Appendix A

Scoring Criteria



 \rangle

A. Scoring Criteria

1. Scoring Instructions

		A - PRESERVE IN	NFRASTRUCTURE								
Weight	Item	Scoring Criteria	Minimum Scores	Maximum Scores	% of Section						
12.5%	A1	Pavement Evaluation	0	75.0	75.0%						
	A2	Structure Sufficiency Rating	0	15.0	15.0%						
	A3	Structure Categorization	0	10.0	10.0%						
		Preserve Assets Total Score	0	100	100.0%						
	-	B - OPTIMIZE MOBILITY									
Weight	Item	Scoring Criteria	Minimum Scores	Maximum Scores	% of Section						
27.5%	B1	AADT	0	35.0	35.0%						
	B2	Traffic Delay	0	40.0	40.0%						
	B3	System Connectivity/Efficiency	0	25.0	25.0%						
		Improving Mobility Total Score	0	100	100.0%						
		C IMPROV									
Moight	Itom	C - IMPROV	Minimum Scoros	Maximum Scoros	% of Soction						
	C1	Crash Soverity			% 01 Section						
27.370		Crash Deduction (CME)	0	40.0	40.0%						
	C2	Crash Reduction (CIVIF)	0	40.0	40.0%						
	C3	Crash Rate	0	20.0	20.0%						
		Improving Safety Total Score	0	100	100.0%						
		D - TRANSFORM									
	Item	Scoring Criteria	Minimum Scores	Maximum Scores	% of Section						
Weight	D1	Truck Percentage	0	25.0	25.0%						
25.0%	D2	Freight Reliability	0	25.0	25.0%						
	D3	Support Economic Development	0	50.0	50.0%						
		Promote Economic Development Total Score	0	100	100.0%						
		E - SUSTA		NA : C							
	Item		iviinimum Scores	Iviaximum Scores	% of Section						
Weight	E1	Intermodal/Technology Accommodation	0	40.0	40.0%						
7.5%	E2	Financial / Staffing Sustainability	0	40.0	40.0%						
	E3	Environmental Effects	0	20.0	20.0%						
		Community Total Score	0	100	100.0%						

SUB-SECTION A - PRESERVE INFRASTRUCTURE

Overall Preserve Assets						
Total Score	Ranking	Score				
	HIGH	50				
100	MEDIUM	20.7 - 31.2				
	LOW	33				

This section is intended to account for existing pavement and structure conditions within the limits of a project. Points are awarded to those projects with poor pavement or structure conditions as a means to prioritize them from a preservation of asset perspective. Projects in greater need of pavement or structure preservation will receive a higher number of points and thus receive a higher ranking as compared to those projects with newer or better condition pavement.

	A1 - Pavement Evaluation Scoring System												
		Scoring System											
	Α	AC Pavement (PRI) Concrete Pavement (IRI)											
Maximum Score	Min.	Max.	Score	Min.	Max.	Score							
	0	49	0	0	90	0							
	50	399	25.0	90	130	18.8							
75.0	400	699	50.0	130	170	37.5							
	700	1400	75.0	170	230	56.3							
				230	Above	75.0							

Description

Points are awarded to projects with poor pavement conditions. For flexible pavements, the condition of the pavement is based on the PRI, with higher PRIs receiving a higher score. For rigid pavements, the condition is based on the IRI and the age of the pavement. Points are awarded to rougher pavements. NDOT is currently in the process of developing a PRI for Rigid pavements to replace IRI in this summary.

For new alignments, the condition of the pavement along the existing route is used. The existing route is defined as the predominant NDOT facility to see the greatest shift in traffic volumes once the new alignment is complete.

	A2 - Structure Sufficiency Rating										
		Scoring System									
Maximum Score	Min.	Max.	Score								
	0	49	15.0								
	50	79	11.3								
15.0	80	99	7.5								
	100		3.8								
[No Str	uctures	0								
		Description									
Points are awarded	to those projects with s	tructures in greater need of	rehabilitation or reconstruction based								

Unless structures were installed by some previous phase, new alignments will not receive any points for preservation of structures.

	A3 - Structure Categorization								
	Scoring System								
Maximum Score	Criteria	Score							
	Both SD and FO	10.0							
10.0	Either SD or FO	5.0							
	not SD or FO	0							
	Description								
Points are awarde	d to those projects with structures categorized as eit	ther structurally deficient (SD) or							
functionally obsole	ete (FO).								

					Pre	serve Infrastru	cture	
	Study	Location	Description	Pavement Evaluation 75.0%	Structure Sufficiency Rating 15.0%	Struct. Deficient or Funct. Obsolete 10.0%	Total Infrastructure Score 100.0%	Weighted Preserve Rating 12.5%
Roa	dway							
1		US 395	Widen US-395 from Clear Acre Lane to Red Rock Drive (MP 27.06 to 35.81)	37.5	9.4	5.0	51.9	6.5
2		I-80 East	Widen I-80 from McCarran Boulevard to USA Parkway (MP 17.56 to 32.75)	11.7	9.4	5.0	26.1	3.3
3		1-580	New Auxiliary Lanes between interchanges: 1. NB I-580 Moana Ln to Virginia St (MP 22.56 to 21.51) 2. NB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP 20.72 to 21.51) 3. SB I-580 Moana Ln to Virginia St/Kietzke Ln (MP 22.56 to 21.51) 4. SB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP20.72 to21.51)	37.5	9.4	0.0	46.9	5.9
4		I-80 West	Widen EB I-80 Robb Drive to Keystone Avenue (MP 9.23 to 12.48)	15.6	9.4	5.0	30.0	3.8
5	EDAWN La Posada Study	La Posada Alternatives	Potential roadway connection from La Posada to USA Parkway	11.7	9.4	5.0	26.1	3.3
6	Sparks TMSA Study	La Posada						
7	NDOT South Meadows Evaluation	South Meadows Connector	New alignment from South Meadows to USA Parkway	11.7	9.4	5.0	51.9	6.5
8	Pyramid/US 395 Connector	Connection between Pyramid and US 395 (Overall)	New alignment currently under EIS study	37.5	9.4	5.0	51.9	6.5
9		Phase 1	Widen Pyramid Hwy between Queen Way and Sparks Blvd. (MP 1.97 to 5.44)	25.0	9.4	0.0	34.4	4.3
10		Phase 2	Widen Disc Dr. from Pyramid hwy. to Vista Blvd.	25.0	0.0	0.0	25.0	3.1
11		Phase 3	Construct new US 395 Connector from Parr interchange to Pyramid Highway	37.5	9.4	5.0	51.9	6.5
12		Phase 4	Add new direct connect Ramps at US395 w/ widening of US395	37.5	9.4	5.0	51.9	6.5
13		Phase 5	Widen Pyramid highway from Sparks Blvd. to Calle	25.0	0.0	0.0	25.0	3.1

			De La Plata (MP 5.44 to					
			9.75)		Pres	serve Infrastru	cture	
	Study	Location	Description	Pavement Evaluation	Structure Sufficiency Rating	Struct. Deficient or Funct. Obsolete	Total Infrastructure Score	Weighted Preserve Rating
Dee				75.0%	15.0%	10.0%	100.0%	12.5%
<u>koa</u>	<u>dway</u>		New interchange near Sun					
14		Phase 6	Valley local improvements	37.5	9.4	5.0	51.9	6.5
	SEC Alignment Studies							
	Storey County Land Use							
15		Patrick/I-80 Interchange	Reconstruct Interchange	0	6.3	5	11.3	1.4
16		Lockwood/I- 80 Interchange	Reconstruct Interchange	0	9.4	0	9.4	1.2
17		Vanpooling	See transit column below					
18		TRIC internal transit/rail	as part of inter-county regional transit study					
19	Reno Spaghetti Bowl	I-80/I-580/US 395 System Interchange	0/US em (MP 25.0)		9.4	10.0	42.8	5.4
20	NDOT Autonomous Vehicles Grant	I-80	Feasibility of a pilot AV corridor project	11.7	9.4	5.0	26.1	3.3
	2009 I-80 Corridor Study							
		Patrick/I-80 Interchange	Reconstruct Interchange (MP 28.1)					
		Lockwood/I- 80 Interchange	Reconstruct Interchange (MP 22.5)					
		Patrick/I-80 Interchange	Construct Roundabout ramp termini					
		Lockwood/I- 80 Interchange	Construct Roundabout ramp termini					
21		Eastbound I- 80 - McCarran to Sparks	Add auxiliary lanes (MP 16.5 to 17.6)	11.7	0.0	0.0	11.7	1.5
22		Eastbound I- 80 McCarran to Vista	Widen to 3 lanes (MP 17.6 to 19.7)	11.7	9.4	0.0	21.1	2.6
		Eastbound I- 80 Vista to Lockwood	Add auxiliary lane					
		Eastbound I- 80 Vista to Patrick	Widen to 3 lanes					
23		Westbound I- 80 Sparks to McCarran	Add auxiliary lane (MP 16.5 to 17.6)	11.7	0.0	0.0	11.7	1.5
24		Westbound I- 80 Vista to McCarran	Widen to 3 lanes (MP 17.6 to 19.7)	11.7	9.4	0.0	21.1	2.6
		Westbound Lockwood to Vista	Add auxiliary lane					

		Westbound Patrick to Vista	Widen to 3 lanes					
	L				Pre	serve Infrastru	cture	
	Study	Location	Description	Pavement Evaluation	Structure Sufficiency Rating	Struct. Deficient or Funct. Obsolete	Total Infrastructure Score	Weighted Preserve Rating
				75.0%	15.0%	10.0%	100.0%	12.5%
Roa	dway							
25		Install ITS	E. McCarran to	11.7	0.0	0.0	11.7	1.5
		Dackbone	Wadsworth					
	Freight							
	Nevada State							
26		I-80 Safety Improvements	Eastern Truckee Canyon (USA Parkway interchange improvements)	0.0	0.0	0.0	0.0	0.0
27		I-80 USA Parkway Interchange	New interchange with possible direct connect system	0.0	6.3	5.0	11.3	1.4
28		Lockwood New interchange i Interchange bridge over the Tru						
	NDOT Statewide Truck Parking Implementation Plan							
	<u>Other</u>							
29	McCarran SMP	McCarran Interchange	Construct new interchange at McCarran Boulevard	11.7	9.4	5.0	26.1	3.3
30	City of Sparks	Sparks Interchange	Construct new interchange at Sparks Blvd.	11.7	9.4	5.0	26.1	3.3
31	City of Sparks	Vista Interchange	Construct new interchange at Vista Blvd.	11.7	9.4	5.0	26.1	3.3
32	RTC	Clean Water Way	Clean Water bypass (from Veterans Pkwy to I- 80)(Eastbound)	11.7	9.4	5.0	26.1	3.3
33	I80 Reversible lanes	Vista to USA	Reversible lanes from Vista to USA Pkwy	11.7	9.4	5.0	26.1	3.3
34	Eagle Canyon Alignment	Lemmon Valley to Spanish Springs	New alignment from Spanish Springs to Lemmon Valley (8.2 mi)	11.7	9.4	5.0	26.1	3.3
	Transit/Rideshare	2						
	RTC Commuter Rail							
	TESLA Park and Ride							
	RTC Vanpool							
	Operational Agen	icy Plans						
		NDOT Inter- County and Regional Transit Plan						
		EDWAN Transit Management Association						

State of Nevada Department of Transportation Data Summary – Flexible

IR080, from East McCarran Blvd to USA Parkway

From То Travel Visual Rut ADT One Route Cumulative Cumulative Direction PSI IRI Picture **Corrective Action** > 1/2" Directional Lanes Mile Mile Preventive IR080 26.792 27.000 Е 2 4.33 33 Ν 1 15,000 Maintenance Preventive IR080 27.000 28.000 Е 2 4.36 32 Ν 1 15,000 Maintenance Preventive IR080 28.000 29.000 Е 2 4.32 34 1 16,000 Ν Maintenance Preventive IR080 30.000 Е 2 1 29.000 4.34 33 Ν 16,000 Maintenance Preventive 30.000 31.000 Е 2 4.30 35 IR080 Ν 1 16,000 Maintenance Preventive 32.000 IR080 31.000 Е 2 4.34 33 16,000 Ν 1 Maintenance Preventive IR080 32.000 32.022 Е 2 33 4.35 Ν 1 16,000 Maintenance Preventive IR080 32.022 33.000 Е 2 4.33 34 Ν 1 16,000 Maintenance Preventive 27.000 26.792 2 IR080 W 4.35 33 Ν 1 15,000 Maintenance Preventive IR080 28.000 27.000 W 2 4.41 29 Ν 1 15,000 Maintenance Preventive IR080 29.000 28.000 W 2 4.33 33 1 Ν 16,000 Maintenance Preventive IR080 30.000 29.000 W 2 4.37 31 Ν 1 16,000 Maintenance Preventive IR080 31.000 30.000 W 2 4.29 36 Ν 1 16,000 Maintenance Preventive IR080 32.000 31.000 W 2 4.31 35 Ν 1 16,000 Maintenance Preventive IR080 32.022 32.000 W 2 4.44 27 Ν 1 16,000 Maintenance Preventive 33.000 32.022 IR080 W 2 4.34 33 Ν 1 16,000 Maintenance

State of Nevada Department of Transportation Data Summary – Rigid

IR080, from East McCarran Blvd to USA Parkway

То From IRI ADT One Corrective District Route County Cumulative Cumulative Direction IRI Rating Directional Points Action Mile Mile Corrective 2 IR080 WA 17.000 17.550 Е 99 300 55,000 300 Maintenance Corrective IR080 2 WA 17.550 17.587 Е 93 300 47,000 300 Maintenance Corrective 2 IR080 17.587 Е 47,000 WA 17.638 59 100 100 Maintenance Corrective 2 IR080 WA 17.638 18.000 Е 42 100 47,000 100 Maintenance Preventive 2 IR080 18.000 Е 0 0 WA 19.000 31 38,000 Maintenance Preventive 2 IR080 WA 19.000 20.000 Е 40 0 24,000 0 Maintenance 2 IR080 20.000 20.005 Е 500 WA 154 18,750 500 Overlay Corrective 2 IR080 20.005 20.056 Е 100 100 WA 68 18,750 Maintenance Corrective 2 IR080 WA 20.056 21.000 Е 100 100 67 18,750 Maintenance Corrective 2 IR080 21.000 22.000 Е 100 18,750 100 WA 59 Maintenance Corrective 2 IR080 WA 22.000 23.000 Е 57 100 17.000 100 Maintenance Corrective 2 IR080 Е WA 23.000 24.000 71 200 17,000 200 Maintenance Corrective 2 IR080 WA 24.000 24.917 Е 49 100 15,000 100 Maintenance Corrective 2 IR080 24.917 25.000 Е 100 WA 44 100 15,000 Maintenance Corrective 2 IR080 WA 25.000 26.000 Е 48 100 15,000 100 Maintenance Corrective 2 IR080 WA 26.000 26.792 Е 100 15,000 100 46 Maintenance 2 IR080 WA 17.000 16.000 W 500 59,500 500 Overlay 121 Corrective 2 IR080 WA 17.550 17.000 W 75 200 55,000 200 Maintenance 2 IR080 47,000 WA 17.587 17.550 W 142 500 500 Overlay 2 IR080 WA 17.638 17.587 500 47,000 500 Overlay W 145 Corrective 2 IR080 WA 18.000 W 52 100 47,000 100 17.638 Maintenance Preventive 2 IR080 WA 19.000 18.000 W 30 0 38,000 0 Maintenance Preventive 2 IR080 WA 20.000 19.000 W 38 0 18,750 0 Maintenance Corrective 2 IR080 WA 20.005 20.000 W 50 100 18,750 100 Maintenance Corrective 2 IR080 WA 20.056 20.005 W 54 100 18,750 100 Maintenance

2	IR080	WA	21.000	20.056	W	63	100	18,750	100	Corrective Maintenance
2	IR080	WA	22.000	21.000	W	62	100	18,750	100	Corrective Maintenance
2	IR080	WA	23.000	22.000	W	58	100	17,000	100	Corrective Maintenance
2	IR080	WA	24.000	23.000	W	73	200	17,000	200	Corrective Maintenance
2	IR080	WA	24.917	24.000	W	59	100	15,000	100	Corrective Maintenance
2	IR080	WA	25.000	24.917	W	63	100	15,000	100	Corrective Maintenance
2	IR080	WA	26.000	25.000	W	50	100	15,000	100	Corrective Maintenance
2	IR080	WA	26.792	26.000	W	55	100	15,000	100	Corrective Maintenance

State of Nevada Department of Transportation Pavement Data Summary - Rigid

US395, from Parr Blvd to Red Rock Road

District	Route	County	From Cumulative Mile	To Cumulative Mile	Direction	IRI	IRI Points	ADT One Directional	Rating	Corrective Action
2	US395	WA	31	31	N	146	400	32,000	400	Overlay
2	US395	WA	31	31	N	136	400	32,000	400	Overlay
2	US395	WA	31	32	N	143	400	37,000	400	Overlay
2	US395	WA	31	31	S	158	400	32,000	434	Overlay
2	US395	WA	31	31	S	111	200	32,000	200	Corrective Maintenance
2	US395	WA	32	31	S	151	400	37,000	400	Overlay

State of Nevada Department of Transportation Pavement Data Summary - Flexible

US395, from Parr Blvd to Red Rock Road

From Cumulative Mile	To Cumulative Mile	Direction	Travel Lanes	PSI	IRI	Transverse Extent	Cracks Sealed	Visual Rut > 1/2"	Raveling Severity	ADT One Directional	Corrective Action
29	30	N	2	3.86	56	10	N	N		32,000	Preventive Maintenance
30	30	N	2	3.45	79	30	Y	N	L	32,000	Corrective Maintenance
30	31	N	2	3.57	82			N		37,000	Corrective Maintenance
32	32	N	2	3.73	68			N		37,000	Preventive Maintenance
32	33	N	2	3.99	51			N		31,500	Preventive Maintenance
33	34	N	2	4.10	44			N		25,000	Preventive Maintenance
34	35	N	2	3.89	58			N		25,000	Preventive Maintenance
35	35	N	2	4.21	40			N		14,500	Preventive Maintenance
35	36	N	2	4.20	38			N		14,500	Preventive Maintenance
30	29	S	2	3.61	78			N		32,000	Preventive Maintenance
30	30	S	2	3.44	68	30	Y	N		32,000	Corrective Maintenance
31	30	S	2	3.23	106			N		37,000	Corrective Maintenance
32	32	S	2	3.08	96	10	N	N		37,000	Corrective Maintenance
33	32	S	2	4.00	50			N		31,500	Preventive Maintenance
34	33	S	2	4.09	43			N		25,000	Preventive Maintenance
35	34	S	2	3.64	66	10	N	N		25,000	Preventive Maintenance
35	35	S	2	4.14	42			N		14,500	Preventive Maintenance
36	35	S	2	4.14	42			N		14,500	Preventive Maintenance

State of Nevada Department of Transportation Pavement Data Summary - Rigid

SR445, from Queen Way to Calle De La Plata

From То Non Wheel Cracks Visual Rut Travel ADT One Corrective Route Cumulative Cumulative Direction PSI IRI Path Sealed Lanes > 1/2" Directional Action Mile Mile Extent Preventive SR445 5 5 Ν 2 3.87 59 Ν 16,500 Maintenance Preventive SR445 5 6 2 3.84 62 Ν 17,500 Ν Maintenance Corrective 6 2 100 SR445 7 Ν 3.68 54 Ν Ν 17,500 Maintenance Preventive 7 2 3.97 SR445 8 55 Ν 17,500 Ν Maintenance Preventive 8 9 2 3.64 6,000 SR445 67 Ν Ν Ν Maintenance Preventive SR445 9 10 Ν 2 4.09 48 Ν 6,000 Maintenance Preventive SR445 10 2 4.00 54 Ν 3,100 11 Ν Maintenance Preventive SR445 2 3.99 55 Ν 3,100 11 11 Ν Maintenance Preventive SR445 11 12 Ν 2 3.86 63 Ν 3,100 Maintenance Corrective SR445 5 5 S 2 3.71 52 90 Ν Ν 16,500 Maintenance Corrective SR445 6 5 S 2 3.67 52 100 Ν Ν 17,500 Maintenance Corrective 7 SR445 6 S 2 3.48 65 100 Ν 17,500 Ν Maintenance Preventive 7 SR445 8 S 2 3.96 54 Ν 17,500 Maintenance Corrective SR445 9 2 8 S 3.88 41 95 Ν Ν 6,000 Maintenance Preventive SR445 9 S 2 6,000 10 4.15 43 Ν Maintenance Preventive SR445 11 10 S 2 3.93 58 Ν 3,100 Maintenance Preventive SR445 S 2 3.95 11 11 57 Ν 3,100 Maintenance Preventive SR445 S 4.05 12 11 1 50 Ν 3,100 Maintenance

Bridge Ratings

Bridge Number	NBI 007: Facility Carried by Structure	NBI 009: Location	NBI 064: Operating Rating: Tons	NBI 066: Inventory Rating: Tons	NDOT 207: Total Deck Area	Unofficial Functionally Obsolete	Unofficial Structurally Deficient	Unofficial Sufficiency Rating
I1306	PARR BL	RENO	52.9	34.5	12973	N	N	85.9
G1092N	US 395N	NORTH OF RENO	43.5	25.9	8736	Y	N	69
G1092S	US 395S	NORTH OF RENO	43.5	25.9	8736	N	N	88.6
I1093N	US 395N	RENO	79.1	47.5	7688	Y	N	76.9
I1093S	US 395S	RENO	79.1	47.5	7688	N	Ν	96.4
G1748N	US 395N	NORTH OF RENO	44.6	27	13582	N	Ν	90.9
G1748S	US 395S	NORTH OF RENO	57.5	34.5	10564	N	Ν	97.9
I1749N	US 395N	NORTH OF RENO	99.8	63.3	7064	N	Ν	98.2
I1749S	US 395S	NORTH OF RENO	99.8	63.3	7064	N	N	98.2
I1770N	US 395N	NORTH OF RENO	96.6	57.9	6865	N	N	99.3
I1770S	US 395S	NORTH OF RENO	96.9	57.9	6865	N	N	99.3
I 683N	US 395N	STEAD	85.6	51.4	5289	Y	N	96
I 683S	US 395S	STEAD	85.6	51.4	5289	Y	N	96
G1697N	US 395N	NORTH OF RENO	99.8	90.4	7115	N	N	99.4
G1697S	US 395S	NORTH OF RENO	99.8	89.6	6958	N	N	99.4
I1289N	US 395N	NORTH OF RENO	99.8	66.2	6332	N	N	97.4
I1289S	US 395S	NORTH OF RENO	99.8	66.2	6332	N	N	97.4
I1831	I 580	RENO	99.8	68	48638.4	Y	N	79
H1830	I 580	SOUTH RENO	95.6	57.1	15254	N	N	85.4
B1829	I 580	SOUTH RENO	99.8	99.7	7651	N	N	71.8
B1801	SR 667/ DELMONTE LN	RENO	93	55. <i>7</i>	2030	N	N	83.1
I1800	I 580	RENO	99.8	68.2	15539	N	N	90.8
12936	I 580	SOUTH RENO	85.6	65.8	16385	N	N	96.4
H1798	I 580	SOUTH RENO	99.8	64	32700	Y	N	74.4
I1799	I 580	RENO	99.8	65.4	30386	Y	Ν	74.4
I1799R	RMP I 580	RENO	99.8	79.9	6477	N	Ν	98.6
H1247	I 580	RENO	99.8	72.7	14577	Ν	Ν	83
I1248	I 580	RENO	99.8	73	17251	Y	Ν	90.5
I1250	I 580	RENO	64	18.7	206608	N	Ν	61.3
I1301E	I 80E	WEST OF RENO	99.8	41.7	8219.8	Ν	Ν	96
I1301W	I 80W	WEST OF RENO	99.8	41.7	12631.7	Ν	Ν	96
H 768	CEMETERY ROAD	WEST OF RENO	14.7	9	8077.4	Y	N	53.2
H1162E	I 80E	RENO	90	55.8	6380	Ν	Ν	94.4
H1162W	I 80W	RENO	90	55.8	8765	N	Ν	94.4
1 987	I 80	RENO	98.9	59.4	26157	Ν	Ν	98
B 815	SR 445/PYRAMID L.	SPARKS	83.8	50.3	770	N	N	77
B2537	SR 445 PYRAMID HWY	SPANISH SPRINGS	56.7	34	1120	N	N	98.2

Bridge Number	NBI 007: Facility Carried by Structure	NBI 009: Location	NBI 064: Operating Rating: Tons	NBI 066: Inventory Rating: Tons	NDOT 207: Total Deck Area	Unofficial Functionally Obsolete	Unofficial Structurally Deficient	Unofficial Sufficiency Rating
11008	VISTA BL	SPARKS	63.7	38.1	15892	N	N	94
I 750	LOCKWOOD DR	EAST OF SPARKS	69.4	30.2	4404	Ν	N	70.5
I 753E	I 80E	EAST OF SPARKS	99.8	73.4	5164	N	N	95
I 753W	I 80W	EAST OF SPARKS	99.8	73.4	5164	N	N	95
I 660	I 80	EAST OF SPARKS	78.8	47.1	3628	Y	N	94
H 643	I 80	EAST OF SPARKS	78.8	47.1	3700	Y	N	72.6
12796	USA PARKWAY	WEST OF WADSWORTH	55.4	42.8	12921	Y	N	94.6

3. Optimize Mobility

SUB-SECTION B - OPTIMIZE MOBILITY

	Overall Improve Mobility								
Total Score	Ranking	Score							
	HIGH	60							
100	MEDIUM	45.5 - 82.4							
	LOW	33							
Creating an	d maintaining a convenient and	efficient transportation system is a primary goal of	NDOT. Projects are						

evaluated and scored on their current ability to move vehicles throughout the system. Using the criteria below, points are awarded to projects in greater need of mobility improvements.

	B1 - AADT							
Maximum	AADT Scoring System							
Score	AADT	Score						
	Equation Used: Score = ((AADT*0.01)^0.429)							
	0	0.0						
	1000	2.7						
	5000	5.5						
35.0	10000	7.5						
	50000	15.0						
	100000	20.4						
	150000	24.3						
	300000	32.9						
	Greater than 300000	35.0						
	Description							
Points are awarded to those projects that have a higher volume of traffic. The scoring has been weighted such that high volumes roadways are weighted proportionally greater than low volume roadways.								

	B2 - Travel Time Reduction									
Maximum Score		Travel Time Scoring								
	Time Transle		Score (Highest and Lowest shown)							
	(Minutes)	vings	Rural Principal Arterial - Interstate	Urban Local						
	0	2.9	10.0	0.0						
40.0	3	5.8	12.0	4.0						
	5.9	8.6	20.0	8.0						

			22.0				
	8.7	11.5	32.0	14.0			
	11.6	14.3	40.0	24.0			
	14.4	17.2	40.0	36.0			
	17.3	20	40.0	40.0			
Description							
Beints are awarded based on a project that will reduce travel time. The two functional classes reseiving the highest and							

Points are awarded based on a project that will reduce travel time. The two functional classes receiving the highest and lowest scores based on the delay are shown. All other classifications fall between these two classes.

B3 - System Connectivity/Efficiency							
Maximum	Connectivity Scoring						
Score	Criteria	Score					
25.0	Project is an existing roadway along a completed and existing roadway network.	0					
	Project is a preliminary phase of a larger project and could provide a future link to the roadway network.	8.3					
25.0	Project is part of an intermediate phase and/or provides additional connections to the overall roadway network.	16.7					
	Project is an essential link to the roadway network and completes the overall network improvements.	25.0					
	Description						
System Connectivity measures how a project fits into the overall roadway system network. Points are awarded to those projects that provide a vital link to the surrounding network or construct additional phases to an already completed potion of a proposed roadway.							

				Optimize Mobility				
	Study	Location	Description	AADT	Travel Delay Reduction	System Connectivity/ Efficiency	Total Mobility Score	Weighted Mobility Rating
				35.0%	40.0%	25.0%	100.0%	27.5%
<u>Roa</u>	<u>dway</u>							
1		US 395	Widen US-395 from Clear Acre Lane to Red Rock Drive (MP 27.06 to 35.81)	16.9	12.0	0.0	28.9	7.9
2		I-80 East	Widen I-80 from McCarran Boulevard to USA Parkway (MP 17.56 to 32.75)	11.5	40.0	0.0	51.5	14.2
3		1-580	New Auxiliary Lanes between interchanges: 1. NB I-580 Moana Ln to Virginia St (MP 22.56 to 21.51) 2. NB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP 20.72 to 21.51) 3. SB I-580 Moana Ln to Virginia St/Kietzke Ln (MP 22.56 to 21.51) 4. SB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP20.72 to 21.51)	16.9	12.0	0.0	28.9	7.9
4		I-80 West	Widen EB I-80 Robb Drive to Keystone Avenue (MP 9.23 to 12.48)	17.7	12.0	0.0	29.7	8.2
5	EDAWN La Posada Study	La Posada Alternatives	Potential roadway connection from La Posada to USA Parkway	5.4	40.0	16.7	62.1	17.1
6	Sparks TMSA Study	La Posada						
7	NDOT South Meadows Evaluation	South Meadows Connector	New alignment from South Meadows to USA Parkway	5.4	14.0	16.7	36.1	9.9
8	Pyramid/US 395 Connector	Connection between Pyramid and US 395 (Overall)	New alignment currently under EIS study	13.1	40.0	25.0	78.1	21.5
9		Phase 1	Widen Pyramid Hwy between Queen Way and Sparks Blvd. (MP 1.97 to 5.44)	14.0	10.0	8.3	32.3	8.9
10		Phase 2	Widen Disc Dr. from Pyramid hwy. to Vista Blvd.	5.4	10.0	0.0	15.4	4.2

						y		
Study		Location	Description	AADT	Travel Delay Reduction	System Connectivity/ Efficiency	Total Mobility Score	Weighted Mobility Rating
				35.0%	40.0%	25.0%	100.0%	27.5%
Roa	<u>dway</u>							
11		Phase 3	Construct new US 395 Connector from Parr interchange to Pyramid Highway	13.1	20.0	16.7	49.8	13.7
12		Phase 4	Add new direct connect Ramps at US395 w/ widening of US395	13.1	10.0	25.0	48.1	13.2
13		Phase 5	Widen Pyramid highway from Sparks Blvd. to Calle De La Plata (MP 5.44 to 9.75)	11.7	10.0	8.3	30.0	8.3
14		Phase 6	New interchange near Sun Valley local improvements	13.0	32.0	16.7	61.7	17.0
	SEC Alignment Studies							
	Storey County Land Use	nty						
15		Patrick/I-80 Interchange	Reconstruct Interchange	11.5	10	8.3	29.8	8.2
16		Lockwood/I-80 Interchange	Reconstruct Interchange	12.7	10	8.3	31.0	8.5
17		Vanpooling	See transit column below					
18		TRIC internal transit/rail	NDOT currently studying as part of inter-county regional transit study					
19	Reno Spaghetti Bowl	I-80/I-580/US 395 System Interchange	Reconstruct Interchange (MP 25.0)	25.6	40.0	16.7	82.3	22.6
20	NDOT Autonomous Vehicles Grant	I-80	Feasibility of a pilot AV corridor project	4.3	10	8.3	22.6	6.2
	2009 I-80 Corridor Study							
		Patrick/I-80 Interchange	Reconstruct Interchange (MP 28.1)					
		Lockwood/I-80 Interchange	Reconstruct Interchange (MP 22.5)					
		Patrick/I-80 Interchange	Construct Roundabout ramp termini					
		Lockwood/I-80 Interchange	Construct Roundabout ramp termini					

					Optimize Mobility				
	Study	Location	Description	AADT	Travel Delay Reduction	System Connectivity/ Efficiency	Total Mobility Score	Weighted Mobility Rating	
				35.0%	40.0%	25.0%	100.0%	27.5%	
Roa	<u>dway</u>	1	1						
21		Eastbound I-80 - McCarran to Sparks	Add auxiliary lanes (MP 16.5 to 17.6)	12.8	10.0	0.0	22.8	6.3	
22		Eastbound I-80 McCarran to Vista	Widen to 3 lanes (MP 17.6 to 19.7)	10.5	10.0	0.0	20.5	5.6	
		Eastbound I-80 Vista to Lockwood	Add auxiliary lane						
		Eastbound I-80 Vista to Patrick	Widen to 3 lanes						
23		Westbound I-80 Sparks to McCarran	Add auxiliary lane (MP 16.5 to 17.6)	12.8	10.0	0.0	22.8	6.3	
24		Westbound I-80 Vista to McCarran	Widen to 3 lanes (MP 17.6 to 19.7)	10.5	10.0	0.0	20.5	5.6	
		Westbound Lockwood to Vista	Add auxiliary lane						
		Westbound Patrick to Vista	Widen to 3 lanes						
25		Install ITS backbone	E. McCarran to Wadsworth	10.6	12.0	0.0	22.6	6.2	
	<u>Freight</u>								
	Nevada State Freight Plan								
26		I-80 Safety Improvements	Eastern Truckee Canyon (USA Parkway interchange improvements)	11.9	20.0	0.0	31.9	8.8	
27		I-80 USA Parkway Interchange	New interchange with possible direct connect system	11.9	10	8.3	23.8	6.5	
28		Lockwood Interchange	New interchange including bridge over the Truckee						
	NDOT Statewide Truck Parking Implementation Plan								
	<u>Other</u>								
29	McCarran SMP	McCarran Interchange	Construct new interchange at McCarran Boulevard	18.9	10.0	8.3	37.2	10.2	
30	City of Sparks	Sparks Interchange	Construct new interchange at Sparks Blvd.	18.9	10.0	8.3	37.2	10.2	

				Optimize Mobility				
	Study	y Location De		AADT	Travel Delay Reduction	System Connectivity/ Efficiency	Total Mobility Score	Weighted Mobility Rating
				35.0%	40.0%	25.0%	100.0%	27.5%
							1	
31	City of Sparks	Vista Interchange	Construct new interchange at Vista Blvd.	18.9	10.0	8.3	37.2	10.2
32	RTC	Clean Water Way	Clean Water bypass (from Veterans Pkwy to I- 80)(Eastbound)	18.9	12.0	8.3	39.2	10.8
33	I80 Reversible lanes	Vista to USA	Reversible lanes from Vista to USA Pkwy	11.9	32.0	0.0	43.9	12.1
34	Eagle Canyon Alignment	Lemmon Valley to Spanish Springs	New alignment from Spanish Springs to Lemmon Valley (8.2 mi)	2.9	40.0	16.7	61.3	16.4
	Transit/Rideshare	2						
	RTC Commuter Rail							
	TESLA Park and Ride							
	RTC Vanpool							
	Operational Agen	icy Plans						
	NDOT Inter- County and Regional Transit Plan							
	Management Association							

AADT Totals

Project No.	AADT	Score	Year	Truck AADT	AADT	Truck Percentage		
1	73000	16.9	2015	3756	74000	5.1%		
2	30000	11.6	2015	6991	34000	20.6%		
3	72500	16.9	2014	4341	141000		3.1%	
4	81000	17.7	2014	6374	68000		9.4%	
5	5000	5.4				0.0%	Less than 1%	
6	0	0.0				0.0%	Less than 1%	
7	5000	5.4				0.0%	Less than 1%	
8	40000	13.1				0.0%	Less than 1%	Estimated AADT
9	47000	14.0	2016	231	41000		0.6%	
10	5000	5.4						Estimated AADT
11	40000	13.1						Estimated AADT
12	40000	13.1					Estimated AADT	
13	31000	11.7	2016	231	41000	0.6%		
14	40000	13.1						Estimated AADT
15	30000	11.6	2016	4231	37500	11.3%		
16	37500	12.7	2016	4231	37500		11.3%	
17								
18								
19	192000	25.6	2014	4341	118000		3.7%	
20	3000	4.3	2015	6991	34000		20.6%	
21	38000	12.8	2014	4341	32000		13.6%	
22	24000	10.5	2014	4341	32000		13.6%	
23	38000	12.8	2014	4341	32000		13.6%	
24	24000	10.5	2014	4341	32000		13.6%	
25	25000	10.7	2015	6991	34000		20.6%	
26	32000	11.9	2016	4231	32000		13.2%	
27	32000	11.9	2016	4231	32000		13.2%	
28								
29	94000	18.9	2014	4341	72500		6.0%	
30	32000	11.9	2015	6991	34000		20.6%	
34	1200	2.9				0.0%	Less than 1%	Estimated AADT

AADT Totals

Project No.	AADT	Score	Year	Truck AADT	AADT	Truck Percentage		
1	73000	16.9	2015	3756	74000	5.1%		
2	30000	11.6	2015	6991	34000	20.6%		
3	72500	16.9	2014	4341	141000		3.1%	
4	81000	17.7	2014	6374	68000		9.4%	
5	5000	5.4				0.0%	Less than 1%	
6	0	0.0				0.0%	Less than 1%	
7	5000	5.4				0.0%	Less than 1%	
8	40000	13.1				0.0%	Less than 1%	Estimated AADT
9	47000	14.0	2016	231	41000		0.6%	
10	5000	5.4						Estimated AADT
11	40000	13.1						Estimated AADT
12	40000	13.1					Estimated AADT	
13	31000	11.7	2016	231	41000	0.6%		
14	40000	13.1						Estimated AADT
15	30000	11.6	2016	4231	37500	11.3%		
16	37500	12.7	2016	4231	37500		11.3%	
17								
18								
19	192000	25.6	2014	4341	118000		3.7%	
20	3000	4.3	2015	6991	34000		20.6%	
21	38000	12.8	2014	4341	32000		13.6%	
22	24000	10.5	2014	4341	32000		13.6%	
23	38000	12.8	2014	4341	32000		13.6%	
24	24000	10.5	2014	4341	32000		13.6%	
25	25000	10.7	2015	6991	34000		20.6%	
26	32000	11.9	2016	4231	32000		13.2%	
27	32000	11.9	2016	4231	32000		13.2%	
28								
29	94000	18.9	2014	4341	72500		6.0%	
30	32000	11.9	2015	6991	34000		20.6%	
34	3500	4.6				0.0%	Less than 1%	Estimated AADT



Note: ADT was estimated from the available Peak-Hour Volume. The assumption was that 8% of ADT is Peak-Hour Volume.



