	2017	To:	23:59	- 03/	29/201	7
Data Time	#1 <i>0</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	T
Date Time	19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
/28/17 00:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Γue 01:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
03:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
04:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00 07:00	0 14	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9 32
08:00	29	21	3	0	0			0	0	0	0	0	0	0	0	0	54
09:00	15	10	0	0	0	0	0	0	1	0	0	0	0	0	0	0	25
10:00	7	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	16
11:00	11	15	2	0	0	0	0	0	0	0	0	0	0	0	0	0	28
12:00	19	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	30
13:00	18	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	31
14:00	35	20	2	0	0	0	0	0	0	0	0	0	0	0	0	0	57
15:00	18	15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	34
16:00	19	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	41
17:00	26	28	3	1	0	0	0	0	0	0	0	0	0	0	0	0	58
18:00	18	17	3	0	0	0	0	0	0	0	0	0	0	0	0	0	38
19:00	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
20:00	17	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
21:00	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
22:00	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
23:00	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Daily Total:	274	230	24	1	0	0	0	0	1	0	0	0	0	0	0	0	530
Percent :	52%	43%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :	52%	95%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :	11	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	22

Average Speed 16.3 mph 50% Speed: 18.0 mph 67% Speed: 21.9 mph 85% Speed: 23.8 mph 10mph Pace: 15.0 - 24.9 (54.3%)

		#1 <i>O</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	
Date	Time	19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
03/29/17	00:00	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Wed	01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	03:00	0	0	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	0	0
	05:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	06:00	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	07:00	13	15	5	0	0	0	0	0	0	0	0	0	0	0	0	0	33
	08:00	30	23	5	0	0	0	0	0	0	0	0	0	0	0	0	0	58
	09:00	9	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	17
	10:00	14	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
	11:00	7	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
	12:00	9	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	20
	13:00	6	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	21
	14:00	22	24	2	0	0	0	0	0	1	0	0	0	0	0	0	0	49
	15:00	25	11	2	0	0	0	0	0	0	0	0	0	0	0	0	0	38
	16:00	22	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
	17:00	22	30	3	0	0	0	0	0	0	0	0	0	0	0	0	0	55
	18:00	15	18	2	2	0	0	0	0	0	0	0	0	0	0	0	0	37
	19:00	16	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	27
	20:00	6	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	18
	21:00	4	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	15
	22:00	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	23:00	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Daily 1	Total:	235	228	31	3	0	0	0	0	1	0	0	0	0	0	0	0	498
	ercent:	47%	46%	6%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. P		47%	93%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	6.1
AV	erage :	10 A	10 verage	Speed	17.0	mph	5	0 0% Sp	0 eed : 2	0 0.5 mp	0 h		Speed oh Pace					21 eed: 24.

Lane #3 Configuration

# Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
3.	Southbound	Ax-Ax	4.0 ft	6.0 ft	

		Lan	e #3	Speci	al Sp	eed S	Study	Data	Fron	n: 00 :	00 - 0	3/28/	2017	To:	23:59	- 03/	/29/20 [/]	17
Date	Time	#1 0 - 19.9	#2 20 - 24.9	#3 25 - 29.9	#4 30 - 34.9	#5 35 - 39.9	#6 40 - 44.9	#7 45 - 49.9	#8 50 - 54.9	#9 55 - 59.9	#10 60 - 64.9	#11 65 - 69.9	#12 70 - 74.9	#13 75 - 79.9	#14 80 - 84.9	#15 85 - 89.9	#16 Other	Total
			24.9															
03/28/17	00:00	1	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Tue	01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	03:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	04:00	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	05:00	0	5 10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	06:00	8		1	0	0	0	0	0	0	0	0	0	0	0	0	0	19
	07:00 08:00	16 35	16 22	4	0	0	0	0	0	0	0	0	0	0	0	0	0	36 59
	09:00	12	12		0			0			0	0		0	0		0	25
	10:00	8	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	20
	11:00	12	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	28
	12:00	11	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	21
	13:00	9	12	2	0		0	0		0			0			0	0	23
	14:00	15	15	2	0	0	0	0	0	0	0	0	0	0	0	0	0	32
	15:00	35	16	0	0	0	0		0	0	0	0	0	0	0	0	0	51
	16:00	11	16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	28
	17:00	16	16	3	1	0	0	0	0	0	0	0	0	0	0	0	0	36
	18:00	7	11	2	1	0	0	0	0	0	0	0	0	0	0	0	0	21
	19:00	6	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	17
	20:00	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	21:00	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
	22:00	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	23:00	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
.																		
_	Total:	221 48%	205 45%	28 6%	3 1%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	457
	ercent:	48%	93%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
	erage :	9	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	19
		Average Speed 16.8 mph 50% Speed: 20.3 mph 67% Speed: 22.2 mph 85% Speed: 10mph Pace: 15.0 - 24.9 (51.6%)											ed: 23.					

Date T		#1 0 - 19.9	#2 20 - 24.9	#3 25 - 29.9	#4 30 - 34.9	#5 35 - 39.9	#6 40 - 44.9	#7 45 - 49.9	#8 50 - 54.9	#9 55 - 59.9	#10 60 - 64.9	#11 65 - 69.9	#12 70 - 74.9	#13 75 - 79.9	#14 80 - 84.9	#15 85 - 89.9	#16 Other	Total
	0:00	2	24.9	29.9	0	0	0	49.9	0	0	04.9	09.9	0	79.9	04.9	09.9	0	2
	1:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	2:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3:00	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	4:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5:00	0	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	6:00	4	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	13
	7:00	21	21	3	0	0	0	0	0	0	0	0	0	0	0	0	0	45
	8:00	30	22	3	1	0	0	0	0	0	0	0	0	0	0	0	0	56
	9:00	12	12	3	0	0	0	0	0	0	0	0	0	0	0	0	0	27
	0:00	9	12	1	0	0	0	0	0	1	0	0	0	0	0	0	0	23
1.	1:00	9	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
12	2:00	7	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	17
13	3:00	9	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	19
14	4:00	14	18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	33
15	5:00	37	24	2	0	0	0	0	0	0	0	0	0	0	0	0	0	63
16	6:00	12	13	2	0	0	0	0	0	0	0	0	0	0	0	0	0	27
17	7:00	10	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
18	8:00	15	17	5	0	0	0	0	0	0	0	0	0	0	0	0	0	37
19	9:00	11	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	24
20	0:00	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8
2	1:00	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	6
22	2:00	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
23	3:00	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Daily Tot	tal :	214	226	37	1	0	0	0	0	1	0	0	0	0	0	0	0	479
Perc		45%	47%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Perc		45%	92%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	20
Avera	iye .	9 A\	9 /erage	2 Speed	17.4	0 mph	50	0 0% Spe	0 eed : 2	0.8 mp	0 h		0 Speed oh Pace					20 ed: 24.2 mp

10mph Pace: 20.1 - 30.0 (54.9%)

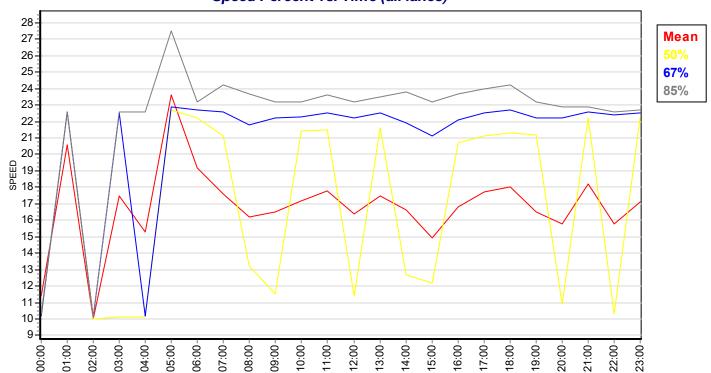
#7 #9 #10 #11 #12 #13 #14 #15 #2 #3 #4 #5 #6 #8 #16 0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 -70 - 75 - 80 - 85 -19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 89.9 Other Date Time Total

