

Sierra Project
Comparison of Long-Term (Year 2035) Segment Volumes

Street Segment	Existing Counts			Deer Springs Road 6-Lanes			Deer Springs Road 4-Lanes			Deer Springs Road 2-Lanes (Mesa Rock Road to Sarver Lane)		
	LOS E Capacity	Volume	LOS	LOS E Capacity	Volume	LOS	LOS E Capacity	Volume	LOS	LOS E Capacity	Volume	LOS
Deer Springs Road Twin Oaks Valley Rd to Sarver Ln Sarver Ln to Mesa Rock Rd Mesa Rock Rd to I-15 I-15 to Champagne Blvd Mountain Meadow Road East of Champagne Blvd Twin Oaks Valley Road Solar Ln to Deer Springs Rd ^a Deer Springs Rd to Buena Creek Rd	16,200	17,200	F	57,000	39,100	C	37,000	34,600	E	37,000	27,200	C
	16,200	17,000	F	57,000	35,300	B	37,000	31,200	D	16,200	23,500	F
	16,200	20,000	F	57,000	34,500	B	37,000	29,800	D	37,000	23,400	B
	16,200	11,200	E	34,200	22,100	C	34,200	17,300	B	34,200	15,400	B
	34,200	7,900	A	34,200	17,500	B	34,200	16,400	B	34,200	15,800	B
I-15 Gopher Canyon Rd to Deer Springs Rd Deer Springs Rd to Center City Pkwy Gopher Canyon West of I-15 I-15 to Champagne Blvd.	4,500	2,500	C	4,500	3,000	C	4,500	3,400	C	4,500	3,400	C
	19,000	17,900	E	40,000	40,800	F	40,000	36,400	E	40,000	29,300	D
					159,500			163,900			163,300	
					155,700			168,300			171,600	
					45,000			32,800			33,600	
SR 78 West of I-15					21,100			10,000			10,700	
					132,500			175,200			176,300	

Footnotes:

a. This segment of Twin Oaks Valley Road is not built to its classification and hence a lower capacity (residential street) is assumed.

May 5, 2014

Existing and Estimated Future (Year 2040) Travel Time on Deer Springs Road

Between Mesa Rock Road and Buena Creek Road

(With Sierra Project)

Segment	Peak Hour	Segment Length (miles)	Existing (Observed)	Estimated Year 2040 Travel Time With Sierra Project (Minutes:Seconds)		
				DSR 6- Lanes	DSR 4- Lanes	DSR 2- Lanes
WB Deer Springs Road	AM	2.37	9:46	4:17	4:03	5:47
EB Deer Springs Road	PM	2.37	9:17	4:35	5:01	5:17

I-15 Southbound Off Ramp @ Deer Spring Road to Buena Creek Road License Plate Survey

May 5, 2014

Date

Locations

16-Apr 17-Apr

LINSCOTT
LAW &
GREENSPAN

engineers

Location 1 I-15 @ Deer Spgs Rd Total Right Turns

7:00 to 8:00 AM	738	876
8: 00 to 9:00 AM	673	686
Two Hour Total	1411	1562

Location 2 Buena Creek Rd & Deer Spgs Rd Total Right Turns

7:00 to 8:00 AM	278	337
8: 00 to 9:00 AM	271	274
Two Hour Total	549	611

Location 3 Buena Creek Rd & Deer Spgs Rd Total Thru Traffic

7:00 to 8:00 AM	760	764
8: 00 to 9:00 AM	763	602
Two Hour Total	1523	1366

Location 1 to Location 2

7:00 to 8:00 AM	160	237
8: 00 to 9:00 AM	124	192
Two Hour Total	284	429

Location 1 to Location 3

7:00 to 8:00 AM	322	436
8: 00 to 9:00 AM	453	399
Two Hour Total	775	835

75% 81%

SB I-15 to Buena Creek

7:00 to 8:00 AM	22%	27%
8: 00 to 9:00 AM	18%	28%
Two Hour Total	20%	27%

Average

24%

23%

24%

SB I-15 to Twin Oaks Valley Road (San Marcos)

7:00 to 8:00 AM	44%	50%
8: 00 to 9:00 AM	67%	58%
Two Hour Total	55%	53%

47%

63%

54%