AM(PM):7:00-9:00(16:00-18:00)

STREET_FRO	Vista Int	STREET_FRO	W McCarran Int
STREET_TO	Lockwood Int	STREET_TO	Keystone Int
LATITUDE		LATITUDE	
LONGITUDE		LONGITUDE	
LAT_DECIMAL	39.52	LAT_DECIMAL	39.53
LON_DECIMAL	-119.69	LON_DECIMAL	-119.84
ROUTE_NAME	IR80	ROUTE_NAME	IR80E
StationType	Permanent	StationType	ShortTerm
Visible	Y	Visible	Υ
AADT_2007	35,000.00	AADT_2007	73,000.00
AADT_2008	32,000.00	AADT_2008	72,000.00
AADT_2009	31,000.00	AADT_2009	72,000.00
AADT_2010	30,000.00	AADT_2010	68,000.00
AADT_2011	30,000.00	AADT_2011	69,000.00
AADT_2012	29,800.00	AADT_2012	67,000.00
AADT_2013	30,500.00	AADT_2013	69,000.00
AADT_2014	32,000.00	AADT_2014	68,000.00
AADT_2015	34,000.00	AADT_2015	80,000.00
AADT_2016	37,500.00	AADT_2016	79,000.00
AADT_2017	44,000.00	AADT_2017	81,000.00

USA Traffic Counts

		2018	Actual			2018	Actual			2018	Actual	
	Southbound				Northbound				Total			
	AM	PM			AM	PM			AM	PM		
2016	473	360			134	1026			607	1386		
2018			1433	1193.5			855	1418.5			2288	2612
2020	533	406			154	1155			687	1561		
2040	2168	2395			1082	3440			3250	5835		





US 395 Traffic Counts: Parr Blvd

Name	0310468	
ROUTE_ID		
LOCATION_D	btwn McCarran Bl Intch 'Exit 70' & Parr Bl Intch 'Exit 71'	
STREET_FRO	McCarran Bl	
STREET_TO	Parr Bl	
LATITUDE		
LONGITUDE		
LAT_DECIMAL	39.56	
LON_DECIMAL	-119.80	
ROUTE_NAME	US395N	
StationType	ShortTerm	
Visible	Y	
AADT_2007	73,000.00	
AADT_2008	69,000.00	
AADT_2009	73,000.00	
AADT_2010	70,000.00	
AADT_2011	70,000.00	
AADT_2012	65,000.00	
AADT_2013	63,500.00	
AADT_2014	65,000.00	
AADT_2015	74,000.00	
AADT_2016	75,000.00	
AADT_2017	78,000.00	

US 395 Traffic Counts: Stead

STREET_FRO	Lemon Vly
STREET_TO	Stead
LATITUDE	
LONGITUDE	
LAT_DECIMAL	39.62
LON_DECIMAL	-119.87
ROUTE_NAME	US395N
StationType	ShortTerm
Visible	Y
AADT_2007	50,000.00
AADT_2008	44,000.00
AADT_2009	45,000.00
AADT_2010	45,000.00
AADT_2011	42,000.00
AADT_2012	43,000.00
AADT_2013	43,000.00
AADT_2014	45,000.00
AADT_2015	48,000.00
AADT_2016	50,000.00
AADT_2017	52,000.00

	Tuesday 08/22/2017		Wednesday 08/23/2017			Thursday 08/24/2017			
	ROAD	S	N	ROAD S N		ROAD	S	Ν	
0:00				435	195	240	505	252	253
1:00				272	135	137	281	126	155
2:00				236	96	140	264	120	144
3:00				356	152	204	378	158	220
4:00				923	339	584	918	323	595
5:00				2,269	978	1,291	2,230	984	1,246
6:00				4,992	2,231	2,761	5,020	2,284	2,736
7:00				7,238	2,831	4,407	7,146	2,805	4,341
8:00				6,069	2,301	3,768	6,154	2,303	3,851
9:00				4,851	1,788	3,063	4,998	1,862	3,136
10:00				2,230	966	1,264	4,543	1,715	2,828
11:00	4,572	1,636	2,936	4,277	1,744	2,533	4,717	1,767	2,950
12:00	4,539	1,697	2,842	4,640	1,863	2,777	4,627	1,616	3,011
13:00	4,749	1,703	3,046	4,520	1,731	2,789	5,032	1,893	3,139
14:00	5,470	1,987	3,483	5,402	1,908	3,494	5,844	2,097	3,747
15:00	5,510	2,223	3,287	6,542	2,248	4,294	6,550	2,356	4,194
16:00	5,986	2,420	3,566	6,782	2,509	4,273	6,792	2,598	4,194
17:00	5,994	2,388	3,606	6,859	2,750	4,109	6,578	2,498	4,080
18:00	4,460	1,484	1,976	4,926	1,794	3,132	4,931	1,795	3,136
19:00	2,974	1,194	1,780	3,498	1,284	2,214	3,611	1,303	2,308
20:00	2,322	960	1,362	2,754	1,087	1,667	3,114	1,312	1,802
21:00	1,969	805	1,164	1,903	735	1,168	2,221	839	1,382
22:00	1,361	631	730	1,326	574	752	1,437	608	829
23:00	763	289	474	917	372	545	972	371	601
Volume	50,669	19,417	30,252	84,217	32,611	51,606	88,863	33,985	54,878
AM Peak				7 201	7 027	4 603	7 262	2 016	1 508
AM Peak				7,391	2,527	4,003	7,303	2,910	4,558
Fct				0.90	0.93	0.91	0.91	0.92	0.93
AM Peak				7.15	6:45	7.15	7.15	6.45	7.15
PM Peak				7.15	0.45	7.15	7.15	0.45	7.15
Vol	6,246	2,520	3,726	7,071	2,802	4,319	6,966	2,803	4,209
PM Peak Fct	0.96	0 95	0 93	0 98	0 92	0.96	0 98	0.96	0 97
PM Peak	0.30	0.35	0.95	0.30	0.92	0.90	0.90	0.30	0.97
Hr	16:30	16:30	16:30	16:30	16:30	15:15	16:45	16:45	16:30
Seasonal	0 937	0 937	0 937	0 937	0 937	0 937	0 937	0 937	0 937
Daily Ect	0.937	0.937	0.337	0.337	0.337	0.007	0.937	0.916	0.937
Axle Ect	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Pulse Fct	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000

	Fi	Friday 08/25/2017		Saturday 08/26/2017			
	ROAD	S	N	ROAD	S	N	
0:00	541	253	288	844	401	443	
1:00	328	153	175	492	213	279	
2:00	287	115	172	400	218	182	
3:00	392	162	230	368	192	176	
4:00	904	337	567	547	196	351	
5:00	2,109	914	1,195	1,081	415	666	
6:00	4,818	2,215	2,603	1,854	789	1,065	
7:00	6,779	2,651	4,128	2,616	1,105	1,511	
8:00	5,834	2,234	3,600	3,548	1,408	2,140	
9:00	5,209	2,023	3,186	4,332	1,550	2,782	
10:00	4,831	1,777	3,054				
11:00	5,071	1,848	3,223				
12:00	4,765	1,452	3,313				
13:00	5,427	2,031	3,396				
14:00	6,076	2,199	3,877				
15:00	6,703	2,483	4,220				
16:00	6,468	2,462	4,006				
17:00	6,422	2,352	4,070				
18:00	5,354	1,847	3,507				
19:00	3,829	1,311	2,518				
20:00	3,083	1,168	1,915				
21:00	2,732	1,037	1,695				
22:00	1,994	820	1,174				
23:00	1,470	564	906				
Volume	91,426	34,408	57,018	16,082	6,487	9,595	
AM Peak Vol	6,879	2,743	4,289				
AM Peak Fct	0.91	0.93	0.88				
AM Peak Hr	7:15	6:45	7:15				
PM Peak Vol	6,703	2,548	4,220				
PM Peak Fct	0.97	0.96	0.98				
PM Peak Hr	16:30	16:30	15:00				
Seasonal Fct	0.937	0.937	0.937	0.937	0.937	0.937	
Daily Fct	0.890	0.890	0.890	1.115	1.115	1.115	
Axle Fct	0.500	0.500	0.500	0.500	0.500	0.500	
Pulse Fct	2.000	2.000	2.000	2.000	2.000	2.000	

SR 445 Traffic Outcomes

SR 445: Disc Dr. Traffic Outcomes					
STATION	0310340				
ROUTE	SR445				
LOCATION	3 mi S of Disc Dr.				
FROM CROSS STREET	Queen Way				
TO CROSS STREET	Disc Dr.				
LATITUDE	39.57				
LONGITUDE	-119.75				
AADT_2017	47,000				
AADT_2016	41,000				
AADT_2015	45,000				
AADT_2014	40,500				

SR 445: La Posada Rd Outcomes					
STATION	0310341				
ROUTE	SR445				
LOCATION	.25 mi S of La Posada Rd.				
FROM CROSS STREET	Dolores Dr.				
TO CROSS ST	La Posada Dr.				
LATITUDE	39.64				
LONGITUDE	-119.71				
AADT_2017	31,000				
AADT_2016	35,000				
AADT_2015	32,500				
AADT_2014	29,500				

La Posada Travel Times

Segment	Route	Distance (mi) Travel Time (mir		Speed (mph)		
I-80						
Eagle Dawn to TRIC	Existing	23.3	35	40		
TRIC to Eagle Dawn	Existing	23.3	39	36		
	Round Trip	46.6	74	38		

La Posada Route - 1A (90%)						
Eagle Nest to TRIC	La Posada - 1A	12.3	16	45		
TRIC to Eagle Nest	La Posada - 1A	12.3	16	45		
	Round Trip	24.6	33	45		

	50% TRIC traffic from Eagle Nest				
Eagle Nest to TRIC	La Posada - 1B	16	21	45	
TRIC to Eagle Nest	La Posada - 1B	16.8	22	45	
	Round Trip	32	43	45	

	Assumption				
Eagle Nest to TRIC	La Posada - 2A	13	17	45	
TRIC to Eagle Nest	La Posada - 2B	13	17	45	
	Round Trip	33.6	45	45	

	25% TRIC traffic from Eagle Nest				
Eagle Nest to TRIC	La Posada - 2B	16.8	22	45	
TRIC to Eagle Nest	La Posada - 2B	16.8	22	45	
	Round Trip	26	35	45	

	Assumption						
Eagle Nest to TRIC	Nest to TRIC La Posada - 3A 13 22 45						
TRIC to Eagle Nest	La Posada - 3A	13	22	45			

La Posada Route - 3B (10%)				
Eagle Nest to TRIC	La Posada - 3B	16.7	22	45
TRIC to Eagle Nest	La Posada - 3B	16.7	22	45
	Round Trip	33.4	45	45

Avg. Distance	Avg. TT				
29.3	39				
TT Savings / Vehicle (min)					
35					

25% TRIC traffic from Eagle Nest

Assumption

South Meadows Travel Times

Segment	Route	Distance (mi)	Travel Time (min)	Speed (mph)
Veterans Pkwy / South Meadows Pkwy to TRIC	Existing	26.6	34	47
TRIC to Veterans Pkwy / South Meadows Pkwy	Existing	27.5	37.5	44
	Round Trip	54.1	71.5	45

Proposed				
Veterans Pkwy / South Meadows	New	20	27	45

тт	Savings / Vehicle	(min)
	9.1	

Other Travel Times

Project 15 (Patrick Interchange)	No quantitative savings (2040 analysis showed zero (0) intersection		
	delay)		
Project 16 (Lockwood Interchange)	N/A		
Project 29 (McCarran Interchange)	Intersection delay savings: 65.5 seconds / vehicle		
Project 21 Aux Lane	Can assume 10% increase in speed		
Project 22 Widen to Three Lanes	Can assume 10% increase in speed		
Project 23 Aux Lanes	Can assume 10% increase in speed		
Project 24 Widen to Three Lanes	Can assume 10% increase in speed		
Pyramid – US 395 Connector			
(Phase 1 to 5)			
Phase 1	0.7 minutes / vehicle		
Phase 2	0.5 minutes / vehicle		
Phase 3	8.4 minutes/ vehicle		
Phase 4	1.2 minutes / vehicle		
Phase 5	20.7 minutes / vehicle		

Corridor Scoring

Location	Description	2040 Travel Time Savings (min)	2020 Travel Time Savings (min)
I-80 east	Widening from McCarran to USA Parkway	17.5	0.5
I-80 west	EB widening from McCarran to Keystone	0.4	0.2
I-580	Various Auxiliary Lanes	0.4	0.15
US 395	Widening from Parr to Red Rock	4.6	-

Note: TT savings are reduction in min/vehicle. The data for TT is from RSFTS HCS & VISSIM analysis

I-80 East

2020							
			Savings				
	No-A	ction					
	AM	PM	AM	PM			
EB	15.7	16.0	15.7	15.9	0.05		
WB	16.9	17.6	16.8	16.8	0.45		

2040						
			Savings			
	No-A	ction	ild			
	AM	PM	AM	PM		
EB	15.7	16.2	15.6	15.7	0.3	
WB	29.6	37.8	16.5	16.6	17.2	

	No-Action		Bu	ild	
	AM	PM	AM	PM	
EB	67.2	65.3	68.1	67.5	1.6
WB	36.4	28.5	65.4	64.9	32.7

<u>I-80 West</u>

2020					
		Savings			
	No-A	ction	Bu	ild	
	AM	PM	AM	PM	
EB	4.1	4	3.9	3.9	0.2

2040					
Travel Time (min)				Savings	
	No-Act	No-Action		ild	
	AM	PM	AM	PM	
EB	4.7	4	4	3.9	0.4

	Average Speed (mph)				
	No-Act	ion	Bu	ild	
	AM	PM	AM	PM	
EB	54.3	63	63.9	64.3	5.5

2020						
	Travel Time (min)					
	No-Action		Build			
	AM	PM	AM	PM		
NB	8.7	8.7	8.7	8.7	0	
SB	8.4	8.7	8.3	8.5	0.2	

2040						
	Travel Time (min)					Savings
	No-Action		Build			
	AM	PM	AM	PM		
NB	8.9	8.9	8.8	8.8		0.1
SB	8.5	9.2	8.4	8.7		0.3

	Average Speed (mph)				
	No-Action		Build		
	AM	PM	AM	PM	
NB	58.8	58.7	59	59.1	0.3
SB	62.1	57.7	62.9	61	2.1

<u>US 395</u>

2017						
	Travel Time (min)					
	Existing Co	ondition	Average			
	AM	PM	Average			
NB	8.7	12.8	10.8			
SB	13.4	10.3	11.9			

2020				
	Travel Time (min)			
	No-Action		Average	
	AM	PM	Average	
NB	8.5	12.6	10.6	
SB	11.1	8.8	9.9	

2040						
	Travel Time	Savings				
	No-Action		Build			
	AM	PM	AM	PM		
NB	8.5	17.5	8.5	8.8	4.4	
SB	9.1	8.7	8.7	8.5	0.2	

SUB-SECTION C - IMPROVING SAFETY

	Overall Improving Safety					
Total Score	Ranking	Score				
	HIGH	67				
100	MEDIUM	45.5 - 92.0				
	LOW	33				
This section accounts for the safety component, specifically the crash data, within the given limits of a project.						

For new alignments, the crash data (rate and severity) along the existing route is used. The existing route is defined as the predominant NDOT facility to see the greatest shift in traffic volumes once the new alignment is complete.

C1 - Crash Severity						
Maximum	Crash Severity Scoring Summary					
Score	Max.	Min.	Score			
	0	0.1	0			
	0.11	0.5	8.0			
10.0	0.51	0.75	16.0			
40.0	0.76	0.9	24.0			
	0.91	0.99	32.0			
		1				
	Score is equa	I to crash severity multiplied by max sc	ore (40)			
	Description					
The Crash Severity is a ratio based on the number of severe crashes to number of total crashes. Fatalities are weighted 6.67 to that of injury or property damage only crashes.						
	Crash Severity Rat	io = 6.67(Fatal) + (Iniury) / Total numb	er to Crashes			

	C2 - Crash reduction (CMF)					
Maximum		Crash Reduction Scoring Summary				
Score	Min.	Max.	Score			
	0.95	1	0			
	0.86	0.95	13.3			
40.0	0.76	0.85	26.7			
	0	0.75	40.0			
Description						
A crash moo implementi	dification factor (CMF) is a multing a given countermeasure at a	tiplicative factor used to compute the ex a specific site. A CMF reflects the safety of	pected number of crashes after effect of a countermeasure,			

whether it is a decrease in crashes (CMF below 1.0), increase in crashes (CMF over 1.0) or no change in crashes (CMF of 1.0) New alignments do not receive points for crash reduction.

CMF1 * CMF 2 * CMF3 Use no more than the top three CFFs
	C3 - Crash Rate						
Maximum		Crash Rate Scoring Summary					
Score	Min.	Max.	Score				
	0	0.25	0				
	0.26	0.35	3.3				
	0.36	0.5	6.7				
20.0	0.51	0.75	10.0				
	0.76	0.99	13.3				
	1	2	16.7				
		2	20.0				
		Description					
Crash Rate	is defined as the number of cr	ashed per 1M Miles traveled.					
Cras	sh Rate = Total Number of cra	shes in a given period / 1M Vehicle Miles	Traveled in the same period				

						mproving Saf	ety	
	Study	Location	Description	Crash Severity	Crash Rate	Crash Reduction (CMF)	Total Safety Score	Weighted Safety Score
				40.0%	20.0%	40.0%	100.0%	27.5%
Ro	adway	l						
	Reno Sparks Freeway Traffic Study							
1		US 395	Widen US-395 from Clear Acre Lane to Red Rock Drive (MP 27.06 to 35.81)	8.0	10.0	40.0	58.0	16.0
2		I-80 East	Widen I-80 from McCarran Boulevard to USA Parkway (MP 17.56 to 32.75)	8.0	10.0	40.0	58.0	16.0
3		1-580	New Auxiliary Lanes between interchanges: 1. NB I-580 Moana Ln to Virginia St (MP 22.56 to 21.51) 2. NB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP 20.72 to 21.51) 3. SB I-580 Moana Ln to Virginia St/Kietzke Ln (MP 22.56 to 21.51) 4. SB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP20.72 to 21.51)	8.0	16.7	26.7	51.4	14.1
4		I-80 West	Widen EB I-80 Robb Drive to Keystone Avenue (MP 9.23 to 12.48)	8.0	10.0	40.0	58.0	16.0
5	EDAWN La Posada Study	La Posada Alternatives	Potential roadway connection from La Posada to USA Parkway	8.0	10.0	13.3	31.3	8.6
6	Sparks TMSA Study	La Posada						
7	NDOT South Meadows Evaluation	South Meadows Connector	New alignment from South Meadows to USA Parkway	8.0	10.0	40.0	58.0	16.0
8	Pyramid/ US 395 Connector	Connection between Pyramid and US 395 (Overall)	New alignment currently under EIS study	8.0	10.0	40.0	58.0	16.0
9		Phase 1	Widen Pyramid Hwy between Queen Way and Sparks Blvd. (MP 1.97 to 5.44)	8.0	10.0	40.0	58.0	16.0

				Improving Safety				
	Study	Location	Description	Crash Severity	Crash Rate	Crash Reduction (CMF)	Total Safety Score	Weighted Safety Score
_				40.0%	20.0%	40.0%	100.0%	27.5%
<u>Roa</u>	<u>dway</u>		Widen Diss Dr					
10		Phase 2	from Pyramid hwy. to Vista Blvd.	8.0	10.0	40.0	58.0	16.0
11		Phase 3	Construct new US 395 Connector from Parr interchange to Pyramid Highway	8.0	10.0	40.0	58.0	16.0
12		Phase 4	Add new direct connect Ramps at US395 w/ widening of US395	8.0	10.0	40.0	58.0	16.0
13		Phase 5	Widen Pyramid highway from Sparks Blvd. to Calle De La Plata (MP 5.44 to 9.75)	8.0	10.0	40.0	58.0	16.0
14		Phase 6	New interchange near Sun Valley local improvements	8.0	10.0	40.0	58.0	16.0
	SEC Alignment							
	Studies Storey County Land Use							
15		Patrick/I-80 Interchange	Reconstruct Interchange	8.00	3.3	40	51.3	14.1
16		Lockwood/I-80 Interchange	Reconstruct Interchange	8.00	3.3	40	51.3	14.1
17		Vanpooling	See transit column below					
18		TRIC internal transit/rail	NDOT currently studying as part of inter-county regional transit study					
19	Reno Spaghetti Bowl	I-80/I-580/US 395 System Interchange	Reconstruct Interchange	8.0	10.0	40.0	58.0	16.0
20	NDOT Autonomous Vehicles Grant	I-80	Feasibility of a pilot AV corridor project	8.00	10	26.7	44.7	12.3
	2009 I-80 Corridor Study							

				Improving Safety				
	Study	Location	Description	Crash Severity	Crash Rate	Crash Reduction (CMF)	Total Safety Score	Weighted Safety Score 27.5%
Roa	dway			40.076	20.070	40.076	100.076	27.370
100		Patrick/I-80	Reconstruct					
		Interchange	Interchange					
		Lockwood/I-80	Reconstruct					
		Interchange	Interchange					
			Construct					
		Patrick I-80	Roundabout					
		interchange	ramp termini					
		Lockwood/I-80	Construct					
		Interchange	Roundabout					
			ramp termini					
21		Eastbound I-	McCarran to	8.0	10.0	26.7	44.7	12.3
		80 - Aux Lanes	Sparks					
22		Eastbound I-	Widen to 3	8.0	10.0	26.7	447	12.2
~~		to Vista	lanes	0.0	10.0	20.7	44.7	12.5
		Eastbound						
		Vista to	Add auxiliary					
		Lockwood	lane					
		Eastbound	Widen to 3					
		Vista to Patrick	lanes					
		Westbound	Add auxiliary					
23		Spark to	lane	8.0	10.0	26.7	44.7	12.3
		Wiccarran						
24		Vista to	Widen to 3	8.0	10.0	26.7	117	12.3
24		McCarran	lanes	0.0	10.0	20.7	44.7	12.5
		Westbound						
		Lockwood to	Add auxiliary					
		Vista	lane					
		Westbound	Widen to 3					
		Patrick to Vista	lanes					
25		Install ITS	E. McCarran to	8.0	10.0	13.3	31.3	8.6
		backbone	Wadsworth					
	<u>Freight</u>				1		F	
	Nevada State Freight Plan							
26		I-80 Safety Improvements	Eastern Truckee Canyon (USA Parkway interchange improvements)	8	10	40	58.0	16.0
		I-80 USA						
27		Parkway Interchange		8	3.3	40	51.3	14.1
		0-	New interchange			1		
20		Lockwood	including bridge					
20		Interchange	over the Truckee					
			River					
	NDOT Statewide							
	i ruck Parking			1				

	Implementation Plan							
	1 -					Improving Sat	fety	
	Study	Location	Description	Crash Severity	Crash Rate	Crash Reduction (CMF)	Total Safety Score	Weighted Safety Score
				40.0%	20.0%	40.0%	100.0%	27.5%
Roa	<u>dway</u>							
Oth	er							
29	McCarran SMP		Construct new interchange at McCarran Boulevard	8.0	10.0	26.7	44.7	12.3
30	I-80 Reversible Lanes		Reversible lanes from Vista to USA Parkway	8.0	10.0	26.7	44.7	12.3
31	City of Sparks	Vista Interchange	Construct new interchange at Vista Blvd.	13.2	10.0	40.0	59.9	11.7
32	RTC	Clean Water Way	Clean Water By- Pass (From Veterans Pkwy to I-80) (Eastbound)	13.2	6.7	40.0	59.9	16.5
33	I-80 Reversible Lanes	Vista to USA Pkwy	Reversible lanes from Vista to USA Pkwy	13.2	10.0	40.0	63.2	17.4
34	Eagle Canyon Alignment	Lemmon Valley to Spanish Springs	New alignment from Spanish Springs to Lemmon Valley	13.2	10.0	0.0	23.2	6.4
	Transit/Rideshare	<u>1</u>						
	RTC Commuter							
	Tesla Park and							
	Ride BTC Vannool							
	Operational Agen	cy Plans		I				L
	NDOT Inter- County and Regional Transit Plan							
	EDWAN Transit Management Association							

1. Crash Analysis

Provided by NNTS

The following section presents the crash analysis of crash data obtained from NDOT for the five-year period from September 30, 2010 to October 1, 2015. Utilizing the crash data provided a corridor crash analysis was performed on the following roadways US 395 from I-80 to NV-CA Stateline, I 580 from Mount Rose highway to I-80 and I-80 from the CA/NV Stateline to USA Parkway, excluding the section between W. McCarran and E. McCarran.

The crash rates for US 395, I 580 and I 80 have been compared to other NDOT roadways with the same roadway classification and year.

The crash rates were calculated using the following variables:

$$R = \frac{C \ x \ 1,000,000}{V \ x \ 365 \ x \ N \ x \ L}$$

- R = Crash rate for the corridor expressed as crashes per 100 million vehicle-miles
- C = Total number of crashes along the corridor in the study time period
- V = Total number of vehicles using the corridor, expressed in Average Annual Daily Traffic AADT
- N = Number of years of data
- L = Length of the corridor in miles

1.1 Existing Corridor Crash Data Analysis US 395

The crash data along US 395 was evaluated and analyzed from I-80 to the NV/CA Stateline (WA MP 27.80 to WA MP 41.63). This section was then broken into two segments the first being from the NV/CA Stateline to the northern limits of the Lemon Valley Interchange (WA MP 27.80 to WA MP 32.44) and the second being from the northern limits of the Lemmon Valley Interchange to the northern limits of the McCarran/Clear Acre Interchange (WA PM 32.44 to WA MP 41.63).

Figure 1. As shown below, is the number of crashes along the corridor for the number of fatal crashes, the number of injury crashes, the number of property damage only (PDO) crashes and the total number of crashes.



- 1. The US 395 corridor had a total of 711 crashes with in the entire section, five fatal crashes with five fatalities, 14 serious injury crashes with 14 serious injuries. The segments listed below show the predominant crash types.
 - a. Segment one had a total of 392 crashes, with two fatal crashes, two serious injury crashes with two serious injuries. The predominant crash types, descending by the number of crashes are Non-Collision (217), Rear-End (164) and Sideswipe Same Direction (107). The Non-Collision crashes were 1.52 times higher in the northbound direction, the Rear-End crashes were 2.00 times higher in the southbound direction.
 - b. Segment two had a total of 319 crashes, with three fatal crashes with three fatalities, 12 severe injury crashes with 12 severe injuries. The predominant crash types, descending by the number of crashes are Non-Collision (220), Rear-End (55) and Sideswipe Same Direction (30). The Non-Collision crashes were 1.35 times higher in the northbound direction, the Rear-End crashes were 1.93 times higher in the southbound direction.

Table 1, as shown below, is the analysis of this data. The crash rate for this corridor exceeds the average for the following: the fatal crash rate, and the serious injury crash rate.

NDOT URBAN PRINCIPAL ARTERIAL OTHER FREEWAYS	US 395 WA MP 27.80 to	US 395 WA MP 27.80 to	US 395 WA MP 32.44 to
& EXPRESSWAYS (2015)	WA MP 41.63	WA MP 32.44	WA MP 41.63
0.0018	0.0023	0.0038	0.0077
0.5690	0.0994	0.2078	0.2702
0.9771	0.2270	0.5288	0.5430
1.5479	0.54	0.3287	0.7404
0.0142	0.0065	0.0038	0.0309
	NDOT URBAN PRINCIPAL ARTERIAL OTHER FREEWAYS & EXPRESSWAYS (2015) 0.0018 0.5690 0.9771 1.5479 0.0142	NDOT URBAN PRINCIPAL US 395 ARTERIAL OTHER FREEWAYS WA MP 27.80 to & EXPRESSWAYS (2015) WA MP 41.63 0.0018 0.0023 0.5690 0.0994 0.9771 0.2270 1.5479 0.54 0.0142 0.0065	NDOT URBAN PRINCIPAL ARTERIAL OTHER FREEWAYS & EXPRESSWAYS (2015) US 395 US 395 0.0018 WA MP 27.80 to WA MP 41.63 WA MP 27.80 to WA MP 32.44 0.0018 0.0023 0.0038 0.5690 0.0994 0.2078 0.9771 0.2270 0.5288 1.5479 0.54 0.3287 0.0142 0.0065 0.0038

Table 1. US 395 Crash Rates

Crash rates per million vehicle-miles

1.2 Existing Corridor Crash Data Analysis I-580

The crash data along I-580 was evaluated and analyzed from the northern limits of Mount Rose Highway to I-80 (WA MP 14.90 to WA MP 23.31). This section was then broken into two segments the first segment being from northern limits of

Mount Rose Highway to the southern limits of South Meadows Parkway (WA MP 14.90 to WA MP 18.01) and the second segment being from the southern limits of South Meadows Parkway to the southern limits of Plumb/Villanova Interchange (WA MP 18.01 to 23.31).

Figure 2. As shown below, is the number of crashes along the corridor for the number of fatal crashes, the number of injury crashes, the number of property damage only (PDO) crashes and the total number of crashes.





- 1. The I-580 corridor had a total of 1,211 crashes with-in the entire section, five serious injury crashes with five serious injuries. The segments listed below show the predominant crash types.
 - a. Segment one had a total of 256 crashes, one serious injury crash with one serious injury. The predominant crash types, descending by the number of crashes are Non-Collision (150), Rear-End (41), and Sideswipe Same Direction (31). The Non-Collision crashes were 1.25 times higher in the northbound direction, Rear-End crashes were 1.35 times higher in the southbound direction, the Sideswipe Same Direction crashes were 1.87 times higher in the northbound direction.
 - b. Segment two had a total of 955 crashes, five severe injury crashes with five severe injuries. The predominant crash types, descending by the number of crashes are Rear-End (454), Non-Collision (323), and Sideswipe Same Direction (119). The Rear-End crashes were 1.18 times higher in the southbound direction.

Table 2, as shown below, is the analysis of this data. All of the crash rates for this corridor are below the average for the following: property damage only (PDO) crash rate, the injury crash rate, the fatal crash rate, the total crash rate, and the injury crash rate.

Crash Type	NDOT PRINCIPAL ARTERIAL INTERSTATE (2015)	I580 WA MP 14.90 to WA MP 23.31	I580 WA MP 14.90 to WA MP 18.01	I580 WA MP 18.01 to WA MP 23.31
Fatal	0.0062	0.0000	0.0000	0.0000
Injury	0.7176	0.1478	0.2277	0.2773
PDO	1.3422	0.3346	0.5195	0.6265

Table 2, I-580 Crash Rates

Total	2.0661	0.4824	0.7472	0.9038
Serious Injury (Subset of Iniury Crashes)	0.0146	0.0024	0.0029	0.0047

Crash rates per million vehicle-miles

1.3 Existing Corridor Crash Data Analysis I-80

The crash data along I 80 was evaluated and analyzed from the CA/NV Stateline to USA Parkway (WA MP 0.00 to WA MP 32.32) and was broken into two sections. Each section of was then broken in to two segments, the first section was from the NV/CA Stateline to the western limits of Keystone Interchange (WA MP 0.00 to WA MP 8.94) and the second section was from the eastern limits of E. McCarran Interchange to USA Parkway Interchange (WA MP 17.71 to WA MP 32.32), excluded the section between the westerly limits of Keystone Interchange and the easterly limits of E. McCarran Interchange.

Figures 3 and 4. As shown below, is the number of crashes along the corridor for the number of fatal crashes, the number of injury crashes, the number of property damage only (PDO) crashes and the total number of crashes.







- 1. The first section of I-80 corridor had a total of 523 crashes, two fatal crashes with two fatalities, three serious injury crashes with three serious injuries. The segments listed below show the predominant crash types.
 - a. Segment one had a total of 328 crashes, two fatal crashes with two fatalities, three serious injury crashes with three serious injury. The predominant crash types, descending by the number of crashes are Non-Collision (212), Rear-End (38), and Sideswipe Same Direction (38). The Non-Collision crashes were 1.20 times higher in the eastbound direction, the Rear-End crashes were 1.10 times higher in the westbound direction and the Sideswipe Same Direction crashes were 1.66 times higher in the eastbound direction.
 - b. Segment two had a total of 195 crashes, one severe injury crash with one severe injury. The predominant crash types, descending by the number of crashes are Non-Collision (84), Rear-End (59), and Sideswipe Same Direction (33). The Non-Collision crashes were 1.40 times higher in the eastbound direction, Rear-End crashes were 3.50 times higher in the westbound direction and the Sideswipe Same Direction crashes were 1.50 times higher in the eastbound direction

Table 4, as shown below, is the analysis of this data. All of the crash rates for this corridor are below the average for the following: property damage only (PDO) crash rate, the injury crash rate, the fatal crash rate, the total crash rate, and the injury crash rate.

	NDOT PRINCIPAL	180	180	180
Crash Type	ARTERIAL	WA MP 0.00 to	WA MP 0.00 to	WA MP 8.94 to
	INTERSTATE (2015)	WA MP 12.20	WA MP 8.94	WA MP 12.20
Fatal	0.0062	0.0021	0.0038	0.0000
Injury	0.7176	0.1354	0.1376	0.1771
PDO	1.3422	0.4200	0.4855	0.4508
Total	2.0661	0.5575	0.6269	0.6279
Serious Injury				
(Subset of	0.0146	0.0032	0.0038	0.0032
Injury Crashes)				

Table 4. I-80 Crash Rates

- 2. The second section of I-80 corridor had a total of 613 crashes, two fatal crashes with two fatalities, nine serious injury crashes with nine serious injuries. The segments listed below show the predominant crash types.
 - a. Segment one had a total of 311 crashes, two fatal crashes with two fatalities, three serious injury crashes with three serious injuries. The predominant crash types, descending by the number of crashes are Non-Collision (147), Rear-End (92), and Sideswipe Same Direction (43). The Non-Collison crashes were 1.07 times higher in the westbound direction, the Rear-End crashes were 2.24 times higher in the eastbound direction and the Sideswipe Same Direction were 1.57 times higher in the westbound direction.
 - b. Segment two had a total of 302 crashes, six severe injury crashes with six severe injuries. The predominant crash types, descending by the number of crashes are Non-Collision (192), Rear-End (50), and Sideswipe Same Direction (42). The Non-Collison crashes were 1.11 times higher in the westbound direction, the Rear-End crashes were 1.33 times higher in the eastbound direction.

Table 5, as shown below, is the analysis of this data. All of the crash rates for this corridor are below the average for the following: property damage only (PDO) crash rate, the injury crash rate, the fatal crash rate, the total crash rate, and the injury crash rate.

	NDOT PRINCIPAL	I-80	I-80	I-80
Crash Type	ARTERIAL	WA MP 17.71 to	WA MP 17.91 to	WA MP 22.73 to
	INTERSTATE (2015)	WA MP 32.32	WA MP 22.73	WA MP 32.32
Fatal	0.0062	0.0009	0.0021	0.0000
Injury	0.7176	0.2369	0.2669	0.2585
PDO	1.3422	0.4034	0.4720	0.4282
Total	2.0661	0.5672	0.6642	0.5960
Serious Injury	0.0146	0.0000	0.0004	0.0110
(Subset of Injury Crashes)	0.0146	0.0083	0.0064	0.0118

Table 5. I-80 Crash Rates

Crash rates per million vehicle-miles

Crash Modification Factors and Crash Reduction Factors

CIVIF ID: 8330 - Install an additional lane	CMF	ID:	8336 -	Install	an	additional	lane.
---------------------------------------------	-----	-----	--------	---------	----	------------	-------

Crash Modification Factor (CMF)	Value	0.74
	Adjusted Standard Error	-
	Unadjusted Standard Error	0.098
Crash Reduction Factor (CRF)	Value	26
	Adjusted Standard Error	-
	Unadjusted Standard Error	9.8

CMF ID: 7440 – Add continuous auxiliary lane for weaving between entrance ramp and exit ramp.

Crash Modification Factor (CMF)	Value	0.79	
	Adjusted Standard Error	-	
	Unadjusted Standard Error	-	
Crash Reduction Factor (CRF)	Value	21	
	Adjusted Standard Error	-	
	Unadjusted Standard Error	-	

CMF ID: 75 – Install changeable crash ahead warning signs.

Crash Modification Factor (CMF)	Value	0.56	
	Adjusted Standard Error	0.17	
	Unadjusted Standard Error	0.09	
Crash Reduction Factor (CRF)	Value	44	
	Adjusted Standard Error	17	
	Unadjusted Standard Error	9	

CMF ID: 3140 – Convert a Type I exit ramp to a Type III exit ramp.

Crash Modification Factor (CMF)	Value	0.79
	Adjusted Standard Error	-
	Unadjusted Standard Error	0.07
Crash Reduction Factor (CRF)	Value	21
	Adjusted Standard Error	-
	Unadjusted Standard Error	7

CMF ID: 474 – Extend acceleration lane by approximately 98 feet (30 m).

Crash Modification Factor (CMF)	Value	0.89
	Adjusted Standard Error	0.05
	Unadjusted Standard Error	0.03
Crash Reduction Factor (CRF)	Value	11
	Adjusted Standard Error	5
	Unadjusted Standard Error	3

CMF ID: 842 – Install acceleration and deceleration lanes.

Crash Modification Factor (CMF)	Value	0.74
	Adjusted Standard Error	-
	Unadjusted Standard Error	-
Crash Reduction Factor (CRF)	Value	26
	Adjusted Standard Error	-
	Unadjusted Standard Error	-

CMF ID: 477 – Provide long ramp instead of a short ramp.

Crash Modification Factor (CMF)	Value	0.62
	Adjusted Standard Error	0.1
	Unadjusted Standard Error	0.06
Crash Reduction Factor (CRF)	Value	38
	Adjusted Standard Error	10
	Unadjusted Standard Error	6

CMF ID: 5436 – Install ramp meter.

Crash Modification Factor (CMF)	Value	0.64
	Adjusted Standard Error	-
	Unadjusted Standard Error	0.07
Crash Reduction Factor (CRF)	Value	36
	Adjusted Standard Error	-
	Unadjusted Standard Error	7

CMF ID: 8730 – Install variable speed limits.

Crash Modification Factor (CMF)	Value	0.71
	Adjusted Standard Error	-
	Unadjusted Standard Error	0.05
Crash Reduction Factor (CRF)	Value	29
	Adjusted Standard Error	-
	Unadjusted Standard Error	5

CMF ID: 5285 – Widen paved shoulder from three feet to eight feet.