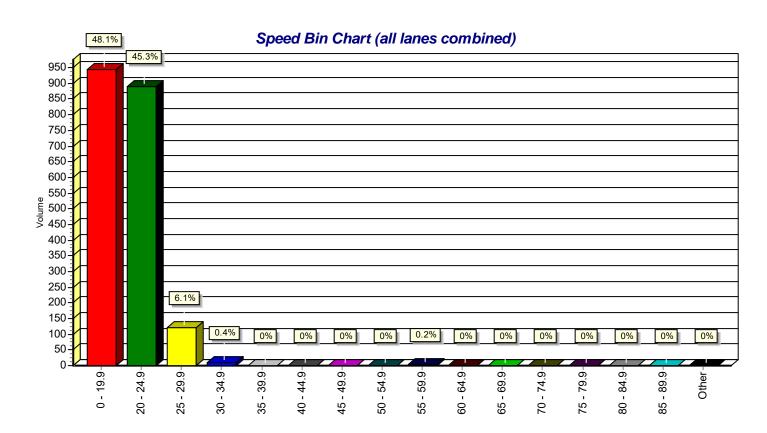
Special Speed Study Summary: Grande Dr South

	#1 <i>O</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	
Description	19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
Grand Total #1:	509	458	55	4	0	0	0	0	2	0	0	0	0	0	0	0	1028
Percent :	50%	45%	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :	50%	94%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :	11	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	22
ADT = 514	A	verage	Speed	16.7	mph	5	0% Spe	eed: 2	.0.1 mp	h		Speed					ed: 23.9 mph
											ΤΟΙΤΙΡ	лгасе	5. 13.0	- 24.5	(55.57)	·)	
Grand Total #3:	435	431	65	4	0	0	0	0	1	0	0	0	0	0	0	0	936
Percent :	46%	46%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :	46%	93%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :	9	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	19
ADT = 468	A	verage	Speed	17.1	mph	5)% Spe	eed: 2	.0.5 mp	h		Speed		•			ed: 24.1 mph
Comb. Total :	944	889	120	8	0	0	0	0	3	0	0	0	0	0	0	0	1964
Percent :	48%	45%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :	48%	93%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Average:	20	19	3	0	0	0	0	0	0	0	0	0	0	0	0	0	42
ADT = 982	A	verage	Speed	16.8	mph	5	0% Spe	eed: 2	.0.3 mp	h		Speed oh Pace					ed: 24.1 mph

Grande Dr South Charts For Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Speed Percent vs. Time (all lanes)





Centurion Special Speed Study Report Printed: 03/30/17 Page 7

Special Speed Study Report: Grande Dr Middle

Station ID: Grande Dr Middle

Info Line 1: Between Palo Duro & San Andres

Info Line 2 : Albuquerque

GPS Lat/Lon:

DB File: GR2 1NB.DB

Last Connected Device Type : Apollo Version Number : 1.62

Serial Number :

Number of Lanes: 1

Posted Speed Limit: 0.0 mph

Lane #1 Configuration

# Dir.	. Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1	Northbound	Ax-Ax	4.0 ft	6.0 ft	

		Lan	e #1	Speci	al Sp	eed S	Study	Data	Fron	n: 00:	:00 - 0)3/28/	2017	To:	23:59	9 - 03	/29/201	17
		#1 <i>O</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	
Date	Time	19.9	24.9		34.9	39.9	44.9	49.9		59.9	64.9	69.9		79.9		89.9	Other	Total
03/28/17	00:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Tue	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	03:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

04:00 05:00 06:00 07:00 08:00 09:00 10:00 11:00

12:00 13:00 14:00 n n n n n n n 15:00 16:00 17:00

18:00 19:00 20:00 21:00 22:00

23:00 Daily Total: Percent: 22% 39% 28% 8% 1% 1% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%

Cum. Percent: 22% 62% 90% 98% 99% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% Average:

Average Speed 22.2 mph 50% Speed: 23.5 mph 67% Speed: 26.0 mph 85% Speed: 29.1 mph 10mph Pace: 20.1 - 30.0 (67.5%)

Centurion Special Speed Study Report Printed: 03/30/17 Page 1

		#1 <i>0</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	
Date	Time	19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
03/29/17	00:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Wed	01:00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	02:00	0	0	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	0	0
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	2
	06:00	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	07:00	3	9	12	5	1	0	0	0	0	0	0	0	0	0	0	0	30
	08:00	11	27	20	5	1	0	0	0	0	0	0	0	0	0	0	0	64
	09:00	2	9	7	1	2	0	0	0	0	0	0	0	0	0	0	0	21
	10:00	9	4	8	3	0	0	0	0	0	0	0	0	0	0	0	0	24
	11:00	5	10	6	1	0	0	0	0	0	0	0	0	0	0	0	0	22
	12:00	6	6	9	3	1	0	0	0	0	0	0	0	0	0	0	0	25
	13:00	6	12	7	3	1	0	0	0	0	0	0	0	0	0	0	0	29
	14:00	19	29	13	2	0	0	0	0	0	0	0	0	0	0	0	0	63
	15:00	12	25	11	3	0	0	0	0	0	0	0	0	0	0	0	0	51
	16:00	7	20	18	2	1	0	0	0	0	0	0	0	0	0	0	0	48
	17:00	7	19	22	6	0	1	0	0	0	0	0	0	0	0	0	0	55
	18:00	9	10	15	4	2	0	0	0	0	0	0	0	0	0	0	0	40
	19:00	5	11	6	2	0	0	0	0	0	0	0	0	0	0	0	0	24
	20:00	5	3	9	3	0	0	0	0	0	0	0	0	0	0	0	0	20
	21:00	4	5	5	1	1	0	0	0	0	0	0	0	0	0	0	0	16
	22:00	1	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	9
	23:00	0	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	7
Daily ⁻	Total :	111	208	181	47	11	1	1	0	0	0	0	0	0	0	0	0	560
Р	ercent:	20%	37%	32%	8%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	ercent:	20%	57%	89%	98%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Ave	erage :	5	9	8	2	0	0	0	0	0	0	0	0	0	0	0	0	24
		Α	verage	Speed	22.8	mph	5	0% Sp	eed: 2	3.9 mp	h		Speed oh Pace		mph - 30.0			ed: 29.

Lane #3 Configuration

# Di	r. Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
3.	Southbound	Ax-Ax	4.0 ft	6.0 ft	

		Lan	e #3	Speci	al Sp	eed S	Study	Data	Fron	n: 00 :	00 - 0	3/28/	2017	To:	23:59	- 03/	/29/20 [/]	17
Date	Time	#1 0 - 19.9	#2 20 - 24.9	#3 25 - 29.9	#4 30 - 34.9	#5 35 - 39.9	#6 40 - 44.9	#7 45 - 49.9	#8 50 - 54.9	#9 55 - 59.9	#10 60 - 64.9	#11 65 - 69.9	#12 70 - 74.9	#13 75 - 79.9	#14 80 - 84.9	#15 85 - 89.9	#16 Other	Total
03/28/17	00:00	0	0	1	0	0	0	0	0	0	04.3	03.3	0	0	04.3	03.3	0	1
Tue	01:00	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
rue	02:00	0	0	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	0	0	2
	04:00	2	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4
	05:00	0	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	8
	06:00	5	5	5	2	0	0	0	0	0	0	0	0	0	0	0	0	17
	07:00	11	15	15	6	1	0	0	0	0	0	0	0	0	0	0	0	48
	08:00	22	32	15	4	0	0	0	0	0	0	0	0	0	0	0	0	73
	09:00	3	17	6	2	0	0	0	0	0	0	0	0	0	0	0	1	29
	10:00	3	8	8	5	0	0	0	0	0	0	0	0	0	0	0	0	24
	11:00	14	13	9	3	1	0	0	0	0	0	0	0	0	0	0	0	40
	12:00	6	15	10	1	1	0	1	0	0	0	0	0	0	0	0	0	34
	13:00	5	7	8	5	1	1	0	0	0	0	1	0	0	0	0	0	28
	14:00	5	13	8	4	1	0	0	0	0	0	0	0	0	0	0	0	31
	15:00	35	27	13	2	0	0	0	0	0	0	0	0	0	0	0	0	77
	16:00	5	18	10	1	0	0	0	0	0	0	0	0	0	0	0	0	34
	17:00	8	11	13	12	1	0	0	0	0	0	0	0	0	0	0	0	45
	18:00	3	7	12	3	1	0	0	0	0	0	0	0	0	0	0	0	26
	19:00	1	6	4	2	1	0	0	0	0	0	0	0	0	0	0	0	14
	20:00	4	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	14
	21:00	1	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	22:00	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
	23:00	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Daily ⁻	Total:	138	212	150	56	9	1	1	0	0	0	1	0	0	0	0	1	569
	ercent:	24%	37%	26%	10%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	ercent:	24%	62%	88%	98%	99%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	00
AV	erage :	6 A	9 verage	6 Speed	22.1	0 mph	5	0 0% Sp	0 eed : 2	0 3.4 mp	0 oh			0 1: 26.2 e: 20.1	0 mph - 30.0			23 ed: 29.3