Crash Modification Factor (CMF)	Value	0.71
	Adjusted Standard Error	-
	Unadjusted Standard Error	-
Crash Reduction Factor (CRF)	Value	29
	Adjusted Standard Error	-
	Unadjusted Standard Error	-

I-580 Crash Data: Crash Severity

Row Labels	Sum of Fatal	Sum of	Sum of Injury	Sum of	Sum of PDO	Sum of Total
	Crasnes	Fatalities	Crasnes	injuries	Crasnes	Crasnes
14.9 TO 15.42 North half of Mt. Rose	0	0	14	27	33	47
15.43 TO 15.91	0	0	9	10	15	24
15.92 TO 16.56 S Virginia Exit 57	0	0	15	21	28	43
16.57 TO 17.38 Damonte Ranch	0	0	31	40	77	108
17.39 TO 18	0	0	9	11	25	34
18.01 TO 18.29 S Meadows	0	0	6	8	11	17
18.3 TO 18.65	0	0	17	19	29	46
18.66 TO 19.59 S Virginia Exit 61	0	0	19	25	63	82
19.6 TO 20.42	0	0	22	30	59	81
20.43 TO 21.39 Neil Off/Meadowood Mall On	0	0	51	71	108	159
21.4 TO 21.95 S Virginia Exit 63	0	0	36	50	73	109
21.96 TO 22.26	0	0	20	26	56	76
22.27 TO 22.79 Moana Interchange	0	0	61	83	126	187
22.8 TO 23.3	0	0	61	90	137	198
23.31 TO 23.94 Plumb/Villanova Interchange	0	0	53	71	128	181
23.95 TO 24.17	1	2	20	25	49	70
24.18 TO 24.73 Mill Interchange	1	1	48	66	124	173
24.74 TO 25.17 Glendale Interchange	2	2	105	139	246	353
25.18 TO 25.33	0	0	58	82	143	201
25.34 TO 25.81	0	0	49	63	113	162

Row Labels	Rear - End	Non - Collision	Sideswipe Same Dir.	Angle	Backing	Rear-To- Rear	Head- On	Sideswipe Opposite Dir.
14.9 TO 15.42 North half of Mt. Rose	5	28	4	10	0	0	0	0
15.43 TO 15.91	2	17	0	5	0	0	0	0
15.92 TO 16.56 S Virginia Exit 57	7	24	4	8	0	0	0	0
16.57 TO 17.38 Damonte Ranch	23	58	19	3	2	0	0	0
17.39 TO 18	4	23	4	3	0	0	0	0
18.01 TO 18.29 S Meadows	5	11	1	0	0	0	0	0
18.3 TO 18.65	14	22	7	1	0	0	0	0
18.66 TO 19.59 S Virginia Exit 61	18	45	11	7	0	0	0	0
19.6 TO 20.42	23	43	10	5	0	0	0	0
20.43 TO 21.39 Neil Off/Meadowood Mall On	71	56	24	5	0	0	0	0
21.4 TO 21.95 S Virginia Exit 63	54	37	12	3	1	0	0	0
21.96 TO 22.26	39	23	7	7	0	0	0	0
22.27 TO 22.79 Moana Interchange	125	36	13	8	0	0	0	0
22.8 TO 23.3	105	50	34	7	1	0	0	0
23.31 TO 23.94 Plumb/Villanova Interchange	91	50	32	5	0	0	0	0
23.95 TO 24.17	33	18	14	1	0	0	1	0
24.18 TO 24.73 Mill Interchange	82	45	37	5	0	1	0	0
24.74 TO 25.17 Glendale Interchange	147	107	77	20	1	0	0	0
25.18 TO 25.33	85	63	42	9	1	1	0	0
25.34 TO 25.81	49	64	36	10	1	1	0	0

2015 FUNCTIONAL CLASSIFICATION CRASH RATES

RURAL	TOTAL AVM	TOTAL P.D.O CRASHES	P.D.O CRASH RATE	TOTAL INJURY CRASHES	INJURY CRASH RATE	TOTAL FATAL CRASHES	FATAL CRASH RATE	TOTAL TRAFFIC CRASHES	CRASH RATE
RURAL INTERSTATE	2,105,755,628	702	0.3334	292	0.1387	24	0.0114	1,018	0.4834
PRINCIPAL ARTERIAL RURAL	1,462,952,197	628	0.4293	282	0.1928	26	0.0178	936	0.6398
MINOR ARTERIAL RURAL	387,570,625	352	0.9082	147	0.3793	9	0.0232	508	1.3107
MAJOR COLLECTOR ARTERIAL	333,613,843	256	0.7674	141	0.4226	12	0.0360	409	1.2260
MINOR COLLECTOR ARTERIAL	138,852,081	54	0.3889	25	0.1800	0	0.0000	79	0.5690
LOCAL RURAL	555,772,172	132	0.2375	21	0.0378	5	0.0090	158	0.2843
TOTAL	4,984,516,546	2,124	3.0647	908	1.3512	76	0.0152	3,108	0.6235

URBAN	TOTAL AVM	TOTAL P.D.O CRASHES	P.D.O CRASH RATE	TOTAL INJURY CRASHES	INJURY CRASH RATE	TOTAL FATAL CRASHES	FATAL CRASH RATE	TOTAL TRAFFIC CRASHES	CRASH RATE
PRINCIPAL ARTERIAL RURAL	4,165,409,383	5,591	1.3422	2,989	0.7176	26	0.0062	8,606	2.0661
URBAN PRINCIPAL ARTERIAL RURAL OTHER FREEWAYS & EXPRESSWAYS	1,685,547,772	1,647	0.9771	959	0.5690	3	0.0018	2,609	1.5479
PRINCIPAL ARTERIAL- OTHER	3,109,165,192	3,897	1.2534	4,377	1.4078	60	0.0193	8,334	2.6805
MINOR ARTERIAL URBAN	4,620,220,005	4,569	0.9889	6,251	1.3530	90	0.0195	10,910	2.3614
MAJOR COLLECTOR URBAN	44,797,658	24	0.5357	15	0.3348	2	0.0446	41	0.9152
MINOR COLLECTOR URBAN	1,915,590,872	1,701	0.8880	1,839	0.9600	21	0.0110	3,561	1.8590
	4,553,609,348	2,227	0.4891	1,360	0.2987	19	0.0042	3,606	0.7919
TOTAL	20,094,340,230	19,656	6.4744	17,790	5.6409	221	0.0110	37,667	1.8745

GRAND TOTAL 25,078,856,776 21	,780 0.8685	18,698 0.7456	297	0.0118	40,775	1.6259
-------------------------------	-------------	---------------	-----	--------	--------	--------

RURAL	TOTAL INJURIES	INJURY RATE	TOTAL A INJURIES	100M A INJURY RATE	TOTAL FATALITIES	100M FATALITY RATE	FATALITY RATE
RURAL INTERSTATE	466	0.2213	30	1.42	27	1.28	0.0128
PRINCIPAL ARTERIAL RURAL	460	0.3144	56	3.83	33	2.26	0.0226
MINOR ARTERIAL RURAL	228	0.5883	17	4.39	11	2.84	0.0284
MAJOR COLLECTOR ARTERIAL	188	0.5635	24	7.19	13	3.90	0.0390
MINOR COLLECTOR ARTERIAL	31	0.2233	3	2.16	0	0.00	0.0000
LOCAL RURAL	80	0.1439	8	1.44	5	0.90	0.0090
TOTAL	1,453	0.2915	138	2.77	89	1.79	0.0179

URBAN	TOTAL INJURIES	INJURY RATE	TOTAL A INJURIES	A INJURY RATE	TOTAL FATALITIES	100M FATALITY RATE	FATALITY RATE
PRINCIPAL ARTERIAL RURAL	4,453	1.0690	61	1.46	27	0.65	0.0065
URBAN PRINCIPAL ARTERIAL RURAL OTHER FREEWAYS & EXPRESSWAYS	1,403	0.8324	24	1.42	4	0.24	0.0024
PRINCIPAL ARTERIAL- OTHER	6,943	2.2331	225	7.24	66		0.0212
MINOR ARTERIAL URBAN	10,264	2.2215	341	7.38	91	1.97	0.0197
MAJOR COLLECTOR URBAN	21	0.4688	2	4.46	2		0.0446
MINOR COLLECTOR URBAN	2,834	1.4794	130	6.79	23	1.20	0.0120
LOCAL URBAN	1,819	0.3995	176	3.87	24	0.53	0.0053
TOTAL	27,737	1.3803	959	4.77	237	1.18	0.0118

GRAND TOTAL	29,190	1.1639	1097	4.37	326	1.30	0.0130

Crash Data, Disc Dr. (Pyramid to Vista), Washoe County

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1083972	Fatal Crash	4/22/2016	10:07:00 PM	SR445	N	Disc Dr.	2	1	No Data	к	Rear-end
947545	Injury Crash	1/1/2015	5:33:00 PM	SR445	S	N Los Altos Pkwy.	No Data	1	No Data	С	Rear-end
951954	Injury Crash	3/1/2015	12:46:00 PM	SR445	N	Disc Dr.	No Data	1	No Data	с	Rear-end
954322	Injury Crash	6/1/2015	6:20:00 PM	SR445	S	Disc Dr.	No Data	1	No Data	С	Rear-end
957100	Injury Crash	5/2/2015	1:03:00 PM	SR445	S	Disc Dr.	No Data	1	No Data	С	Rear-end
960211	Injury Crash	9/5/2015	10:16:00 AM	SR445	No Data	Disc Dr.	No Data	1	No Data	С	Angle
972960	Injury Crash	7/28/2015	6:38:00 PM	Galleria Pkwy.	N	Disc Dr.	No Data	3	No Data	С	Angle
973286	Injury Crash	9/3/2015	3:44:00 PM	Galleria Pkwy	E	Shoppers Way	No Data	1	No Data	с	Angle
973671	Injury Crash	10/19/2015	8:28:00 PM	SR445	No Data	Disc Dr.	No Data	2	No Data	с	Angle
976114	Injury Crash	12/1/2015	9:25:00 PM	SR445	No Data	Disc Dr.	No Data	2	No Data	с	Angle
977441	Injury Crash	12/19/2015	10:18:00 PM	SR445	N	Disc Dr.	No Data	2	No Data	В	Rear-end
979004	Injury Crash	4/27/2015	8:09:00 AM	Disc Dr.	E	Sparks Blvd.	No Data	2	No Data	с	Rear-end
980740	Injury Crash	8/30/2015	6:11:00 PM	Vista Blvd.	S	Disc Dr.	No Data	2	No Data	В	Rear-end
980811	Injury Crash	9/29/2015	4:36:00 PM	Vista Blvd.	N	Disc Dr.	No Data	2	No Data	В	Angle
982045	Injury Crash	12/12/2015	5:27:00 PM	Disc Dr.	No Data	Galleria Pkwy.	No Data	1	No Data	С	Angle
982058	Injury Crash	12/18/2015	9:51:00 PM	Disc Dr.	No Data	SR445	No Data	1	No Data	с	Rear-end
982068	Injury Crash	12/23/2015	10:11:00 AM	Disc Dr.	E	SR445	No Data	1	No Data	с	Angle
982649	Injury Crash	1/1/2016	7:45:00 AM	Disc Dr.	No Data	Sparks Blvd.	No Data	1	No Data	с	Non-collision
983701	Injury Crash	1/4/2016	1:00:00 PM	Vista Blvd.	No Data	Disc Dr.	No Data	2	No Data	В	Rear-end
989243	Injury Crash	3/23/2016	11:25:00 AM	Sparks Blvd.	No Data	Disc Dr.	No Data	1	No Data	С	Angle
1004062	Injury Crash	7/8/2016	3:02:00 PM	Disc Dr.	E	SR445	No Data	2	No Data	С	Rear-end
1006316	Injury Crash	7/17/2016	6:34:00 PM	Disc Dr.	w	Sparks Blvd.	No Data	1	No Data	С	Angle
1006942	Injury Crash	7/11/2016	2:38:00 AM	Disc Dr.	No Data	Harrier Way	No Data	1	No Data	В	Non-collision
1007619	Injury Crash	8/10/2016	6:39:00 AM	Disc Dr.	No Data	Sparks Blvd.	No Data	1	No Data	С	Rear-end
1013507	Injury Crash	10/12/2016	4:52:00 PM	Disc Dr.	E	SR445	No Data	2	No Data	с	Rear-end
1013937	Injury Crash	11/1/2016	7:06:00 AM	Vista Blvd.	No Data	Disc Dr.	No Data	1	No Data	С	Non-collision
1014206	Injury Crash	10/20/2016	6:44:00 AM	Disc Dr.	w	Vista Blvd.	No Data	1	No Data	с	Rear-End
1014228	Injury Crash	11/25/2016	6:39:00 PM	SR445	S	Disc Dr.	No Data	1	No Data	с	Rear-end
1014532	Injury Crash	10/7/2016	1:16:00 PM	SR445	No Data	Disc Dr.	No Data	3	No Data	В	Angle
1021212	Injury Crash	5/14/2016	1:28:00 PM	SR445	N	Disc Dr.	No Data	1	No Data	С	Rear-end
1033035	Injury Crash	2/25/2017	4:40:00 PM	Vista Blvd.	No Data	Disc Dr.	No Data	1	No Data	С	Rear-end
1035386	Injury Crash	2/13/2017	6:32:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	1	No Data	С	Rear-end
1035871	Injury Crash	2/19/2017	7:05:00 AM	Sparks Blvd.	No Data	Disc Dr.	No Data	1	No Data	С	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1039468	Injury Crash	3/22/2017	12:51:00 AM	SR445	S	Disc Dr.	No Data	1	No Data	С	Rear-end
1043016	Injury Crash	5/5/2017	12:40:00 PM	Disc Dr.	E	SR445	No Data	1	No Data	С	Rear-end
1050711	Injury Crash	6/9/2017	1:54:00 PM	Disc Dr.	E	Harrier Wav	No Data	1	No Data	В	Non- Collision
1051818	Injury Crash	6/22/2017	4:58:00 PM	Vista Blvd.	N	Disc Dr.	No Data	2	No Data	В	Angle
1052501	Injury Crash	4/1/2017	9:06:00 AM	Disc Dr.	E	SR445	No Data	1	No Data	С	Non- Collision
1053673	Injury Crash	4/27/2017	10:07:00 PM	Disc Dr.	No Data	Galleria Pkwy	No Data	1	No Data	с	Angle
1053755	Injury Crash	6/10/2017	6:10:00 PM	Disc Dr.	E	SR445	No Data	2	No Data	С	Rear-end
1054633	Injury	6/1/2017	1:05:00 PM	Vista Blvd.	S	Disc Dr.	No Data	1	No Data	с	Angle
1065973	Injury	9/30/2017	4:49:00 PM	Disc Dr.	E	SR445	No Data	2	No Data	С	Sideswipe, Overtaking
1066301	Injury	8/27/2017	4:48:00 PM	Sparks Blvd	E	Disc Dr.	No Data	1	No Data	с	Rear-end
1067357	Injury	10/3/2017	4:00:00	Disc Dr.	No Data	Sparks	No Data	1	No Data	С	Rear-end
1072228	Injury	11/30/2017	9:15:00	Vista Blvd.	N	Disc Dr.	No Data	1	No Data	A	Non-collision
1075420	Injury	9/29/2017	3:26:00	SR445	No Data	Disc Dr.	No Data	1	No Data	С	Non-collision
1079527	Injury	11/27/2017	2:30:00 PM	Vista Blvd.	No Data	Disc Dr.	No Data	1	No Data	с	Rear-end
1082976	Injury	12/9/2017	2:23:00 PM	Disc Dr.	No Data	Galleria	No Data	3	No Data	С	Rear-end
1083466	Injury	10/21/2017	12:25:00 PM	Disc Dr.	w	Sparks	No Data	1	No Data	В	Non-collision
947337	Property Damage	1/30/2015	10:11:00	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Angle
	Only Property		12:01:00					No		No	
954155	Damage Only	2/17/2015	PM	SR445	No Data	Disc Dr.	No Data	Data	PDO	Data	Non-collision
955145	Property Damage Only	5/14/2015	11:01:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Non-collision
956906	Property Damage	2/5/2015	4:20:00 PM	Sparks Blvd.	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
956997	Property	6/21/2015	10:20:00	SR//5	N	Disc Dr	No Data	No	PDO	No	Rear-end
550557	Only	0/21/2013	AM	511445			NO Data	Data	100	Data	near-enu
959793	Damage Only	7/28/2015	5:30:00 PM	SR445	Ν	Disc Dr.	No Data	No Data	PDO	No Data	Angle
959821	Property Damage Only	7/30/2015	11:27:00 AM	SR445	Ν	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
960244	Property Damage Only	8/9/2015	1:06:00 PM	SR445	Ν	Disc Dr.	No Data	No Data	PDO	No Data	Angle
960609	Property Damage Only	8/26/2015	5:48:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
961376	Property Damage Only	10/10/2015	9:38:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
973000	Property Damage Only	7/12/2015	9:16:00 PM	Disc Dr.	w	Galleria Pkwy.	No Data	No Data	PDO	No Data	Non-collision
973061	Property Damage Only	5/6/2015	2:49:00 PM	Disc Dr.	No Data	Galleria Pkwy.	No Data	No Data	PDO	No Data	Head-on

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
974661	Property Damage Only	2/24/2016	11:27:00 AM	Disc Dr.	No Data	Galleria Pkwy.	No Data	No Data	PDO	No Data	Angle
978080	Property Damage Only	1/8/2016	7:07:00 AM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Non-collision
978913	Property Damage Only	1/15/2015	2:11:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
979160	Property Damage Only	3/19/2015	3:00:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
979875	Property Damage Only	3/6/2015	6:41:00 PM	Disc Dr.	W	Vista Blvd.	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
980766	Property Damage Only	8/22/2015	5:25:00 PM	Disc Dr.	No Data	Sparks Blvd.	No Data	No Data	PDO	No Data	Rear-end
980838	Property Damage Only	9/15/2015	11:53:00 AM	Disc Dr.	w	Vista Blvd.	No Data	No Data	PDO	No Data	Rear-end
980962	Property Damage Only	10/1/2015	6:30:00 PM	Vista Blvd.	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
982009	Property Damage Only	11/27/2015	3:28:00 PM	Vista Blvd.	S	Disc Dr.	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
982038	Property Damage Only	12/10/2015	4:53:00 PM	Disc Dr.	E	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle
982048	Property Damage Only	12/13/2015	11:52:00 AM	Disc Dr.	E	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle
982306	Property Damage Only	12/17/2015	5:30:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
983442	Property Damage Only	3/1/2016	2:38:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
983671	Property Damage Only	1/5/2016	6:09:00 AM	Disc Dr.	W	Sparks Blvd.	No Data	No Data	PDO	No Data	Non- Collision
983697	Property Damage Only	3/3/2016	5:12:00 PM	Disc Dr.	No Data	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle
983704	Property Damage Only	1/8/2016	8:39:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Non- Collision
984558	Property Damage Only	11/18/2015	8:00:00 AM	Disc Dr.	E	SR445	No Data	No Data	PDO	No Data	Non-collision
987245	Property Damage Only	3/23/2016	4:00:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
989200	Property Damage Only	4/13/2016	7:40:00 AM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-End
991320	Property Damage Only	4/18/2016	7:33:00 AM	Disc Dr.	W	Vista Blvd.	No Data	No Data	PDO	No Data	Rear-End
992054	Property Damage Only	3/31/2016	3:57:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Angle
992217	Property Damage Only	3/7/2016	7:50:00 AM	Disc Dr.	W	Vista Blvd	No Data	No Data	PDO	No Data	Angle
992258	Property Damage Only	4/15/2016	6:41:00 PM	Disc Dr.	E	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
993303	Property Damage Only	3/16/2016	10:25:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
993504	Property Damage Only	2/20/2016	8:27:00 AM	Disc Dr.	w	Sparks Blvd.	No Data	No Data	PDO	No Data	Non-collision
1003974	Property Damage Only	6/11/2016	3:56:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Sideswiping, Overtaking
1008461	Property Damage Only	8/25/2016	7:45:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Angle
1008574	Property Damage Only	8/25/2016	8:50:00 AM	Vista Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
1008835	Property Damage Only	8/4/2016	9:14:00 PM	Galleria Pkwy.	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Angle
1011793	Property Damage Only	9/9/2016	4:09:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Non-collision
1012285	Property Damage Only	9/2/2016	5:10:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
1012348	Property Damage Only	9/14/2016	7:35:00 AM	Disc Dr.	No Data	SR445	No Data	No Data	PDO	No Data	Rear-end
1012871	Property Damage Only	12/2/2016	9:07:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
1013213	Property Damage Only	10/7/2016	1:52:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
1013602	Property Damage Only	11/18/2016	12:21:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
1013828	Property Damage Only	12/1/2016	4:59:00 PM	Disc Dr.	No Data	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle
1014201	Property Damage Only	12/5/2016	6:47:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Angle
1014345	Property Damage Only	12/18/2016	5:55:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
1014692	Property Damage Only	10/11/2016	7:07:00 AM	Vista Blvd.	N	Disc Dr.	No Data	No Data	PDO	No Data	Head-on
1030618	Property Damage Only	1/4/2017	1:01:00 AM	Disc Dr.	E	Harrier Way	No Data	No Data	PDO	0	Non-collision
1030979	Property Damage Only	1/12/2017	5:18:00 PM	Disc Dr.	W	Vista Blvd.	No Data	No Data	PDO	0	Rear-end
1032107	Property Damage Only	1/21/2017	8:25:00 PM	Disc Dr.	No Data	Galleria Pkwy.	No Data	No Data	PDO	0	Non-collision
1036045	Property Damage Only	2/16/2017	7:25:00 AM	Disc Dr.	w	Vista Blvd.	No Data	No Data	PDO	0	Angle
1036593	Property Damage Only	2/22/2017	9:55:00 PM	Sparks Blvd.	S	Disc Dr.	No Data	No Data	PDO	0	Non-collision
1037499	Property Damage Only	2/8/2017	5:08:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	0	Rear-end
1046044	Property Damage Only	4/16/2017	3:51:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	0	Angle

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1049503	Property Damage Only	3/23/2017	12:45:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	0	Rear-end
1050756	Property Damage Only	5/23/2017	3:25:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	0	Sideswipe, Overtaking
1051187	Property Damage Only	5/24/2017	3:09:00 PM	Sparks Blvd.	S	Disc Dr.	No Data	No Data	PDO	0	Rear-End
1051753	Property Damage Only	5/11/2017	6:00:00 PM	Disc Dr.	No Data	Harrier Way	No Data	No Data	PDO	0	Non-collision
1052140	Property Damage Only	4/28/2017	12:45:00 AM	Disc Dr.	E	Harrier Way	No Data	No Data	PDO	N	Non-collision
1053240	Property Damage Only	5/27/2017	12:36:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	0	Angle
1053414	Property Damage Only	5/30/2017	12:44:00 PM	Disc Dr.	No Data	Sparks Blvd.	No Data	No Data	PDO	0	Rear-end
1053608	Property Damage Only	7/7/2017	7:04:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	0	Rear-end
1053892	Property Damage Only	6/13/2017	2:43:00 PM	Vista Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	0	Angle
1054074	Property Damage Only	4/13/2017	4:38:00 PM	Disc Dr.	No Data	Sparks Blvd.	No Data	No Data	PDO	0	Angle
1065921	Property Damage Only	10/3/2017	4:43:00 PM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	0	Rear-end
1069971	Property Damage Only	8/13/2017	8:12:00 AM	Disc Dr.	E	Sparks Blvd.	No Data	No Data	PDO	0	Angle
1070129	Property Damage Only	8/25/2017	11:50:00 AM	Disc Dr.	No Data	Vista Blvd.	No Data	No Data	PDO	0	Sideswipe, Overtaking
1070616	Property Damage Only	7/25/2017	6:27:00 PM	Disc Dr.	No Data	Vista Blvd.	No Data	No Data	PDO	0	Rear-end
1073379	Property Damage Only	10/23/2017	5:15:00 PM	Sparks Blvd.	N	Disc Dr.	No Data	No Data	PDO	0	Rear-End
1074685	Property Damage Only	12/23/2017	2:20:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	0	Angle
1075833	Property Damage Only	12/3/2017	12:18:00 PM	Vista Blvd.	S	Disc Dr.	No Data	No Data	PDO	0	Rear-end
1076991	Property Damage Only	10/25/2017	7:30:00 AM	Vista Blvd	No Data	Disc Dr.	No Data	No Data	PDO	0	Rear-end
1077866	Property Damage Only	10/26/2017	9:19:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	0	Rear-end
1079585	Property Damage Only	10/19/2017	3:29:00 AM	Disc Dr.	w	Sparks Blvd.	No Data	No Data	PDO	N	Non-collision
1079790	Property Damage Only	11/1/2017	11:40:00 AM	Sparks Blvd.	No Data	Disc Dr.	No Data	No Data	PDO	N	Rear-end
1082106	Property Damage Only	11/13/2017	1:25:00 AM	Disc Dr.	No Data	Sparks Blvd.	No Data	No Data	PDO	0	Non-collision
1082710	Property Damage Only	12/12/2017	7:27:00 AM	Disc Dr.	No Data	Sparks Blvd.	No Data	No Data	PDO	0	Rear-end

Crash Data, Pyramid (Queen Way to Sparks Blvd.), Washoe County

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1083972	Fatal Crash	4/22/2016	10:07:00 PM	SR445	N	Disc Dr.	2	1	No Data	к	Rear-end
1084521	Fatal Crash	11/18/2017	5:51:00 PM	SR445	N	Spring Ridge Dr.	1	No Data	No Data	к	Non- collision
944775	Injury Crash	1/1/2015	10:29:00 AM	SR445	S	Mile Marker 5	No Data	1	No Data	С	Rear-end
945695	Injury Crash	1/11/2015	5:40:00 PM	SR445	S	N Los Altos Pkwy.	No Data	1	No Data	с	Rear-end
947545	Injury Crash	1/1/2015	5:33:00 PM	SR445	S	N Los Altos Pkwy.	No Data	1	No Data	с	Rear-end
951948	Injury Crash	3/5/2015	11:04:00 AM	SR445	S	Disc Dr.	No Data	1	No Data	с	Non- collision
951954	Injury Crash	3/1/2015	12:46:00 PM	SR445	N	Disc Dr.	No Data	1	No Data	С	Rear-end
952130	Injury Crash	3/8/2015	6:52:00 AM	SR445	S	Golden View Dr.	No Data	1	No Data	С	Angle
952240	Injury Crash	3/5/2015	2:46:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	1	No Data	с	Angle
952547	Injury Crash	1/5/2015	10:01:00 AM	SR445	No Data	Queen Way	No Data	1	No Data	В	Non- collision
953531	Injury Crash	7/7/2015	12:21:00 PM	SR445	S	Sparks Blvd.	No Data	2	No Data	С	Rear-end
954322	Injury Crash	6/1/2015	6:20:00 PM	SR445	S	Disc Dr.	No Data	1	No Data	С	Rear-end
954969	Injury Crash	4/3/2015	10:46:00 AM	SR445	S	Sparks Blvd.	No Data	1	No Data	с	Rear-end
955391	Injury Crash	7/22/2015	6:15:00 PM	SR445	S	N Los Altos Pkwy.	No Data	1	No Data	с	Rear-end
955400	Injury Crash	3/24/2015	4:46:00 PM	SR445	Ν	Shoppers Way	No Data	2	No Data	С	Rear-end
956087	Injury Crash	5/20/2015	8:50:00 AM	SR445	N	Queen Way	No Data	3	No Data	С	Rear-end
956489	Injury Crash	7/14/2015	5:57:00 PM	SR445	No Data	Queen Way	No Data	1	No Data	С	Angle
956591	Injury Crash	6/20/2015	5:46:00 AM	SR445	N	Disc Dr.	No Data	1	No Data	С	Backing
957100	Injury Crash	5/2/2015	1:03:00 PM	SR445	S	Disc Dr.	No Data	1	No Data	С	Rear-end
957103	Injury Crash	6/8/2015	7:21:00 AM	SR445	N	Queen Way	No Data	1	No Data	С	Angle
960211	Injury Crash	9/5/2015	10:16:00 AM	SR445	No Data	Disc Dr.	No Data	1	No Data	С	Angle
960235	Injury Crash	9/23/2015	6:19:00 PM	SR445	N	N Los Altos Pkwy.	No Data	1	No Data	U	Rear-end
960297	Injury Crash	8/23/2015	7:30:00 AM	SR445	N	Golden View Dr.	No Data	2	No Data	U	Rear-end
960360	Injury Crash	9/14/2015	7:53:00 AM	SR445	S	Disc Dr.	No Data	1	No Data	U	Rear-end
973671	Injury Crash	10/19/2015	8:28:00 PM	SR445	No Data	Disc Dr.	No Data	2	No Data	С	Angle
973835	Injury Crash	10/28/2015	8:57:00 AM	SR445	Ν	N Los Altos Pkwy.	No Data	1	No Data	с	Rear-end
974442	Injury Crash	1/9/2016	5:28:00 PM	Spring Ridge Dr.	No Data	SR445	No Data	2	No Data	С	Rear-end
975724	Injury Crash	11/15/2015	5:27:00 PM	SR445	No Data	Queen Way	No Data	1	No Data	С	Angle
976071	Injury Crash	11/30/2015	7:20:00 AM	SR445	Ν	Sparks Blvd.	No Data	1	No Data	С	Rear-end
976114	Injury Crash	12/1/2015	9:25:00 PM	SR445	No Data	Disc Dr.	No Data	2	No Data	С	Angle

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
976131	Injury Crash	12/2/2015	7:03:00 PM	SR445	S	Golden View Dr.	No Data	1	No Data	с	Angle
976161	Injury Crash	12/4/2015	3:23:00 PM	SR445	S	Disc Dr.	No Data	3	No Data	В	Rear-end
976175	Injury Crash	12/5/2015	4:42:00 PM	SR445	S	Golden View Dr.	No Data	1	No Data	С	Non- collision
976323	Injury Crash	12/12/2015	9:56:00 AM	SR445	No Data	N Los Altos Pkwy	No Data	1	No Data	С	Angle
977441	Injury Crash	12/19/2015	10:18:00 PM	SR445	N	Disc Dr.	No Data	2	No Data	В	Rear-end
977509	Injury Crash	12/22/2015	3:59:00 PM	SR445	No Data	Queen Way	No Data	1	No Data	с	Angle
977887	Injury Crash	1/2/2016	11:17:00 AM	SR445	N	N Los Altos Pkwy.	No Data	1	No Data	С	Rear-end
977901	Injury Crash	1/3/2016	4:15:00 PM	SR445	N	Mile Marker 5	No Data	4	No Data	А	Rear-end
978285	Injury Crash	1/18/2016	2:37:00 PM	SR445	S	Queen Way	No Data	2	No Data	С	Rear-end
979715	Injury Crash	4/13/2015	6:03:00 PM	N Los Altos Pkwy.	No Data	SR445	No Data	1	No Data	С	Rear-end
982058	Injury Crash	12/18/2015	9:51:00 PM	Disc DR.	No Data	SR445	No Data	1	No Data	С	Rear-end
982068	Injury Crash	12/23/2015	10:11:00 AM	Disc Dr.	E	SR445	No Data	1	No Data	С	Angle
982081	Injury Crash	12/29/2015	10:45:00 AM	N Los Altos Pkwy.	No Data	SR445	No Data	1	No Data	С	Rear-end
982902	Injury Crash	1/29/2016	6:52:00 AM	SR445	N	Queen Way	No Data	1	No Data	С	Angle
983081	Injury Crash	2/3/2016	9:59:00 AM	SR445	N	N Los Altos Pkwy.	No Data	2	No Data	с	Rear-end
983225	Injury Crash	2/14/2016	3:47:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	1	No Data	с	Angle
983243	Injury Crash	2/16/2016	11:08:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	1	No Data	с	Angle
983295	Injury Crash	2/17/2016	10:18:00 PM	SR445	S	Golden View Dr.	No Data	1	No Data	С	Angle
983395	Injury Crash	2/26/2016	11:08:00 AM	SR445	N	Highland Ranch Pkwy.	No Data	2	No Data	с	Rear-end
986345	Injury Crash	2/28/2016	11:13:00 AM	SR445	N	N Los Altos Pkwy.	No Data	1	No Data	с	Rear-end
986809	Injury Crash	3/10/2016	5:12:00 PM	SR445	S	N Los Altos Pkwy.	No Data	1	No Data	С	Rear-end
987252	Injury Crash	4/20/2016	12:27:00 PM	SR445	N	Golden View Dr.	No Data	1	No Data	С	Rear-end
987972	Injury Crash	4/20/2016	8:17:00 PM	SR445	S	Golden View Dr.	No Data	1	No Data	С	Rear-end
989266	Injury Crash	3/27/2016	10:45:00 AM	SR445	N	Sparks Blvd.	No Data	2	No Data	С	Angle
989932	Injury Crash	5/4/2016	8:46:00 PM	SR445	No Data	Sparks Blvd.	No Data	2	No Data	С	Angle
989951	Injury Crash	4/2/2016	12:42:00 PM	SR445	N	N Los Altos Pkwy.	No Data	2	No Data	с	Angle
990626	Injury Crash	4/23/2016	10:30:00 PM	SR445	No Data	Highland Ranch Pkwy.	No Data	1	No Data	С	Non- collision
993222	Injury Crash	5/4/2016	5:54:00 PM	N Los Altos Pkwy.	E	SR445	No Data	1	No Data	С	Head-on
996889	Injury Crash	5/25/2016	5:46:00 AM	Highland Ranch Pkwy.	W	SR445	No Data	2	No Data	U	Head-on

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
999234	Injury Crash	6/2/2016	3:58:00 PM	SR445	N	Queen Way	No Data	1	No Data	С	Sideswipe, Overtaking
1001016	Injury Crash	7/4/2016	2:41:00 PM	SR445	S	Disc Dr.	No Data	1	No Data	С	Rear-end
1001831	Injury Crash	6/23/2016	3:50:00 PM	SR445	S	N Los Altos Pkwy.	No Data	1	No Data	с	Non- collision
1004062	Injury Crash	7/8/2016	3:02:00 PM	Disc Dr.	E	SR445	No Data	2	No Data	С	Rear-end
1006090	Injury Crash	8/7/2016	10:56:00 PM	SR445	S	Disc Dr.	No Data	2	No Data	С	Rear-end
1008556	Injury Crash	8/22/2016	1:13:00 PM	SR445	N	N Los Altos Pkwy.	No Data	1	No Data	В	Rear-end
1008744	Injury Crash	8/25/2016	10:53:00 PM	SR445	N	N Los Altos Pkwy	No Data	1	No Data	с	Angle
1010639	Injury Crash	9/17/2016	5:32:00 PM	SR445	N	N Los Altos Pkwy.	No Data	2	No Data	В	Rear-end
1011871	Injury Crash	9/11/2016	7:20:00 AM	SR445	N	Mile Marker 5	No Data	1	No Data	с	Rear-end
1012043	Injury Crash	9/1/2016	4:59:00 PM	SR445	S	N Los Altos Pkwy.	No Data	1	No Data	с	Rear-end
1012593	Injury Crash	9/17/2016	3:01:00 PM	Farr Ln.	No Data	SR880	No Data	1	No Data	С	Non- collision
1012959	Injury Crash	10/29/2016	7:00:00 AM	SR445	N	Queen Way	No Data	1	No Data	С	Non- collision
1013116	Injury Crash	12/16/2016	12:00:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	1	No Data	с	Rear-end
1013419	Injury Crash	10/7/2016	3:06:00 PM	SR445	N	Queen Way	No Data	1	No Data	С	Rear-End
1013507	Injury Crash	10/12/2016	4:52:00 PM	Disc Dr.	E	SR445	No Data	2	No Data	С	Rear-end
1013698	Injury Crash	11/28/2016	4:35:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	2	No Data	с	Angle
1013705	Injury Crash	12/9/2016	11:42:00 AM	SR445	S	N Los Altos Pkwy.	No Data	3	No Data	с	Rear-end
1013727	Injury Crash	10/7/2016	11:14:00 AM	N Los Altos Pkwy.	E	SR445	No Data	1	No Data	В	Non- Collision
1013802	Injury Crash	12/25/2016	1:30:00 PM	Highland Ranch Pkwy.	No Data	SR445	No Data	1	No Data	В	Rear-end
1013978	Injury Crash	12/5/2016	9:05:00 AM	SR445	N	Highland Ranch Pkwy.	No Data	2	No Data	с	Rear-end
1014228	Injury Crash	11/25/2016	6:39:00 PM	SR445	S	Disc Dr.	No Data	1	No Data	С	Rear-end
1014410	Injury Crash	11/20/2016	3:27:00 PM	SR445	Ν	Queen Way	No Data	1	No Data	с	Rear-end
1014532	Injury Crash	10/7/2016	1:16:00 PM	SR445	No Data	Disc Dr.	No Data	3	No Data	В	Angle
1020563	Injury Crash	5/14/2016	11:59:00 AM	SR445	N	Queen Way	No Data	3	No Data	с	Angle
1020580	Injury Crash	9/21/2016	6:55:00 PM	SR445	S	Disc Dr.	No Data	1	No Data	С	Rear-End
1021212	Injury Crash	5/14/2016	1:28:00 PM	SR445	N	Disc Dr.	No Data	1	No Data	С	Rear-end
1033201	Injury Crash	2/13/2017	7:31:00 AM	SR445	N	Spring Ridge Dr.	No Data	2	No Data	С	Rear-End
1033785	Injury Crash	3/2/2017	7:50:00 AM	SR445	N	SR659	No Data	2	No Data	С	Rear-End
1034135	Injury Crash	2/10/2017	10:57:00 AM	SR445	S	Golden View Dr.	No Data	1	No Data	В	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1034188	Injury Crash	3/11/2017	4:59:00 PM	SR445	N	Queen Way	No Data	1	No Data	с	Angle
1039468	Injury Crash	3/22/2017	12:51:00 AM	SR445	S	Disc Dr.	No Data	1	No Data	с	Rear-end
1042659	Injury Crash	4/13/2017	9:27:00 AM	Highland Ranch Pkwy.	w	SR445	No Data	1	No Data	С	Rear-end
1043016	Injury Crash	5/5/2017	12:40:00 PM	Disc Dr.	E	SR445	No Data	1	No Data	С	Rear-end
1049522	Injury Crash	5/4/2017	4:53:00 PM	N Los Altos Pkwy.	No Data	SR445	No Data	1	No Data	С	Rear-end
1049593	Injury Crash	5/18/2017	6:13:00 PM	SR445	No Data	Sparks Blvd.	No Data	1	No Data	С	Angle
1049740	Injury Crash	4/28/2017	2:55:00 PM	SR445	N	Highland Ranch Pkwy.	No Data	2	No Data	А	Rear-end
1051098	Injury Crash	4/2/2017	1:46:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	1	No Data	С	Rear-end
1051488	Injury Crash	6/16/2017	12:45:00 PM	SR445	S	Mile Marker 4	No Data	4	No Data	В	Rear-end
1053755	Injury Crash	6/10/2017	6:10:00 PM	Disc Dr.	E	SR445	No Data	2	No Data	С	Rear-end
1062557	Injury Crash	6/17/2017	6:52:00 PM	SR445	No Data	Sparks Blvd.	No Data	1	No Data	С	Sideswipe, Overtaking
1063974	Injury Crash	7/31/2017	5:11:00 PM	SR445	S	Disc Dr.	No Data	3	No Data	с	Rear-end
1065911	Injury Crash	8/24/2017	8:28:00 AM	N Los Altos Pkwy.	No Data	SR445	No Data	2	No Data	С	Angle
1065973	Injury Crash	9/30/2017	4:49:00 PM	Disc Dr.	E	SR445	No Data	2	No Data	С	Sideswipe, Overtaking
1066116	Injury Crash	9/25/2017	4:26:00 PM	SR445	N	Spring Ridge Dr.	No Data	2	No Data	В	Rear-end
1066204	Injury Crash	9/28/2017	1:34:00 PM	SR445	N	Shoppers Way	No Data	3	No Data	С	Rear-end
1066361	Injury Crash	9/18/2017	6:08:00 PM	SR445	N	Disc Dr.	No Data	1	No Data	В	Non- collision
1066616	Injury Crash	9/26/2017	10:57:00 AM	SR445	No Data	Sparks Blvd.	No Data	2	No Data	С	Angle
1067114	Injury Crash	9/4/2017	8:12:00 AM	SR445	N	Mile Marker 5	No Data	1	No Data	С	Rear-end
1068367	Injury Crash	9/5/2017	8:46:00 AM	SR445	N	Mile Marker 5	No Data	1	No Data	С	Rear-end
1069843	Injury Crash	7/24/2017	10:40:00 AM	N Los Altos Pkwy.	No Data	SR445	No Data	1	No Data	С	Rear-end
1070860	Injury Crash	2/25/2015	5:16:00 PM	SR445	N	Queen Way	No Data	1	No Data	С	Rear-end
1070892	Injury Crash	9/24/2015	1:00:00 AM	SR445	S	Sparks Blvd.	No Data	1	No Data	С	Non- collision
1073669	Injury Crash	11/19/2017	8:33:00 AM	SR445	No Data	Los Altos Pkwy	No Data	1	No Data	С	Rear-end
1074886	Injury Crash	11/16/2017	5:13:00 PM	SR445	S	Sparks Blvd	No Data	1	No Data	С	Rear-end
1075171	Injury Crash	12/13/2017	9:16:00 AM	SR445	N	SR880	No Data	1	No Data	С	Rear-end
1075228	Injury Crash	11/7/2017	7:24:00 AM	SR445	N	Los Altos Pkwy.	No Data	2	No Data	С	Rear-end
1075420	Injury Crash	9/29/2017	3:26:00 PM	SR445	No Data	Disc Dr.	No Data	1	No Data	С	Non- Collision
1075561	Injury Crash	11/26/2017	7:25:00 AM	SR445	Ν	Los Altos Pkwy.	No Data	1	No Data	С	Rear-end
1077407	Injury Crash	10/10/2017	1:20:00 PM	SR445	S	Los Altos Pkwy.	No Data	2	No Data	С	Angle
1079232	Injury Crash	11/29/2017	4:57:00 PM	SR445	S	Disc Dr.	No Data	1	No Data	С	Rear-end
1080071	Injury Crash	12/17/2017	4:11:00 PM	SR445	S	Highland Ranch Pkwy.	No Data	2	No Data	С	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1082250	Injury Crash	11/13/2017	12:37:00 PM	SR445	S	Los Altos Pkwy.	No Data	3	No Data	В	Head-on
1083198	Injury Crash	12/21/2017	1:08:00 PM	SR445	S	Los Altos Pkwy.	No Data	1	No Data	С	Rear-end
945158	Property Damage Only	3/10/2015	7:29:00 PM	SR445	S	Mile Marker 3	No Data	No Data	PDO	No Data	Rear-end
945561	Property Damage Only	2/16/2015	12:03:00 PM	SR445	No Data	Sparks Blvd.	No Data	No Data	PDO	No Data	Rear-end
945691	Property Damage Only	2/15/2015	12:00:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
945949	Property Damage Only	1/9/2015	12:16:00 PM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Angle
946139	Property Damage Only	2/2/2015	3:30:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Angle
946452	Property Damage Only	1/20/2015	4:45:00 PM	SR445	S	Golden View Dr.	No Data	No Data	PDO	No Data	Non- collision
947337	Property Damage Only	1/30/2015	10:11:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Angle
947385	Property Damage Only	2/10/2015	5:51:00 PM	Queen Way	No Data	SR445	No Data	No Data	PDO	No Data	Head-on
947788	Property Damage Only	2/3/2015	6:07:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
952021	Property Damage Only	3/6/2015	8:51:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
952051	Property Damage Only	2/25/2015	8:00:00 AM	SR445	S	Kiley Pkwy.	No Data	No Data	PDO	No Data	Angle
952910	Property Damage Only	5/6/2015	7:25:00 AM	SR445	S	MM 4	No Data	No Data	PDO	No Data	Rear-end
953305	Property Damage Only	3/23/2015	12:23:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
953661	Property Damage Only	4/10/2015	11:06:00 AM	Highland Ranch Pkwy.	w	SR445	No Data	No Data	PDO	No Data	Rear-end
954155	Property Damage Only	2/17/2015	12:01:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Non- collision
955145	Property Damage Only	5/14/2015	11:01:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Non- collision
955469	Property Damage Only	7/17/2015	10:42:00 AM	SR445	No Data	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
955721	Property Damage Only	7/13/2015	3:17:00 PM	SR445	N	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Angle
955888	Property Damage Only	5/21/2015	7:00:00 PM	SR445	N	Golden View Dr.	No Data	No Data	PDO	No Data	Non- collision
955931	Property Damage Only	4/10/2015	2:34:00 PM	SR445	N	Shoppers Way	No Data	No Data	PDO	No Data	Non- collision
956603	Property Damage Only	5/2/2015	4:20:00 PM	SR445	N	Mile Marker 4	No Data	No Data	PDO	No Data	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
956997	Property Damage Only	6/21/2015	10:20:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
959661	Property Damage Only	3/1/2015	9:17:00 AM	SR445	S	Golden View Dr.	No Data	No Data	PDO	No Data	Rear-end
959793	Property Damage Only	7/28/2015	5:30:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Angle
959821	Property Damage Only	7/30/2015	11:27:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
960233	Property Damage Only	9/17/2015	9:15:00 PM	SR445	N	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
960244	Property Damage Only	8/9/2015	1:06:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Angle
960374	Property Damage Only	9/24/2015	7:39:00 AM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
960400	Property Damage Only	9/24/2015	9:01:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Non- collision
960410	Property Damage Only	8/6/2015	12:41:00 PM	SR445	N	Mile Marker 5	No Data	No Data	PDO	No Data	Rear-end
960450	Property Damage Only	9/29/2015	6:05:00 PM	SR445	N	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle
960470	Property Damage Only	8/24/2015	9:42:00 AM	SR445	S	Mile Marker 5	No Data	No Data	PDO	No Data	Angle
960475	Property Damage Only	9/7/2015	8:15:00 AM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Rear-end
960518	Property Damage Only	9/15/2015	4:14:00 PM	N Los Altos Pkwy.	E	SR445	No Data	No Data	PDO	No Data	Rear-end
960609	Property Damage Only	8/26/2015	5:48:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
961376	Property Damage Only	10/10/2015	9:38:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Sideswiping, Overtaking
973665	Property Damage Only	10/6/2015	4:45:00 PM	SR445	S	Mile Marker 6	No Data	No Data	PDO	No Data	Rear-end
973680	Property Damage Only	10/20/2015	7:26:00 AM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
973761	Property Damage Only	10/24/2015	5:18:00 PM	SR445	N	Golden View Dr.	No Data	No Data	PDO	No Data	Non- collision
973812	Property Damage Only	10/27/2015	3:02:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
974097	Property Damage Only	11/11/2015	1:29:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Non- collision
975773	Property Damage Only	11/17/2015	1:25:00 PM	SR445	S	Queen Way	No Data	No Data	PDO	No Data	Rear-end
975859	Property Damage Only	11/20/2015	6:55:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Non- collision
977479	Property Damage Only	12/21/2015	12:30:00 PM	SR445	No Data	Queen Way	No Data	No Data	PDO	No Data	Angle

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
977489	Property Damage Only	12/21/2015	6:37:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Angle
977652	Property Damage Only	12/27/2015	7:44:00 AM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Sideswipe, overtaking
977753	Property Damage Only	12/29/2015	1:55:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Non- collision
977772	Property Damage Only	12/30/2015	12:05:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
977847	Property Damage Only	12/31/2015	12:25:00 AM	SR445	N	Golden View Dr.	No Data	No Data	PDO	No Data	Non- collision
978080	Property Damage Only	1/8/2016	7:07:00 AM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Non- collision
978526	Property Damage Only	6/14/2015	10:16:00 PM	Sparks Blvd.	E	SR445	No Data	No Data	PDO	No Data	Non- collision
978588	Property Damage Only	7/8/2015	1:20:00 PM	N Los Altos Pkwy.	No Data	SR445	No Data	No Data	PDO	No Data	Rear-end
978672	Property Damage Only	6/8/2015	12:28:00 PM	SR445	E	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
978973	Property Damage Only	1/11/2015	11:18:00 AM	N Los Altos Pkwy.	E	SR445	No Data	No Data	PDO	No Data	Angle
979203	Property Damage Only	1/29/2015	3:00:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
979354	Property Damage Only	5/14/2015	1:30:00 AM	Farr Ln.	S	SR880	No Data	No Data	PDO	No Data	Non- collision
979378	Property Damage Only	7/22/2015	6:26:00 PM	Sparks Blvd.	No Data	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Angle
979922	Property Damage Only	2/20/2015	9:54:00 AM	N Los Altos Pkwy.	No Data	SR445	No Data	No Data	PDO	No Data	Rear-end
980403	Property Damage Only	9/10/2015	8:03:00 AM	N Los Altos Pkwy.	No Data	SR445	No Data	No Data	PDO	No Data	Rear-to-rear
980418	Property Damage Only	8/20/2015	12:17:00 PM	N Los Altos Pkwy.	E	SR445	No Data	No Data	PDO	No Data	Angle
982049	Property Damage Only	12/14/2015	4:24:00 PM	N Los Altos Pkwy.	E	SR445	No Data	No Data	PDO	No Data	Rear-end
982306	Property Damage Only	12/17/2015	5:30:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
983128	Property Damage Only	2/7/2016	1:18:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Angle
983228	Property Damage Only	2/14/2016	4:00:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
983333	Property Damage Only	2/19/2016	12:22:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
983351	Property Damage Only	2/22/2016	7:15:00 AM	SR445	N	Mile Marker 5	No Data	No Data	PDO	No Data	Angle
983442	Property Damage Only	3/1/2016	2:38:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
983678	Property Damage Only	2/27/2016	12:09:00 PM	Sparks Blvd.	E	SR445	No Data	No Data	PDO	No Data	Non- Collision
983687	Property Damage Only	1/6/2016	4:56:00 AM	SR445	No Data	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Non- collision
983712	Property Damage Only	1/14/2016	7:20:00 AM	Queen Way	S	SR445	No Data	No Data	PDO	No Data	Angle
983943	Property Damage Only	4/9/2015	2:04:00 AM	Golden View Dr.	No Data	SR445	No Data	No Data	PDO	No Data	Non- collision
984091	Property Damage Only	2/17/2015	12:17:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
984453	Property Damage Only	9/19/2015	5:47:00 PM	SR445	No Data	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
984490	Property Damage Only	11/15/2015	3:20:00 PM	Highland Ranch Pkwy.	w	SR445	No Data	No Data	PDO	No Data	Angle
984558	Property Damage Only	11/18/2015	8:00:00 AM	Disc Dr.	E	SR445	No Data	No Data	PDO	No Data	Non- collision
985728	Property Damage Only	4/6/2016	4:55:00 PM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Rear-end
986629	Property Damage Only	3/16/2016	1:45:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
986699	Property Damage Only	4/7/2016	5:24:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Angle
986719	Property Damage Only	4/20/2016	7:33:00 AM	SR445	S	Kiley Pkwy.	No Data	No Data	PDO	No Data	Rear-end
986845	Property Damage Only	4/7/2016	3:40:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Angle
986901	Property Damage Only	4/10/2016	7:43:00 AM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
987245	Property Damage Only	3/23/2016	4:00:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
988091	Property Damage Only	3/17/2016	2:55:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Angle
989200	Property Damage Only	4/13/2016	7:40:00 AM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
990370	Property Damage Only	4/17/2016	10:47:00 AM	SR445	N	Spring Ridge Dr.	No Data	No Data	PDO	No Data	Rear-end
992012	Property Damage Only	4/2/2016	3:28:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
992054	Property Damage Only	3/31/2016	3:57:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Angle
993303	Property Damage Only	3/16/2016	10:25:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
993332	Property Damage Only	4/21/2016	1:56:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Non- collision
997108	Property Damage Only	5/29/2016	3:26:00 PM	N Los Altos Pkwy.	E	SR445	No Data	No Data	PDO	No Data	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
998799	Property Damage Only	6/6/2016	3:34:00 PM	SR445	N	Sparks Blvd.	No Data	No Data	PDO	No Data	Rear-end
1000778	Property Damage Only	7/21/2016	5:53:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
1001084	Property Damage Only	6/26/2016	11:25:00 AM	SR445	N	Golden View Dr.	No Data	No Data	PDO	No Data	Non- collision
1001319	Property Damage Only	6/25/2016	2:05:00 PM	Sparks Blvd.	E	SR445	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
1001388	Property Damage Only	6/27/2016	7:45:00 AM	SR445	No Data	Sparks Blvd.	No Data	No Data	PDO	No Data	Rear-end
1001576	Property Damage Only	7/18/2016	5:38:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
1002205	Property Damage Only	6/19/2016	2:04:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Angle
1002788	Property Damage Only	6/26/2016	8:43:00 AM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Angle
1003084	Property Damage Only	7/22/2016	7:48:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Non- collision
1003332	Property Damage Only	6/30/2016	2:25:00 AM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Non- collision
1004403	Property Damage Only	8/1/2016	11:00:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Angle
1004818	Property Damage Only	8/7/2016	7:30:00 AM	SR445	N	Golden View Dr.	No Data	No Data	PDO	No Data	Rear-end
1006121	Property Damage Only	8/14/2016	11:39:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Angle
1007921	Property Damage Only	8/18/2016	3:40:00 PM	SR445	S	Kiley Pkwy.	No Data	No Data	PDO	No Data	Rear-end
1008461	Property Damage Only	8/25/2016	7:45:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Angle
1010605	Property Damage Only	9/19/2016	7:40:00 AM	SR445	S	Mile Marker 5	No Data	No Data	PDO	No Data	Rear-end
1010812	Property Damage Only	9/12/2016	1:45:00 PM	SR445	N	N Los Altos Pkwy	No Data	No Data	PDO	No Data	Rear-end
1010860	Property Damage Only	8/31/2016	5:30:00 PM	SR445	N	Mile Marker 3	No Data	No Data	PDO	No Data	Non- collision
1011159	Property Damage Only	8/31/2016	7:25:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
1011306	Property Damage Only	9/13/2016	2:25:00 PM	SR445	S	N Los Altos Pkwy	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
1011971	Property Damage Only	9/23/2016	1:49:00 PM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Rear-end
1012285	Property Damage Only	9/2/2016	5:10:00 PM	SR445	S	Disc DR.	No Data	No Data	PDO	No Data	Rear-end
1012348	Property Damage Only	9/14/2016	7:35:00 AM	Disc Dr.	No Data	SR445	No Data	No Data	PDO	No Data	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1012771	Property Damage Only	11/7/2016	2:36:00 PM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Non- collision
1012915	Property Damage Only	12/5/2016	4:27:00 PM	SR445	S	Spring Ridge Dr.	No Data	No Data	PDO	No Data	Angle
1013086	Property Damage Only	10/30/2016	3:21:00 PM	SR445	S	Sparks Blvd.	No Data	No Data	PDO	No Data	Rear-end
1013213	Property Damage Only	10/7/2016	1:52:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
1013269	Property Damage Only	10/8/2016	5:00:00 AM	Sparks Blvd.	S	SR445	No Data	No Data	PDO	No Data	Non- collision
1013414	Property Damage Only	10/30/2016	8:06:00 AM	SR445	N	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
1013431	Property Damage Only	10/11/2016	5:16:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
1013447	Property Damage Only	12/12/2016	5:37:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
1013602	Property Damage Only	11/18/2016	12:21:00 AM	SR445	N	Disc Dr.	No Data	No Data	PDO	No Data	Rear-end
1013651	Property Damage Only	11/14/2016	8:20:00 AM	SR445	S	Queen Way	No Data	No Data	PDO	No Data	Rear-end
1013867	Property Damage Only	12/10/2016	1:57:00 PM	SR445	S	Golden View Dr.	No Data	No Data	PDO	No Data	Rear-end
1014093	Property Damage Only	12/22/2016	8:17:00 PM	SR445	No Data	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle
1014110	Property Damage Only	12/15/2016	4:47:00 PM	SR445	S	Sparks Blvd.	No Data	No Data	PDO	No Data	Non- Collision
1014181	Property Damage Only	12/28/2016	3:14:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
1014201	Property Damage Only	12/5/2016	6:47:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	No Data	Angle
1014266	Property Damage Only	10/19/2016	5:16:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
1014346	Property Damage Only	11/13/2016	10:17:00 AM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
1014455	Property Damage Only	11/28/2016	3:25:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Angle
1014518	Property Damage Only	12/11/2016	4:32:00 PM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Rear-end
1014519	Property Damage Only	10/7/2016	7:20:00 AM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	No Data	Rear-end
1014680	Property Damage Only	10/21/2016	9:30:00 AM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Backing
1019938	Property Damage Only	9/16/2016	2:00:00 PM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Rear-end
1021176	Property Damage Only	2/21/2015	8:00:00 AM	SR445	No Data	Queen Way	No Data	No Data	PDO	No Data	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1029363	Property Damage Only	1/17/2017	9:57:00 PM	N Los Altos Pkwy.	E	SR445	No Data	No Data	PDO	0	Rear-end
1029753	Property Damage Only	1/16/2017	7:10:00 AM	SR445	N	Mile Marker 4	No Data	No Data	PDO	о	Rear-end
1029870	Property Damage Only	1/28/2017	10:18:00 AM	SR445	S	Queen Way	No Data	No Data	PDO	о	Non- Collision
1029907	Property Damage Only	1/8/2017	3:25:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	No Data	PDO	о	Rear-end
1030752	Property Damage Only	1/3/2017	10:39:00 PM	SR445	S	Kiley Pkwy.	No Data	No Data	PDO	о	Angle
1032276	Property Damage Only	1/23/2017	12:38:00 PM	SR445	N	Mile Marker 2	No Data	No Data	PDO	о	Rear-end
1032776	Property Damage Only	2/15/2017	6:16:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	0	Rear-end
1033730	Property Damage Only	3/12/2017	4:21:00 AM	SR445	S	Sparks Blvd.	No Data	No Data	PDO	0	Non- collision
1033998	Property Damage Only	3/1/2017	5:02:00 PM	SR445	N	Queen Way	No Data	No Data	PDO	о	Unknown
1043097	Property Damage Only	5/21/2017	10:30:00 AM	SR445	N	Queen Way	No Data	No Data	PDO	о	Rear-end
1046044	Property Damage Only	4/16/2017	3:51:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	о	Angle
1046240	Property Damage Only	5/8/2017	4:36:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	о	Rear-end
1049503	Property Damage Only	3/23/2017	12:45:00 PM	SR445	No Data	Disc Dr.	No Data	No Data	PDO	0	Rear-end
1050788	Property Damage Only	6/22/2017	4:06:00 AM	SR445	N	Queen Way	No Data	No Data	PDO	No Data	Non- collision
1051069	Property Damage Only	6/7/2017	3:05:00 PM	SR445	S	N Los Altos Pkwy	No Data	No Data	PDO	о	Rear-end
1051299	Property Damage Only	6/30/2017	8:09:00 AM	SR445	S	Disc Dr.	No Data	No Data	PDO	о	Rear-end
1052150	Property Damage Only	7/1/2017	4:57:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	о	Non- Collision
1052231	Property Damage Only	6/1/2017	6:30:00 PM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	о	Angle
1053026	Property Damage Only	6/26/2017	12:27:00 PM	SR445	N	Queen Way	No Data	No Data	PDO	о	Angle
1053102	Property Damage Only	5/23/2017	6:30:00 AM	SR445	No Data	Sparks Blvd.	No Data	No Data	PDO	0	Rear-end
1053308	Property Damage Only	4/9/2017	4:33:00 PM	Kiley Pkwy.	E	SR445	No Data	No Data	PDO	0	Non- collision
1053858	Property Damage Only	6/30/2017	9:29:00 AM	SR445	S	Disc Dr.	No Data	No Data	PDO	0	Sideswipe, Overtaking
1053885	Property Damage Only	6/3/2017	11:05:00 AM	SR445	S	Disc Dr.	No Data	No Data	PDO	0	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1063429	Property Damage Only	8/14/2017	4:31:00 PM	SR445	No Data	Queen Way	No Data	No Data	PDO	о	Angle
1064409	Property Damage Only	8/1/2017	1:35:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	No Data	PDO	0	Rear-end
1064573	Property Damage Only	7/13/2017	6:30:00 PM	SR445	N	Spring Ridge Dr.	No Data	No Data	PDO	о	Non- collision
1066205	Property Damage Only	9/22/2017	12:33:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	о	Rear-end
1066561	Property Damage Only	10/13/2017	2:01:00 PM	SR445	N	N Los Altos Pkwy.	No Data	No Data	PDO	о	Rear-end
1066635	Property Damage Only	9/5/2017	6:00:00 PM	SR445	No Data	N Los Altos Pkwy.	No Data	No Data	PDO	о	Rear-end
1067151	Property Damage Only	7/22/2017	5:46:00 PM	Sparks Blvd.	No Data	SR445	No Data	No Data	PDO	No Data	Non- collision
1067320	Property Damage Only	9/14/2017	2:38:00 PM	SR445	N	SR880	No Data	No Data	PDO	о	Rear-end
1067952	Property Damage Only	9/7/2017	9:24:00 PM	SR445	N	Sparks Blvd.	No Data	No Data	PDO	о	Non- collision
1068354	Property Damage Only	9/18/2017	7:03:00 AM	SR445	S	N Los Altos Pkwy.	No Data	No Data	PDO	о	Sideswipe, Overtaking
1068639	Property Damage Only	9/28/2017	6:48:00 AM	SR445	S	Disc Dr.	No Data	No Data	PDO	о	Rear-end
1069654	Property Damage Only	9/22/2017	7:30:00 PM	SR445	N	Queen Way	No Data	No Data	PDO	о	Rear-end
1069821	Property Damage Only	10/15/2017	7:42:00 AM	SR445	S	Spring Ridge Dr.	No Data	No Data	PDO	о	Rear-end
1073287	Property Damage Only	11/26/2017	5:51:00 PM	SR445	N	SR880	No Data	No Data	PDO	о	Rear-end
1074529	Property Damage Only	11/30/2017	7:44:00 AM	SR445	N	Sparks Blvd.	No Data	No Data	PDO	о	Sideswipe, Overtaking
1074685	Property Damage Only	12/23/2017	2:20:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	о	Angle
1075019	Property Damage Only	11/30/2017	7:15:00 PM	SR445	S	Disc Dr.	No Data	No Data	PDO	о	Rear-end
1075261	Property Damage Only	11/17/2017	11:18:00 AM	SR445	N	SR880	No Data	No Data	PDO	о	Rear-end
1075415	Property Damage Only	12/15/2017	10:00:00 PM	SR445	N	Highland Ranch Pkwy.	No Data	No Data	PDO	о	Rear-end
1075441	Property Damage Only	11/17/2017	12:18:00 PM	SR445	N	SR880	No Data	No Data	PDO	о	Rear-end
1075582	Property Damage Only	10/23/2017	10:17:00 AM	SR445	N	SR880	No Data	No Data	PDO	0	Rear-end
1075592	Property Damage Only	12/8/2017	1:32:00 AM	Sparks Blvd.	E	SR445	No Data	No Data	PDO	No Data	Non- collision
1075765	Property Damage Only	10/22/2017	6:30:00 PM	SR445	N	Disc DR.	No Data	No Data	PDO	0	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1076603	Property Damage Only	12/6/2017	5:14:00 PM	SR445	S	Sparks Blvd.	No Data	No Data	PDO	о	Rear-end
1077866	Property Damage Only	10/26/2017	9:19:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	о	Rear-end
1080048	Property Damage Only	10/9/2017	4:21:00 PM	SR445	N	Disc Dr.	No Data	No Data	PDO	о	Sideswipe, Overtaking
1080469	Property Damage Only	11/13/2017	11:39:00 AM	SR445	N	SR880	No Data	No Data	PDO	о	Rear-end
1082015	Property Damage Only	12/8/2017	5:30:00 PM	SR445	No Data	Mile Marker 3	No Data	No Data	PDO	о	Angle
1083627	Property Damage Only	11/3/2017	3:55:00 PM	SR445	N	Los Altos Pkwy.	No Data	No Data	PDO	о	Non- collision

Crash Data, Pyramid (Sparks Blvd. to Calle de la Platta), Washoe County

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
948096	Injury Crash	2/16/2015	6:57:00 PM	SR445	No Data	Calle de la Platta	No Data	3	No Data	С	Rear-end
952642	Injury Crash	3/22/2015	7:45:00 AM	SR445	N	Mile Marker 5	No Data	1	No Data	С	Rear-end
952801	Injury Crash	4/28/2015	7:27:00 PM	SR445	S	La Posada Dr.	No Data	1	No Data	С	Rear-end
953255	Injury Crash	6/16/2015	5:56:00 PM	SR445	S	Lazy Five Pkwy.	No Data	1	No Data	С	Rear-end
953531	Injury Crash	7/7/2015	12:21:00 PM	SR445	S	Sparks Blvd.	No Data	2	No Data	С	Rear-end
954969	Injury Crash	4/3/2015	10:46:00 AM	SR445	S	Sparks Blvd.	No Data	1	No Data	С	Rear-end
955355	lnjury Crash	3/20/2015	4:07:00 PM	SR445	S	Eagle Canyon Dr.	No Data	1	No Data	В	Non- collision
955629	Injury Crash	7/22/2015	1:53:00 PM	SR445	S	Lazy Five Pkwy.	No Data	2	No Data	с	Rear-end
959822	Injury Crash	5/8/2015	12:35:00 PM	Egyptian Dr.	W	SR445	No Data	1	No Data	С	Rear-end
960385	Injury Crash	9/3/2015	8:15:00 AM	SR445	N	La Posada Dr.	No Data	2	No Data	с	Sideswiping, Overtaking
960405	Injury Crash	8/27/2015	10:35:00 PM	SR445	N	Mile Marker 9	No Data	3	No Data	U	Rear-end
961172	Injury Crash	9/30/2015	5:06:00 PM	SR445	S	Tierra Del Sol Pkwy.	No Data	2	No Data	U	Angle
965204	Injury Crash	10/12/2015	8:20:00 PM	SR445	S	Eagle Canyon Dr.	No Data	1	No Data	С	Rear-end
976071	Injury Crash	11/30/2015	7:20:00 AM	SR445	Ν	Sparks Blvd.	No Data	1	No Data	С	Rear-end
982116	Injury Crash	11/30/2015	10:29:00 AM	Calle de la Platta	E	SR445	No Data	1	No Data	В	Non- collision
982119	Injury Crash	12/7/2015	9:35:00 AM	Sky Ranch Blvd.	No Data	SR445	No Data	1	No Data	С	Rear-end
983075	Injury Crash	2/3/2016	6:20:00 AM	SR445	No Data	Calle de la Platta	No Data	1	No Data	с	Angle
983395	Injury Crash	2/26/2016	11:08:00 AM	SR445	N	Highland Ranch Pkwy	No Data	2	No Data	С	Rear-end
984404	Injury Crash	7/9/2015	6:20:00 PM	Sky Ranch Blvd.	No Data	SR445	No Data	2	No Data	С	Rear-end
985347	lnjury Crash	4/15/2016	12:20:00 AM	SR445	N	David James Blvd.	No Data	2	No Data	В	Non- collision
989266	Injury Crash	3/27/2016	10:45:00 AM	SR445	N	Sparks Blvd.	No Data	2	No Data	с	Angle
989932	Injury Crash	5/4/2016	8:46:00 PM	SR445	No Data	Sparks Blvd.	No Data	2	No Data	С	Angle
990626	Injury Crash	4/23/2016	10:30:00 PM	SR445	No Data	Highland Ranch Pkwy.	No Data	1	No Data	С	Non- collision
996357	Injury Crash	5/21/2016	11:18:00 AM	SR445	No Data	Eagle Canyon Dr.	No Data	1	No Data	В	Angle
996571	Injury Crash	8/26/2016	4:36:00 AM	SR445	No Data	Lazy Five Pkwy.	No Data	1	No Data	А	Non- collision
996889	Injury Crash	5/25/2016	5:46:00 AM	Highland Ranch Pkwy.	w	SR445	No Data	2	No Data	U	Head-on
999587	Injury Crash	6/14/2016	12:54:00 PM	SR445	No Data	Lazy Five Pkwy.	No Data	1	No Data	В	Non- collision
1003249	Injury Crash	7/25/2016	1:41:00 PM	SR445	No Data	Sunset Springs Ln.	No Data	1	No Data	В	Angle
1007226	Injury Crash	8/7/2016	9:46:00 AM	SR445	Ν	Lazy Five Pkwy.	No Data	1	No Data	С	Non- Collision
OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
-----------	-------------------	------------	----------------	----------------------------	-----------	----------------------------	------------	---------	----------------------------	----------------	--------------------------
1011177	Injury Crash	9/6/2016	8:15:00 AM	SR445	S	Mile Marker 6	No Data	1	No Data	В	Rear-End
1012702	Injury Crash	9/29/2016	9:03:00 AM	SR445	S	La Posada Dr.	No Data	1	No Data	С	Rear-End
1012799	Injury Crash	11/27/2016	5:19:00 PM	SR445	S	La Posada Dr.	No Data	1	No Data	С	Rear-End
1013802	lnjury Crash	12/25/2016	1:30:00 PM	Highland Ranch Pkwy.	No Data	SR445	No Data	1	No Data	В	Rear-end
1013978	lnjury Crash	12/5/2016	9:05:00 AM	SR445	Ν	Highland Ranch Pkwy.	No Data	2	No Data	С	Rear-end
1014107	Injury Crash	10/14/2016	7:57:00 PM	SR445	No Data	Calle de la Platta	No Data	6	No Data	С	Angle
1021123	Injury Crash	5/14/2016	7:49:00 AM	SR445	Ν	Lazy Five Pkwy.	No Data	1	No Data	С	Non- collision
1029189	Injury Crash	1/16/2017	4:55:00 PM	SR445	S	Lazy Five Pkwy.	No Data	2	No Data	С	Rear-end
1032088	Injury Crash	1/17/2017	6:55:00 AM	SR445	S	Calle de la Platta	No Data	3	No Data	С	Rear-end
1032225	Injury Crash	1/17/2017	6:55:00 AM	SR445	S	Calle de la Platta	No Data	2	No Data	С	Rear-end
1033576	Injury Crash	2/16/2017	11:39:00 AM	SR445	N	La Posada Dr.	No Data	1	No Data	С	Rear-end
1034174	Injury Crash	3/14/2017	6:59:00 AM	SR445	N	Mile Marker 9	No Data	2	No Data	В	Angle
1039780	lnjury Crash	3/9/2017	3:46:00 PM	SR445	No Data	Eagle Canyon Dr.	No Data	1	No Data	В	Rear-end
1042659	lnjury Crash	4/13/2017	9:27:00 AM	Highland Ranch Pkwy.	w	SR445	No Data	1	No Data	С	Rear-end
1042942	Injury Crash	4/9/2017	8:35:00 AM	SR445	S	La Posada Dr.	No Data	1	No Data	С	Rear-end
1043500	Injury Crash	4/17/2017	8:20:00 AM	SR445	N	Mile Marker 9	No Data	1	No Data	В	Non- collision
1045028	Injury Crash	5/3/2017	5:30:00 PM	SR445	No Data	La Posada Dr.	No Data	1	No Data	С	Rear-end
1047999	Injury Crash	4/24/2017	3:39:00 PM	SR445	S	Lazy Five Pkwy.	No Data	1	No Data	С	Angle
1049534	lnjury Crash	4/13/2017	2:48:00 PM	SR445	S	Robert Banks Blvd.	No Data	5	No Data	С	Rear-end
1049593	Injury Crash	5/18/2017	6:13:00 PM	SR445	No Data	Sparks Blvd.	No Data	1	No Data	С	Angle
1049740	Injury Crash	4/28/2017	2:55:00 PM	SR445	Ν	Highland Ranch Pkwy.	No Data	2	No Data	А	Rear-end
1062557	Injury Crash	6/17/2017	6:52:00 PM	SR445	No Data	Sparks Blvd.	No Data	1	No Data	С	Sideswipe, Overtaking
1063417	Injury Crash	8/6/2017	5:57:00 PM	SR445	S	Lazy Five Pkwy.	No Data	1	No Data	С	Rear-end
1064115	Injury Crash	8/12/2017	10:54:00 AM	SR445	S	Tierra Del Sol Pkwy.	No Data	1	No Data	В	Non- collision
1064683	Injury Crash	8/13/2017	12:06:00 PM	SR445	Ν	Mile Marker 7	No Data	1	No Data	В	Angle
1066616	Injury Crash	9/26/2017	10:57:00 AM	SR445	No Data	Sparks Blvd.	No Data	2	No Data	С	Angle
1066992	Injury Crash	8/24/2017	2:59:00 PM	SR445	S	La Posada Dr.	No Data	1	No Data	С	Rear-end
1067923	lnjury Crash	9/1/2017	8:34:00 PM	SR445	N	Eagle Canyon Dr.	No Data	1	No Data	С	Rear-end
1069135	Injury Crash	9/9/2017	5:56:00 PM	SR445	S	Calle de la Platta	No Data	1	No Data	С	Angle
1069423	lnjury Crash	9/11/2017	2:33:00 PM	SR445	Ν	Eagle Canyon Rd.	No Data	2	No Data	С	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Dir	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1071498	lnjury Crash	10/6/2017	7:26:00 PM	SR445	N	David James Blvd.	No Data	1	No Data	С	Rear-end
1080071	lnjury Crash	12/17/2017	4:11:00 PM	SR445	S	Highland Ranch Pkwy.	No Data	2	No Data	С	Rear-end
1083267	Injury Crash	11/16/2017	6:51:00 AM	SR445	S	La Posada Dr.	No Data	1	No Data	С	Rear-end
944579	Property Damage Only	1/7/2015	6:20:00 PM	SR445	S	Mile Marker 8	No Data	No Data	PDO	No Data	Angle
945092	Property Damage Only	3/9/2015	5:10:00 PM	SR445	S	Mile Marker 7	No Data	No Data	PDO	No Data	Rear-end
945561	Property Damage Only	2/16/2015	12:03:00 PM	SR445	No Data	Sparks Blvd.	No Data	No Data	PDO	No Data	Rear-end
946264	Property Damage Only	1/29/2015	3:57:00 PM	SR445	S	La Posada Dr.	No Data	No Data	PDO	No Data	Rear-end
952494	Property Damage Only	5/7/2015	10:10:00 AM	SR445	N	Erin Dr.	No Data	No Data	PDO	No Data	Non- collision
953661	Property Damage Only	4/10/2015	11:06:00 AM	Highland Ranch Pkwy.	w	SR445	No Data	No Data	PDO	No Data	Rear-end
953926	Property Damage Only	5/14/2015	7:32:00 AM	SR445	No Data	Eagle Canyon Dr.	No Data	No Data	PDO	No Data	Non- collision
954066	Property Damage Only	7/10/2015	2:20:00 AM	SR445	N	Mile Marker 7	No Data	No Data	PDO	No Data	Non- collision
954238	Property Damage Only	7/3/2015	5:36:00 PM	SR445	N	Sunset Springs Ln.	No Data	No Data	PDO	No Data	Rear-end
954593	Property Damage Only	5/17/2015	7:17:00 AM	SR445	S	Sky Ranch Blvd.	No Data	No Data	PDO	No Data	Angle
954924	Property Damage Only	6/2/2015	7:15:00 AM	SR445	N	Eagle Canyon Dr.	No Data	No Data	PDO	No Data	Rear-end
955469	Property Damage Only	7/17/2015	10:42:00 AM	SR445	No Data	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
955721	Property Damage Only	7/13/2015	3:17:00 PM	SR445	N	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Angle
955926	Property Damage Only	4/28/2015	7:39:00 AM	SR445	S	Mile Marker 6	No Data	No Data	PDO	No Data	Rear-end
956046	Property Damage Only	6/23/2015	5:59:00 PM	SR445	S	Lazy Five Pkwy.	No Data	No Data	PDO	No Data	Angle
956321	Property Damage Only	5/18/2015	7:42:00 AM	SR445	No Data	La Posada Dr.	No Data	No Data	PDO	No Data	Rear-end
956534	Property Damage Only	6/14/2015	11:16:00 AM	Sunset Springs Ln.	E	SR445	No Data	No Data	PDO	No Data	Rear-end
956873	Property Damage Only	5/29/2015	2:30:00 PM	SR445	No Data	Eagle Canyon Dr.	No Data	No Data	PDO	No Data	Angle
958541	Property Damage Only	9/27/2015	4:55:00 PM	Sunset Springs Ln.	E	SR445	No Data	No Data	PDO	No Data	Non- collision
959047	Property Damage Only	3/8/2015	5:30:00 PM	SR445	No Data	La Posada Dr.	No Data	No Data	PDO	No Data	Angle

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
960233	Property Damage Only	9/17/2015	9:15:00 PM	SR445	N	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
960348	Property Damage Only	8/3/2015	6:09:00 PM	SR445	S	Dolores Dr.	No Data	No Data	PDO	No Data	Non- collision
960384	Property Damage Only	9/24/2015	7:33:00 AM	Eagle Canyon Dr.	No Data	SR445	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
960450	Property Damage Only	9/29/2015	6:05:00 PM	SR445	Ν	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle
960488	Property Damage Only	9/21/2015	4:06:00 PM	SR445	Ν	Calle de la Platta	No Data	No Data	PDO	No Data	Angle
960498	Property Damage Only	8/18/2015	3:45:00 PM	SR445	No Data	La Posada Dr.	No Data	No Data	PDO	No Data	Angle
965244	Property Damage Only	10/14/2015	7:57:00 PM	SR445	N	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle
973665	Property Damage Only	10/6/2015	4:45:00 PM	SR445	S	Mile Marker 6	No Data	No Data	PDO	No Data	Rear-end
973778	Property Damage Only	10/26/2015	12:21:00 AM	SR445	S	Mile Marker 7	No Data	No Data	PDO	No Data	Non- collision
973904	Property Damage Only	11/1/2015	9:17:00 AM	Erin Dr.	No Data	SR445	No Data	No Data	PDO	No Data	Rear-end
975944	Property Damage Only	11/24/2015	12:48:00 PM	SR445	S	Mile Marker 7	No Data	No Data	PDO	No Data	Non- collision
977517	Property Damage Only	12/22/2015	7:09:00 PM	SR445	No Data	Eagle Canyon Dr.	No Data	No Data	PDO	No Data	Angle
978526	Property Damage Only	6/14/2015	10:16:00 PM	Sparks Blvd.	E	SR445	No Data	No Data	PDO	No Data	Non- collision
978672	Property Damage Only	6/8/2015	12:28:00 PM	SR445	E	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
979378	Property Damage Only	7/22/2015	6:26:00 PM	Sparks Blvd.	No Data	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Angle
982132	Property Damage Only	12/17/2015	1:40:00 PM	SR445	No Data	La Posada Dr.	No Data	No Data	PDO	No Data	Rear-end
983074	Property Damage Only	2/3/2016	6:25:00 AM	SR445	No Data	Erin Dr.	No Data	No Data	PDO	No Data	Rear-end
983678	Property Damage Only	2/27/2016	12:09:00 PM	Sparks Blvd.	E	SR445	No Data	No Data	PDO	No Data	Non- collision
983975	Property Damage Only	2/24/2015	5:58:00 PM	Calle de la Platta	w	SR445	No Data	No Data	PDO	No Data	Non- collision
984169	Property Damage Only	9/25/2015	12:56:00 PM	La Posada Dr.	No Data	SR445	No Data	No Data	PDO	No Data	Rear-end
984453	Property Damage Only	9/19/2015	5:47:00 PM	SR445	No Data	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
984490	Property Damage Only	11/15/2015	3:20:00 PM	Highland Ranch Pkwy.	W	SR445	No Data	No Data	PDO	No Data	Angle
987272	Property Damage Only	3/19/2016	12:00:00 PM	SR445	S	La Posada Dr.	No Data	No Data	PDO	No Data	Rear-end

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
987804	Property Damage Only	5/4/2016	9:26:00 PM	SR445	Ν	Sparks Blvd.	No Data	No Data	PDO	No Data	Rear-end
993633	Property Damage Only	4/7/2016	3:00:00 PM	SR445	No Data	LA Posada Dr.	No Data	No Data	PDO	No Data	Angle
995073	Property Damage Only	5/21/2016	11:59:00 AM	SR445	Ν	Mile Marker 7	No Data	No Data	PDO	No Data	Angle
997610	Property Damage Only	5/28/2016	8:37:00 PM	SR445	No Data	Dolores Dr.	No Data	No Data	PDO	No Data	Angle
998082	Property Damage Only	6/2/2016	2:46:00 PM	SR445	Ν	Eagle Canyon Dr.	No Data	No Data	PDO	No Data	Rear-end
998799	Property Damage Only	6/6/2016	3:34:00 PM	SR445	N	Sparks Blvd.	No Data	No Data	PDO	No Data	Rear-end
1000415	Property Damage Only	6/19/2016	7:30:00 AM	SR445	Ν	Eagle Canyon Dr.	No Data	No Data	PDO	No Data	Rear-end
1001319	Property Damage Only	6/25/2016	2:05:00 PM	Sparks Blvd.	E	SR445	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
1001388	Property Damage Only	6/27/2016	7:45:00 AM	SR445	No Data	Sparks Blvd.	No Data	No Data	PDO	No Data	Rear-end
1003463	Property Damage Only	7/15/2016	3:00:00 PM	SR445	E	Mile Marker 6.38	No Data	No Data	PDO	No Data	Rear-end
1005349	Property Damage Only	8/14/2016	3:12:00 PM	SR445	No Data	Calle de la Platta	No Data	No Data	PDO	No Data	Angle
1011426	Property Damage Only	9/2/2016	2:10:00 PM	SR445	S	Mile Marker 8	No Data	No Data	PDO	No Data	Rear-end
1012793	Property Damage Only	10/19/2016	5:21:00 PM	SR445	No Data	Calle de la Platta	No Data	No Data	PDO	No Data	Sideswipe, Overtaking
1012880	Property Damage Only	10/7/2016	11:00:00 AM	SR445	S	David James Blvd.	No Data	No Data	PDO	No Data	Rear-end
1013269	Property Damage Only	10/8/2016	5:00:00 AM	Sparks Blvd	S	SR445	No Data	No Data	PDO	No Data	Non- collision
1013414	Property Damage Only	10/30/2016	8:06:00 AM	SR445	Ν	Highland Ranch Pkwy.	No Data	No Data	PDO	No Data	Rear-end
1013618	Property Damage Only	10/29/2016	3:32:00 PM	SR445	Ν	Lazy Five Pkwy.	No Data	No Data	PDO	No Data	Non- collision
1014093	Property Damage Only	12/22/2016	8:17:00 PM	SR445	No Data	Sparks Blvd.	No Data	No Data	PDO	No Data	Angle
1014141	Property Damage Only	11/27/2016	5:21:00 PM	SR445	S	La Posada Dr.	No Data	No Data	PDO	No Data	Rear-end
1014191	Property Damage Only	11/17/2016	2:05:00 PM	SR445	Ν	Calle de la Plata	No Data	No Data	PDO	No Data	Angle
1014335	Property Damage Only	12/8/2016	6:43:00 PM	SR445	No Data	La Posada Dr.	No Data	No Data	PDO	No Data	Angle
1014354	Property Damage Only	10/23/2016	7:05:00 AM	Robert Banks Blvd.	No Data	SR445	No Data	No Data	PDO	No Data	Rear-end
1014397	Property Damage Only	12/15/2016	4:42:00 PM	SR445	S	Eagle Canyon Dr.	No Data	No Data	PDO	No Data	Non- collision