		#1 <i>O</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	
Date	Time	19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
03/29/17	00:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Wed	01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	05:00	0	4	7	1	0	1	0	0	0	0	0	0	0	0	0	0	13
	06:00	3	4	4	3	1	0	0	0	0	0	0	0	0	0	0	0	15
	07:00	4	15	17	11	2	0	0	0	0	0	0	0	0	0	0	0	49
	08:00	9	27	19	4	1	0	0	0	0	0	0	0	0	0	0	0	60
	09:00	6	10	12	6	0	0	0	0	0	0	0	0	0	0	0	0	34
	10:00	5	6	9	4	2	0	0	0	0	0	0	0	0	0	0	0	26
	11:00	8	7	11	5	1	0	0	0	0	0	0	0	0	0	0	0	32
	12:00	1	11	7	4	0	0	0	0	0	0	0	0	0	0	0	0	23
	13:00	5	5	10	6	1	0	0	0	0	0	0	0	0	0	0	0	27
	14:00	10	12	12	4	0	0	0	0	0	0	0	0	0	0	0	0	38
	15:00	23	32	18	4	0	0	0	0	0	0	0	0	0	0	0	0	77
	16:00	5	12	10	2	2	0	0	0	0	0	0	0	0	0	0	0	31
	17:00	8	10	18	1	0	0	0	0	0	0	0	0	0	0	0	0	37
	18:00	7	13	15	3	1	0	0	0	0	0	0	0	0	0	0	0	39
	19:00	6	9	15	1	0	0	0	0	0	0	0	0	0	0	0	0	31
	20:00	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	8
	21:00	1	4	1	2	0	0	0	0	0	0	0	0	0	0	0	0	8
	22:00	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	23:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4
•	Total:	106	189	190	62	11	1	0	0	0	0	0	0	0	0	0	0	559
	Percent:	19%	34%	34%	11%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	ercent : erage :	19% 4	53% 8	87% 8	98% 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100% 0	23
, (,	49 0 .			Speed					eed: 2			67%	Speed oh Pace	: 27.2	mph	8	5% Spe	ed: 29.

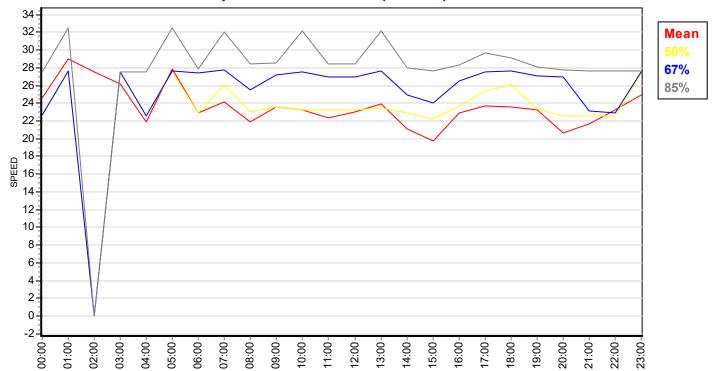
#7 #9 #10 #11 #12 #13 #14 #15 #2 #3 #4 #5 #6 #8 #16 0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 -70 - 75 - 80 - 85 -19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 89.9 Other Date Time Total

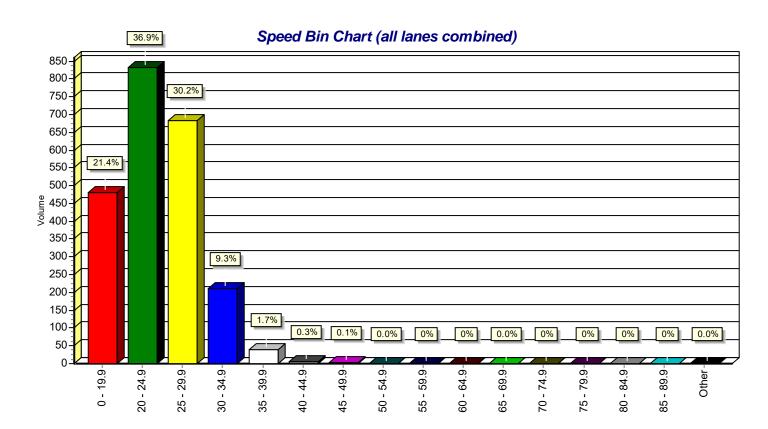
Special Speed Study Summary: Grande Dr Middle

#1 <i>0</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	
19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
238	431	342	93	19	4	1	1	0	0	0	0	0	0	0	0	1129
21%	38%	30%	8%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
21%	59%	90%	98%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
5	9	7	2	0	0	0	0	0	0	0	0	0	0	0	0	23
A	verage	Speed	22.6	mph	5	0% Sp	eed: 2	3.7 mp	h		•		•			ed: 29.1 mph
										10mp	on Pace	20.1	- 30.0	(68.6%	o)	
244	401	340	118	20	2	1	0	0	0	1	0	0	0	0	1	1128
22%	36%	30%	10%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
22%	57%	87%	98%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
5	8	7	2	0	0	0	0	0	0	0	0	0	0	0	0	22
A	verage	Speed	22.7	mph	5	0% Sp	eed: 2	4.0 mp	h	67%	Speed	: 26.8	mph	8	5% Spe	ed: 29.6 mph
										10mp	h Pace	20.1	- 30.0	(65.9%	5)	
482	832	682	211	39	6	2		0	0		0	0	0	0	1	2257
21%	37%	30%	9%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
21%	58%	88%	98%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
10	17	14	4	1	0	0	0	0	0	0	0	0	0	0	0	46
Δ	Jerane	Sneed	22.6	mnh	5	0% Sn	and · 2	2 0 mn	h	670/	Spood	· 26 E	mnh	Q	5% Sno	ed: 29.4 mph
	0 - 19.9 238 21% 21% 5 Av 244 22% 55 Av 218 482 21% 21% 10	0 - 20 - 19.9 24.9 238 431 21% 38% 59% 5 9 Average 244 401 22% 36% 22% 57% 5 8 Average 482 832 21% 37% 21% 58% 10 17	0 - 20 - 25 - 19.9 24.9 29.9 238 431 342 21% 38% 30% 21% 59% 90% 5 9 7 Average Speed 244 401 340 22% 36% 30% 22% 57% 87% 5 8 7 Average Speed 482 832 682 21% 37% 30% 21% 58% 88% 10 17 14	0 - 20 - 25 - 30 - 19.9 24.9 29.9 34.9 238 431 342 93 21% 38% 30% 8% 21% 59% 90% 98% 5 9 7 2 Average Speed 22.6 244 401 340 118 22% 36% 30% 10% 22% 57% 87% 98% 5 8 7 2 Average Speed 22.7 482 832 682 211 21% 58% 88% 98% 10 17 14 4	0 - 20 - 25 - 30 - 35 - 19.9 24.9 29.9 34.9 39.9 238 431 342 93 19 21% 38% 30% 8% 2% 21% 59% 90% 98% 99% 5 9 7 2 0 Average Speed 22.6 mph 22% 36% 30% 10% 2% 22% 57% 87% 98% 100% 5 8 7 2 0 Average Speed 22.7 mph 482 832 682 211 39 21% 37% 30% 9% 2% 21% 58% 88% 98% 100% 10 17 14 4 1	0 - 20 - 25 - 30 - 35 - 40 - 19.9 24.9 29.9 34.9 39.9 44.9 238 431 342 93 19 4 21% 38% 30% 8% 2% 0% 21% 59% 90% 98% 99% 100% 5 9 7 2 0 0 Average Speed 22.6 mph 56 22% 36% 30% 10% 2% 0% 22% 57% 87% 98% 100% 100% 5 8 7 2 0 0 Average Speed 22.7 mph 56 482 832 682 211 39 6 21% 37% 30% 9% 2% 0% 21% 58% 88% 98% 100% 100% 10 17 14 4 1 0	0 - 20 - 25 - 30 - 35 - 40 - 45 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 238 431 342 93 19 4 1 21% 38% 30% 8% 2% 0% 0% 21% 59% 90% 98% 99% 100% 100% 5 9 7 2 0 0 0 Average Speed 22.6 mph 50% Speed 22% 36% 30% 10% 2% 0% 0% 22% 57% 87% 98% 100% 100% 100% 5 8 7 2 0 0 0 Average Speed 22.7 mph 50% Speed 21% 37% 30% 9% 2% 0% 0% 21% 37% 30% 9% 2% 0% 0% 21% 58% 88% 98% 100% 100% 100% 10	0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 238 431 342 93 19 4 1 1 21% 38% 30% 8% 2% 0% 0% 0% 21% 59% 90% 98% 99% 100% 100% 100% 100% 5 9 7 2 0 0 0 0 0 Average Speed 22.6 mph 50% Speed : 2 244 401 340 118 20 2 1 0 22% 36% 30% 10% 2% 0% 0% 0% 22% 57% 87% 98% 100% 100% 100% 100% 5 8 7 2 0 0 0 0 0 Average Speed 22.7 mph 50% Speed : 2 1 482 832 <t< td=""><td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 238 431 342 93 19 4 1 1 0 21% 38% 30% 8% 2% 0% 0% 0% 0% 21% 59% 90% 98% 99% 100%</td></t<> <td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 238 431 342 93 19 4 1 1 0 0 21% 38% 30% 8% 2% 0% 0% 0% 0% 0% 21% 59% 90% 98% 99% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 0</td> <td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 238 431 342 93 19 4 1 1 0 0 0 21% 38% 30% 8% 2% 0%<</td> <td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 238 431 342 93 19 4 1 1 0 0 0 0 21% 38% 30% 8% 2% 0 0</td> <td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 238 431 342 93 19 4 1 1 0</td> <td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 238 431 342 93 19 4 1 1 0 <td< td=""><td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 85 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 89.9 238 431 342 93 19 4 1 1 0</td><td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 85 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 89.9 Other 238 431 342 93 19 4 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td<></td>	0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 238 431 342 93 19 4 1 1 0 21% 38% 30% 8% 2% 0% 0% 0% 0% 21% 59% 90% 98% 99% 100%	0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 238 431 342 93 19 4 1 1 0 0 21% 38% 30% 8% 2% 0% 0% 0% 0% 0% 21% 59% 90% 98% 99% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 100% 0	0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 238 431 342 93 19 4 1 1 0 0 0 21% 38% 30% 8% 2% 0%<	0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 238 431 342 93 19 4 1 1 0 0 0 0 21% 38% 30% 8% 2% 0 0	0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 238 431 342 93 19 4 1 1 0	0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 238 431 342 93 19 4 1 1 0 <td< td=""><td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 85 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 89.9 238 431 342 93 19 4 1 1 0</td><td>0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 85 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 89.9 Other 238 431 342 93 19 4 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td></td<>	0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 85 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 89.9 238 431 342 93 19 4 1 1 0	0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 - 70 - 75 - 80 - 85 - 19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 89.9 Other 238 431 342 93 19 4 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Grande Dr Middle Charts For Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Speed Percent vs. Time (all lanes)