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1020637	Property Damage Only	5/12/2016	4:05:00 PM	SR445	No Data	Egyptian Dr.	No Data	No Data	PDO	No Data	Angle
1032327	Property Damage Only	1/11/2017	4:45:00 AM	SR445	N	Erin Dr.	No Data	No Data	PDO	0	Non- collision
1036451	Property Damage Only	2/21/2017	7:41:00 AM	Egyptian Dr.	No Data	SR445	No Data	No Data	PDO	0	Backing
1036467	Property Damage Only	3/13/2017	6:15:00 PM	SR445	S	La Posada Dr.	No Data	No Data	PDO	0	Non- collision
1040092	Property Damage Only	3/6/2017	7:06:00 AM	SR445	w	Calle de la Platta	No Data	No Data	PDO	0	Rear-end
1044666	Property Damage Only	4/11/2017	11:08:00 AM	SR445	Ν	Sky Ranch Blvd.	No Data	No Data	PDO	0	Rear-end
1050087	Property Damage Only	5/19/2017	4:16:00 AM	SR445	S	Sunset Springs Ln.	No Data	No Data	PDO	0	Non- collision
1052950	Property Damage Only	7/5/2017	6:15:00 AM	SR445	Ν	Mile Marker 8	No Data	No Data	PDO	0	Non- collision
1053102	Property Damage Only	5/23/2017	6:30:00 AM	SR445	No Data	Sparks Blvd.	No Data	No Data	PDO	0	Rear-end
1062588	Property Damage Only	7/5/2017	4:40:00 PM	SR445	Ν	Sunset Springs Ln.	No Data	No Data	PDO	0	Angle
1064446	Property Damage Only	8/16/2017	3:22:00 PM	SR445	No Data	Sky Ranch Blvd.	No Data	No Data	PDO	0	Angle
1064972	Property Damage Only	8/7/2017	6:44:00 AM	SR445	S	La Posada Dr.	No Data	No Data	PDO	0	Rear-end
1065406	Property Damage Only	8/16/2017	3:00:00 PM	SR445	Ν	Mile Marker 7	No Data	No Data	PDO	0	Non- collision
1066915	Property Damage Only	9/24/2017	4:45:00 PM	Tierra Del Sol Pkwy.	E	SR445	No Data	No Data	PDO	0	Rear-end
1066931	Property Damage Only	9/18/2017	7:44:00 PM	SR445	No Data	Eagle Canyon Dr.	No Data	No Data	PDO	0	Angle
1067151	Property Damage Only	7/22/2017	5:46:00 PM	Sparks Blvd.	No Data	SR445	No Data	No Data	PDO	No Data	Non- collision
1067952	Property Damage Only	9/7/2017	9:24:00 PM	SR445	Ν	Sparks Blvd.	No Data	No Data	PDO	0	Non- collision
1067999	Property Damage Only	9/24/2017	5:36:00 PM	SR445	S	Tierra Del Sol Pkwy.	No Data	No Data	PDO	0	Sideswipe, Overtaking
1068015	Property Damage Only	10/7/2017	10:21:00 PM	Dolores Dr.	No Data	SR445	No Data	No Data	PDO	0	Non- Collision
1070420	Property Damage Only	8/30/2017	7:01:00 AM	Eagle Canyon Dr.	w	SR445	No Data	No Data	PDO	0	Rear-end
1070742	Property Damage Only	8/30/2017	2:42:00 PM	Eagle Canyon Dr.	w	SR445	No Data	No Data	PDO	0	Sideswipe, Overtaking
1070870	Property Damage Only	4/16/2015	7:25:00 PM	SR445	Ν	Sparks Blvd	No Data	No Data	PDO	No Data	Rear-end
1070885	Property Damage Only	9/21/2015	7:33:00 PM	SR445	S	Lazy Five Pkwy.	No Data	No Data	PDO	No Data	Sideswipe, Overtaking

OBJECT ID	Crash Severity	Crash Date	Crash Time	Primary Street	Direction	Secondary Street	Fatalities	Injured	Property Damage Only	Injury Type	Crash Type
1073217	Property Damage Only	11/25/2017	4:23:00 PM	SR445	S	La Posada Dr.	No Data	No Data	PDO	0	Rear-end
1073655	Property Damage Only	11/13/2017	12:28:00 PM	SR445	S	Eagle Canyon Dr.	No Data	No Data	PDO	0	Rear-end
1074529	Property Damage Only	11/30/2017	7:44:00 AM	SR445	Ν	Sparks Blvd.	No Data	No Data	PDO	0	Sideswipe, Overtaking
1075096	Property Damage Only	12/19/2017	6:46:00 AM	SR445	No Data	Tierra Del Sol Pkwy.	No Data	No Data	PDO	0	Non- Collision
1075108	Property Damage Only	10/21/2017	8:10:00 PM	SR445	Ν	Lazy Five Pkwy.	No Data	No Data	PDO	0	Non- collision
1075415	Property Damage Only	12/15/2017	10:00:00 PM	SR445	Ν	Highland Ranch Pkwy.	No Data	No Data	PDO	0	Rear-end
1075592	Property Damage Only	12/8/2017	1:32:00 AM	Sparks Blvd.	E	SR445	No Data	No Data	PDO	No Data	Non- collision
1076884	Property Damage Only	11/28/2017	7:25:00 AM	SR445	Ν	Highland Ranch Pkwy.	No Data	No Data	PDO	0	Rear-end
1076898	Property Damage Only	11/27/2017	10:03:00 PM	SR445	No Data	Eagle Canyon Dr.	No Data	No Data	PDO	0	Angle
1080004	Property Damage Only	11/27/2017	8:39:00 AM	SR445	S	Eagle Canyon Dr.	No Data	No Data	PDO	0	Rear-end
1080754	Property Damage Only	10/7/2017	2:51:00 AM	SR445	Ν	Lazy Five Pkwy.	No Data	No Data	PDO	0	Non- collision
1082484	Property Damage Only	10/24/2017	7:35:00 AM	SR445	S	Lazy Five Pkwy.	No Data	No Data	PDO	0	Angle
1082764	Property Damage Only	11/12/2017	2:54:00 PM	SR445	S	Calle de la Plata	No Data	No Data	PDO	0	Sideswipe, Overtaking

SUB-SECTION D - TRANSFORMING ECONOMIES

Overall Economic Development										
Total Score	Ranking	Score								
	HIGH	50								
100	MEDUIM	45.1 - 82.4								
	LOW	36								
NDOT seeks to promote the expansion and diversity of Nevada's economy. Points are awarded to those projects that										

NDOT seeks to promote the expansion and diversity of Nevada's economy. Points are awarded to those projects that have a greater potential to promote economic development.

D1 - Truck Percentage									
	Percent	age Scoring System							
Maximum Score	Min.	Max.	Score						
	0.00%	0.90%	0						
	1.00%	2.90%	6.25						
25.0	3.00%	4.90%	12.5						
	5.00%	9.90%	18.75						
	10.00%	Above	25						
	Description								
Points are awarded based on the percentage of trucks the project roadway carries. This criterion will better reflect low volume roads that are vital to isolated economic generators within the state such as mining and agriculture.									
Truck % = Truck AADT / Total Vehicular AADT									

D2 - Freight Reliability								
Travel time Index (TTI)								
Maximum Score	Max.	Min.	Score					
	Greater than 2.61	2.6	25					
25.0	2.59	1.8	16.6					
25.0	1.79	1.2	8.3					
	1.19	1	0.0					

Description

Travel time index (TTI) is the ratio of the actual travel time that would occur under uncongested conditions. A TTI of 1.0 means the facility is totally uncongested. A TTI of 1.2 means that the travel time is 20 percent higher than it would be for uncongested conditions. The values shown in this table are the Planning Time Index (PTI) which are the 95th percentile travel times divided by the uncongested travel time. New alignments will be considered uncongested; score will be rated as zero.

	D3 - Support Economic Development							
	Scoring System							
Maximum Score	Criteria	Score						
	Project may negatively impact economic generator access along the alignment.	0						
	Project continues to support and maintain existing access to economic generators.	12.5						
50.0	Project may impact a select number of economic generator access, but it enhances the overall alignment corridor access.	25						
	Project enhances existing access and improves connectivity along the alignment.	37.5						
	Project provides new connections to both existing economic generators and new development areas.	50						
Description								
Points are awarded to projects based on impacts or improvements to existing economic generators such as but not limited to, shopping centers, recreational facilities, commercial office space, industrial complexes, tourist attractions, etc.								

					Trai	nsforming Econor	nies	
	Study	Location	Description	Truck Percentage 25.0%	Freight Reliability 25.0%	Support Economic Development 50.0%	Total Economic Score 100.0%	Weighted Economies Score 25.0%
Roa	dway							
1		US 395	Widen US-395 from Clear Acre Lane to Red Rock Drive (MP 27.06 to 35.81)	25	25.0	12.5	62.5	15.6
2		I-80 East	Widen I-80 from McCarran Boulevard to USA Parkway (MP 17.56 to 32.75)	25	16.6	25.0	66.6	16.7
3		1-580	New Auxiliary Lanes between interchanges: 1. NB I-580 Moana Ln to Virginia St (MP 22.56 to 21.51) 2. NB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP 20.72 to 21.51) 3. SB I-580 Moana Ln to Virginia St/Kietzke Ln (MP 22.56 to 21.51) 4. SB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP20.72 to21.51)	12.5	25.0	12.5	50.0	12.5
4		I-80 West	Widen EB I-80 Robb Drive to Keystone Avenue (MP 9.23 to 12.48)	18.75	8.3	12.5	39.6	9.9
5	EDAWN La Posada Study	La Posada Alternatives	Potential roadway connection from La Posada to USA Parkway	0.0	0.0	37.5	37.5	9.4
6	Sparks TMSA Study	La Posada						
7	NDOT South Meadows Evaluation	South Meadows Connector	New alignment from South Meadows to USA Parkway	0.0	0.0	50.0	50.0	12.5
8	Pyramid/US 395 Connector	Connection between Pyramid and US 395 (Overall)	New alignment currently under EIS study	0.0	0.0	37.5	37.5	9.4
9		Phase 1	Widen Pyramid Hwy between Queen Way and Sparks Blvd. (MP 1.97 to 5.44)	0.0	25.0	12.5	37.5	9.4
10		Phase 2	Widen Disc Dr. from Pyramid hwy. to Vista Blvd.	0.0	0.0	12.5	12.5	3.1
11		Phase 3	Construct new US 395 Connector from Parr interchange to Pyramid Highway	0.0	0.0	37.5	37.5	9.4
12		Phase 4	Add new direct connect Ramps at US395 w/ widening of US395	0.0	0.0	12.5	12.5	3.1
13		Phase 5	Widen Pyramid highway from Sparks Blvd. to Calle De La Plata (MP 5.44 to 9.75)	0.0	25.0	12.5	37.5	9.4
14		Phase 6	New interchange near Sun Valley local improvements	0.0	0.0	37.5	37.5	9.4

				Transforming Economies						
	Study	Location	Description	Truck Percentage	Freight Reliability	Support Economic Development	Total Economic Score	Weighted Economic Score		
Pop	dway			25.0%	25.0%	50.0%	100.0%	25.0%		
NUd	SEC Alignment									
	Studies									
	Storey County Land Use									
15		Patrick/I-80 Interchange	Reconstruct Interchange	25	16.6	25	66.6	16.7		
16		Lockwood/I-80 Interchange	Reconstruct Interchange	25	8.3	25	58.3	14.6		
17		Vanpooling	See transit column below							
18		TRIC internal transit/rail	NDOT currently studying as part of inter-county regional transit study							
19	Reno Spaghetti Bowl	I-80/I-580/US 395 System Interchange	Reconstruct Interchange (MP 25.0)	12.5	25.0	12.5	50.0	12.5		
20	NDOT Autonomous Vehicles Grant	I-80	Feasibility of a pilot AV corridor project	25	8.3	12.5	45.8	11.5		
	2009 I-80 Corridor Study									
		Patrick/I-80 Interchange	Reconstruct Interchange (MP 28.1)							
		Lockwood/I-80 Interchange	Reconstruct Interchange (MP 22.5)							
		Patrick/I-80	Construct Roundabout							
		Lockwood/I-80	Construct Roundabout							
21		Eastbound I-80 - McCarran to Sparks	Add auxiliary lanes (MP 16.5 to 17.6)	25.0	8.3	12.5	45.8	11.5		
22		Eastbound I-80 McCarran to Vista	Widen to 3 lanes (MP 17.6 to 19.7)	25.0	8.3	12.5	45.8	11.5		
		Eastbound I-80 Vista to Lockwood	Add auxiliary lane							
		Eastbound I-80 Vista to Patrick	Widen to 3 lanes							
23		Westbound I-80 Sparks to McCarran	Add auxiliary lane (MP 16.5 to 17.6)	25.0	8.3	12.5	45.8	11.5		
24		Westbound I-80 Vista to McCarran	Widen to 3 lanes (MP 17.6 to 19.7)	25.0	8.3	12.5	45.8	11.5		
		Westbound Lockwood to Vista	Add auxiliary lane							
		Westbound Patrick to Vista	Widen to 3 lanes							
25		Install ITS backbone	E. McCarran to Wadsworth	25.0	8.3	12.5	45.8	11.5		
	Freight									
	Nevada State Freight Plan									

				Transforming Economies					
	Study	Location	Description	Truck Percentage	Freight Reliability	Support Economic Development	Total Economic Score	Weighted Economic Score	
				25.0%	25.0%	50.0%	100.0%	25.0%	
Roa	dway								
26		I-80 Safety Improvements	Eastern Truckee Canyon (USA Parkway interchange improvements)	25	16.6	12.5	54.1	13.5	
27		I-80 USA Parkway Interchange	New interchange with possible direct connect system	25	16.6	25.0	66.6	16.7	
28		Lockwood Interchange	New interchange including bridge over the Truckee						
	NDOT Statewide Truck Parking Implementati on Plan								
	<u>Other</u>								
29	McCarran SMP	McCarran Interchange	Construct new interchange at McCarran Boulevard	18.8	8.3	25.0	52.1	13.0	
30	City of Sparks	Sparks Interchange	Construct new interchange at Sparks Blvd.	18.8	8.3	25.0	52.1	13.0	
31	City of Sparks	Vista Interchange	Construct new interchange at Vista Blvd.	18.8	8.3	25.0	52.1	13.0	
32	RTC	Clean Water Way	Clean Water bypass (from Veterans Pkwy to I- 80)(Eastbound)	0.0	0.0	25.0	25.0	6.3	
33	I80 Reversible lanes	Vista to USA	Reversible lanes from Vista to USA Pkwy	25	8.3	12.5	45.8	11.5	
34	Eagle Canyon Alignment	Lemmon Valley to Spanish Springs	New alignment from Spanish Springs to Lemmon Valley (8.2 mi)	0	0.0	25.0	25.0	6.3	
	Transit/Ridesha	<u>re</u>							
	RTC Commuter Rail								
	TESLA Park and Ride								
	RTC Vanpool								
	Operational Age	ency Plans							
		NDOT Inter- County and Regional Transit Plan							
		EDWAN Transit Management Association							

TMCs

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105+04954	AM PEAK	I-580	NORTHBOUND	108	0.434419	1.161	1.217	1.521	62.9
105+04953	AM PEAK	I-580	NORTHBOUND	106	0.127841	1.146	1.177	1.404	63.7
105P04954	AM PEAK	I-580	NORTHBOUND	109	0.595534	1.138	1.177	1.352	64.1
105P04953	AM PEAK	I-580	NORTHBOUND	107	0.300153	1.135	1.177	1.377	64.3
105-04954	AM PEAK	I-580	SOUTHBOUND	187	0.346632	1.323	1.420	1.972	53.7
105N04954	AM PEAK	I-580	SOUTHBOUND	188	0.568946	1.209	1.246	1.479	58.7
105-04953	AM PEAK	I-580	SOUTHBOUND	189	0.274273	1.208	1.246	1.543	58.8
105N04953	AM PEAK	I-580	SOUTHBOUND	190	0.455024	1.172	1.203	1.420	60.6
105+04996	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	348	0.162619	1.559	1.763	3.526	43.0
105P04995	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	347	0.498886	1.403	1.489	2.680	47.7
105+04995	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	346	0.119974	1.271	1.333	1.838	53.5
105P04992	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	341	0.881881	1.264	1.167	1.892	55.4
105+04994	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	344	0.227521	1.225	1.321	1.707	57.1
105+04993	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	342	1.145367	1.223	1.186	1.750	57.3
105P04994	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	345	0.595199	1.220	1.302	1.643	56.6
105+04992	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	340	0.931535	1.188	1.169	1.380	58.1
105P04993	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	343	0.655049	1.153	1.167	1.458	60.7
105P04991	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	339	0.302546	1.123	1.153	1.283	60.5
105+04991	AM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	338	1.155197	1.105	1.153	1.259	61.5
105P05182	AM PEAK	I-80 EXIT 23 to EXIT 32	EASTBOUND	367	0.205581	1.106	1.123	1.197	66.0
105+05183	AM PEAK	I-80 EXIT 23 to EXIT 32	EASTBOUND	368	4.039421	1.094	1.106	1.197	66.7
105+05182	AM PEAK	I-80 EXIT 23 to EXIT 32	EASTBOUND	366	4.236706	1.090	1.091	1.180	66.1
105P05183	AM PEAK	I-80 EXIT 23 to EXIT 32	EASTBOUND	369	0.513128	1.071	1.109	1.183	66.3
105N05000	AM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	834	0.673927	1.818	2.444	3.882	36.3
105-05000	AM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	833	0.693593	1.686	1.861	3.941	39.7
105N05001	AM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	832	0.628548	1.501	1.367	3.350	44.6
105-05001	AM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	831	0.264219	1.243	1.172	1.744	54.7
105N05002	AM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	830	0.455011	1.150	1.153	1.417	59.1
105-05002	AM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	829	2.34529	1.123	1.113	1.232	61.4
105N05003	AM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	828	0.217492	1.122	1.113	1.211	61.5
105-05003	AM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	827	1.260768	1.121	1.113	1.211	61.6
105+05002	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	360	0.22621	1.165	1.131	1.327	59.2

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105+05001	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	358	0.664687	1.161	1.169	1.468	59.4
105P05001	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	359	0.671839	1.153	1.113	1.255	59.8
105P05002	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	361	0.474367	1.153	1.131	1.255	59.9
105+05000	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	356	0.282767	1.152	1.153	1.417	59.0
105P05000	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	357	0.537362	1.133	1.133	1.308	60.0
105+05003	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	362	2.435694	1.121	1.111	1.186	62.4
105P05003	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	363	0.374494	1.117	1.111	1.186	62.7
105+05004	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	364	1.001389	1.096	1.111	1.186	63.8
105P05004	AM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	365	0.241508	1.082	1.094	1.167	64.7
105-05004	AM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	825	4.237694	1.135	1.109	1.183	62.5
105N05004	AM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	826	0.199647	1.133	1.129	1.207	61.8
105N05182	AM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	824	0.208917	1.100	1.129	1.207	63.6
105N05183	AM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	822	0.513762	1.090	1.109	1.183	65.1
105-05182	AM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	823	4.056869	1.069	1.109	1.164	66.4
105-04995	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	843	0.281928	1.180	1.241	1.396	56.8
105N04996	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	842	0.490113	1.165	1.222	1.404	56.6
105-04992	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	849	1.134139	1.161	1.218	1.426	57.7
105N04995	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	844	0.513656	1.155	1.193	1.333	58.9
105N04992	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	850	0.594646	1.151	1.236	1.360	59.1
105-04993	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	847	0.299283	1.150	1.193	1.511	59.2
105-04991	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	851	0.754487	1.140	1.193	1.360	59.6
105N04994	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	846	0.613343	1.126	1.172	1.333	60.4
105-04994	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	845	0.089714	1.124	1.172	1.308	60.5
105N04991	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	852	0.668887	1.112	1.150	1.255	62.1
105N04993	AM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	848	0.623111	1.099	1.153	1.236	61.9
105P21025	AM PEAK	NV-445	NORTHBOUND		0.033187	1.869	2.037	5.000	29.4
105P21024	AM PEAK	NV-445	NORTHBOUND		0.153056	1.739	2.000	3.529	34.5
105+21024	AM PEAK	NV-445	NORTHBOUND		1.684972	1.361	1.526	2.000	42.6
105+21025	AM PEAK	NV-445	NORTHBOUND		2.275038	1.291	1.357	1.839	44.2
105N21024	AM PEAK	NV-445	SOUTHBOUND		0.060006	2.105	2.400	5.455	28.5
105N21025	AM PEAK	NV-445	SOUTHBOUND		0.063324	2.058	2.391	5.000	26.7
105N21023	AM PEAK	NV-445	SOUTHBOUND		0.05373	1.946	2.292	5.500	28.3
105-21022	AM PEAK	NV-445	SOUTHBOUND		1.935335	1.833	2.042	4.900	26.7

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105-21023	AM PEAK	NV-445	SOUTHBOUND		1.762152	1.620	1.706	3.222	35.8
105-21024	AM PEAK	NV-445	SOUTHBOUND		2.287608	1.475	1.553	2.458	40.0
105+04962	AM PEAK	US-395	NORTHBOUND	124	1.086026	1.236	1.308	1.545	55.0
105P04962	AM PEAK	US-395	NORTHBOUND	125	0.719411	1.222	1.321	1.591	57.3
105+04964	AM PEAK	US-395	NORTHBOUND	128	0.178228	1.210	1.296	1.591	57.9
105P04963	AM PEAK	US-395	NORTHBOUND	127	0.293492	1.193	1.296	1.522	58.7
105+04963	AM PEAK	US-395	NORTHBOUND	126	1.19238	1.192	1.296	1.522	58.7
105+04965	AM PEAK	US-395	NORTHBOUND	130	0.420842	1.162	1.183	1.365	61.1
105P04964	AM PEAK	US-395	NORTHBOUND	129	0.696004	1.156	1.207	1.400	60.6
105+04967	AM PEAK	US-395	NORTHBOUND	134	1.269772	1.153	1.186	1.346	60.7
105+04966	AM PEAK	US-395	NORTHBOUND	132	1.06621	1.143	1.148	1.296	61.2
105P04965	AM PEAK	US-395	NORTHBOUND	131	0.666812	1.135	1.164	1.291	62.6
105P04966	AM PEAK	US-395	NORTHBOUND	133	0.638291	1.118	1.169	1.302	61.7
105N04962	AM PEAK	US-395	SOUTHBOUND	172	0.781212	2.665	3.500	7.778	26.3
105-04962	AM PEAK	US-395	SOUTHBOUND	171	0.968015	2.176	2.840	6.455	32.6
105N04963	AM PEAK	US-395	SOUTHBOUND	170	0.37035	2.129	2.483	7.200	33.8
105-04963	AM PEAK	US-395	SOUTHBOUND	169	0.416232	1.775	1.651	4.733	40.0
105N04964	AM PEAK	US-395	SOUTHBOUND	168	0.586885	1.530	1.489	3.182	45.8
105N04965	AM PEAK	US-395	SOUTHBOUND	166	0.484825	1.503	1.346	3.182	46.6
105-04964	AM PEAK	US-395	SOUTHBOUND	167	0.573525	1.473	1.468	2.875	46.9
105-04965	AM PEAK	US-395	SOUTHBOUND	165	1.265055	1.351	1.207	2.258	51.8
105N04966	AM PEAK	US-395	SOUTHBOUND	164	0.405637	1.253	1.148	1.429	55.9
105-04966	AM PEAK	US-395	SOUTHBOUND	163	1.455568	1.233	1.167	1.489	56.7
105N04967	AM PEAK	US-395	SOUTHBOUND	162	0.51969	1.137	1.164	1.315	62.5
105+04961	AM PEAK	US-395 NB McCarran to Oddie	NORTHBOUND	122	0.184976	1.238	1.314	1.675	54.1
105+04960	AM PEAK	US-395 NB McCarran to Oddie	NORTHBOUND	120	0.08642	1.238	1.375	1.650	53.3
105P04960	AM PEAK	US-395 NB McCarran to Oddie	NORTHBOUND	121	0.502584	1.229	1.340	1.595	54.5
105P04961	AM PEAK	US-395 NB McCarran to Oddie	NORTHBOUND	123	0.463624	1.183	1.264	1.457	56.7
105+04955	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	110	0.336354	1.200	1.286	1.636	60.0
105P04959	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	119	0.744632	1.192	1.283	1.511	57.1
105+04957	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	114	0.119987	1.184	1.246	1.578	59.9
105+04959	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	118	0.212142	1.179	1.259	1.478	57.7
105+04958	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	116	0.3243	1.178	1.246	1.479	60.3
105P04958	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	117	0.339405	1.161	1.228	1.429	60.3
105P04955	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	111	0.39239	1.152	1.220	1.440	62.5
105+04956	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	112	0.170715	1.149	1.200	1.412	62.7

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105P04956	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	113	0.260914	1.141	1.183	1.420	62.2
105P04957	AM PEAK	US-395 NB Moana to I-80	NORTHBOUND	115	0.275323	1.133	1.183	1.365	62.6
105-04961	AM PEAK	US-395 SB McCarran to Oddie	SOUTHBOUND	173	1.146802	2.620	3.450	7.667	26.3
105N04961	AM PEAK	US-395 SB McCarran to Oddie	SOUTHBOUND	174	0.346539	2.358	2.957	5.667	28.8
105-04960	AM PEAK	US-395 SB McCarran to Oddie	SOUTHBOUND	175	0.225185	2.030	2.429	4.533	33.5
105N04960	AM PEAK	US-395 SB McCarran to Oddie	SOUTHBOUND	176	0.231666	1.950	2.194	4.250	34.9
105-04959	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	177	0.332732	1.777	2.061	3.400	38.3
105N04959	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	178	0.629412	1.563	1.634	2.680	42.9
105-04958	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	179	0.125871	1.474	1.558	2.481	45.5
105N04958	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	180	0.413255	1.389	1.478	2.125	49.0
105-04957	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	181	0.038985	1.384	1.458	2.059	50.6
105N04957	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	182	0.578341	1.275	1.296	1.707	54.9
105N04955	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	186	0.398734	1.238	1.268	1.578	57.3
105-04956	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	183	0.208402	1.230	1.273	1.591	56.9
105-04955	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	185	0.170324	1.213	1.224	1.479	58.5
105N04956	AM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	184	0.246436	1.209	1.224	1.479	58.7
105+04954	MIDDAY	I-580	NORTHBOUND	108	0.434419	1.214	1.281	1.622	60.1
105+04953	MIDDAY	I-580	NORTHBOUND	106	0.127841	1.208	1.217	1.521	60.4
105P04953	MIDDAY	I-580	NORTHBOUND	107	0.300153	1.197	1.217	1.490	61.0
105P04954	MIDDAY	I-580	NORTHBOUND	109	0.595534	1.178	1.217	1.404	62.0
105-04954	MIDDAY	I-580	SOUTHBOUND	187	0.346632	1.247	1.315	1.821	56.9
105-04953	MIDDAY	I-580	SOUTHBOUND	189	0.274273	1.205	1.268	1.614	58.9
105N04954	MIDDAY	I-580	SOUTHBOUND	188	0.568946	1.199	1.224	1.511	59.2
105N04953	MIDDAY	I-580	SOUTHBOUND	190	0.455024	1.157	1.203	1.449	61.4
105+04996	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	348	0.162619	1.330	1.340	2.481	50.4
105P04995	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	347	0.498886	1.260	1.288	1.971	53.2
105+04995	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	346	0.119974	1.164	1.193	1.388	58.4
105+04994	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	344	0.227521	1.144	1.186	1.400	61.2
105P04994	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	345	0.595199	1.142	1.190	1.353	60.4
105+04993	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	342	1.145367	1.132	1.148	1.250	61.8
105P04992	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	341	0.881881	1.119	1.129	1.207	62.5

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105P04993	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	343	0.655049	1.116	1.148	1.273	62.7
105+04992	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	340	0.931535	1.100	1.150	1.255	62.7
105+04991	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	338	1.155197	1.086	1.133	1.214	62.6
105P04991	MIDDAY	I-80 EB Robb Drive to I-590	EASTBOUND	339	0.302546	1.085	1.133	1.214	62.6
105P05182	MIDDAY	I-80 EXIT 23 to EXIT 32	EASTBOUND	367	0.205581	1.081	1.123	1.177	67.5
105+05183	MIDDAY	I-80 EXIT 23 to EXIT 32	EASTBOUND	368	4.039421	1.073	1.106	1.159	68.1
105+05182	MIDDAY	I-80 EXIT 23 to EXIT 32	EASTBOUND	366	4.236706	1.066	1.108	1.161	67.6
105P05183	MIDDAY	I-80 EXIT 23 to EXIT 32	EASTBOUND	369	0.513128	1.061	1.092	1.145	66.9
105N05000	MIDDAY	I-80 EXIT 23 to EXIT 32	WESTBOUND	834	0.673927	1.241	1.294	1.833	53.2
105-05000	MIDDAY	I-80 EXIT 23 to EXIT 32	WESTBOUND	833	0.693593	1.186	1.264	1.595	56.5
105N05001	MIDDAY	I-80 EXIT 23 to EXIT 32	WESTBOUND	832	0.628548	1.125	1.155	1.367	59.5
105-05001	MIDDAY	I-80 EXIT 23 to EXIT 32	WESTBOUND	831	0.264219	1.088	1.133	1.236	62.5
105N05003	MIDDAY	I-80 EXIT 23 to EXIT 32	WESTBOUND	828	0.217492	1.076	1.113	1.190	64.1
105N05002	MIDDAY	I-80 EXIT 23 to EXIT 32	WESTBOUND	830	0.455011	1.074	1.115	1.193	63.3
105-05003	MIDDAY	I-80 EXIT 23 to EXIT 32	WESTBOUND	827	1.260768	1.073	1.113	1.190	64.3
105-05002	MIDDAY	I-80 EXIT 23 to EXIT 32	WESTBOUND	829	2.34529	1.069	1.113	1.169	64.5
105+05001	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	358	0.664687	1.121	1.169	1.380	61.5
105+05000	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	356	0.282767	1.108	1.153	1.283	61.4
105P05001	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	359	0.671839	1.107	1.113	1.211	62.3
105P05000	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	357	0.537362	1.094	1.133	1.236	62.1
105+05002	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	360	0.22621	1.089	1.113	1.255	63.4
105P05002	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	361	0.474367	1.082	1.113	1.190	63.8
105+05004	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	364	1.001389	1.078	1.111	1.167	65.0
105P05003	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	363	0.374494	1.076	1.111	1.167	65.1
105+05003	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	362	2.435694	1.072	1.111	1.167	65.3
105P05004	MIDDAY	I-80 McCarran to EXIT 23	EASTBOUND	365	0.241508	1.063	1.094	1.148	65.9
105N05004	MIDDAY	I-80 McCarran to EXIT 23	WESTBOUND	826	0.199647	1.087	1.129	1.207	64.4
105-05004	MIDDAY	I-80 McCarran to EXIT 23	WESTBOUND	825	4.237694	1.082	1.109	1.183	65.6
105N05182	MIDDAY	I-80 McCarran to EXIT 23	WESTBOUND	824	0.208917	1.077	1.111	1.186	65.0
105N05183	MIDDAY	I-80 McCarran to EXIT 23	WESTBOUND	822	0.513762	1.063	1.109	1.164	66.8
105-05182	MIDDAY	I-80 McCarran to EXIT 23	WESTBOUND	823	4.056869	1.061	1.092	1.164	66.9

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105-04992	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	849	1.134139	1.151	1.218	1.396	58.2
105N04992	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	850	0.594646	1.146	1.236	1.360	59.3
105-04993	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	847	0.299283	1.142	1.172	1.478	59.5
105N04996	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	842	0.490113	1.141	1.179	1.320	57.9
105-04995	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	843	0.281928	1.135	1.196	1.314	59.0
105-04991	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	851	0.754487	1.128	1.193	1.333	60.3
105N04995	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	844	0.513656	1.121	1.172	1.283	60.6
105N04991	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	852	0.668887	1.113	1.150	1.255	62.0
105N04994	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	846	0.613343	1.110	1.153	1.308	61.2
105-04994	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	845	0.089714	1.099	1.153	1.236	61.9
105N04993	MIDDAY	I-80 WB Robb Drive to I-590	WESTBOUND	848	0.623111	1.086	1.133	1.214	62.6
105P21025	MIDDAY	NV-445	NORTHBOUND		0.033187	1.916	2.115	5.000	28.7
105P21024	MIDDAY	NV-445	NORTHBOUND		0.153056	1.584	1.667	3.750	37.9
105+21024	MIDDAY	NV-445	NORTHBOUND		1.684972	1.333	1.415	2.000	43.5
105+21025	MIDDAY	NV-445	NORTHBOUND		2.275038	1.267	1.357	1.727	45.0
105N21024	MIDDAY	NV-445	SOUTHBOUND		0.060006	2.019	2.143	5.455	29.7
105N21025	MIDDAY	NV-445	SOUTHBOUND		0.063324	2.005	2.292	5.500	27.4
105N21023	MIDDAY	NV-445	SOUTHBOUND		0.05373	1.730	1.833	4.231	31.8
105-21022	MIDDAY	NV-445	SOUTHBOUND		1.935335	1.683	1.750	4.083	29.1
105-21023	MIDDAY	NV-445	SOUTHBOUND		1.762152	1.417	1.487	2.320	40.9
105-21024	MIDDAY	NV-445	SOUTHBOUND		2.287608	1.372	1.439	2.034	43.0
105+04964	MIDDAY	US-395	NORTHBOUND	128	0.178228	1.192	1.250	1.489	58.7
105P04962	MIDDAY	US-395	NORTHBOUND	125	0.719411	1.189	1.273	1.522	58.9
105+04962	MIDDAY	US-395	NORTHBOUND	124	1.086026	1,182	1.259	1.478	57.5
105+04963	MIDDAY	US-395	NORTHBOUND	126	1.19238	1.167	1.250	1.458	60.0
105P04963	MIDDAY	US-395	NORTHBOUND	127	0.293492	1.164	1.250	1.458	60.1
105+04965	MIDDAY	US-395	NORTHBOUND	130	0.420842	1.158	1.183	1.340	61.3
105P04964	MIDDAY	US-395	NORTHBOUND	129	0.696004	1.154	1.186	1.321	60.7
105P04965	MIDDAY	US-395	NORTHBOUND	131	0.666812	1 138	1 145	1 268	62.4
105+04967	MIDDAY	US-395	NORTHBOUND	134	1 269772	1 138	1 167	1 296	61.5
105+04966	MIDDAY	US-395	NORTHBOUND	132	1.06621	1 137	1 148	1 250	61.6
105P04966	MIDDAY	US-395	NORTHBOUND	133	0.638291	1 114	1 150	1 255	62.0
105-04963	MIDDAY	115-395	SOUTHBOUND	169	0.030231	1 239	1.130	1.233	57.3
105N0/96/	MIDDAV	115-295	SOUTHBOUND	168	0.586885	1 164	1 1 2 6	1 271	60.1
105-0/066	MIDDAY	115-205	SOUTHROUND	162	1 455562	1 151	1 186	1 271	60.2
105N0/062	MIDDAY	C_20E	SOUTHBOUND	103	0.781212	1 1/7	1 1/10	1 222	61.0
105 04902	MIDDAY	110 205		171	0.701212	1 1/2	1.140	1.220	62.1
105-04902		03-393		1/1	1 265055	1 120	1.140	1.240	62.0
105-04905		03-333	SOUTHBOUND	170	0.20005	1.130	1 1 5 1	1.220	62.0
105 04064		03-393		167	0.37033	1 1 2 7	1.101	1.205	61.2
103-04904	WIDDAT	03-393	JOULIDOUND	107	0.373323	1.12/	1.130	1.200	01.2

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105N04967	MIDDAY	US-395	SOUTHBOUND	162	0.51969	1.125	1.145	1.246	63.1
105N04965	MIDDAY	US-395	SOUTHBOUND	166	0.484825	1.124	1.148	1.228	62.3
105N04966	MIDDAY	US-395	SOUTHBOUND	164	0.405637	1.114	1.148	1.228	62.8
		US-395 NB							
105+04961	MIDDAY	McCarran to	NORTHBOUND	122	0.184976	1.222	1.288	1.675	54.8
		Oddie							
105+04960	ΜΙΓΓΑΥ	US-395 NB		120	0.08642	1 209	1 204	1 500	54.6
103+04960	WIDDAT	Oddie	NORTHBOOND	120	0.06042	1.200	1.294	1.500	54.0
		US-395 NB							
105P04960	MIDDAY	McCarran to	NORTHBOUND	121	0.502584	1.201	1.264	1.489	55.8
		Oddie							
105P04961	MIDDAY	McCarran to	NORTHBOUND	123	0.463624	1,157	1.241	1,396	57.9
1001 0 1001		Oddie			01100021	11107		21000	0,10
105+04955	MIDDAY	US-395 NB	NORTHBOUND	110	0 336354	1 209	1 286	1 600	59 5
103 0 1333		Moana to I-80	Heltinbeenb	110	0.000001	1.205	1.200	1.000	55.5
105+04957	MIDDAY	Moana to I-80	NORTHBOUND	114	0.119987	1.197	1.246	1.543	59.3
105504050		US-395 NB		110	0 744600	4.400	4.950	4.447	
105P04959	MIDDAY	Moana to I-80	NORTHBOUND	119	0.744632	1.188	1.259	1.447	57.2
105+04959	MIDDAY	US-395 NB	NORTHBOUND	118	0.212142	1.182	1.236	1.417	57.5
		IVIOana to I-80							
105+04958	MIDDAY	Moana to I-80	NORTHBOUND	116	0.3243	1.181	1.246	1.420	60.1
105+04056	ΜΙΟΟΑΥ	US-395 NB		112	0 170715	1 165	1 220	1 295	61.9
103104930	WIIDDAT	Moana to I-80	NORTHBOOND	112	0.170715	1.105	1.220	1.565	01.5
105P04955	MIDDAY	US-395 NB Moana to I-80	NORTHBOUND	111	0.39239	1.165	1.220	1.412	61.8
		US-395 NB					1.000		
105P04958	MIDDAY	Moana to I-80	NORTHBOUND	117	0.339405	1.164	1.228	1.346	60.1
105P04956	MIDDAY	US-395 NB	NORTHBOUND	113	0.260914	1.158	1.203	1.420	61.3
		Moana to I-80							
105P04957	MIDDAY	Moana to I-80	NORTHBOUND	115	0.275323	1.142	1.183	1.340	62.2
		US-395 SB							
105N04960	MIDDAY	McCarran to	SOUTHBOUND	176	0.231666	1.239	1.308	1.511	54.9
105-04960	MIDDAY	McCarran to	SOUTHBOUND	175	0.225185	1.225	1.283	1.511	55.5
		Oddie							
105 04064		US-395 SB	COLITUDOUND	170	4.446000	4.450	1.1.00	4 202	50.0
105-04961	MIDDAY	Oddie	SOUTHBOUND	173	1.146802	1.158	1.169	1.302	59.6
		US-395 SB							
105N04961	MIDDAY	McCarran to	SOUTHBOUND	174	0.346539	1.157	1.214	1.333	58.8
		Oddie							
105-04959	MIDDAY	Moana to I-80	SOUTHBOUND	177	0.332732	1.297	1.417	1.659	52.4
105 04059		US-395 SB		170	0 1 25 0 7 1	1 202	1 2 4 0	1 (2)	F2 4
105-04958	MIDDAY	Moana to I-80	SOUTHBOOND	179	0.1258/1	1.263	1.340	1.634	53.1
105-04957	MIDDAY	US-395 SB	SOUTHBOUND	181	0.038985	1.238	1.321	1.628	56.5
		US-395 SB							
105N04959	MIDDAY	Moana to I-80	SOUTHBOUND	178	0.629412	1.224	1.314	1.558	54.7
105N04958	MIDDAY	US-395 SB	SOUTHBOUND	180	0.413255	1.211	1.283	1.545	56.1
		Moana to I-80		200				10.0	
105N04957	MIDDAY	Moana to I-80	SOUTHBOUND	182	0.578341	1.166	1.207	1.373	60.1
	MIDDAY	US-395 SB		106	0 200724	1 160	1 100	1 202	£1.1
1031004935	IVIIDDAT	Moana to I-80		190	0.398/34	1.102	1.103	1.392	01.1

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105-04956	MIDDAY	US-395 SB Moana to I-80	SOUTHBOUND	183	0.208402	1.159	1.207	1.400	60.4
105-04955	MIDDAY	US-395 SB Moana to I-80	SOUTHBOUND	185	0.170324	1.140	1.164	1.315	62.3
105N04956	MIDDAY	US-395 SB Moana to I-80	SOUTHBOUND	184	0.246436	1.137	1.183	1.291	62.4
105P04953	PM PEAK	I-580	NORTHBOUND	107	0.300153	1.940	2.704	4.563	37.6
105+04953	PM PEAK	I-580	NORTHBOUND	106	0.127841	1.924	2.607	4.867	37.9
105+04954	PM PEAK	I-580	NORTHBOUND	108	0.434419	1.609	1.921	2.920	45.4
105P04954	PM PEAK	I-580	NORTHBOUND	109	0.595534	1.458	1.521	2.607	50.1
105-04954	PM PEAK	I-580	SOUTHBOUND	187	0.346632	1.342	1.420	2.367	52.9
105N04954	PM PEAK	I-580	SOUTHBOUND	188	0.568946	1.270	1.340	2.088	55.9
105-04953	PM PEAK	I-580	SOUTHBOUND	189	0.274273	1.256	1.365	1.868	56.5
105N04953	PM PEAK	I-580	SOUTHBOUND	190	0.455024	1.187	1.246	1.543	59.8
105+04996	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	348	0.162619	1.353	1.396	2.233	49.5
105P04995	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	347	0.498886	1.318	1.340	2.094	50.8
105+04995	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	346	0.119974	1.220	1.236	1.478	55.7
105P04994	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	345	0.595199	1.185	1.211	1.438	58.2
105+04994	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	344	0.227521	1.180	1.228	1.489	59.3
105+04993	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	342	1.145367	1.156	1.167	1.321	60.6
105P04993	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	343	0.655049	1.150	1.167	1.373	60.9
105P04992	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	341	0.881881	1.145	1.148	1.250	61.1
105+04992	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	340	0.931535	1.130	1.150	1.278	61.1
105P04991	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	339	0.302546	1.120	1.172	1.283	60.7
105+04991	PM PEAK	I-80 EB Robb Drive to I-590	EASTBOUND	338	1.155197	1.112	1.172	1.283	61.2
105+05182	PM PEAK	I-80 EXIT 23 to EXIT 32	EASTBOUND	366	4.236706	1.090	1.125	1.180	66.0
105P05182	PM PEAK	I-80 EXIT 23 to EXIT 32	EASTBOUND	367	0.205581	1.090	1.141	1.217	67.0
105+05183	PM PEAK	I-80 EXIT 23 to EXIT 32	EASTBOUND	368	4.039421	1.080	1.123	1.197	67.6
105P05183	PM PEAK	I-80 EXIT 23 to EXIT 32	EASTBOUND	369	0.513128	1.069	1.109	1.183	66.4
105N05000	PM PEAK	EXIT 32	WESTBOUND	834	0.673927	1.616	2.276	3.143	40.8
105-05000	PM PEAK	EXIT 32	WESTBOUND	833	0.693593	1.562	1.861	3.526	42.9
105N05001	PM PEAK	EXIT 32	WESTBOUND	832	0.628548	1.361	1.340	2.913	49.2
105-05001	PM PEAK	EXIT 23 to EXIT 32	WESTBOUND	831	0.264219	1.230	1.193	1.789	55.3
105N05002	PM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	830	0.455011	1.177	1.153	1.478	57.8
105-05003	PM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	827	1.260768	1.164	1.113	1.232	59.3
105-05002	PM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	829	2.34529	1.142	1.113	1.278	60.4

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105N05003	PM PEAK	I-80 EXIT 23 to EXIT 32	WESTBOUND	828	0.217492	1.133	1.113	1.232	60.9
105+05002	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	360	0.22621	1.246	1.150	1.438	55.4
105P05002	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	361	0.474367	1.242	1.131	1.302	55.6
105P05001	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	359	0.671839	1.240	1.150	1.408	55.6
105+05001	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	358	0.664687	1.225	1.232	1.605	56.3
105+05000	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	356	0.282767	1.217	1.308	1.545	55.9
105P05000	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	357	0.537362	1.194	1.236	1.447	57.0
105+05003	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	362	2.435694	1.191	1.129	1.207	58.8
105+05004	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	364	1.001389	1.163	1.129	1.228	60.2
105P05003	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	363	0.374494	1.148	1.129	1.207	61.0
105P05004	PM PEAK	I-80 McCarran to EXIT 23	EASTBOUND	365	0.241508	1.104	1.129	1.186	63.4
105N05182	PM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	824	0.208917	1.247	1.111	1.228	56.1
105-05182	PM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	823	4.056869	1.233	1.092	1.203	57.6
105N05183	PM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	822	0.513762	1.216	1.109	1.203	58.4
105-05004	PM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	825	4.237694	1.202	1.109	1.268	59.1
105N05004	PM PEAK	I-80 McCarran to EXIT 23	WESTBOUND	826	0.199647	1.198	1.129	1.273	58.4
105N04996	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	842	0.490113	1.202	1.245	1.467	54.9
105-04995	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	843	0.281928	1.178	1.241	1.426	56.9
105N04995	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	844	0.513656	1.158	1.214	1.417	58.7
105-04993	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	847	0.299283	1.157	1.193	1.545	58.8
105-04992	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	849	1.134139	1.150	1.218	1.396	58.3
105N04992	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	850	0.594646	1.145	1.236	1.360	59.4
105N04991	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	852	0.668887	1.137	1.150	1.255	60.7
105-04994	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	845	0.089714	1.125	1.172	1.308	60.4
105N04994	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	846	0.613343	1.125	1.172	1.360	60.5
105-04991	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	851	0.754487	1.124	1.193	1.333	60.5
105N04993	PM PEAK	I-80 WB Robb Drive to I-590	WESTBOUND	848	0.623111	1.091	1.153	1.236	62.3
105P21024	PM PEAK	NV-445	NORTHBOUND		0.153056	1.949	2.222	5.455	30.8
105P21025	PM PEAK	NV-445	NORTHBOUND		0.033187	1.945	2.200	4.583	28.3
105+21024	PM PEAK	NV-445	NORTHBOUND		1.684972	1.668	1.758	3.053	34.8
105+21025	PM PEAK	NV-445	NORTHBOUND		2.275038	1.332	1.425	1.900	42.8
105N21024	PM PEAK	NV-445	SOUTHBOUND		0.060006	2.497	2.857	8.571	24.0

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105N21025	PM PEAK	NV-445	SOUTHBOUND)	0.063324	2.438	2.895	6.875	22.6
105-21022	PM PEAK	NV-445	SOUTHBOUND)	1.935335	1.650	1.750	3.500	29.7
105N21023	PM PEAK	NV-445	SOUTHBOUND)	0.05373	1.602	1.571	3.929	34.3
105-21024	PM PEAK	NV-445	SOUTHBOUND)	2.287608	1.513	1.595	2.565	39.0
105-21023	PM PEAK	NV-445	SOUTHBOUND)	1.762152	1.416	1.487	2.320	40.9
105+04964	PM PEAK	US-395	NORTHBOUN	0 128	0.178228	1.289	1.321	1.892	54.3
105P04964	PM PEAK	US-395	NORTHBOUN	0 129	0.696004	1.282	1.296	2.000	54.6
105P04963	PM PEAK	US-395	NORTHBOUN) 127	0.293492	1.237	1.273	1.667	56.6
105+04965	PM PEAK	US-395	NORTHBOUNI	0 130	0.420842	1.218	1.268	1.732	58.3
105+04963	PM PEAK	US-395	NORTHBOUN	0 126	1.19238	1.196	1.228	1.522	58.5
105+04962	PM PEAK	US-395	NORTHBOUNI	0 124	1.086026	1.192	1.259	1.511	57.0
105P04962	PM PEAK	US-395	NORTHBOUNI	0 125	0.719411	1.184	1.228	1.522	59.1
105P04965	PM PEAK	US-395	NORTHBOUN	0 131	0.666812	1.132	1.183	1.365	62.7
105+04967	PM PEAK	US-395	NORTHBOUNI	0 134	1.269772	1.111	1.167	1.273	63.0
105+04966	PM PEAK	US-395	NORTHBOUN	0 132	1.06621	1.109	1.148	1.273	63.1
105P04966	PM PEAK	US-395	NORTHBOUN	0 133	0.638291	1.087	1.150	1.255	63.5
105-04963	PM PEAK	US-395	SOUTHBOUND	0 169	0.416232	1.228	1.224	1.511	57.8
105N04963	PM PEAK	US-395	SOUTHBOUND	0 170	0.37035	1.188	1.200	1.358	60.6
105-04962	PM PEAK	US-395	SOUTHBOUND	0 171	0.968015	1.180	1.164	1.291	60.1
105N04962	PM PEAK	US-395	SOUTHBOUND	0 172	0.781212	1.170	1.167	1.296	59.8
105N04964	PM PEAK	US-395	SOUTHBOUND	168	0.586885	1.166	1.207	1.346	60.0
105-04964	PM PEAK	US-395	SOUTHBOUND) 167	0.573525	1.125	1.169	1.302	61.3
105-04966	PM PEAK	US-395	SOUTHBOUND	0 163	1.455568	1.125	1.186	1.321	62.2
105-04965	PM PEAK	US-395	SOUTHBOUND	0 165	1.265055	1.113	1.167	1.250	62.9
105N04965	PM PEAK	US-395	SOUTHBOUND	0 166	0.484825	1.110	1.167	1.250	63.0
105N04966	PM PEAK	US-395	SOUTHBOUND	0 164	0.405637	1.109	1.148	1.250	63.1
105N04967	PM PEAK	US-395	SOUTHBOUND	162	0.51969	1.107	1.164	1.246	64.1
105+04960	PM PEAK	US-395 NB McCarran to Oddie	NORTHBOUN	0 120	0.08642	1.703	2.129	3.143	38.7
105P04960	PM PEAK	US-395 NB McCarran to Oddie	NORTHBOUN	0 121	0.502584	1.559	1.914	2.680	43.0
105+04961	PM PEAK	US-395 NB McCarran to Oddie	NORTHBOUN	0 122	0.184976	1.397	1.634	2.161	48.0
105P04961	PM PEAK	US-395 NB McCarran to Oddie	NORTHBOUN	0 123	0.463624	1.259	1.396	1.718	53.2
105+04959	PM PEAK	US-395 NB Moana to I-80	NORTHBOUN	0 118	0.212142	1.978	2.615	5.231	34.4
105P04959	PM PEAK	US-395 NB Moana to I-80	NORTHBOUN	0 119	0.744632	1.903	2.519	4.000	35.7
105P04958	PM PEAK	US-395 NB Moana to I-80	NORTHBOUN	0 117	0.339405	1.847	2.414	4.375	37.9
105+04958	PM PEAK	US-395 NB Moana to I-80	NORTHBOUN	0 116	0.3243	1.690	2.088	3.944	42.0
105P04957	PM PEAK	US-395 NB Moana to I-80	NORTHBOUN	0 115	0.275323	1.577	1.651	3.550	45.0
105+04957	PM PEAK	US-395 NB Moana to I-80	NORTHBOUN	D 114	0.119987	1.520	1.614	3.087	46.7

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105P04956	PM PEAK	US-395 NB Moana to I-80	NORTHBOUND	113	0.260914	1.455	1.479	2.840	48.8
105+04956	PM PEAK	US-395 NB Moana to I-80	NORTHBOUND	112	0.170715	1.430	1.440	2.769	50.4
105+04955	PM PEAK	US-395 NB Moana to I-80	NORTHBOUND	110	0.336354	1.418	1.500	2.400	50.8
105P04955	PM PEAK	US-395 NB Moana to I-80	NORTHBOUND	111	0.39239	1.406	1.412	2.483	51.2
105N04960	PM PEAK	US-395 SB McCarran to Oddie	SOUTHBOUND	176	0.231666	1.361	1.360	1.700	49.9
105-04960	PM PEAK	US-395 SB McCarran to Oddie	SOUTHBOUND	175	0.225185	1.313	1.308	1.659	51.8
105N04961	PM PEAK	US-395 SB McCarran to Oddie	SOUTHBOUND	174	0.346539	1.261	1.236	1.417	53.9
105-04961	PM PEAK	US-395 SB McCarran to Oddie	SOUTHBOUND	173	1.146802	1.234	1.190	1.380	55.9
105-04959	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	177	0.332732	1.415	1.478	1.889	48.1
105N04959	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	178	0.629412	1.343	1.314	1.718	49.9
105-04958	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	179	0.125871	1.312	1.340	1.861	51.1
105-04957	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	181	0.038985	1.292	1.321	1.842	54.2
105N04955	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	186	0.398734	1.287	1.246	2.152	55.2
105N04958	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	180	0.413255	1.285	1.283	1.789	52.9
105N04957	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	182	0.578341	1.280	1.250	1.707	54.7
105-04956	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	183	0.208402	1.243	1.250	1.795	56.3
105-04955	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	185	0.170324	1.216	1.224	1.732	58.4
105N04956	PM PEAK	US-395 SB Moana to I-80	SOUTHBOUND	184	0.246436	1.199	1.203	1.614	59.2
105P04954	WEEKEND	I-580	NORTHBOUND	109	0.595534	1.175	1.177	1.377	62.1
105+04953	WEEKEND	I-580	NORTHBOUND	106	0.127841	1.173	1.197	1.460	62.3
105+04954	WEEKEND	I-580	NORTHBOUND	108	0.434419	1.171	1.217	1.460	62.3
105P04953	WEEKEND	I-580	NORTHBOUND	107	0.300153	1.159	1.177	1.377	63.0
105-04954	WEEKEND	I-580	SOUTHBOUND	187	0.346632	1.208	1.224	1.732	58.8
105N04954	WEEKEND	I-580	SOUTHBOUND	188	0.568946	1.185	1.203	1.511	59.9
105-04953	WEEKEND	I-580	SOUTHBOUND	189	0.274273	1.163	1.224	1.543	61.0
105N04953	WEEKEND	I-580	SOUTHBOUND	190	0.455024	1.135	1.183	1.392	62.5
105+04996	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	348	0.162619	1.241	1.218	1.861	54.0
105P04995	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	347	0.498886	1.207	1.218	1.718	55.5
105+04995	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	346	0.119974	1.110	1.153	1.308	61.3
105+04994	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	344	0.227521	1.108	1.148	1.296	63.2
105P04994	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	345	0.595199	1.106	1.150	1.278	62.4

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105P04993	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	343	0.655049	1.102	1.148	1.273	63.5
105+04991	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	338	1.155197	1.098	1.153	1.236	61.9
105+04993	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	342	1.145367	1.095	1.129	1.228	63.9
105+04992	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	340	0.931535	1.095	1.131	1.232	63.0
105P04991	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	339	0.302546	1.093	1.153	1.236	62.2
105P04992	WEEKEND	I-80 EB Robb Drive to I-590	EASTBOUND	341	0.881881	1.093	1.129	1.207	64.0
105P05182	WEEKEND	I-80 EXIT 23 to EXIT 32	EASTBOUND	367	0.205581	1.110	1.159	1.217	65.7
105+05183	WEEKEND	I-80 EXIT 23 to EXIT 32	EASTBOUND	368	4.039421	1.100	1.141	1.217	66.3
105+05182	WEEKEND	I-80 EXIT 23 to EXIT 32	EASTBOUND	366	4.236706	1.093	1.143	1.200	65.9
105P05183	WEEKEND	I-80 EXIT 23 to EXIT 32	EASTBOUND	369	0.513128	1.077	1.127	1.183	65.9
105N05001	WEEKEND	I-80 EXIT 23 to EXIT 32	WESTBOUND	832	0.628548	1.128	1.155	1.426	59.4
105-05000	WEEKEND	I-80 EXIT 23 to EXIT 32	WESTBOUND	833	0.693593	1.126	1.175	1.396	59.5
105N05000	WEEKEND	I-80 EXIT 23 to EXIT 32	WESTBOUND	834	0.673927	1.117	1.158	1.347	59.1
105-05003	WEEKEND	I-80 EXIT 23 to EXIT 32	WESTBOUND	827	1.260768	1.089	1.113	1.190	63.3
105-05002	WEEKEND	I-80 EXIT 23 to EXIT 32	WESTBOUND	829	2.34529	1.087	1.113	1.190	63.5
105-05001	WEEKEND	I-80 EXIT 23 to EXIT 32	WESTBOUND	831	0.264219	1.085	1.115	1.214	62.7
105N05003	WEEKEND	I-80 EXIT 23 to EXIT 32	WESTBOUND	828	0.217492	1.084	1.131	1.190	63.7
105N05002	WEEKEND	I-80 EXIT 23 to EXIT 32	WESTBOUND	830	0.455011	1.076	1.115	1.193	63.2
105P05001	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	359	0.671839	1.165	1.131	1.302	59.2
105+05001	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	358	0.664687	1.117	1.150	1.327	61.8
105+05000	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	356	0.282767	1.108	1.153	1.308	61.3
105+05002	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	360	0.22621	1.104	1.150	1.302	62.5
105P05000	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	357	0.537362	1.099	1.133	1.259	61.9
105P05002	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	361	0.474367	1.094	1.131	1.232	63.1
105P05003	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	363	0.374494	1.093	1.129	1.207	64.1
105+05004	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	364	1.001389	1.093	1.129	1.207	64.1
105+05003	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	362	2.435694	1.089	1.129	1.207	64.3
105P05004	WEEKEND	I-80 McCarran to EXIT 23	EASTBOUND	365	0.241508	1.084	1.129	1.186	64.6
105N05004	WEEKEND	I-80 McCarran to EXIT 23	WESTBOUND	826	0.199647	1.098	1.129	1.207	63.8
105-05004	WEEKEND	I-80 McCarran to EXIT 23	WESTBOUND	825	4.237694	1.095	1.127	1.183	64.9
105-05182	WEEKEND	I-80 McCarran to EXIT 23	WESTBOUND	823	4.056869	1.091	1.127	1.183	65.1

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105N05182	WEEKEND	I-80 McCarran to EXIT 23	WESTBOUND	824	0.208917	1.086	1.129	1.186	64.4
105N05183	WEEKEND	I-80 McCarran to EXIT 23	WESTBOUND	822	0.513762	1.086	1.127	1.183	65.4
105N04992	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	850	0.594646	1.156	1.259	1.388	58.8
105-04992	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	849	1.134139	1.142	1.218	1.367	58.7
105N04996	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	842	0.490113	1.111	1.158	1.320	59.4
105N04995	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	844	0.513656	1.110	1.153	1.283	61.3
105-04991	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	851	0.754487	1.108	1.172	1.283	61.4
105-04993	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	847	0.299283	1.107	1.153	1.283	61.4
105N04991	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	852	0.668887	1.107	1.150	1.232	62.3
105-04995	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	843	0.281928	1.102	1.155	1.264	60.8
105N04994	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	846	0.613343	1.097	1.133	1.236	62.0
105N04993	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	848	0.623111	1.092	1.153	1.236	62.3
105-04994	WEEKEND	I-80 WB Robb Drive to I-590	WESTBOUND	845	0.089714	1.092	1.133	1.236	62.3
105P21025	WEEKEND	NV-445	NORTHBOUND		0.033187	2.393	2.619	9.167	23.0
105P21024	WEEKEND	NV-445	NORTHBOUND		0.153056	1.546	1.714	3.529	38.8
105+21024	WEEKEND	NV-445	NORTHBOUND		1.684972	1.392	1.450	2.320	41.7
105+21025	WEEKEND	NV-445	NORTHBOUND		2.275038	1.248	1.295	1.781	45.7
105N21025	WEEKEND	NV-445	SOUTHBOUND		0.063324	2.290	2.500	7.857	24.0
105N21024	WEEKEND	NV-445	SOUTHBOUND		0.060006	2.216	2.400	7.500	27.1
105N21023	WEEKEND	NV-445	SOUTHBOUND		0.05373	1.834	1.833	5.000	30.0
105-21022	WEEKEND	NV-445	SOUTHBOUND		1.935335	1.497	1.581	2.579	32.7
105-21023	WEEKEND	NV-445	SOUTHBOUND		1.762152	1.482	1.487	2.762	39.1
105-21024	WEEKEND	NV-445	SOUTHBOUND		2.287608	1.352	1.372	2.107	43.6
105P04962	WEEKEND	US-395	NORTHBOUND	125	0.719411	1.211	1.346	1.628	57.8
105+04964	WEEKEND	US-395	NORTHBOUND	128	0.178228	1.203	1.273	1.522	58.2
105+04962	WEEKEND	US-395	NORTHBOUND	124	1.086026	1.203	1.333	1.619	56.5
105+04963	WEEKEND	US-395	NORTHBOUND	126	1.19238	1.185	1.296	1.522	59.0
105P04963	WEEKEND	US-395	NORTHBOUND	127	0.293492	1.176	1.296	1.489	59.5
105P04964	WEEKEND	US-395	NORTHBOUND	129	0.696004	1.146	1.207	1.346	61.1
105+04965	WEEKEND	US-395	NORTHBOUND	130	0.420842	1.144	1.183	1.291	62.1
105+04967	WEEKEND	US-395	NORTHBOUND	134	1.269772	1.137	1.167	1.321	61.5
105+04966	WEEKEND	US-395	NORTHBOUND	132	1.06621	1.121	1.148	1.250	62.5
105P04966	WEEKEND	US-395	NORTHBOUND	133	0.638291	1.118	1.169	1.255	61.7
105P04965	WEEKEND	US-395	NORTHBOUND	131	0.666812	1.112	1.145	1.246	63.8
105-04963	WEEKEND	US-395	SOUTHBOUND	169	0.416232	1.238	1.183	1.420	57.3
105N04964	WEEKEND	US-395	SOUTHBOUND	168	0.586885	1.182	1.186	1.321	59.2
105N04963	WEEKEND	US-395	SOUTHBOUND	170	0.37035	1.167	1.161	1.286	61.7
105-04962	WEEKEND	US-395	SOUTHBOUND	171	0.968015	1.122	1.145	1.246	63.3
105N04967	WEEKEND	US-395	SOUTHBOUND	162	0.51969	1.117	1.145	1.246	63.5

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105-04964	WEEKEND	US-395	SOUTHBOUND	167	0.573525	1.115	1.150	1.255	61.9
105-04966	WEEKEND	US-395	SOUTHBOUND	163	1.455568	1.114	1.167	1.296	62.9
105N04962	WEEKEND	US-395	SOUTHBOUND	172	0.781212	1.106	1.129	1.228	63.3
105-04965	WEEKEND	US-395	SOUTHBOUND	165	1.265055	1.105	1.148	1.228	63.3
105N04966	WEEKEND	US-395	SOUTHBOUND	164	0.405637	1.103	1.129	1.228	63.5
105N04965	WEEKEND	US-395	SOUTHBOUND	166	0.484825	1.102	1.148	1.228	63.5
105+04960	WEEKEND	US-395 NB McCarran to Oddie	NORTHBOUND	120	0.08642	1.191	1.320	1.535	55.4
105+04961	WEEKEND	US-395 NB McCarran to Oddie	NORTHBOUND	122	0.184976	1.182	1.264	1.489	56.7
105P04960	WEEKEND	US-395 NB McCarran to Oddie	NORTHBOUND	121	0.502584	1.177	1.264	1.457	56.9
105P04961	WEEKEND	US-395 NB McCarran to Oddie	NORTHBOUND	123	0.463624	1.176	1.264	1.457	57.0
105+04955	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	110	0.336354	1.177	1.220	1.532	61.2
105P04959	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	119	0.744632	1.169	1.236	1.447	58.2
105+04957	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	114	0.119987	1.162	1.224	1.511	61.1
105P04955	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	111	0.39239	1.153	1.180	1.385	62.4
105+04959	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	118	0.212142	1.145	1.214	1.417	59.4
105+04958	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	116	0.3243	1.145	1.203	1.420	62.0
105+04956	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	112	0.170715	1.140	1.180	1.309	63.1
105P04956	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	113	0.260914	1.128	1.164	1.315	63.0
105P04958	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	117	0.339405	1.125	1.207	1.346	62.2
105P04957	WEEKEND	US-395 NB Moana to I-80	NORTHBOUND	115	0.275323	1.121	1.183	1.340	63.4
105N04960	WEEKEND	OS-395 SB McCarran to Oddie	SOUTHBOUND	176	0.231666	1.191	1.283	1.447	57.1
105-04960	WEEKEND	US-395 SB McCarran to Oddie	SOUTHBOUND	175	0.225185	1.157	1.236	1.388	58.8
105N04961	WEEKEND	US-395 SB McCarran to Oddie	SOUTHBOUND	174	0.346539	1.129	1.193	1.308	60.2
105-04961	WEEKEND	US-395 SB McCarran to Oddie	SOUTHBOUND	173	1.146802	1.126	1.150	1.278	61.3
105-04959	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	177	0.332732	1.238	1.388	1.659	54.9
105N04959	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	178	0.629412	1.212	1.314	1.595	55.3
105-04958	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	179	0.125871	1.202	1.264	1.558	55.7
105-04957	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	181	0.038985	1.178	1.250	1.556	59.4

тмс	PERIOD	SEGMENT	DIRECTION	ROAD ORDER	TMC LENGTH	AVG TTI	TTI P80	TTI P95	AVG SPEED
105N04958	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	180	0.413255	1.159	1.214	1.511	58.7
105N04955	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	186	0.398734	1.145	1.164	1.340	62.0
105-04956	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	183	0.208402	1.135	1.186	1.400	61.7
105N04957	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	182	0.578341	1.131	1.186	1.373	61.9
105-04955	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	185	0.170324	1.114	1.145	1.291	63.8
105N04956	WEEKEND	US-395 SB Moana to I-80	SOUTHBOUND	184	0.246436	1.113	1.145	1.291	63.8

Vehicle Classification Reports

*The classification count covers an area that has four volume stations within the "From and To"

- Formula: Trucks/AADT = Truck Percentage
- The total number of trucks (Light Trucks + Heavy Trucks) is 6,939

Data Collection Methods:

- Permanent Continuous Weigh In Motion (WIM) (up to 365 days per year 24 hours per day)
- Permanent Continuous Automatic Vehicle Classification (AVC) (up to 365 days per year 24 hours per day)
- Short Term AVC (up to seven continuous days 24 hours per day).
- Manual Classification (24 to 48 continuous hours, [by manual observation])

*Vehicle Classification distributions are based on number of axels as defined by the Federal Highway Administration (FHWA).

Route	Segme	Light Trucks			Heavy Trucks						Data	
			9	Single Un	it	Se	emi-Trail	er	I	Multi-Trail	er	Year
	From	То	Bus	2 Ax	3+ Ax	4 Ax	5 Ax	6 Ax	5 Ax	6 Ax	7 Ax	1
IR15	CA/NV Stateline	St. Rose Pkwy. Interchange	351	689	129	235	4995	29	321	134	56	2016
IR15	St. Rose Pkwy. Interchange	Flamingo Rd. Interchange	584	1929	424	335	5186	86	314	131	164	E
IR15	Flamingo Rd. Interchange	Spring Mtn. Rd. Interchange	1388	4584	1007	796	8323	204	746	311	390	E
IR15	Spring Mtn. Rd. Interchange	Sahara Ave.	1414	4584	1027	811	8483	208	761	317	397	E
IR15	Sahara Ave.	L.V. Expwy Interchange	1398	4672	1015	802	8387	206	752	314	393	E
IR15	L.V. Expwy Interchange	Lake Mead Interchange	1047	4619	1791	1360	7225	300	328	203	480	2016
IR15	Lake Mead Interchange	Speedway-Hollywood Blvd. Interchange	839	6319	1435	1090	5789	240	263	163	385	2016
IR15	Speedway- Hollywood Blvd Interchange	US93	199	5063	102	279	3572	32	161	100	472	2016
IR15	US93	West Mesquite	154	570	71	199	3718	43	113	106	218	2015
IR15	West Mesquite	CA/NV State Line	182	693	48	554	2224	9	97	75	216	2015
IR80	CA/NV Stateline	Garson Rd.	167	852	106	191	3859	27	170	151	9	2016
IR80	Garson Rd.	Robb Dr.	748	1076	93	681	1654	14	327	65	15	2014
IR80	Robb Dr.	McCarran Ave.	182	1476	196	162	4728	25	222	187	15	2014
IR80	McCarran Ave.	Keystone Ave.	182	657	196	162	4728	25	222	187	15	2015
IR80	Keystone Ave.	Wells Ave.	540	657	186	205	3724	22	248	183	20	2013
IR80	Wells Ave.	US 395	580	745	225	235	3485	35	270	120	15	2014
IR80	US 395	Vista Blvd.	476	1975	382	302	1617	50	98	44	69	2015
IR80	Vista Blvd.	Mustang	39	1303	650	346	4501	79	244	159	316	2016
IR80	Mustang	USA Pkwy.	183	657	284	147	3150	37	98	90	206	2016
IR80	USA Pkwy.	E. Fernley	157	36	115	217	2667	22	99	61	284	2016
IR80	E. Fernley	US 95 (Trinity)	100	457	75	279	1866	16	314	64	292	2015
IR80	US 95 (Trinity)	Winnemucca Blvd. West	90	367	58	198	1960	15	69	62	260	2016

Route	Segme	nt Description	Light Trucks Single Unit			Heavy Trucks						Data
			9	ingle Un	it	Image: Semi-Trailer Image: Semi-Trailer 3+ Ax 4 Ax 5 Ax 6 Ax 5 Ax 6 Ax 7 Ax			Year			
	From	То	Bus	2 Ax	3+ Ax	4 Ax	5 Ax	6 Ax	5 Ax	6 Ax	7 Ax	
IR80	Winnemucca Blvd. West	East Winnemucca	80	272	41	117	2053	13	55	60	192	2016
IR80	East Winnemucca	SR304	100	177	45	48	2120	44	31	59	277	2015
IR80	SR304	SR304	122	314	41	158	2177	30	55	56	304	2013
IR80	SR304	SR766 Central Carlin	100	276	45	48	2120	44	31	59	277	2016
IR80	SR766 Central Carlin	SR225 Mt. City Hwy.	281	314	46	208	2690	37	73	68	285	2016
IR80	SR225 Mt. City Hwy.	Osino	219	524	50	168	2724	36	58	67	299	2016
IR80	Osino	E. Wells Ave.	66	375	48	65	2236	31	30	61	277	2016
IR80	E. Wells Ave.	US95	77	429	26	118	1907	15	46	61	242	2015
IR215	US95	IR15	394	260	343	193	1033	39	36	22	99	2015
IR215	IR15	Valley View	245	1599	303	123	641	40	34	12	169	E
CL215	Valley View	Rainbow Super Arterial	349	2277	431	174	912	57	48	17	240	E
CL215	Rainbow Super Arterial	SR159 Charleston Blvd.	133	957	208	68	347	29	24	6	143	E
CL215	SR159 Charleston Blvd.	Summerlin Pkwy.	96	920	263	52	248	41	32	2	238	2015
CL215	Summerlin Pkwy.	US 95 (Trinity)	132	998	185	122	2054	34	101	77	124	E
CL215	US 95 (Trinity)	CA/NV Stateline	149	1037	145	156	2956	31	136	114	66	E
US6	CA/NV Stateline	US6/95 (Coaldale Jct.)	3	9	1	3	38	0	10	0	0	2015
US6	US6/95 (Coaldale Jct.)	Jct. US95 (In Tonopah)	18	184	15	56	355	7	11	8	49	2016
US6	Jct. US95 (In Tonopah)	SR375	11	40	8	18	28	1	1	0	11	2016
US 6	SR375	SR318	1	13	1	7	18	1	2	1	5	2016
US6	SR318	US6 / 50 / 93	2	24	10	94	314	7	5	3	34	2016
US6 / 50 / 93	US6 / 50 / 93	Cave Lake Rd.	1	6	14	1	137	7	1	0	19	2016
US6 / 50	Cave Lake Rd.	Jct. US6 / 50 / 93 (Maj. Woods)	1	5	12	4	93	4	0	0	9	2016
US50	CA/NV Stateline	Nevada Beach	1	3	2	3	25	2	0	0	6	2016
US50	Nevada Beach	SR28	116	224	40	43	158	0	10	1	12	2015
US50	SR28	US395	118	183	44	43	165	2	8	4	12	2015
US50	US395	Fairview Ave.	267	500	116	80	582	3	73	19	63	2015
US50	Fairview Ave.	IR580 / US 50	99	1838	106	234	654	24	49	25	107	2016
US50	IR580/ US50	Fairview Ln./Graves Ln.	94	718	76	69	80	4	14	4	21	2016
US50	Fairview Ln. / Graves Ln.	Deer Run Rd. / Arrowhead Dr.	162	540	104	90	124	4	24	6	41	2016
US50	Deer Run Rd. / Arrowhead Dr.	SR341	113	348	54	79	2018	8	22	4	122	2016
US50	Dayton Valley Rd.	SR341	78	163	37	55	152	5	15	2	105	2016

Route	Segme	nt Description	n Light Trucks Heavy Trucks						Data			
			9	Single Un	Semi-Trailer Multi-Trailer N Ax 3+ Ax 4 Ax 5 Ax 6 Ax 5 Ax 6 Ax 7 Ax			Year				
	From	То	Bus	2 Ax	3+ Ax	4 Ax	5 Ax	6 Ax	5 Ax	6 Ax	7 Ax	
US50	US95 Alt.	Lahonton Boat Landing	10	33	11	17	37	1	3	0	9	2016
US50	Lahonton Boat Landing	US50 Alt.	14	39	9	17	40	2	1	2	10	2016
US50	US50 Alt.	US95	74	271	38	138	447	4	29	10	56	2016
US50	US95	SR121 / Dixie Valley Rd.	8	44	8	24	50	2	9	1	12	2016
US50	Dixie Valley Rd.	SR305	4	29	6	17	58	1	6	1	9	2016
US50	SR305	SR376	1	3	4	1	51	8	2	0	20	2016
US50	SR376	SR278	3	9	2	34	39	2	7	0	9	2016
US50	SR278	Fayette Ave.	1	2	11	3	42	6	1	0	13	2016
US50A/ US95A	US50	SR427	18	184	15	56	355	7	11	8	49	2016
US50A/ US95A	SR427	Roundabout	20	99	21	13	150	2	9	1	10	2016
US50A	Roundabout	U\$50	32	698	38	97	559	13	30	18	73	2016
US93	AZ/NV Stateline	Nevada Hwy.	152	986	136	187	1590	28	82	57	64	2016
US93	Nevada Hwy.	Buchanan Blvd.	214	239	56	128	1742	19	157	38	13	2016
US93	Buchanan Blvd.	US95	395	466	65	160	1479	21	127	35	15	2015
US93/95	RR Pass	Wagonwheel Dr.	446	622	91	282	1829	21	171	43	90	2015
US93,	US93/95 run concurrent with and are mileposted			nwheel D wl to Jct.	or. to IR15. US93 N. c	Then US of Apex.	593 runs	concurre	ent with a	and is mile	posted IR	15,
US93	IR15	SR318	27	118	9	50	271	5	14	4	19	2016
US93	SR318	SR319	1	13	1	7	18	1	2	1	5	2016
US93	SR319	US6/50	3	7	7	4	65	2	2	0	5	2016
US93	SR319	US6/50	3	7	7	4	65	2	2	0	5	2016
US93	US50	US93 Alt.	21	56	8	26	412	6	7	3	100	2015
US93	US93 Alt. (MP303.892)	IR80 (MP 381.753)	2	12	6	6	373	6	1	2	15	2016
US93	IR80 (MP 381.753)	Idaho (MP 449.668)	13	179	8	51	669	13	3	2	28	2016
US93A	US93 Alt (MP 0.00)	IR80 (MP 59.2)	0	1	3	0	24	1	0	0	72	2016
US95	California Ave.	SR163 (Laughlin Hwy.)	19	71	10	63	367	1	49	7	1	2016
US95	SR163 (Laughlin Hwy.)	SR164 (Nipton Rd.)	66	238	13	162	146	0	43	4	1	2016
US95	SR164 (Nipton Rd.)	US93/95 RR Pass	33	27	44	40	496	15	39	7	21	2016
US95 Ri	uns concurrent with a	and is mileposted US93 from IR	m Jct. US9 515 to IR:	3 to Wag 15 at the	gonwheel Spaghetti	Dr. <i>,</i> then Bowl.	US93/95	5 runs co	ncurrent	with and a	are milepo	osted
US515	Wagonwheel Dr.	IR215	446	622	91	282	1829	21	171	43	90	2015
US515	Russel Rd.	SR582 Boulder Hwy.	719	2066	598	246	2805	234	97	44	268	2016
U\$515	Boulder Hwy.	IR15	460	1286	442	233	1763	147	124	52	262	E
US95	IR15	Rainbow Rd.	330	895	363	227	1241	104	137	56	258	2016
US95	Rainbow Rd.	Rancho Interchange	200	505	285	220	720	60	150	60	255	E
US95	Rancho Interchange	SR157 Mt. Charleston	226	969	132	72	388	12	9	5	121	2013
US95	SR157 Mt. Charleston	Indian Springs AFB	76	125	25	87	380	9	12	5	62	2016

Route	Segment		Light Trucks		Heavy Trucks					Data		
-			Single Unit Bus 2 Ax 3+ Ax		Se	emi-Trail	er		Multi-Trai	ler	Year	
	From	То	Bus	2 Ax	3+ Ax	4 Ax	5 Ax	6 Ax	5 Ax	6 Ax	7 Ax	Í
US95	Indian Springs AFB	SR160	43	92	9	71	361	9	13	7	67	2016
US95	SR160	1 st St. (Beatty)	35	61	10	52	399	8	16	5	21	2016
US95	1 st St. (Beatty)	SR226	28	51	8	36	384	4	12	7	66	2015
US95	SR266	Jct. US6 (in Tonopah)	29	57	7	46	323	5	15	5	60	2016
	US6/9	95 run concurrent from Jun	ction US6	in Tonop	oah to Coa	Idale Jct.	and are	milepost	ted at US	6.		
US95	Jct. US6 (Coaldale Jct.)	SR360	28	54	6	62	311	4	15	5	32	2015
US95	SR360	SR362	34	57	8	30	547	7	45	8	29	2016
US95	SR362	Army Ammo Depot (N)	33	86	15	45	519	4	37	8	37	E
US95	Army Ammo Depot (N)	US95 Alt.	35	74	11	33	539	6	46	8	34	2016
US95	US95 Alt.	Williams St. (US50)	21	129	18	41	571	5	23	13	48	2016
US95	Williams St. (US 50)	IR80	7	24	7	20	190	2	5	0	12	2016
	ι ι	JS95 runs concurrent with a	and is mile	epost as l	80 from T	rinity Res	st Stop to	Winnen	nucca.	4	4	
US95	Winnemucca Downtown W.	Winnemucca Blvd. E.	125	60	25	135	210	30	10	5	25	E
US95	Melarkey St.	Reinhart Rd.	110	78	38	19	291	24	11	6	44	2016
US95	Reinhart Rd.	SR290	19	73	8	79	297	6	14	3	28	2016
US95	SR290	SR140	15	53	6	62	313	6	13	2	26	2016
US95	SR140	Idaho	18	89	4	47	294	5	12	4	25	2016
US95A	US95	SR339	17	35	2	18	50	1	3	1	1	2016
US95A	SR339	Weeks Cutoff	198	65	131	28	255	6	15	4	21	2016
US95A	Weeks Cutoff	US50	28	46	13	14	263	6	15	3	19	2016
	US50A/9	5A runs concurrent from Jo	t. US50 to	the Rou	ndabout i	n Fernley	, and are	milepos	ted as U	S50A.		·
US395	CA/NV Stateline	Riverview	27	9	11	10	181	1	30	13	0	2016
US395	Riverview	SR88	87	169	72	43	424	7	87	18	90	2015
US395	SR88	US50	132	299	53	95	163	1	34	6	6	2016
US50 / IR580	US395 / S. Carson St.	US 50 (William St.)	99	1838	106	234	654	24	49	25	107	2016
IR580	US50 (William St.)	Lakeview Interchange	272	685	91	203	329	2	65	11	28	2014
IR580	Lakeview Interchange	Bowers Mansion Rd.	213	426	64	102	329	2	65	11	28	2014
IR580	Bowers Mansion Rd.	Mt. Rose Hwy. (SR431)	143	2228	142	228	711	63	63	30	42	2015
IR580	Mt. Rose Hwy.	Neil Rd.	142	2915	137	213	720	48	56	28	63	2016
IR580	Neil Rd.	Plumb Ln.	476	1303	382	302	1617	50	98	44	69	2014
US395	Plumb Ln.	I-80	518	1506	454	610	2200	21	75	65	44	2010
US395	IR80	Lemmon Valley	339	1335	272	384	1084	7	89	31	215	2015
US395	Lemmon Valley	Red Rock	360	808	195	329	1147	9	103	27	25	2016
US 395	Red Rock	California	119	326	36	107	503	4	75	16	3	2016
SR28	US50	Village Blvd.	28	59	17	6	52	1	3	1	0	2015
SR28	Village Blvd.	SR431	82	100	75	11	68	3	3	0	2	2014
SR28	SR431	California	75	154	91	12	45	1	5	1	0	2015
SR88	California	Centerville Ln.	23	618	56	50	108	3	18	30	40	2015