Centurion Special Speed Study Report Printed: 03/30/17 Page 7

Special Speed Study Report: Grande Dr North

Station ID: Grande Dr North

Info Line 1: Between San Andres & Delamar

Info Line 2: Albuquerque

GPS Lat/Lon:

DB File: GB 3 1NB.DB

Last Connected Device Type : Apollo

Version Number : 1.66

Serial Number :

Number of Lanes: 1

Posted Speed Limit: 0.0 mph

Lane #1 Configuration

# Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1.	Northbound	Ax-Ax	4.0 ft	6.0 ft	

		#1 <i>O</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	
Date	Time	19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
03/28/17	00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tue	01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	02:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	03:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	05:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	06:00	0	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	9
	07:00	10	11	9	1	1	0	0	0	0	0	0	0	0	0	0	0	32
	08:00	20	29	3	3	0	0	0	0	0	0	0	0	0	0	0	0	55
	09:00	5	11	4	2	0	0	0	0	0	0	0	0	0	0	0	0	22
	10:00	1	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	11:00	5	9	8	2	3	0	0	0	0	0	0	0	0	0	0	0	27
	12:00	10	13	6	1	1	0	0	0	0	0	0	0	0	0	0	0	31
	13:00	6	11	7	1	0	1	0	0	0	0	0	0	0	0	0	0	26
	14:00	9	32	3	5	0	0	0	0	0	0	0	0	0	0	0	0	49
	15:00	11	10	5	2	0	0	0	0	0	0	0	0	0	0	0	0	28
	16:00	4	9	9	2	0	0	0	0	0	0	0	0	0	0	0	0	24
	17:00	6	15	20	3	0	0	0	0	0	0	0	0	0	0	0	0	44
	18:00	3	5	12	3	0	0	0	0	0	0	0	0	0	0	0	0	23
	19:00	1	8	2	1	0	0	0	0	0	0	0	0	0	0	0	0	12
	20:00	8	4	5	1	1	1	0	0	0	0	0	0	0	0	0	0	20
	21:00	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	22:00	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	23:00	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	2
Daily ⁻	Total:	99	182	105	29	6	2	0	0	1	0	0	0	0	0	0	0	424
	ercent:	23%	43%	25%	7%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	ercent:	23%	66%	91%	98%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	4=
Ave	erage :	4	8	4	1	0	0	0	0	0	0	0	0	0	0	0	0	17

Average Speed 21.9 mph

50% Speed : 23.0 mph

67% Speed: 25.2 mph

85% Speed: 28.3 mph

10mph Pace: 20.1 - 30.0 (67.7%)

		#1 <i>0</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	T
		19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
	0:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	2:00	0	0	0	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	0	0	0
	4:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:00	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	6:00	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	7:00	6	10	7	3	1	0	0	0	0	0	0	0	0	0	0	0	27
	8:00	17	22	22	2	0	0	0	0	0	0	0	0	0	0	0	0	63
	9:00	5	5	4	3	0	0	0	0	0	0	0	0	0	0	0	0	17
	0:00	4	7	5	4	1	0	0	0	0	0	0	0	0	0	0	0	21
	1:00	4	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	15
	2:00	6	6	7	2	1	0	0	0	0	0	0	0	0	0	0	0	22
	3:00	8	10	3	2	0	0	0	0	0	0	0	0	0	0	0	0	23
	4:00	14	27	8	1	0	0	0	0	0	0	0	0	0	0	0	0	50
	5:00	10	17	7	2	0	0	0	0	0	0	0	0	0	0	0	0	36
	6:00	10	7	12	5	0	0	0	0	0	0	0	0	0	0	0	0	34
	7:00	5	17	13	3	0	0	0	0	0	0	0	0	0	0	0	0	38
	8:00	9	9	8	6	2	1	0	0	0	0	0	0	0	0	0	0	35
	9:00	8	7	4	1	0	0	0	0	0	0	0	0	0	0	0	0	20
	0:00	2	2	6	1	0	0	0	0	0	0	0	0	0	0	0	0	11
	1:00	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	11
	2:00	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	6
2	3:00	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Daily To		115	163	117	39	6	1	0	0	0	0	0	0	0	0	0	0	441
Perd Cum. Perd	cent:	26% 26%	37%	27% 90%	9% 98%	1% 100%	0% 100%	0% 100%	0% 100%	0% 100%	0% 100%	0% 100%	0% 100%	0% 100%	0% 100%	0% 100%	0% 100%	
Avera		26% 5	63% 7	90% 5	98%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	19
, 010			verage Speed 21.7 mph 50% Speed : 23.2 mph								67% Speed: 26.1 mph 85% Speed: 28.7 m 10mph Pace: 20.1 - 30.0 (63.5%)							

10mph Pace: 20.1 - 30.0 (63.5%)

Lane #3 Configuration

# Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
3.	Southbound	Ax-Ax	4.0 ft	6.0 ft	

	Lane #3 Special Speed Study Data From: 00:00 - 03/2									3/28/2017 To: 23:59 - 03/29/2017					17			
Data	T '	#1 0 -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 60 -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	Tatal
Date	Time	19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
03/28/17	00:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Tue	01:00	1	0	0	1	0	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	0	0
	03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	04:00	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	05:00	0	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	5
	06:00	3	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	9
	07:00	5	10	14	6	2	1	0	0	0	0	0	0	0	0	0	0	38
	08:00	39	23	8	1	0	0	0	0	0	0	0	0	0	0	0	0	71
	09:00	5	8	5	1	0	0	0	0	0	0	0	0	0	0	0	0	19
	10:00	5	8	6	1	0	0	0	0	0	0	0	0	0	0	0	0	20
	11:00	8	11	9	2	1	0	0	0	0	0	0	0	0	0	0	0	31
	12:00	5	7	7	2	0	0	1	0	0	0	0	0	0	0	0	0	22
	13:00	3	3	9	4	0	0	0	0	0	0	0	0	0	0	0	0	19
	14:00	10	10	8	0	0	0	0	0	0	0	0	0	0	0	0	0	28
	15:00	31	26	9	4	0	0	0	0	0	0	0	0	0	0	0	0	70
	16:00	4	9	11	1	0	0	0	0	0	0	0	0	0	0	0	0	25
	17:00	5	17	5	5	0	0	0	0	0	0	0	0	0	0	0	0	32
	18:00	2	6	6	2	0	0	0	0	0	0	0	0	0	0	0	0	16
	19:00	1	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	11
	20:00	4	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	11
	21:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	22:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	23:00	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Daily ⁻	Total :	135	160	106	33	4	1	1	0	0	0	0	0	0	0	0	0	440
Р	ercent:	31%	36%	24%	8%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	ercent :	31%	67%	91%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Ave	erage :	6	7	4	1	0	0	0	0	0	0	0	0	0	0	0	0	18
					67% Speed: 25.0 mph 85% Speed: 28.3 m 10mph Pace: 20.1 - 30.0 (60.5%)													

Centurion Special Speed Study Report

		#1 <i>O</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 <i>60</i> -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	
Date	Time	19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
03/29/17	00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wed	01:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	02:00	0	0	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	0	0
	04:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	05:00	0	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	9
	06:00	2	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	10
	07:00	6	13	13	5	0	0	0	0	0	0	0	0	0	0	0	0	37
	08:00	18	26	6	6	0	0	0	0	0	0	0	0	0	0	0	0	56
	09:00	7	10	4	1	1	0	0	0	0	0	0	0	0	0	0	0	23
	10:00	6	7	5	4	2	0	0	0	0	0	0	0	0	0	0	0	24
	11:00	7	6	9	4	0	0	0	0	0	0	0	0	0	0	0	0	26
	12:00	5	4	5	2	0	0	0	0	0	0	0	0	0	0	0	0	16
	13:00	8	7	2	3	0	0	0	0	0	0	0	0	0	0	0	0	20
	14:00	8	9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	25
	15:00	30	34	5	1	0	0	0	0	0	0	0	0	0	0	0	0	70
	16:00	6	9	3	2	2	0	0	0	0	0	0	0	0	0	0	0	22
	17:00	12	9	10	0	0	0	0	0	0	0	0	0	0	0	0	0	31
	18:00	9	14	7	3	0	0	0	0	0	0	0	0	0	0	0	0	33
	19:00	7	7	7	2	0	0	0	0	0	0	0	0	0	0	0	0	23
	20:00	4	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	8
	21:00	1	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	6
	22:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	23:00	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Daily 7	Total :	136	173	92	38	5	0	0	0	0	0	0	0	0	0	0	0	444
Р	Percent:	31%	39%	21%	9%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Percent :	31%	70%	90%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Ave	erage :	6	7	4	2	0	0	0	0	0	0	0	0	0	0	0	0	19

Average Speed 20.7 mph 50% Speed: 22.6 mph 67% Speed: 24.6 mph 85% Speed: 28.5 mph 10mph Pace: 20.1 - 30.0 (59.7%)

#7 #9 #10 #11 #12 #13 #14 #15 #2 #3 #4 #5 #6 #8 #16 0 - 20 - 25 - 30 - 35 - 40 - 45 - 50 - 55 - 60 - 65 -70 - 75 - 80 - 85 -19.9 24.9 29.9 34.9 39.9 44.9 49.9 54.9 59.9 64.9 69.9 74.9 79.9 84.9 89.9 Other Date Time Total

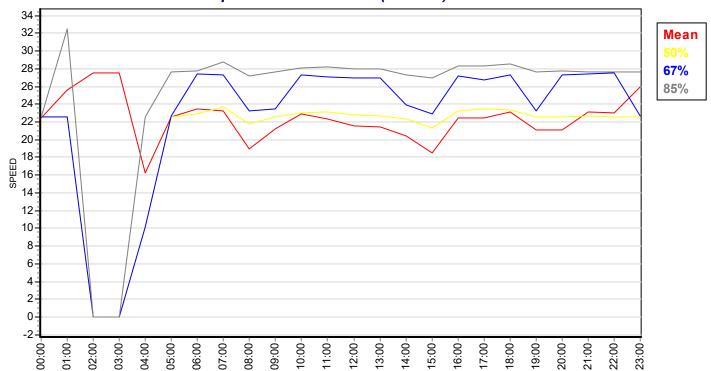
Centurion Special Speed Study Report

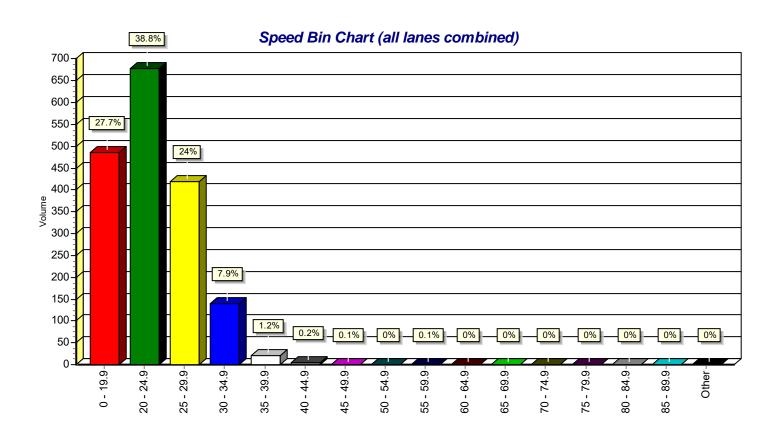
Special Speed Study Summary: Grande Dr North

	#1 <i>O</i> -	#2 20 -	#3 25 -	#4 30 -	#5 35 -	#6 40 -	#7 45 -	#8 50 -	#9 55 -	#10 <i>60</i> -	#11 65 -	#12 70 -	#13 75 -	#14 80 -	#15 85 -	#16	
Description	19.9	24.9	29.9	34.9	39.9	44.9	49.9	54.9	59.9	64.9	69.9	74.9	79.9	84.9	89.9	Other	Total
Grand Total #1:	214	345	222	68	12	3	0	0	1	0	0	0	0	0	0	0	865
Percent :	25%	40%	26%	8%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :	25%	65%	90%	98%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Average:	4	7	5	1	0	0	0	0	0	0	0	0	0	0	0	0	17
ADT = 432	A	verage	Speed	21.7	mph	5	0% Sp	eed: 2	3.1 mp	h		Speed				•	ed: 28.9 mph
											ΙΟΙΠΡ	h Pace	20.1	- 30.0	(05.5%	P)	
Grand Total #3:	271	333	198	71	9	1	1	0	0	0	0	0	0	0	0	0	884
Percent:	31%	38%	22%	8%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :	31%	68%	91%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :	6	7	4	1	0	0	0	0	0	0	0	0	0	0	0	0	18
ADT = 442	A	verage	Speed	20.8	mph	5	0% Sp	eed: 2	2.6 mp	h	67%	Speed	: 24.8	mph	8	5% Spe	ed: 28.5 mph
											10mp	h Pace	e: 20.1	- 30.0	(60.1%	b)	
Comb. Total :	485	678	420	139	21	4		0		0		0	0	0	0		1749
Percent :	28%	39%	24%	8%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :	28%	66%	91%	98%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :	10	14	9	3	0	0	0	0	0	0	0	0	0	0	0	0	36
ADT = 874 Average Speed 21.3 mp				mph	50% Speed: 22.9 mph				67% Speed: 25.2 mph 85% Speed: 28.8 mph 10mph Pace: 20.1 - 30.0 (62.9%)								