Route	S	Segment	Light Trucks			Heavy Trucks					Data	
			S	ingle Un	it	Semi-Trailer Multi-Trailer 3+ Ax 4 Ax 5 Ax 6 Ax 5 Ax 6 Ax 7 Ax				Year		
	From	То	Bus	2 Ax	3+ Ax	4 Ax	5 Ax	6 Ax	5 Ax	6 Ax	7 Ax	
SR88	Centerville Ln.	US395	38	112	64	20	226	7	16	2	6	2016
SR117	US50	US95	35	76	19	29	132	1	12	7	30	2016
IR146	IR15	IR215 (Pecos Interchange)	204	394	118	59	254	8	17	28	51	2016
SR157	Kyle Canyon Recreation Area	US95	5	33	9	8	4	0	0	0	0	2016
SR159	SR160 (Pahrump Valley Rd.)	IR215	15	28	17	8	230	0	23	4	16	2015
SR160	SR604 (Las Vegas Blvd.)	Rainbow Blvd.	222	380	136	68	439	11	27	6	56	2016
SR160	Rainbow Blvd.	SR159 (Blue Diamond)	66	120	23	40	271	2	24	4	22	2015
SR160	SR159 (Blue Diamond)	SR371 (Charles Brown Hwy.)	53	80	6	32	73	1	4	3	7	2015
SR160	SR372 (Charles Brown Hwy.)	US95	11	14	9	13	28	1	3	0	5	2016
SR163	US95	Needles Hwy.	40	75	22	46	64	1	8	3	2	2016
SR163	Needles Hwy.	NV/AZ State Line	41	67	44	29	80	1	19	3	1	2016
SR170	IR15	Mesquite Blvd.	21	67	6	4	18	4	1	1	49	2016
SR206	SR88 Woodfords Rd.	SR207	9	25	3	5	15	0	1	1	0	2016
SR206	SR207	Genoa Ln.	10	14	5	2	3	0	0	0	0	2016
SR207	US50	SR206	24	30	11	4	43	1	0	1	1	2016
SR207	SR206	SR88	18	48	1	4	28	0	1	0	0	2016
SR208	U\$395	SR339	4	4	1	2	6	0	2	0	0	2016
SR208	SR339	US95 Alt.	5	5	10	5	10	5	5	0	0	E
SR225	Idaho St.	Copper St.	15	90	5	45	10	0	0	0	5	2008
SR225	Copper St.	Idaho	14	37	14	17	23	2	1	0	12	2016
SR227	Idaho St.	Licht Way	195	364	114	55	65	4	16	3	29	2013
SR266	CA/NV Stateline	US95	1	6	1	4	2	0	1	0	0	2016
SR278	US50	IR80 (Carlin)	4	23	4	4	14	2	3	1	7	2015
SR294	PE / HU Line	SR794 (3 rd St.)	10	31	20	2	7	1	2	0	28	2016
SR305	US50	Copper Canyon Rd.	7	6	21	4	19	5	5	1	20	2016
SR305	Copper Canyon Rd.	7	3	27	2	6	24	12	4	0	18	2015
SR318	US93/SR375	US6	13	39	3	22	290	4	9	2	21	2016
SR319	US93	NV/UT State Line	5	2	9	1	28	3	0	0	4	2016
SR339	SR208 (Yerington Rd.)	US95 Alt.	13	53	5	15	51	0	20	1	4	2016
SR341	US50	SR342 (in V.C.)	31	56	15	8	57	0	8	0	7	2016
SR341	SR342 (in V.C.)	US395	17	42	17	5	17	1	0	2	1	2014
SR360	US6	US95	3	7	1	5	276	2	60	4	3	2016
SR362	US95	US95	25	27	8	16	539	6	42	8	33	2016
SR373	California Ave.	US95	11	23	2	5	85	2	6	0	9	2016
SR375	US6	SR318	1	6	0	6	9	0	1	0	5	2016
SR376	US6	US50 (Austin)	1	1	4	1	28	10	4	1	4	2016

Route	S	egment	Light Trucks			Heavy Trucis					Data	
			S	Single Un	t Semi-Trailer Multi-Trailer 3+ Ax 4 Ax 5 Ax 6 Ax 5 Ax 6 Ax 7 Ax			Year				
	From	То	Bus	2 Ax	3+ Ax	4 Ax	5 Ax	6 Ax	5 Ax	6 Ax	7 Ax	
US395A	Bowers Mansion Rd. (SR429)	Mt. Rose Hwy. (SR431)	73	123	15	18	46	0	3	2	2	2015
US395A	Mt. Rose Hwy. (SR431)	Longley Ln.	35	67	12	15	16	0	6	1	2	2015
Virginia St.	Longley Ln.	S. McCarran Blvd.	35	67	12	15	16	0	6	1	2	2015
Virginia St.	S. McCarran Blvd.	Plumb Ln.	138	86	24	64	44	0	15	3	4	2014
Virginia St.	Plumb Ln.	N. McCarran Blvd.	109	69	14	21	25	0	5	1	1	2016
Virginia St., SR430	N. McCarran Blvd.	US395	99	63	10	7	19	0	1	0	0	2016
SR431	SR28 (N. Lake Blvd.)	Mt. Rose Ski Area	19	66	54	5	12	1	1	0	0	2015
SR431	Mt. Rose Ski Area	SR430 (S. Virginia St.)	13	486	19	12	25	34	9	1	31	2014
SR445	IR80	N. McCarran Blvd.	44	204	64	53	105	4	20	8	31	2015
SR445	N. McCarran Blvd.	44	44	204	64	53	105	4	20	8	31	2015
SR513	S. Division St.	Fairview Ave.	23	22	11	3	5	0	0	0	2	2015
SR520	SR529 (S. Carson St.)	SR530 (William St.)	20	70	14	8	15	0	7	3	2	2015
SR525	Graves Ln.	US50	22	74	11	11	9	0	0	1	2	2016
SR529	US50 (Spooner Jct.)	Fairview Dr.	267	500	116	80	582	3	73	19	63	2015
SR529	Fairview Dr.	SR520 (Stewart St.)	153	323	66	57	309	2	43	13	34	E
SR529	SR530 (Williams St.)	SR531 (College Pkwy.)	56	135	16	26	41	0	8	4	4	E
SR529	SR531 (College Pkwy.)	IR580 / US395 (Carson Bypass)	73	123	15	18	46	0	3	2	2	2015
SR530	SR529 (Carson St.)	US395 (Carson By-Pass)	25	895	47	48	36	3	3	1	1	2016
SR531	SR529 (North Carson St.)	Graves Ln.	55	80	8	7	7	0	0	0	0	2016
SR535	West Urban Limit	End State Maintained	127	148	70	29	103	5	11	3	51	2015
SR562	Las Vegas Blvd (SR604)	Mountain Vista	306	192	36	41	127	1	4	2	1	2014
SR562	Mountain Vista	US95	148	183	80	35	93	3	10	4	23	2016
SR573	SR599 (Rancho Rd.)	IR15	295	309	112	65	177	5	15	6	51	2016
SR574	US95 (OK Hwy.)	MLK Blvd.	168	144	333	10	79	8	0	0	15	2016
SR574	MLK Blvd.	SR612 (Nellis Blvd.)	439	444	327	99	349	10	70	8	38	2016
SR579	SR599 (Rancho Rd.)	SR604 (Las Vegas Blvd.)	120	112	17	30	54	1	5	0	18	2016
SR579	Las Vegas Blvd. (SR604)	SR612 (Nellis Blvd.)	147	143	13	10	26	0	1	00	1	2016
SR582	US95 (Wagonwheel Dr.)	SR612 (Nellis Blvd.)	154	218	62	165	44	2	8	1	2	2016
SR582	SR612 (Nellis Blvd.)	Maryland Pkwy.	88	146	37	110	22	1	7	2	2	2016
SR589	Rainbow Blvd.	Las Vegas Blvd. (SR604)	100	219	30	153	62	1	10	1	2	2016
SR589	SR604 (Las Vegas Blvd.)	Nellis Blvd. (SR612)	48	70	29	72	16	1	2	0	2	2014
SR592	Rainbow Blvd.	SR604 (Las Vegas Blvd.)	190	252	68	55	63	1	6	1	4	2015
SR592	SR604 (Las Vegas Blvd.)	SR582 (Boulder Hwy.)	189	243	91	49	47	1	10	2	10	2015

Route	S	Light Trucks			Heavy Trucks					Data		
			9	Single Un	Semi-Trailer Multi-Trailer 3 Ax 4 Ax 5 Ax 6 Ax 5 Ax 6 Ax 7 Ax			er	Year			
	From	То	Bus	2 Ax	3 Ax	4 Ax	5 Ax	6 Ax	5 Ax	6 Ax	7 Ax	
SR593	Rainbow Blvd.	IR15	275	225	85	100	90	5	5	5	5	E
SR593	IR15	IR515	145	204	38	168	76	1	8	2	2	2015
SR593	IR515	Boulder Hwy. (SR582)	128	225	43	202	61	2	6	0	3	2016
SR594	Paradise	Sandhill Rd.	68	119	25	13	20	6	2	1	3	2016
SR594	Sandhill Rd.	IR515	86	120	34	12	40	6	3	1	4	2016
SR595	SR160 (Pahrump Valley Rd.)	SR593 (Tropicana Blvd.)	87	96	37	9	57	1	3	1	3	2014
SR595	SR593 (Tropicana Blvd.)	Rainbow Blvd. Interchange (US95)	167	190	51	60	130	3	9	1	8	2014
SR596	SR593 (Tropicana Ave.)	US95	109	150	12	10	21	0	1	0	7	2016
SR596	US95	Rancho Rd.	81	107	25	6	11	1	1	0	0	2016
SR599	US95	SR574 (Cheyenne Ave.)	243	199	22	24	47	1	6	1	4	2015
SR599	SR574 (Cheyenne Ave.)	US95 (Ann/Rancho Rd. Interchange)	246	193	61	15	25	1	3	0	9	2016
SR604	IR15	SR146 (Saint Rose Pkwy.)	7	24	9	10	18	4	1	1	57	2016
SR604	SR146 (Saint Rose Pkwy.)	SR593 (Tropicana Ave.)	300	373	82	22	57	1	4	0	1	2016
SR604	SR593 (Tropicana Ave.)	SR147 (Lake Mead Blvd.)	434	354	22	59	16	1	12	5	3	2016
SR604	SR147 (Lake Mead Blvd.)	IR15	63	84	24	126	48	0	12	2	5	2016
SR606	Russell Rd.	Charleston Blvd.	63	92	19	96	19	0	5	1	2	2016
SR607	SR562 (Sunset Rd.)	SR159 (Charleston Blvd.)	219	150	67	30	32	0	5	1	2	2016
SR607	SR159 (Charleston Blvd.)	SR604 (Las Vegas Blvd.)	145	192	67	35	34	0	9	1	1	2015
SR610	SR159 (Charleston Blvd.)	SR604 (Las Vegas Blvd.)	145	192	67	35	34	0	9	1	1	2015
SR610	SR604 (Las Vegas Blvd.)	IR15	215	344	253	142	274	16	156	11	112	2016
SR612	SR593 (Tropicana Ave.)	Washington Ave.	163	218	75	23	55	1	6	0	2	2015
SR612	Washington Ave.	SR604 Las Vegas Blvd.	286	328	230	41	66	5	9	1	54	2016
SR648	Kietzke Ln.	E. McCarran Blvd.	175	336	69	42	105	2	39	9	6	2014
SR653	McCarran Blvd.	Virginia St.	12	44	8	5	1	0	1	0	0	2016
SR657	California Ave.	IR80	64	99	13	25	7	0	11	2	5	2016
SR657	IR80	End of Route	30	60	20	35	15	0	5	5	10	2015
SR659	IR580/US395	IR80	125	225	90	80	65	10	0	0	10	Е
SR659	IR80	Longley Ln.	144	253	120	69	288	10	24	25	75	2014
SR659	Longley Ln.	IR580	125	765	150	120	160	5	5	5	5	E
SR756	SR88	U\$395	22	40	3	2	6	0	1	0	0	2016
SR766	IR80	End of Route	127	130	13	21	52	18	4	2	381	2015
Airway Dr.	Longley Ln.	Neil Rd.	65	97	31	14	33	1	8	1	3	2015
Carat Ave.	Double Diamond Pkwy.	Steamboat Pkwy.	11	28	15	0	11	0	0	0	15	2016

Route	S	Light Trucks			Heavy Trucks						Data	
			S	ingle Un	it	Se	emi-Trail	er	Γ	Multi-Trail	er	Year
	From	То	Bus	2 Ax	3 Ax	4 Ax	5 Ax	6 Ax	5 Ax	6 Ax	7 Ax	
Double Diamond	Double R Blvd.	Double R Blvd.	45	151	9	7	16	1	1	1	7	2016
Echo Blvd.	Moya Blvd.	Alpha Ave.	48	26	14	22	42	0	5	1	2	2016
Fairview Ave.	S. Carson St.	Freeway Entrance	229	364	154	69	604	4	80	12	42	2014
Fairview Ave.	Freeway Entrance	US50	36	82	23	12	19	0	6	1	3	2015
Jacks Valley Rd.	SR206	US395	12	21	4	2	1	0	4	0	0	2016
Koval Ln.	Reno Ave.	Sands	545	680	24	34	43	0	3	1	1	2016
Lone Mtn. Rd.	IR215	Rancho Rd.	26	73	10	6	3	0	1	0	0	2016
Lone Mts. Rd.	Rancho Rd.	Camino Al Norte	10	67	2	3	5	1	1	0	0	2015
Longley Ln.	S. McCarran Blvd.	Pembroke Dr.	80	131	30	83	67	0	6	4	0	2014
Needles Hwy.	CA/NV Stateline	SR163 (Laughlin Hwy.)	32	34	4	15	13	0	8	0	0	2016
Nevada Hwy.	Buchanan Blvd.	US93	14	31	6	4	1	0	1	0	0	2016
Sandhill Rd.	Sunset Rd.	Tropicana Ave.	78	59	12	40	0	1	1	0	1	2016
Sandhill Rd.	Russel Rd.	Boulder Hwy.	62	51	8	5	10	1	1	0	0	2016
South Meadows Pkwy.	I-580 NB off/on ramps	E. of Veterans Pkwy.	57	63	7	2	5	0	1	0	0	2015
Sparks Blvd.	IR80	Pyramid Way	27	60	41	54	135	1	6	2	2	2016
Terminal Way	Plumb Ln.	Gregg St.	152	149	46	31	29	0	5	1	3	2014
Torrey Pines Rd.	Tropicana Ave.	Charleston Blvd.	5	25	2	1	1	0	0	0	0	2016
USA Pkwy.	IR80	EOP	68	175	207	110	910	4	16	4	32	2016
Valley View	IR215	Spring Mtn.	113	123	24	12	21	1	3	0	1	2016
Valley View	Spring Mtn.	U\$95	143	196	24	16	19	1	2	1	1	2016
Veterans Pkwy.	SR341 (Geiger Grade)	S. Meadows Pkwy.	44	111	8	7	11	2	1	0	7	2016
Vista Blvd.	IR80	Prater Way	142	319	222	176	419	3	35	15	34	2016
Vista Blvd.	Prater Way	End of Maintained	82	124	57	15	38	3	4	2	7	2015
W. Fourth St.	IR80	W. McCarran Blvd.	30	37	31	2	41	0	0	0	2	2016
W. Mesquite Blvd.	IR15	Sandhill Blvd.	28	89	25	9	30	3	7	2	55	2016
Wedge Pkwy.	Mt. Rose Hwy.	Arrow Creek Pkwy.	7	22	8	1	1	0	0	0	0	2016

Reno Facility

SEGMENT	DIRECTION	PERIOD	AVG_TTI	TTI_P80	TTI_P95	AVG_SPEED	Score	
I-580	NORTHBOUND	AM PEAK	1.149	1.196	1.349	63.6		
I-580	NORTHBOUND	MIDDAY	1.199	1.238	1.419	60.9		
I-580	NORTHBOUND	PM PEAK	1.672	2.086	3.115	43.7	25	I-580 Aux lanes
I-580	NORTHBOUND	WEEKEND	1.159	1.196	1.349	63.1		
I-580	SOUTHBOUND	AM PEAK	1.220	1.259	1.427	58.2		
I-580	SOUTHBOUND	MIDDAY	1.202	1.247	1.415	59.1		
I-580	SOUTHBOUND	PM PEAK	1.262	1.319	1.930	56.3		
I-580	SOUTHBOUND	WEEKEND	1.160	1.199	1.382	61.3		
I-80 EB Robb Drive to I-590	EASTBOUND	AM PEAK	1.214	1.220	1.548	56.8	8.3	I-80 Robb to I-580
I-80 EB Robb Drive to I-590	EASTBOUND	MIDDAY	1.136	1.154	1.235	60.8		
I-80 EB Robb Drive to I-590	EASTBOUND	PM PEAK	1.156	1.177	1.289	59.7		
I-80 EB Robb Drive to I-590	EASTBOUND	WEEKEND	1.110	1.140	1.209	62.2		
I-80 EXIT 23 to EXIT 32	EASTBOUND	AM PEAK	1.129	1.125	1.176	64.2		
I-80 EXIT 23 to EXIT 32	EASTBOUND	MIDDAY	1.103	1.123	1.154	65.6		
I-80 EXIT 23 to EXIT 32	EASTBOUND	PM PEAK	1.113	1.136	1.176	65.1		
I-80 EXIT 23 to EXIT 32	EASTBOUND	WEEKEND	1.117	1.145	1.194	64.9		
I-80 EXIT 23 to EXIT 32	WESTBOUND	AM PEAK	1.313	1.376	2.109	51.9	16.6	Mustang to USA
I-80 EXIT 23 to EXIT 32	WESTBOUND	MIDDAY	1.120	1.141	1.196	60.9		
I-80 EXIT 23 to EXIT 32	WESTBOUND	PM PEAK	1.285	1.364	1.947	53.1		
I-80 EXIT 23 to EXIT 32	WESTBOUND	WEEKEND	1.108	1.130	1.191	61.5		
I-80 McCarran to EXIT 23	EASTBOUND	AM PEAK	1.150	1.131	1.193	60.4		
I-80 McCarran to EXIT 23	EASTBOUND	MIDDAY	1.104	1.123	1.156	63.0		
I-80 McCarran to EXIT 23	EASTBOUND	PM PEAK	1.201	1.151	1.232	57.9	8.3	McCarran to Mustang
I-80 McCarran to EXIT 23	EASTBOUND	WEEKEND	1.106	1.134	1.184	62.8		
I-80 McCarran to EXIT 23	WESTBOUND	AM PEAK	1.133	1.125	1.161	62.6		
I-80 McCarran to EXIT 23	WESTBOUND	MIDDAY	1.105	1.121	1.155	64.2		
I-80 McCarran to EXIT 23	WESTBOUND	PM PEAK	1.247	1.123	1.238	56.9	8.3	McCarran to Mustang

SEGMENT	DIRECTION	PERIOD	AVG_TTI	TTI_P80	TTI_P95	AVG_SPEED	Score	
I-80 McCarran to EXIT 23	WESTBOUND	WEEKEND	1.114	1.129	1.172	63.7		
I-80 WB Robb Drive to I-590	WESTBOUND	AM PEAK	1.153	1.181	1.241	58.7		
I-80 WB Robb Drive to I-590	WESTBOUND	MIDDAY	1.141	1.169	1.219	59.4		
I-80 WB Robb Drive to I-590	WESTBOUND	PM PEAK	1.150	1.188	1.278	58.9	8.3	I-80 West
I-80 WB Robb Drive to I-590	WESTBOUND	WEEKEND	1.129	1.163	1.219	60.0		
NV-445	NORTHBOUND	AM PEAK	1.326	1.437	1.834	43.3		
NV-445	NORTHBOUND	MIDDAY	1.298	1.396	1.803	44.3		
NV-445	NORTHBOUND	PM PEAK	1.459	1.573	2.163	39.4		
NV-445	NORTHBOUND	WEEKEND	1.306	1.361	1.913	44.2		
NV-445	SOUTHBOUND	AM PEAK	1.668	1.893	3.300	32.9	25	Pyramid Highway
NV-445	SOUTHBOUND	MIDDAY	1.510	1.609	2.638	36.4		
NV-445	SOUTHBOUND	PM PEAK	1.554	1.664	2.679	35.3		
NV-445	SOUTHBOUND	WEEKEND	1.474	1.568	2.494	37.3		
US-395	NORTHBOUND	AM PEAK	1.182	1.217	1.339	59.0		
US-395	NORTHBOUND	MIDDAY	1.163	1.199	1.298	60.0		
US-395	NORTHBOUND	PM PEAK	1.177	1.217	1.411	59.3		
US-395	NORTHBOUND	WEEKEND	1.144	1.211	1.328	61.1		
US-395	SOUTHBOUND	AM PEAK	1.629	1.869	3.571	43.1	25	Clear Acre to Red Rock
US-395	SOUTHBOUND	MIDDAY	1.138	1.156	1.250	61.7		
US-395	SOUTHBOUND	PM PEAK	1.140	1.161	1.261	61.6		
US-395	SOUTHBOUND	WEEKEND	1.110	1.143	1.222	63.4		
US-395 NB McCarran to Oddie	NORTHBOUND	AM PEAK	1.242	1.298	1.450	54.3		
US-395 NB McCarran to Oddie	NORTHBOUND	MIDDAY	1.199	1.258	1.379	56.3		
US-395 NB McCarran to Oddie	NORTHBOUND	PM PEAK	1.335	1.483	1.782	50.6		
US-395 NB McCarran to Oddie	NORTHBOUND	WEEKEND	1.185	1.290	1.449	57.1		
US-395 NB Moana to I-80	NORTHBOUND	AM PEAK	1.175	1.223	1.337	60.1		
US-395 NB Moana to I-80	NORTHBOUND	MIDDAY	1.187	1.228	1.321	59.5		
US-395 NB Moana to I-80	NORTHBOUND	PM PEAK	1.662	2.102	3.179	42.5	25	I-580 Aux lanes
US-395 NB Moana to I-80	NORTHBOUND	WEEKEND	1.146	1.197	1.301	61.7		
SEGMENT	DIRECTION	PERIOD	AVG_TTI	TTI_P80	TTI_P95	AVG_SPEED	Score	
-----------------------------------	------------	---------	---------	---------	---------	-----------	-------	-------------------
US-395 SB McCarran to Oddie	SOUTHBOUND	AM PEAK	2.433	3.136	6.331	28.2	25	Spaghetti bowl
US-395 SB McCarran to Oddie	SOUTHBOUND	MIDDAY	1.174	1.202	1.309	58.5		
US-395 SB McCarran to Oddie	SOUTHBOUND	PM PEAK	1.257	1.224	1.378	54.6		
US-395 SB McCarran to Oddie	SOUTHBOUND	WEEKEND	1.131	1.182	1.270	60.8		
US-395 SB Moana to I-80	SOUTHBOUND	AM PEAK	1.377	1.427	1.946	50.5		
US-395 SB Moana to I-80	SOUTHBOUND	MIDDAY	1.214	1.251	1.370	57.3		
US-395 SB Moana to I-80	SOUTHBOUND	PM PEAK	1.303	1.303	1.951	53.3		
US-395 SB Moana to I-80	SOUTHBOUND	WEEKEND	1.167	1.213	1.337	59.6		

TTTR Metric

					Weekday		All Days	Weekend
SEGMENT	DIRECTION	ТМС	ROAD ORDER	6:00am-	10:00am	4:00pm-	8:00pm	6:00am-
				10:00 am	-4:00pm	8:00pm	-6:00am	8:00pm
I-580	NORTHBOUND	105+04953	106	1.286	1.714	3.875	1.286	1.286
I-580	NORTHBOUND	105P04953	107	1.235	1.765	3.778	1.235	1.313
I-580	NORTHBOUND	105+04954	108	1.375	1.500	2.333	1.320	1.333
I-580	SOUTHBOUND	105-04953	189	1.313	1.438	1.563	1.250	1.313
I-580	SOUTHBOUND	105N04953	190	1.231	1.269	1.333	1.269	1.231
I-80 EB								
Robb Drive	EASTBOUND	105+04991	338	1.130	1.116	1.159	1.243	1.130
to I-590								
I-80 EB								
Robb Drive	EASTBOUND	105P04991	339	1.16/	1.111	1.16/	1.222	1.111
to 1-590								
Robh Drive	FASTBOUND	105+0/992	340	1 1 2 7	1 1 1 1	1 130	1 218	1 111
to I-590	LASIBOOND	105104552	540	1.127	1.111	1.150	1.210	1.111
I-80 EB								
Robb Drive	EASTBOUND	105P04992	341	1.275	1.120	1.180	1.196	1.120
to I-590								
I-80 EB								
Robb Drive	EASTBOUND	105+04993	342	1.373	1.154	1.200	1.200	1.108
to I-590								
I-80 EB		105004002	242	1 10/	1 1 2 2	1 1 5 0	1 1 0 /	1 167
to I-590	EASTBOUND	103P04993	545	1.104	1.152	1.130	1.104	1.102
I-80 EB								
Robb Drive	EASTBOUND	105+04994	344	1.308	1.154	1.231	1.231	1.154
to I-590								
I-80 EB								
Robb Drive	EASTBOUND	105P04994	345	1.229	1.171	1.200	1.143	1.143
to I-590								
I-80 EB		105+04005	246	1 206	1 206	1 206	1 1 1 2	1 1 / 2
to I-590	LASTBOOND	105+04995	540	1.200	1.200	1.200	1.145	1.145
I-80 EB								
Robb Drive	EASTBOUND	105P04995	347	1.467	1.467	1.467	1.241	1.276
to I-590								
I-80 EB								
Robb Drive	EASTBOUND	105+04996	348	1.800	1.600	1.500	1.333	1.333
to 1-590								
1-80 EXII	EASTROUMD	105+05100	266	1 10E	1.050	1 000	1 107	1 000
32	EASTBOUND	103+03182	500	1.102	1.050	1.000	1.107	1.000
I-80 EXIT								
23 to EXIT	EASTBOUND	105P05182	367	1.182	1.091	1.182	1.083	1.182
32								
I-80 EXIT								
23 to EXIT	EASTBOUND	105+05183	368	1.121	1.063	1.080	1.145	1.098
32								

					Weekday		All Days	Weekend
SEGMENT	DIRECTION	ТМС	ROAD ORDER	6:00am-	10:00am	4:00pm-	8:00pm	6:00am-
				10:00 am	-4:00pm	8:00pm	-6:00am	8:00pm
I-80 EXIT 23 to EXIT 32	WESTBOUND	105-05003	827	1.096	1.096	1.178	1.167	1.125
I-80 EXIT 23 to EXIT 32	WESTBOUND	105N05003	828	1.167	1.167	1.167	1.167	1.167
I-80 EXIT 23 to EXIT 32	WESTBOUND	105-05002	829	1.110	1.088	1.221	1.149	1.104
I-80 EXIT 23 to EXIT 32	WESTBOUND	105N05002	830	1.231	1.154	1.423	1.154	1.115
I-80 EXIT 23 to EXIT 32	WESTBOUND	105-05001	831	1.333	1.200	1.688	1.200	1.133
I-80 EXIT 23 to EXIT 32	WESTBOUND	105N05001	832	1.718	1.342	2.711	1.378	1.270
I-80 EXIT 23 to EXIT 32	WESTBOUND	105-05000	833	2.591	1.767	3.089	1.268	1.214
I-80 EXIT 23 to EXIT 32	WESTBOUND	105N05000	834	2.814	2.214	2.750	1.250	1.200
I-80 McCarran to EXIT 23	EASTBOUND	105+05000	356	1.294	1.176	1.353	1.375	1.250
I-80 McCarran to EXIT 23	EASTBOUND	105P05000	357	1.219	1.125	1.219	1.226	1.161
I-80 McCarran to EXIT 23	EASTBOUND	105+05001	358	1.256	1.154	1.231	1.205	1.179
I-80 McCarran to EXIT 23	EASTBOUND	105P05001	359	1.158	1.105	1.158	1.158	1.105
I-80 McCarran to EXIT 23	EASTBOUND	105+05002	360	1.308	1.231	1.308	1.231	1.231
I-80 McCarran to EXIT 23	EASTBOUND	105P05002	361	1.143	1.111	1.185	1.148	1.148
I-80 McCarran to EXIT 23	EASTBOUND	105+05003	362	1.108	1.072	1.102	1.129	1.086
I-80 McCarran to EXIT 23	EASTBOUND	105P05003	363	1.143	1.095	1.143	1.143	1.095

					Weekday		All Days	Weekend
SEGMENT	DIRECTION	ТМС	ROAD ORDER	6:00am-	10:00am	4:00pm-	8:00pm	6:00am-
				10:00 am	-4:00pm	8:00pm	-6:00am	8:00pm
I-80 McCarran to EXIT 23	EASTBOUND	105P05004	365	1.071	1.071	1.071	1.071	1.071
I-80 McCarran to EXIT 23	WESTBOUND	105N05183	822	1.107	1.107	1.143	1.143	1.107
I-80 McCarran to EXIT 23	WESTBOUND	105-05182	823	1.088	1.066	1.123	1.123	1.088
I-80 McCarran to EXIT 23	WESTBOUND	105N05182	824	1.083	1.083	1.167	1.083	1.083
I-80 McCarran to EXIT 23	WESTBOUND	105-05004	825	1.070	1.070	1.190	1.126	1.088
I-80 McCarran to EXIT 23	WESTBOUND	105N05004	826	1.182	1.182	1.273	1.182	1.182
I-80 WB Robb Drive to I-590	WESTBOUND	105N04996	842	1.200	1.207	1.267	1.241	1.172
I-80 WB Robb Drive to I-590	WESTBOUND	105-04995	843	1.176	1.176	1.235	1.235	1.118
I-80 WB Robb Drive to I-590	WESTBOUND	105N04995	844	1.167	1.133	1.161	1.267	1.133
I-80 WB Robb Drive to I-590	WESTBOUND	105-04994	845	1.200	1.200	1.200	1.400	1.200
I-80 WB Robb Drive to I-590	WESTBOUND	105N04994	846	1.139	1.111	1.167	1.333	1.111
I-80 WB Robb Drive to I-590	WESTBOUND	105-04993	847	1.111	1.111	1.167	1.333	1.111
I-80 WB Robb Drive to I-590	WESTBOUND	105N04993	848	1.135	1.108	1.135	1.405	1.135
I-80 WB Robb Drive to I-590	WESTBOUND	105-04992	849	1.139	1.139	1.181	1.370	1.137
I-80 WB Robb Drive to I-590	WESTBOUND	105N04992	850	1.184	1.184	1.211	1.282	1.184
I-80 WB Robb Drive to I-590	WESTBOUND	105-04991	851	1.133	1.133	1.178	1.283	1.133

					Weekday		All Days	Weekend
SEGMENT	DIRECTION	ТМС	ROAD ORDER	6:00am-	10:00am	4:00pm-	8:00pm	6:00am-
	NORTHROUND	105,21024		10:00 am	-4:00pm	8:00pm	-6:00am	8:00pm
NV-445	NORTHBOUND	105+21024		1.722	1.815	2.141	2.281	2.008
NV-445	NORTHBOUND	105+21025		1.596	1.497	1.569	1.540	1.590
NV-445	NORTHBOUND	105P21024		3.083	3.091	3.833	2.364	3.091
INV-445	NORTHBOUND	105P21025		3.333	3.007	4.000	5.555	0.007
NV-445	SOUTHBOUND	105-21022		3.090	3.090	2.649	1.681	2.050
NV-445	SOUTHBOUND	105-21023		2.133	1.924	1.924	1.766	2.341
NV-445	SOUTHBOUND	105-21024		1.843	1.651	2.000	1.658	1.861
NV-445	SOUTHBOUND	105N21023		4.000	3.750	3.500	2.750	4.500
NV-445	SOUTHBOUND	105N21024		3.600	4.000	6.200	3.250	5.400
NV-445	SOUTHBOUND	105N21025		3.500	3.833	4.143	2.800	5.500
US-395	NORTHBOUND	105P04962	125	1.378	1.364	1.395	1.313	1.465
US-395	NORTHBOUND	105+04963	126	1.284	1.292	1.319	1.299	1.361
US-395	NORTHBOUND	105P04963	127	1.278	1.222	1.333	1.263	1.353
US-395	NORTHBOUND	105+04964	128	1.364	1.273	1.455	1.364	1.400
US-395	NORTHBOUND	105P04964	129	1.250	1.200	1.619	1.262	1.200
US-395	NORTHBOUND	105+04965	130	1.208	1.208	1.500	1.250	1.167
US-395	NORTHBOUND	105P04965	131	1.158	1.132	1.211	1.158	1.105
US-395	NORTHBOUND	105+04966	132	1.213	1.164	1.180	1.161	1.167
US-395	NORTHBOUND	105P04966	133	1.162	1.162	1.194	1.158	1.194
US-395	NORTHBOUND	105+04967	134	1.230	1.189	1.205	1.213	1.178
US-395	SOUTHBOUND	105N04967	162	1.172	1.138	1.138	1.167	1.138
US-395	SOUTHBOUND	105-04966	163	1.289	1.188	1.188	1.235	1.193
US-395	SOUTHBOUND	105N04966	164	1.217	1.130	1.130	1.217	1.182
US-395	SOUTHBOUND	105-04965	165	1.625	1.125	1.153	1.205	1.141
US-395	SOUTHBOUND	105N04965	166	2.607	1.107	1.143	1.179	1.148
US-395	SOUTHBOUND	105-04964	167	2.324	1.182	1.212	1.273	1.152
US-395	SOUTHBOUND	105N04964	168	2.143	1.176	1.171	1.294	1.206
US-395	SOUTHBOUND	105-04963	169	3.160	1.375	1.375	1.333	1.250
US-395	SOUTHBOUND	105N04963	170	4.318	1.143	1.190	1.190	1.143
US-395	SOUTHBOUND	105-04962	171	4.000	1.148	1.182	1.222	1.148
US-395	SOUTHBOUND	105N04962	172	5.333	1.111	1.156	1.200	1.163
US-395 NB McCarran to Oddie	NORTHBOUND	105+04960	120	1.333	1.333	2.500	1.500	1.167

					Weekday		All Days	Weekend
SEGMENT	DIRECTION	ТМС	ROAD ORDER	6:00am-	10:00am	4:00pm-	8:00pm	6:00am-
				10:00 am	-4:00pm	8:00pm	-6:00am	8:00pm
US-395 NB McCarran to Oddie	NORTHBOUND	105+04961	122	1.250	1.250	1.615	1.417	1.364
US-395 NB McCarran to Oddie	NORTHBOUND	105P04961	123	1.233	1.276	1.433	1.367	1.276
US-395 NB McCarran to Oddie	NORTHBOUND	105+04962	124	1.329	1.319	1.348	1.324	1.418
US-395 NB Moana to I-80	NORTHBOUND	105P04954	109	1.176	1.229	1.750	1.265	1.212
US-395 NB Moana to I-80	NORTHBOUND	105+04955	110	1.400	1.400	1.714	1.400	1.368
US-395 NB Moana to I-80	NORTHBOUND	105P04955	111	1.318	1.217	1.792	1.261	1.227
US-395 NB Moana to I-80	NORTHBOUND	105+04956	112	1.300	1.200	2.000	1.200	1.333
US-395 NB Moana to I-80	NORTHBOUND	105P04956	113	1.267	1.267	2.000	1.333	1.200
US-395 NB Moana to I-80	NORTHBOUND	105+04957	114	1.429	1.429	2.286	1.429	1.429
US-395 NB Moana to I-80	NORTHBOUND	105P04957	115	1.313	1.250	2.529	1.313	1.333
US-395 NB Moana to I-80	NORTHBOUND	105+04958	116	1.316	1.316	2.900	1.474	1.263
US-395 NB Moana to I-80	NORTHBOUND	105P04958	117	1.190	1.238	3.273	1.333	1.250
US-395 NB Moana to I-80	NORTHBOUND	105+04959	118	1.385	1.286	4.214	1.615	1.385
US-395 NB Moana to I-80	NORTHBOUND	105P04959	119	1.383	1.426	3.231	1.604	1.422
US-395 SB McCarran to Oddie	SOUTHBOUND	105-04961	173	5.000	1.162	1.191	1.343	1.152
US-395 SB McCarran to Oddie	SOUTHBOUND	105N04961	174	4.000	1.190	1.286	1.381	1.200

SEGMENT	DIRECTION	ТМС	ROAD ORDER		Weekday		All Days	Weekend
				6:00am-	10:00am	4:00pm-	8:00pm	6:00am-
				10:00 am	-4:00pm	8:00pm	-6:00am	8:00pm
US-395 SB								
McCarran	SOUTHBOUND	105-04960	175	2.813	1.286	1.357	1.429	1.214
McCarran	SOUTHBOUND	105N04960	176	2 588	1 267	1 333	1 400	1 286
to Oddie		1001101000	170	2.000	11207	1.000	11100	11200
US-395 SB								
Moana to	SOUTHBOUND	105-04959	177	2.000	1.348	1.391	1.500	1.364
I-80								
US-395 SB		405104050	470	4 7 7 7	4 9 9 9	4 450	4 400	4 450
Moana to	SOUTHBOUND	105N04959	178	1./2/	1.390	1.450	1.488	1.450
1-80								
Moana to	SOUTHBOUND	105-04958	179	1.667	1.500	1.500	1.375	1.375
I-80								
US-395 SB								
Moana to	SOUTHBOUND	105N04958	180	1.630	1.346	1.423	1.400	1.320
1-80								
US-395 SB Moana to		105-04057	191	2 000	1 500	2 000	1 500	1 500
I-80	SOOTIBOOND	105-04957	101	2.000	1.500	2.000	1.500	1.500
US-395 SB								
Moana to	SOUTHBOUND	105N04957	182	1.486	1.229	1.371	1.294	1.235
I-80								
US-395 SB		105 04050	100	4.946	4 9 9 9	4.469	4 9 9 9	4 9 9 9
Moana to	SOUTHBOUND	105-04956	183	1.346	1.333	1.462	1.333	1.333
US-395 SB								
Moana to	SOUTHBOUND	105N04956	184	1.200	1.214	1.429	1.214	1.143
I-80								
US-395 SB								
Moana to	SOUTHBOUND	105-04955	185	1.200	1.200	1.400	1.100	1.222
I-80								
US-395 SB Moana to	SOUTHPOUND	105N04055	196	1 250	1 261	1 625	1 217	1 227
I-80		1031004933	100	1.250	1.201	1.025	1.21/	1.227
US-395 SB								
Moana to	SOUTHBOUND	105-04954	187	1.524	1.524	2.000	1.350	1.450
I-80								
US-395 SB								
Moana to	SOUTHBOUND	105N04954	188	1.235	1.294	1.765	1.242	1.303
I-80								

*Refer to AADT Totals under Optimizing Mobility for truck percentages.