Grande Dr North Charts For Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Speed Percent vs. Time (all lanes)





Centurion Special Speed Study Report Printed: 03/30/17 Page 7

Basic Volume Report: Grande Dr South

Station ID: Grande Dr South

Info Line 1: Between Griegos & Palo Duro

Info Line 2 : Albuquerque

GPS Lat/Lon:

DB File: GR 1 NB1.DB

Last Connected Device Type : Apollo

Version Number: 1.66

Serial Number :

Number of Lanes: 1

Posted Speed Limit: 0.0 mph

Lane #1 Configura	tion
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# Dir.	Information	Volume Mode	Volume Sensors	Divide By 2	Comment
1.	Northbound	Normal	Veh.	No	

Lane #1 Basic Volume Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Date	Time	:00	:15	:30	: 4 5	Total
03/28/17	00:00	0	1	0	0	1
Tue	01:00	0	0	1	0	1
	02:00	0	0	1	0	1
	03:00	0	1	0	0	1
	04:00	0	2	1	0	3
	05:00	0	0	0	0	0
	06:00	1	1	3	4	9
	07:00	4	9	11	8	32
	08:00	4	8	29	13	54
	09:00	12	3	5	5	25
	10:00	3	7	4	2	16
	11:00	2	10	9	7	28
	12:00	10	9	5	6	30
	13:00	8	11	6	6	31
	14:00	6	8	14	29	57
	15:00	12	7	6	9	34
	16:00	14	13	5	9	41
	17:00	19	14	15	10	58
	18:00	10	10	7	11	38
	19:00	3	8	9	8	28
	20:00	6	7	5	7	25
	21:00	1	3	3	1	8
	22:00	1	1	2	2	6
	23:00	2	0	1	0	3
Day Total	:				-	530

AM Total: 171 (32.3%) Peak AM Hour: 08:15 = 62 (11.7%) Peak AM Factor: 0.534 Average Period: 5.5
PM Total: 359 (67.7%) Peak PM Hour: 14:15 = 63 (11.9%) Peak PM Factor: 0.543 Average Hour: 22.1

5.2

20.8

Average Period :

Average Hour :

AM Total:

PM Total:

160 (32.1%)

338 (67.9%)

Peak AM Hour : 08:00 =

Peak PM Hour : 16:45 =

Date	Time	:00	:15	:30	:45	Total
03/29/17	00:00	0	1	2	1	4
Wed	01:00	0	0	0	1	1
	02:00	0	1	0	0	1
	03:00	0	0	0	0	0
	04:00	0	0	0	0	0
	05:00	0	1	0	0	1
	06:00	0	2	2	2	6
	07:00	6	9	11	7	33
	08:00	5	11	24	18	58
	09:00	3	8	3	3	17
	10:00	8	7	3	4	22
	11:00	2	5	6	4	17
	12:00	5	8	4	3	20
	13:00	3	5	8	5	21
	14:00	10	5	12	22	49
	15:00	8	12	9	9	38
	16:00	8	15	5	14	42
	17:00	13	18	10	14	55
	18:00	11	5	11	10	37
	19:00	9	6	7	5	27
	20:00	7	4	3	4	18
	21:00	2	4	6	3	15
	22:00	5	1	1	2	9
	23:00	2	4	0	1	7
Day Total					_	498

58 (11.6%)

55 (11.0%)

Peak AM Factor: 0.604

Peak PM Factor: 0.625

Lane #3 Configuration

Dir. Information Volume Mode Volume Sensors Divide By 2 Comment Southbound Normal Veh.

Lane #3 Basic Volume Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Date	Time	:00	:15	:30	:45	Total
03/28/17	00:00	1	0	1	0	2
Tue	01:00	0	0	1	0	1
	02:00	0	0	1	0	1
	03:00	0	0	2	0	2
	04:00	0	1	2	1	4
	05:00	1	0	3	2	6
	06:00	2	2	4	11	19
	07:00	8	10	10	8	36
	08:00	8	4	19	28	59
	09:00	10	9	5	1	25
	10:00	4	6	4	6	20
	11:00	6	3	11	8	28
	12:00	3	6	8	4	21
	13:00	6	4	7	6	23
	14:00	13	3	5	11	32
	15:00	22	9	10	10	51
	16:00	6	11	6	5	28
	17:00	7	14	6	9	36
	18:00	6	6	4	5	21
	19:00	3	4	5	5	17
	20:00	9	1	0	1	11
	21:00	2	3	0	1	6
	22:00	1	1	1	1	4
	23:00	2	1	1	0	4
Day Total	:					457

AM Total: 203 (44.4%) Peak AM Hour : 08:30 = 66 (14.4%) Peak AM Factor: 0.589 Average Period : 4.8 PM Total: 254 (55.6%) Peak PM Hour : 14:45 = 52 (11.4%) Peak PM Factor: 0.591 Average Hour: 19.0

Printed: 03/30/17 Page 3 Centurion Basic Volume Report

Date	Time	:00	:15	:30	:45	Total
03/29/17	00:00	0	0	1	1	2
Wed	01:00	0	0	1	0	1
	02:00	0	0	0	0	0
	03:00	1	0	1	0	2
	04:00	1	0	0	0	1
	05:00	1	0	5	5	11
	06:00	2	1	2	8	13
	07:00	11	12	13	9	45
	08:00	10	9	13	24	56
	09:00	11	4	5	7	27
	10:00	7	9	4	3	23
	11:00	8	3	9	5	25
	12:00	4	5	3	5	17
	13:00	6	2	5	6	19
	14:00	7	9	6	11	33
	15:00	27	12	8	16	63
	16:00	5	6	12	4	27
	17:00	9	8	7	7	31
	18:00	9	10	6	12	37
	19:00	11	8	2	3	24
	20:00	5	2	0	1	8
	21:00	1	0	3	2	6
	22:00	0	1	0	1	2
	23:00	2	3	0	1	6
Day Total	:				_	479

 AM Total :
 206 (43.0%)
 Peak AM Hour : 08:15 =
 57 (11.9%)
 Peak AM Factor : 0.594
 Average Period :
 5.0

 PM Total :
 273 (57.0%)
 Peak PM Hour : 15:00 =
 63 (13.2%)
 Peak PM Factor : 0.583
 Average Hour :
 20.0

Basic Volume Summary: Grande Dr South

Grand Total For Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017												
Total Count	# Of Days	ADT	Avg. Period Av	g. Hour	AM Total & Percent	PM Total & Percent						

#1.	1028 (52.3%)	2.00	514	5.4	21.4	331 (32.2%)	697 (67.8%)
#3.	936 (47.7%)	2.00	468	4.9	19.5	409 (43.7%)	527 (56.3%)
ALL	1964	2.00	982	10.3	40.9	740 (37.7%)	1224 (62.3%)

Lane

Lane	Peak AM Hour		Date	Peak AM Factor		Peak PM Hour		Date	Peak PM Factor
#1.	08:15 =	62	03/28/2017	0.534		14:15 =	63	03/28/2017	0.543
#3.	08:30 =	66	03/28/2017	0.589		15:00 =	63	03/29/2017	0.583

Basic Volume Report: Grande Dr Middle

Station ID: Grande Dr Middle

Info Line 1: Between Palo Duro & San Andres

Info Line 2 : Albuquerque

GPS Lat/Lon:

DB File: GR2 1NB.DB

Last Connected Device Type: Apollo

Version Number: 1.62

Serial Number :

Number of Lanes: 1

Posted Speed Limit: 0.0 mph

# Dir.	Information	Volume Mode	Volume Sensors	Divide By 2	Comment	
1.	Northbound	Normal	Veh.	No		

Lane #1 Basic Volume Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Date	Time	:00	:15	:30	:45	Total
03/28/17	00:00	0	1	0	0	1
Tue	01:00	0	0	0	0	0
	02:00	0	0	1	0	1
	03:00	0	1	0	0	1
	04:00	0	2	1	0	3
	05:00	1	0	0	0	1
	06:00	1	1	3	6	11
	07:00	4	10	11	10	35
	08:00	3	9	29	17	58
	09:00	13	3	5	6	27
	10:00	4	6	3	3	16
	11:00	4	12	9	9	34
	12:00	13	9	8	8	38
	13:00	9	13	7	8	37
	14:00	4	6	17	31	58
	15:00	12	10	10	8	40
	16:00	11	14	6	9	40
	17:00	23	14	17	9	63
	18:00	12	9	7	9	37
	19:00	1	6	8	8	23
	20:00	8	4	6	7	25
	21:00	1	4	3	0	8
	22:00	3	1	2	2	8
	23:00	2	1	1	0	4
Day Total	:				_	569

AM Total: 188 (33.0%) Peak AM Hour: 08:15 = 68 (12.0%) Peak AM Factor: 0.586 Average Period: 5.9
PM Total: 381 (67.0%) Peak PM Hour: 14:30 = 70 (12.3%) Peak PM Factor: 0.565 Average Hour: 23.7

Date	Time	:00	:15	:30	:45	Total
03/29/17	00:00	0	1	2	1	4
Wed	01:00	0	0	0	1	1
	02:00	0	0	0	0	0
	03:00	0	0	0	0	0
	04:00	0	0	0	0	0
	05:00	0	1	1	0	2
	06:00	0	1	2	2	5
	07:00	6	7	10	7	30
	08:00	4	12	26	22	64
	09:00	6	7	4	4	21
	10:00	8	5	8	3	24
	11:00	4	4	8	6	22
	12:00	7	8	6	4	25
	13:00	3	8	9	9	29
	14:00	11	9	15	28	63
	15:00	13	19	10	9	51
	16:00	10	17	6	15	48
	17:00	15	16	11	13	55
	18:00	14	5	14	7	40
	19:00	6	5	8	5	24
	20:00	8	3	6	3	20
	21:00	2	4	8	2	16
	22:00	6	1	1	1	9
	23:00	2	4	0	1	7
Day Total	:				_	560
,						

 AM Total :
 173 (30.9%)
 Peak AM Hour : 08:15 =
 66 (11.8%)
 Peak AM Factor : 0.635
 Average Period :
 5.8

 PM Total :
 387 (69.1%)
 Peak PM Hour : 14:30 =
 75 (13.4%)
 Peak PM Factor : 0.670
 Average Hour :
 23.3

Lane #3 Configuration

Dir. Information Volume Mode Volume Sensors Divide By 2 Comment Southbound Normal Veh.

Lane #3 Basic Volume Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Date	Time	:00	:15	:30	:45	Total
03/28/17	00:00	1	0	0	0	1
Tue	01:00	0	2	1	0	3
	02:00	0	0	0	0	0
	03:00	0	0	2	0	2
	04:00	0	1	2	1	4
	05:00	1	0	3	4	8
	06:00	2	1	6	8	17
	07:00	11	11	12	14	48
	08:00	10	5	20	38	73
	09:00	10	12	6	1	29
	10:00	4	7	5	8	24
	11:00	11	4	15	10	40
	12:00	7	9	12	6	34
	13:00	7	5	9	7	28
	14:00	13	5	5	8	31
	15:00	37	16	10	14	77
	16:00	8	12	9	5	34
	17:00	9	18	9	9	45
	18:00	7	9	7	3	26
	19:00	3	5	4	2	14
	20:00	9	2	1	2	14
	21:00	2	4	0	1	7
	22:00	0	1	1	1	3
	23:00	1	3	3	0	7
Day Total	:				-	569

Day

AM Total: 249 (43.8%) Peak AM Hour : 08:30 = 80 (14.1%) Peak AM Factor: 0.526 Average Period : 5.9 PM Total: 320 (56.2%) Peak PM Hour : 15:00 = 77 (13.5%) Peak PM Factor: 0.520 Average Hour: 23.7

Printed: 03/30/17 Page 3 Centurion Basic Volume Report

Date	Time	:00	:15	:30	:45	Total
03/29/17	00:00	0	0	1	0	1
Wed	01:00	0	0	1	0	1
	02:00	0	0	0	0	0
	03:00	0	0	1	0	1
	04:00	1	0	0	0	1
	05:00	1	0	6	6	13
	06:00	2	1	4	8	15
	07:00	13	12	18	6	49
	08:00	11	5	15	29	60
	09:00	13	7	7	7	34
	10:00	8	9	5	4	26
	11:00	11	3	12	6	32
	12:00	5	8	6	4	23
	13:00	8	3	6	10	27
	14:00	13	10	7	8	38
	15:00	35	16	8	18	77
	16:00	7	4	14	6	31
	17:00	11	9	10	7	37
	18:00	11	10	5	13	39
	19:00	10	10	5	6	31
	20:00	4	3	1	0	8
	21:00	1	1	4	2	8
	22:00	0	1	1	1	3
	23:00	1	2	0	1	4
Day Total					_	559

AM Total : 233 (41.7%) Peak AM Hour : 08:30 = 64 (11.4%) Peak AM Factor : 0.552 Average Period : 5.8 PM Total : 326 (58.3%) Peak PM Hour : 15:00 = 77 (13.8%) Peak PM Factor : 0.550 Average Hour : 23.3

Basic Volume Summary: Grande Dr Middle

Grand Total For Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Lane	Total Count	# Of Days	ADT	Avg. Period	Avg. Hour	AM Total & Percent	PM Total & Percent
#1.	1129 (50.0%)	2.00	565	5.9	23.5	361 (32.0%)	768 (68.0%)
#3.	1128 (50.0%)	2.00	564	5.9	23.5	482 (42.7%)	646 (57.3%)
ALL	2257	2.00	1129	11.8	47.0	843 (37.4%)	1414 (62.6%)

Lane	Peak AM Hour L		Date	Peak AM Factor	•	Peak PM Hour		Date	Peak PM Factor	
#1.	08:15 =	68	03/28/2017	0.586		14:30 =	75	03/29/2017	0.670	
#3.	08:30 =	80	03/28/2017	0.526		15:00 =	77	03/28/2017	0.520	

Basic Volume Report: Grande Dr North

Station ID: Grande Dr North

Info Line 1: Between San Andres & Delamar

Info Line 2: Albuquerque

GPS Lat/Lon:

DB File: GB 3 1NB.DB

Last Connected Device Type: Apollo

Version Number: 1.66

Serial Number :

Number of Lanes: 1

Posted Speed Limit: 0.0 mph

Lane #1	Configuration

# Dir.	Information	Volume Mode	Volume Sensors	Divide By 2	Comment
1.	Northbound	Normal	Veh.	No	

Lane #1 Basic Volume Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Date	Time	:00	:15	:30	:45	Total
03/28/17	00:00	0	0	0	0	0
Tue	01:00	0	0	0	0	0
	02:00	0	0	1	0	1
	03:00	0	1	0	0	1
	04:00	0	0	0	0	0
	05:00	0	1	0	1	2
	06:00	1	1	3	4	9
	07:00	4	10	10	8	32
	08:00	2	8	25	20	55
	09:00	11	3	4	5	23
	10:00	2	4	3	1	10
	11:00	3	10	7	7	27
	12:00	8	8	7	8	31
	13:00	6	8	8	4	26
	14:00	1	6	12	30	49
	15:00	10	7	5	6	28
	16:00	6	8	3	7	24
	17:00	18	7	11	8	44
	18:00	7	5	5	6	23
	19:00	0	3	3	6	12
	20:00	8	3	4	5	20
	21:00	0	3	1	0	4
	22:00	1	1	0	0	2
	23:00	1	0	1	0	2
Day Total	:				_	425

AM Total : 160 (37.6%) Peak AM Hour : 08:15 = 64 (15.1%) Peak AM Factor : 0.640 Average Period : 4.4
PM Total : 265 (62.4%) Peak PM Hour : 14:30 = 59 (13.9%) Peak PM Factor : 0.492 Average Hour : 17.7

4.6

18.5

Average Period :

Average Hour :

AM Total:

PM Total:

153 (34.5%)

291 (65.5%)

Peak AM Hour : 08:15 =

Peak PM Hour : 14:30 =

Date	Time	:00	:15	:30	:45	Total
03/29/17	00:00	0	0	0	1	1
Wed	01:00	0	0	0	1	1
	02:00	0	0	0	0	0
	03:00	0	0	0	0	0
	04:00	0	0	0	0	0
	05:00	0	0	3	0	3
	06:00	0	0	2	2	4
	07:00	6	6	9	6	27
	08:00	5	10	25	23	63
	09:00	6	4	4	3	17
	10:00	7	6	6	3	22
	11:00	2	3	5	5	15
	12:00	4	6	6	6	22
	13:00	4	8	7	4	23
	14:00	8	3	12	28	51
	15:00	9	14	7	6	36
	16:00	5	10	7	12	34
	17:00	13	13	5	7	38
	18:00	11	6	13	5	35
	19:00	8	3	6	3	20
	20:00	3	2	4	3	12
	21:00	2	4	2	3	11
	22:00	5	0	0	1	6
	23:00	1	1	0	1	3
Day Total					_	444

64 (14.4%)

63 (14.2%)

Peak AM Factor: 0.640

Peak PM Factor: 0.562

Lane #3 Configuration

# Dir	. Information	Volume Mode	Volume Sensors	Divide By 2	Comment
3.	Southbound	Normal	Veh.	No	

Lane #3 Basic Volume Data From: 00:00 - 03/28/2017 To: 23:59 - 03/29/2017

Date	Time	:00	:15	:30	: 4 5	Total	
03/28/17	00:00	1	0	0	0	1	
Tue	01:00	0	2	0	0	2	
	02:00	0	0	0	0	0	
	03:00	0	0	0	0	0	
	04:00	0	0	2	1	3	
	05:00	1	0	1	3	5	
	06:00	1	0	3	5	9	
	07:00	9	10	10	9	38	
	08:00	9	4	20	38	71	
	09:00	8	8	4	0	20	
	10:00	5	6	4	5	20	
	11:00	7	4	11	9	31	
	12:00	3	7	8	4	22	
	13:00	5	3	7	4	19	
	14:00	10	5	2	11	28	
	15:00	36	14	10	10	70	
	16:00	7	6	7	5	25	
	17:00	9	13	5	5	32	
	18:00	5	4	4	3	16	
	19:00	2	3	2	4	11	
	20:00	6	2	2	1	11	
	21:00	1	0	0	0	1	
	22:00	0	0	0	1	1	
	23:00	1	2	2	0	5	
Day Total	:				_	441	

AM Total: 200 (45.4%) Peak AM Hour : 08:30 = 74 (16.8%) Peak AM Factor: 0.487 Average Period : 4.6 PM Total: 241 (54.6%) Peak PM Hour : 14:45 = 71 (16.1%) Peak PM Factor: 0.493 Average Hour: 18.4

Printed: 03/30/17 Page 3 Centurion Basic Volume Report

Date	Time	:00	:15	:30	:45	Total
03/29/17	00:00	0	0	0	0	0
Wed	01:00	0	0	1	0	1
	02:00	0	0	0	0	0
	03:00	0	0	0	0	0
	04:00	1	0	0	0	1
	05:00	1	0	5	3	9
	06:00	1	0	2	7	10
	07:00	8	9	16	4	37
	08:00	9	4	14	29	56
	09:00	9	7	5	2	23
	10:00	8	9	4	3	24
	11:00	7	3	10	6	26
	12:00	5	3	5	3	16
	13:00	7	3	5	6	21
	14:00	8	5	6	6	25
	15:00	32	15	7	16	70
	16:00	4	2	10	6	22
	17:00	9	7	8	7	31
	18:00	11	5	8	11	35
	19:00	9	7	1	6	23
	20:00	4	3	1	0	8
	21:00	1	2	3	0	6
	22:00	0	1	0	0	1
	23:00	0	1	0	1	2
Day Total	:				_	447

 AM Total :
 187 (41.8%)
 Peak AM Hour : 08:30 =
 59 (13.2%)
 Peak AM Factor : 0.509
 Average Period :
 4.7

 PM Total :
 260 (58.2%)
 Peak PM Hour : 15:00 =
 70 (15.7%)
 Peak PM Factor : 0.547
 Average Hour :
 18.6

Basic Volume Summary: Grande Dr North

Grand Total For Data From: 00.00 - 03/20/2017 10. 23.33 - 03/23/2017							
Total Count	# Of Days	ADT	Avg. Period Avg. Hour	AM Total & Percent	PM Total & Percen		

Lane	Total Count	# OI Days	ADI	Avg. Pellou	Avg. Houi	AW Total & Percent	FIVI TOTAL & Percent
#1.	869 (49.5%)	2.00	435	4.5	18.1	313 (36.0%)	556 (64.0%)
#3.	888 (50.5%)	2.00	444	4.6	18.5	387 (43.6%)	501 (56.4%)
ALL	1757	2.00	879	9.1	36.6	700 (39.8%)	1057 (60.2%)

Lane	Peak AM Hour		Date	Peak AM Factor	Peak PM H	our	Date	Peak PM Factor	
#1.	08:15 =	64	03/28/2017	0.640	14:30 =	63	03/29/2017	0.562	
#3.	08:30 =	74	03/28/2017	0.487	14:45 =	71	03/28/2017	0.493	

Appendix C



OBJECTID	ReportIDSt	Date	CrashDate	Year	
289296	12.710120957	8/21/2012	20120821	2012	
289303	12.710122666	11/2/2012	20121102	2012	
317699	13.23082134	11/30/2013	20131130	2013	
343055	14.710198519	10/30/2014	20141030	2014	
344933	14.710208185	10/21/2014	20141021	2014	
		, ,			
OBJECTID	Day	Month	Time24	Hour24	
289296	3	8	1207	12	
289303	6	11	54	0	
317699	7	11	2100	21	
343055	5	10	850	8	
344933	3	10	1801	18	
	-				
OBJECTID	Agency	County	City	AStreet	
289296	3	1	7825	GRIEGOS RD NW	
289303	3	1	7825	4915 GRANDE DR NW	
317699	3	1	7825	SAN ANDRES NW	
343055	3	1	7825	GRANDE DR NW	
344933	3	1	7825	4915 GRANDE NW	
	-				
OBJECTID	BStreet	Landmark	Route	MilePost	
289296	GRANDE DR NW			0	
289303	GRANDE DR NW			0	
317699		GRANDE NW		0	
	PALO DURO AVE			-	
343055	NW	4902 GRANDE DR NW		0	
344933	GRIEGOS RD NW			0	
				-	
OBJECTID	NumVeh	NumPersons	NumKilled	NumClassA	
289296	2	2	0	0	
289303	3	3	0	0	
317699	2	2	0	0	
343055	2	3	0	1	
344933	3	3	0	0	
	_	-	_	-	
OBJECTID	NumClassB	NumClassC	NumInjured	NumUnhurt	
289296	0	0	0	2	
289303	0	0	0	3	
317699	0	0	0	2	
343055	0	0	1	2	
344933	0	0	0	3	
	-	-	-	-	

OBJECTID	Severity	Class	Analysis	TOPCACC
200205	Property damage		C.I. D E I	B. d. and a substitute of
289296	only crash Property damage	Other Vehicle	Sd-Rear End	Driver Inattention
289303	only crash	Parked Vehicle	Proper Park	Driver Inattention
203000	omy crasm	Tarried Vernore	r roper rain	Diver matterna
	Property damage		Parked Vehicle -	
317699	only crash	Parked Vehicle	Unknown/Not Stated	Improper Turn
242055	Non-fatal crash		Intersection - One Left	B.S. and and and a
343055	(injury)	Other Vehicle	Turn/Entering At Angle Intersection - From	Driver Inattention
	Dranarty damaga			
344933	Property damage only crash	Other Vehicle	Same Direction/All Others	Evenssive Speed
344333	Offity Crash	Other vehicle	Others	Excessive Speed
OBJECTID	Weather	Lighting	ALCInv	DRUGInv
289296	Clear	Daylight	T	T
289303	Clear	Dark (not lighted)	T	T
317699	Clear	Dark (lighted)	F	F
343055	Clear	Daylight	F	F
344933	Clear	Dark (not lighted)	F	F
OBJECTID	PEDInv	MCInv	PECInv	TrkInv
289296	F	F	F	F
289303	F	F	F	F
317699	r F	, F	, F	r F
343055	r F	F	r F	r F
344933	' F	F	· F	F
344933	·	'	'	ı
OBJECTID	HZInv	HitRun	Direction	TranDist
289296	F	F		3
289303	F	F		3
317699	F	T	W	3
343055	F	F		3
344933	F	F		3
OBJECTID	MaintDist	SPDist	IntID	COGID
289296	3	0 0	0	0
289303	3	0	0	0
317699	3	5	0	0
343055	3	5	0	0
344933	3	5	0	0
3333	3	3	9	3