SUB-SECTION E - Sustainability

Overall Community and Well-Being							
Total Score	Ranking	Score					
	HIGH	57.5					
100	MEDIUM	17.0 - 21.5					
	LOW	45					

This section is intended to provide points to those projects that promote livability within the surrounding community to improve the quality of life.

E1 - Intermodal / Technology Accommodations						
Maximum	Intermodal Scoring System					
Score	Criteria	Scoring				
40.0	None	0				
	1	13.3				
40.0	2	26.7				
	3 Plus	40				
	Description					
Points are a as well as m Active Man	nwarded for connecting modes of transportation (i.e., park and ride lots, naking accommodations for the implementation of technology, connecte agement Systems.	transit facilities, bicycle facilities) ed vehicles, variable speed signs,				

E2 - Financial / Resource Sustainability					
Maximum	Scoring System				
Score	Criteria	Scoring			
No signifi 40.0 Moderate	No significant long term resources required	40.0			
	Moderate long term resources required	20.0			
	Significant long term resources required	0			
	Description				
Points are a awarded fo as variable additional i	awarded for projects that will not have significant long term cost or resour or projects that have moderate additional maintenance, such as additional speed signs and active traffic management. No points are awarded for r maintenance crews.	urce demands. Less points are al lanes, lighting, technology such new facilities that will require			

E3 - Environmental Effects						
Maximum	Environmental Scoring System					
Score	Criteria	Scoring				

	YES	20.0				
20.0	NEUTRAL	10.0				
	NO	0				
Description						
Points are a mitigate for	awarded to projects that have the potential to improve air quality, water r light and noise pollution, or have minimal environmental impacts.	quality, as well as the potential to				
For new alignments, the existing roadway must be compared to the proposed alignment when analyzing air and water quality. In addition, new alignments are assumed to mitigate environmental impacts, but are scored lower as any new alignment has effects on the environment.						

				Sustainability				
	Study	Location	Description	Intermodal/ Technology Accommodation	Financial/ Staffing Sustainability	Environmental Effects	Total Sustainability Score	Weighted Sustainability Score
Dee				40.0%	40.0%	20.0%	100.0%	7.5%
Roa	<u>dway</u>							
1		US 395	Clear Acre Lane to Red Rock Drive (MP 27.06 to 35.81)	13.3	40.0	10.0	63.3	4.7
2		I-80 East	Widen I-80 from McCarran Boulevard to USA Parkway (MP 17.56 to 32.75)	13.3	40.0	20.0	73.3	5.5
3		I-580	New Auxiliary Lanes between interchanges: 1. NB I-580 Moana Ln to Virginia St (MP 22.56 to 21.51) 2. NB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP 20.72 to 21.51) 3. SB I-580 Moana Ln to Virginia St/Kietzke Ln (MP 22.56 to 21.51) 4. SB I-580 Neil Rd/Meadowood Mall to S. Virginia St. (MP20.72 to 21.51)	0.0	40.0	10.0	50.0	3.8
4		I-80 West	Widen EB I-80 Robb Drive to Keystone Avenue (MP 9.23 to 12.48)	0.0	40.0	10.0	50.0	3.8
5	EDAWN La Posada Study	La Posada Alternatives	Potential roadway connection from La Posada to USA Parkway	13.3	0.0	0.0	13.3	1.0
6	Sparks TMSA Study	La Posada						
7	Meadows Evaluation	South Meadows Connector	South Meadows to USA Parkway	13.3	0.0	0.0	13.3	1.0
8	Pyramid/US 395 Connector	Connection between Pyramid and US 395 (Overall)	New alignment currently under EIS study	13.3	0.0	0.0	13.3	1.0
9		Phase 1	Widen Pyramid Hwy between Queen Way and Sparks Blvd. (MP 1.97 to 5.44)	0.0	40.0	10.0	50.0	3.8
10		Phase 2	Widen Disc Dr. from Pyramid hwy. to Vista Blvd.	0.0	40.0	10.0	50.0	3.8
11		Phase 3	Construct new US 395 Connector from Parr interchange to Pyramid Highway	13.3	0.0	0.0	13.3	1.0

				Sustainability				
	Study	Location	Description	Intermodal / Technology Accommodation	Financial Staffing Sustainability	Environmental Effects	Total Sustainability Score	Weighted Sustainability Score
				40.0%	40.0%	20.0%	100.0%	7.5%
Roa	<u>dway</u>				-		-	
12		Phase 4	Add new direct connect Ramps at US395 w/ widening of US395	0.0	20.0	0.0	20.0	1.5
13		Phase 5	Widen Pyramid highway from Sparks Blvd. to Calle De La Plata (MP 5.44 to 9.75)	0.0	40.0	10.0	50.0	3.8
14		Phase 6	New interchange near Sun Valley local improvements	0.0	0.0	0.0	0.0	0.0
	SEC Alignment Studies							
	Land Use							
15		Patrick/I-80 Interchange	Reconstruct Interchange	0	40	10	50.0	3.8
16		Lockwood/I- 80 Interchange	Reconstruct Interchange	0	40	10	50.0	3.8
17		Vanpooling	See transit column below					
18		TRIC internal transit/rail	NDOT currently studying as part of inter-county regional transit study					
19	Reno Spaghetti Bowl	I-80/I-580/US 395 System Interchange	Reconstruct Interchange (MP 25.0)	13.3	20.0	10.0	43.3	3.2
20	NDOT Autonomous Vehicles Grant	I-80	Feasibility of a pilot AV corridor project	26.7	20	20	66.7	5.0
	2009 I-80 Corridor Study							
		Patrick/I-80 Interchange	Reconstruct Interchange (MP 28.1)					
		Lockwood/I- 80 Interchange	Reconstruct Interchange (MP 22.5)					
		Patrick/I-80 Interchange	Construct Roundabout ramp termini					
		Lockwood/I- 80 Interchange	Construct Roundabout ramp termini					
21		Eastbound I- 80 - McCarran to Sparks	Add auxiliary lanes (MP 16.5 to 17.6)	0.0	40.0	10.0	50.0	3.8
22		Eastbound I- 80 McCarran to Vista	Widen to 3 lanes (MP 17.6 to 19.7)	0.0	40.0	10.0	50.0	3.8
		Eastbound I- 80 Vista to Lockwood	Add auxiliary lane					
		Eastbound I- 80 Vista to Patrick	Widen to 3 lanes					

			Sustainability					
	Study	Location	Description	Intermodal/ Technology Accommodation	Financial Staffing Sustainability	Environmental Effects	Total Sustainability Score	Weighted Sustainability Score
				40.0%	40.0%	20.0%	100.0%	7.5%
Roa	<u>dway</u>	in the state of the						
23		Westbound I- 80 Sparks to McCarran	Add auxiliary lane (MP 16.5 to 17.6)	0.0	40.0	10.0	50.0	3.8
24		Westbound I- 80 Vista to McCarran	Widen to 3 lanes (MP 17.6 to 19.7)	0.0	40.0	10.0	50.0	3.8
		Westbound Lockwood to Vista	Add auxiliary lane					
		Westbound Patrick to Vista	Widen to 3 lanes					
25		Install ITS backbone	E. McCarran to Wadsworth	13.3	40.0	10.0	63.3	4.7
				Freight				
	Nevada State							
	Freight Plan		Fasters Trusters					
26		I-80 Safety Improvements	Canyon (USA Parkway interchange improvements)	0.0	40.0	10.0	50.0	3.8
27		I-80 USA Parkway Interchange	New interchange with possible direct connect system	0.0	20.0	10.0	30.0	2.3
28		Lockwood Interchange	New interchange including bridge over the Truckee					
	NDOT Statewide Truck Parking Implementation Plan							
	Other							
29	McCarran SMP	McCarran Interchange	Construct new interchange at McCarran Boulevard	0.0	40.0	10.0	50.0	3.8
30	City of Sparks	Sparks Interchange	Construct new interchange at Sparks Blvd.	0.0	40.0	10.0	50.0	3.8
31	City of Sparks	Vista Interchange	Construct new interchange at Vista Blvd.	0.0	40.0	10.0	50.0	3.8
32	RTC	Clean Water Way	Clean Water bypass (from Veterans Pkwy to I- 80)(Eastbound)	0.0	40.0	0.0	40.0	3.0
33	I80 Reversible lanes	Vista to USA	Reversible lanes from Vista to USA Pkwy	26.7	20.0	10.0	56.7	4.3
34	Eagle Canyon Alignment	Lemmon Valley to Spanish Springs	New alignment from Spanish Springs to Lemmon Valley (8.2 mi)	0.0	0.0	0.0	0.0	0.0
				Transit/Ridesh	are			
	RTC Commuter Rail TESLA Park and							
	Ride RTC Vanpool							

		Operational Agence	y Plans		
NDOT and Inter-					
County Regional					
Transit Plan					
EDWAN Transit					
Management					
Association					



INTRODUCTION

This spreadsheet model provides a method for preparing a simple economic analysis of both highway and transit projects. Given certain input data for a project, the model calculates its life-cycle costs, life-cycle benefits, net present value, benefit/cost ratio, internal rate of return, and payback period. Annual benefits are also calculated. The model is arranged by worksheets and contains the following information, data, and results:

<u>Worksheets</u>	<u>Contents</u>
Instructions	General model description and
	assumptions
1) Project Information	Project input data
2) Model Inputs	Highway speed, volume, accident data,
	and trips estimated by model
3) Results	Summary results of analysis
Travel Time	Calculation of travel time and induced
	demand impacts
Vehicle Operating Costs	Calculation of highway vehicle operating
	cost impacts
Accident Costs	Calculation of accident cost impacts
Emissions	Calculation of emission impacts
Final Calculations	Calculation of net present value, internal
	rate of return, and payback period
Parameters	Economic assumptions, lookup tables,
	and other model parameters

The model is designed so that the user generally needs to enter data only in the green boxes on the Project Information worksheet. The model estimates detailed highway speed, volume, and accident data for the user to review on the Model Inputs worksheet. Highway speeds are estimated from volumes using relationships found in the Highway Capacity Manual. Other adjustments are made for weaving and pavement conditions. An option is also available to conduct a simple queuing analysis. Accidents are estimated from statewide averages and recent data for the facility. If available, inputs from regional planning or traffic simulation models can be entered to override model calculations. Summary results are shown in Results worksheet.

The remaining worksheets are provided for the user to see, but model performs calculations automatically. Some projects (i.e., truck only lanes, bypasses, interchanges, and connectors) require the user to enter two sets of highway data, since two roads are involved. The model calculates benefits for the first road before the user enters information about the second road. The user clicks a button and the model clears the Project Information worksheet to receive information on other road.

In the process of economic analysis, some generally accepted economic assumptions are necessary. These assumptions include: the real and nominal discount rates, unit user costs (e.g., value of time), consumption rates (e.g., fuel consumption and vehicle emissions), and accident rates. These assumptions are given in the Parameters worksheet and should not be changed by the user.

After reading the instructions in this worksheet, the user should proceed to the Project Information worksheet and input data for the specific project in the green boxes (light gray when printed). The model provides default values in the red boxes (medium gray when printed). These values can be changed by the user, if information specific to the project is available. The model calculates some values based on relationships or assumptions, with results shown in the blue boxes (dark gray when printed). These values can be changed by the user.

INSTRUCTIONS

The user can analyze most projects simply by entering limited data on the Project Information Sheet and getting results on the Results page. The Model Inputs page allows the user to enter more detailed data adjust estimated speeds, volumes, and accidents rates, and check the number of trips estimated for projects that affect vehicle occupancy.

PROJECT DATA (Box 1A)

This section provides general information about the project and is used for highway, rail, and transit projects. At the top of the sheet, the user can enter information about the project, such as the project name, Caltrans district, and funding information.

Type of Project	
1	Please select the appropriate type of highway, rail, or transit project from the pull-down menu. The menu appears if user clicks on the green box next to the project type.
	For a truck only lane, bypass or intersection project, model reminds user that information must be entered for both roads impacted by project. After entering information for the first road, the user clicks a button at bottom of the worksheet to prepare model for data on the bypass or intersecting road. The user may also enter information for connector projects involving two roads.
Project Location	
2	Insert a 1, 2, or 3 for the appropriate region of California. This information is used to estimate peak traffic and emissions benefits.
Length of Construction F	Period
3	Insert the number of construction years before benefits begin. This must be a whole number (round to next higher integer).
One- or Two-Way Data	
4	Indicate whether Highway Design and Traffic Data to be entered in Box 1B is for a single direction or both directions of highway.
Length of Peak Period(s)	
5	Insert the number of peak period hours per typical day. The model provides a default of 5 hours (statewide average). Model estimates total % daily traffic occurring during peak period using a lookup table developed from Traffic Census data. Model does not distinguish between weekdays and weekends.
	To model a 24-hour HOV or HOT lane, enter 24 hours so peak is 100% of ADT. To model a ramp metering project, user should enter the number of hours per day that metering is operational.

HIGHWAY DESIGN AND TRAFFIC DATA (Box 1B)

Highway design and traffic data must be entered for highway projects. Enter data consistent with one- or two-way answer in Box 1A. Statewide default values are provided for some inputs.

Highway Design	
6	Roadway Type: Indicate if the road is a freeway, expressway, or conventional highway in build and no build cases.
7	Number of General Traffic Lanes: Insert number of general purpose (not HOV or bus) lanes in both directions for build and no build cases. Enter data consistent with Box 1A.
8	Number of HOV Lanes: Insert number of HOV lanes in both directions for the build and no build cases. A value must be provided if an HOV restriction is entered on the next row.
9	HOV Restriction: If highway facility has/will have HOV lanes, enter the HOV restriction (e.g., 2 means 2 people per vehicle). Must be entered for an HOV project. Enter for a non-HOV project, if facility has HOV lanes. Changes in HOV restrictions are special project types and handled automatically by model.
10	Exclusive ROW for Buses: If bus project, indicate (with "Y" or "N") whether buses have exclusive right-of-way. This information is used to estimate emissions.
11	Highway Free-Flow Speed: Insert free-flow speed for build and no build cases. Model assumes build is same as no build, if not entered.
12	Ramp Design Speed: If auxiliary lane or off-ramp project, enter the design speed of the appropriate on- or off-ramp. This is used to estimate the speed of traffic affected by weaving.
13	Highway Segment: Insert segment length for build and no build cases. Model assumes build is same as no build, if not entered.

14	Impacted Length: The model estimates an area affected by the project. In most cases, this equals the segment length. For passing lane projects, the default affected area is 3 miles longer than the project area. For auxiliary lane and off-ramp projects, the default affected area is 1500 feet. For connectors and HOV drop ramps, default affected area is 3250 feet. User can change these lengths.
Average Daily Tr	affic (ADT)
15	Current: For most projects, insert current two-way ADT on facility. For operational improvements, enter only the one-way ADT applicable for project. Enter data consistent with one-way or two-way answer in Box 1A
16	Forecast (Year 20): Insert projected ADT for 20 years after construction completion for build and no build cases. Model assumes build is same as no build, if not entered.
	The model uses the current and forecasted ADT to estimate annual traffic for 20 years after construction, assuming a linear trend. User can change base (Year 1) forecasts.
Average Hourly I	HOV/HOT Lane Traffic
17	Insert hourly HOV/HOT volumes for build and no build cases in a typical peak hour.
Percent Traffic in	n Weave
18	For operational improvements, insert % traffic affected by weaving. Model suggests a % based on the type of project (2 right lanes for auxiliary lanes, 3 right lanes for off-ramps, 2.5% of all traffic for freeway connectors, and 4% of HOV traffic for HOV connectors and drop ramps). Users can change values for project conditions.
Percent Trucks	
19	Insert estimated % of ADT comprised of trucks in build and no build cases. Model provides a default value (statewide average).
Truck Speed	
20	If passing lane project, enter estimated speed (in MPH) for slow vehicles (trucks, recreational vehicles, etc.). Values must be entered for passing lane projects.
On-Ramp volum	e Hourly Pamp Volumo: If auxiliary lane or on ramp widening project, insert average hourly
21	ramp volume to estimate traffic affected by weaving for auxiliary lanes and metering effectiveness for on-ramp widening. No entry needed for ramp metering projects.
22	Metering Strategy: If on-ramp widening project, enter 1, 2, or 3 for vehicles allowed per green signal. Enter "D" for dual metering. No entry should be made for ramp metering projects.
Queue Formation	n
23	Arrival Rate: For queuing and rail grade crossing projects, enter vehicles per hour contributing to queue. Arrival rate should be estimated only for time queue grows. Model estimates queue dissipation automatically.
24	Departure Rate: For queuing and rail crossing projects, enter vehicles per hour leaving queue.
Pavement Condi	tion (for Pavement Rehab Projects)
25	If pavement rehabilitation project, enter base (Year 1) International Roughness Index (IRI) for build and no build. Model will calculate Year 20 values using standard parameters unless entered by user.
Average Vehicle	Occupancy (AVO)
26	Model provides default values. The figures change automatically, depending on the presence of HOV lanes. Adjust if project-specific data are available.

HIGHWAY ACCIDENT DATA (Box 1C)

27

Statewide default values are provided for transit projects. The model uses information provided to calculate accident rates for each accident type in the Model Inputs worksheet.

Actual 3-Year Accident Data (from Table B)

Insert the total number of fatal, injury, and property damage only accidents on the segment over the three most recent years. For rail grade crossing projects, enter 10-year accident data from FRA WBAPS in fatal and injury rows and collision prediction in total accident row.

Statewide Basic Average Ac	cident Rate
28	Insert statewide average accident rates per million vehicle-miles (or million vehicles, as appropriate) for build and no build highway rate groups. Include Base Rate and ADT Factor where applicable.
	Insert statewide % of accidents that are fatal and injury accidents for road classifications similar to build and no build facilities.
29	The model uses adjustment factors (the ration of actual rates to statewide rates for existing facility) to estimate accident rates by accident type for the new road classification. Additional adjustments (accident savings) are made for highway TMS projects. Results are presented in the Model Inputs worksheet and can be changed by the user.
RAIL AND TRANSIT DATA (I	Box 1D)
This section is used for rail an	d transit projects only.
Annual Person-Trips	
30	Base (Year 1): Insert estimated annual transit person-trips for first year after construction completion in build and no build cases. For transit TMS projects, enter only person-trips on routes affected. If the routes are substantially different, the benefits analysis should be split into pieces.
31	Forecast (Year 20): Insert forecasted annual transit person-trips for 20 years after construction completion in build and no build cases
Percent Trips During Break	Period
32	Insert % annual person-trips that occur during a break period.
Percent New Trips from Para	allel Highway
33	Insert % new transit person-trips originating on parallel highway.
Annual Vehicle-Miles	
34	Base (Year 1): Insert estimated annual vehicle-miles for first year after construction completion in build and no build cases. For passenger rail projects, multiply the number of train-miles by the average number of rail cars per train consist.
35	Forecast (Year 20): Insert forecasted annual vehicle-miles for 20 years after
Average Vehicles per Trein	construction completion in build and no build cases.
Average venicies per Train	If passenger rail project, insert the average number of rail cars per train consist. This is
36	used to calculate emissions.
Reduction in Transit Accide	NIS
37	project. Increases should be entered as negative %.
Average Transit Travel Time)
38	peak periods in build and no build cases. For TMS Projects, insert the average for all transit routes impacted. Model assumes build is same as no build for most projects. Signal priority and bus rapid transit projects reduce time. User can adjust build travel
39	times. Out-of-Vehicle: Insert average out-of-vehicle transit travel time in minutes during peak and non-neak periods. Model monetizes out-of-vehicle travel time at a higher value
Highwav Grade Crossing	
40	Annual Number of Trains: Insert annual number of passenger and freight trains entering
41	Average Gate Down Time: Insert average time per train that crossing gate is down for
Transit Agoncy Costs (for T	passenger and neight trains.
Transit Agency costs (for Th	Annual Capital Expenditure: If transit TMS project insert annual agency capital
42	expenditures for routes impacted by project. Model calculates cost reductions for expenditures in build case due to transit TMS. Agency cost savings are entered automatically as a negative cost in Box 1E. Annual Ops. And Maintenance Expenditure: If transit TMS project, insert the annual
43	average operating and maintenance costs for routes impacted by project. Model calculates cost reductions for expenditures in build case due to transit TMS. Agency cost savings are entered automatically as a negative cost in Box 1E.

PROJECT COSTS (Box 1E)

Net project costs should be entered in the years they are expected to occur. Costs should be entered for construction period and for twenty years after construction completion. Construction Year 1 is the first year that costs are incurred. All costs should be entered in thousands of dollars.

	Insert project's initial costs in constant (Year 2016) dollars for project development, right-
44	of-way, and construction. The number of construction years with costs should equal the
	length of the construction period (Box 1A, Input 5).
	Insert estimated future incremental maintenance/ operating and rehabilitation costs in
45	constant (Year 2016) dollars. These figures should be entered in the years after the
	project opens.
	Insert estimated mitigation costs (e.g., wetlands, community, and sound walls) in
46	constant (Year 2016) dollars during construction and for 20 years after construction
	completion.
47	Model adds agency cost savings due to transit TMS automatically.
48	Insert any other costs not already included.

HIGHWAY SPEED AND VOLUME INPUTS (Box 2A)

This section allows user to review detailed speed and volume data estimated by the model. These values are estimated from the inputs provided in the Project Information sheet.

	User may enter new speed and volume data for the highway in the green boxes to
	override model calculations, if detailed data are available from a travel demand or micro-
	simulation model. The model estimates speeds and volumes on highway for HOVs, non-
49	HOVs, weaving vehicles, and trucks during peak and non-peak periods in Year 1 and
	Year 20 in build and no build cases. Speeds are estimated using a BPR curve (or
	queuing analysis). Adjustments are made to speed and volumes to account for weaving.
	Transit mode shifts, pavement condition, and TMS.
	IF TMS Project and detailed simulation data are available, the highway results should be
50	inputted in the green cells. Model will use the data in place of figures estimated by the
	model

HIGHWAY ACCIDENT RATES (Box 2B)

User may adjust accident rates calculated by the model. User may also enter TASAS highway accident data for rail grade crossing projects in this box.

0	No Build: Estality, injury and PDO accident rates for no build facility are estimated using
51	inputs from Box 1C of the Project Information sheet. User may change these rates in green boxes.
	Highway Safety or Weaving Improvement: Model assumes an overall safety
52	improvement for off-ramp and ramp metering projects. User may adjust this percentage. For safety projects, user should enter collision reduction factor from HSIP Guidelines.
	Adjustment Factor: User may change the rations of facility accident rates to statewide
53	averages used in calculating rates for the build facility. These factors are also adjusted
	by the collision reduction factor.
E A	Build Facility: User may modify the fatality, injury, and PDO accident rates using
54	statewide average rates and the adjustment factors.
RAMP AND ARTE	ERIAL INPUTS (Box 2C)

This section allows users to enter detailed arterial information for an arterial signal management project or detailed ramp and arterial data for highway TMS project.

	Detailed Information Available : Input "Y" if detailed arterial and/or ramp data are available. Model automatically selects "Y" if other data are inputted. User should enter
55	detailed ramp and arterial data for TMS highway project if detailed highway data are entered in Box 2A.
	Aggregate Segment Length: Input the total segment lengths for the ramps and
56	arterials. These can be estimated from travel demand or micro-simulation model data as
	VMT/total trips.
	User may enter speeds and volumes on ramps and arterials during peak and non-peak
57	periods in Year 1 and Year 20 in build and no build cases. If arterial signal management
57.	project, user must enter arterial data. Benefits are estimated assuming all vehicles are
	automobiles.

ANNUAL PERSON-TRIPS (Box 2D)

This section is for information purposes only. It allows user to examine number trips estimated for projects that affect AVO (e.g., HOT lane and HOV conversions).

NEXT STEPS

For bypass, interchange, and connector projects, click button on Project Information page after data are verified for the first road. Enter data for the second road in Boxes 1B and 1C. As with the first road, detailed data may be verified on Model Inputs page. Model prompts user to save interim version of analysis before proceeding.
Summary results are available immediately in the Results worksheet.

Clean Water Bypass

Image: Table of the second s	> PROJECT DATA					
Type of Project						
Select project type from list	General Highway					
Project Location (enter 1 for So. Cal., 2 for No	. Cal., or 3 for rural)					
Length of Construction Period	2 years					
One- or Two-Way Data	2 enter 1 or 2					
Length of Peak Period(s) (up to 24 hrs)	Current 2 hours					

Jighway Decign	No Puild	Duild
Roadway Type (Fwy, Exp, Conv Hwy)	F 0	F
Number of General Traffic Lanes	Z	2
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	U	
Exclusive ROW for Buses (y/n)	IN	
Highway Free-Flow Speed	55	55
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	1.5	1.5
Impacted Length	1.5	1.5
Average Daily Traffic	E 000	1
Current	5,000	Duild
		Build
Base (Year 1)	11,934	11,934
Forecast (Year 20)	//,810	77,810
Average Houriy HOV/HOT Lane Traπic	0	0
Percent of induced Trips in HOV (If HOT of 2-to-		
	2.5%	2.5%
reverse and function of the second se	<u> </u>	10%
TUCK Speed	50	
Dn-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	206	163
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IPI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Build	Build
General Traffic Non-Peak	1.74	1.74
Peak	1 74	1.74

Actual 3-Year Accident Data (from Table B)					
	Count (No.)	Rate			
Total Accidents (Tot)	5	0.61			
Fatal Accidents (Fat)	0	0.000			
Injury Accidents (Inj)	0	0.00			
Property Damage Only (PDO) Accidents	5	0.61			

Statewide Basic Average Accident Rate						
	No Build	Build				
Rate Group	Interstate	Interstate				
Accident Rate (per million vehicle-miles)	2.07	2.07				
Percent Fatal Accidents (Pct Fat)	0.3%	0.3%				
Percent Injury Accidents (Pct Inj)	34.7%	34.7%				

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Percent Trips dur	ing Peak Perio	d	17%	
Percent New Trip	s from Parallel	Highway		100%
Annual Vehicle-N	liles		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Average Vehicles	/Train (if rail proj	ect)	0	0
verage Transit	Travel Time		No Build	Build
	Non Peak (in m	vinutes)		
	Peak (in minute	() ()	0.0	0.0
Out-of-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
			1 Y	
Highway Grade C	rossing	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Down	Time (in min.)	0.0	0.0	0.0
Transit Agency C	osts (if TMS proj	ect)	No Build	Build
Annual Capital E	xpenditure		\$0	\$0
Annual Ops. and Maintenance Expenditure			50	\$0

(1E)	> PROJECT COSTS (enter costs in thousands of dollars)								
Col. no.	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIRECT	FPROJECT CO	STS			Transit		
		INITIAL COSTS	5	SUBSEQUE	INT COSTS		Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period				v 				
1	\$1,000,000	\$5,000,000	\$0					\$7,500,000	\$7,500,000
2	1,000,000	0	0					7,500,000	7,009,346
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
Project O	pen						· · · · · · · · · · · · · · · · · · ·		
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7	1							0	0
8								0	0
9								0	0
10	•							0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16	•							0	0
17	•							0	0
18	o							0	0
19								0	0
20	•							0	0
Total	\$2,000,000	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$15,000,000	\$14,509,346



Disc Dr. (Pyramid to Vista)(Phase 2)

IAPROJEC	PROJECT DATA					
Type of Project						
Select project type from list	General Highway					
Project Location (enter 1 for So. Cal., 2 for N	o. Cal., or 3 for rural) 2					
Length of Construction Period	2 years					
One- or Two-Way Data	2 enter 1 or 2					
Length of Peak Period(s) (up to 24 hrs	Current S) 2 hours					

IB HIGHWAY DESIGN AND TRAF	FIC DA	ТА
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	4	6
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	2	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	40	40
Ramp Design Speed (if aux. lane/off-ramp proj.)	0	0
Length (in miles) Highway Segment	1.4	1.4
Impacted Length	1.4	1.4
Average Daily Traffic		
	0.000	1
Guirein	9,000 No Build	Build
Base (Vear 1)	0 286	9.286
Ease (Teal T)	12 000	12 000
Average Hourly HOV/HOT Lane Traffic	0	12,000
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv)	100%
Percent Traffic in Weave	0.0%	0.0%
Percent Trucks (include RVs if applicable)	16%	16%
Truck Speed	40	
		8
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	0	0
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
		×
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Puild	Puild
General Traffic Non-Peak	1 74	1 74
Peak	1.74	1.74
High Occupancy Vehicle (if HOV/HOT lanes)	2.15	2.15
	2.10	

Actual 3-Year Accident Data (from Table B)					
	Count (No.)	Rate			
Total Accidents (Tot)	131	9.49			
Fatal Accidents (Fat)	1	0.072			
Injury Accidents (Inj)	49	3.55			
Property Damage Only (PDO) Accidents	81	5.87			
Statewide Basic Average Accident Rate					
	No Build	Build			
Rate Group	Interstate	Interstate			

Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.3%	0.3%
Percent Injury Accidents (Pct Inj)	34.7%	34.7%

1D RAIL AND TRANSIT DATA						
Annual Person-T	rips		No Build	Build		
	Base (Year 1)		0	0		
	Forecast (Year	20)	0	0		
Percent Trips dur	17%					
Percent New Trip	s from Parallel	Highway		100%		
Annual Vehicle-M	liles		No Build	Build		
	Base (Year 1)		0	0		
	Forecast (Year	20)	0	0		
Average Vehicles	/ Train (if rail proj	ect)	0	0		
Reduction in Transit Accidents Percent Reduction (if safety project) 0%						
Average Transit	Fravel Time		No Build	Build		
In-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0		
	Peak (in minute	es)	0.0	0.0		
Out-of-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0		
	Peak (in minute	es)	0.0	0.0		
Highway Grade C	rossing	Current	Year 1	Year 20		
Annual Number	Annual Number of Trains		0	0		
Avg. Gate Down	Time (in min.)	0.0	0.0	0.0		
-						
Transit Agency C	osts (if TMS proj	ect)	No Build	Build		
Annual Capital E	xpenditure		\$0	\$0		
Annual Ops. and	Maintenance Ex	penditure	\$0	\$0		

(1E)			PROJECT C	OSTS (ente	er costs in	thousand	s of dollar	s)	
Col. no.	F (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIREC	F PROJECT CO	STS			Transit		
		INITIAL COSTS	5	SUBSEQUE	INT COSTS]	Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$557,500	\$0	\$0					\$11,150,000	\$11,150,000
2	557,500							11,150,000	10,420,561
3								0	0
4								0	0
5								0	0
6								0	0
7		*****					*****	0	0
8								0	0
Project O	pen								
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								U	0
15								0	0
17								0	0
10								0	0
10								0	0
20								0	0
Total	\$1,115,000	\$0	\$0	\$0	\$0	\$0	\$0	\$22,300,000	\$21,570,561

	INVESTMENT ANALYSIS SUMMARY RESULTS				
		Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$) \$21.6	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$) \$32.4	Travel Time Savings	\$0.4	\$0.0	\$0.4	\$0.0
Net Present Value (mil. \$) \$10.8	Veh. Op. Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
	Accident Cost Savings	\$26.9	\$5.1	\$32.0	\$1.6
Benefit / Cost Ratio: 1.5	Emission Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
	TOTAL BENEFITS	\$27.3	\$5.1	\$32.4	\$1.6
Rate of Return on Investment: 12.2%					
	Person-Hours of Time Saved			74,592	3,730
hould benefit-cost results include:		Тог	ns	Value (r	nil. \$)
hould benefit-cost results include:		<u>Tor</u> Total Over	ns Average	<u>Value (r</u> Total Over	<u>nil. \$)</u> Average
hould benefit-cost results include:	EMISSIONS REDUCTION	<u>Tor</u> Total Over 20 Years	ns Average Annual	<u>Value (r</u> Total Over 20 Years	<u>nil. \$)</u> Average Annual
hould benefit-cost results include: 1) Induced Travel? (y/n) Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved	Total Over 20 Years	ns Average Annual 0	Value (r Total Over 20 Years \$0.0	<u>mil. \$)</u> Average Annual \$0.0
hould benefit-cost results include: 1) Induced Travel? (y/n) Y Default = Y 2) Vehicle Operating Costs? (y/n)	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	Total Over 20 Years 0 93	ns Average Annual 0 5	Value (r Total Over 20 Years \$0.0 \$0.0	nii. \$) Average Annual \$0.0 \$0.0
hould benefit-cost results include: 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/t Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO ₂ Emissions Saved	Total Over 20 Years 0 93 0	ns Average Annual 0 5 0	Value (r Total Over 20 Years \$0.0 \$0.0 -\$0.0	nil. \$) Average Annual \$0.0 \$0.0 -\$0.0
hould benefit-cost results include: 1) Induced Travel? (y/n) Y Default = Y 2) Vehicle Operating Costs? (y/t Y Default = Y 3) Accident Costs? (y/n) Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	Total Over 20 Years 0 93 0 0	Average Annual 0 5 0 0	Value (r Total Over 20 Years \$0.0 \$0.0 -\$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 -\$0.0 \$0.0
hould benefit-cost results include: 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/ 3) Accident Costs? (y/n) Y Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM ₂₅ Emissions Saved	Total Over 20 Years 0 93 0 0 0 0	Average Annual 0 5 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.0 -\$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 -\$0.0 \$0.0
hould benefit-cost results include: 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/, 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n) Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _x Emissions Saved	Total Over 20 Years 0 93 0 0 0 0 0 0 0 0 0 0	Average Annual 0 5 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.0 -\$0.0 \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 -\$0.0 \$0.0 \$0.0
hould benefit-cost results include: 1) Induced Travel? (y/n) Y Default = Y 2) Vehicle Operating Costs? (y/ Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved	Total Over 20 Years 0 93	n <u>s</u> Average Annual	0 5 0	Value (r Total Over 20 Years 0 5 \$0,0 0

Eagle Canyon Connector

IAPROJECT	DATA
Type of Project	
Select project type from list	General Highway
Project Location (enter 1 for So. Cal., 2 for No.	Cal., or 3 for rural) 2
Length of Construction Period	2 years
One- or Two-Way Data	2 enter 1 or 2
Length of Peak Period(s) (up to 24 hrs)	Current 5 hours

Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	Е	С
Number of General Traffic Lanes	0	2
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	15	45
Ramp Design Speed (if aux. lane/off-ramp proj.)	0	0
Length (in miles) Highway Segment	8.2	8.2
Impacted Length	8.2	8.2
Average Daily Traffic		
Current	0	
	No Build	Build
Base (Year 1)	0	2,000
Forecast (Year 20)	0	3,500
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	0%
Percent Traffic in Weave		0.0%
Percent Trucks (include RVs, if applicable)	1%	1%
Truck Speed	10	45
On Roma Valuma	Dook	Non Dook
Un-Ramp volume	Реак	
Houring Ramp volume (if aux. lane/on-ramp proj.)	U	U
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Build	Build
General Traffic Non-Peak	1.20	1.74
Peak	1.74	1.74
High Occupancy Vehicle (if HOV/HOT lanes)	0.00	0.00

HIGHWAY ACCIDENT DATA

Actual 3-Year Accident Data (from Table B)		
, , , , , , , , , , , , , , , , , , , ,	Count (No.)	Rate
Total Accidents (Tot)		0.21
Fatal Accidents (Fat)		0.006
Injury Accidents (Inj)		0.65
Property Damage Only (PDO) Accidents		1.06
Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group		
Accident Rate (per million vehicle-miles)	0.00	0.21
Percent Fatal Accidents (Pct Fat)	0.0%	0.6%
Percent Injury Accidents (Pct Inj)	0.0%	1.1%

ω Γαι) Percent Injury Accidents (Pct Inj)

1D	RAIL AND	TRANSIT	DATA	
Annual Person-T	rips		No Build	Build
	Base (Year 1)			
	Forecast (Year	20)		
Percent Trips dui	ring Peak Perio	d	0%	
Percent New Trip	os from Parallel	Highway		100%
Annual Vehicle-N	Ailes		No Build	Build
	Base (Year 1)			
	Forecast (Year	20)		
Average Vehicles	5/Train (if rail proj	ect)		
Reduction in Trai	nsit Accidents			
Percent Reduct	ion (if safety proje	ect)		
Average Transit	Traval Tima		No Ruild	Puild
	Non-Peak (in m	vinutes)		
	Peak (in minute			0.0
Out-of-Vehicle	Non-Peak (in m	vinutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
		/		0.0
Highway Grade C	Crossing	Current	Year 1	Year 20
Annual Number	of Trains		0	
Avg. Gate Down	n Time (in min.)		0.0	
			••••	
Transit Agency C	costs (if TMS proj	ect)	No Build	Build
Annual Capital E	Expenditure			\$0
Annual Ops. and	d Maintenance Ex	penditure		\$0

(1E)			PROJECT	COSTS (ei	n <mark>ter costs</mark> i	in thousar	nds of dol	lars)	
Col. no.	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIREC	F PROJECT CO	STS			Transit		
		INITIAL COSTS	5	SUBSEQUE	ENT COSTS	ľ	Agency	TOTAL COS	TS (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$0			< Must en	ter a cost>			\$0	\$0
2	0			< Must en	ter a cost>			0	0
3	5,000			Adjust Const	ruction Period			5,000,000	4,367,194
4	1,000	1,000	30,000	Adjust Const	ruction Period			32,000,000	26,121,532
5	0		30,000	Adjust Const	ruction Period			30,000,000	22,886,856
6			0					0	0
7			0					0	0
8			0					0	0
Project O	pen								
1				\$ 20.00				\$ 20,000.00	\$ 17,468.77
2				\$ 20.00				\$ 20,000.00	\$ 16,325.96
3				\$ 20.00				\$ 20,000.00	\$ 15,257.90
4				\$ 20.00				\$ 20,000.00	\$ 14,259.72
5				\$ 20.00				\$ 20,000.00	\$ 13,326.84
6				\$ 20.00				\$ 20,000.00	\$ 12,454.99
7				\$ 20.00				\$ 20,000.00	\$ 11,640.18
8				\$ 20.00				\$ 20,000.00	\$ 10,878.67
9				\$ 20.00				\$ 20,000.00	\$ 10,166.99
10				\$ 20.00	\$ 20,000.00			\$ 20,020,000.00	\$ 9,511,357.78
11				\$ 20.00				\$ 20,000.00	\$ 8,880.24
12				\$ 20.00				\$ 20,000.00	\$ 8,299.29
13				\$ 20.00				\$ 20,000.00	\$ 7,756.34
14				\$ 20.00				\$ 20,000.00	\$ 7,248.92
15				\$ 20.00				\$ 20,000.00	\$ 6,774.69
16				\$ 20.00				\$ 20,000.00	\$ 6,331.49
17				\$ 20.00				\$ 20,000.00	\$ 5,917.28
18				\$ 20.00				\$ 20,000.00	\$ 5,530.17
19				\$ 20.00				\$ 20,000.00	\$ 5,168.38
20				\$ 20.00				\$ 20,000.00	\$ 4,830.26
Total	\$6,000	\$1,000	\$60,000	\$ 400.00	\$ 20,000.00	\$-	\$-	\$ 87,400,000.00	\$ 63,075,456.95



I-80 Eastern Truckee Canyon, USA Parkway Interchange

IAPROJE	CT DATA
Type of Project	
Select project type from list	General Highway
Project Location (enter 1 for So. Cal., 2 for	No. Cal., or 3 for rural)
Length of Construction Period	1 years
One- or Two-Way Data	2 enter 1 or 2
Length of Peak Period(s) (up to 24 h	rs) 2 hours

Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	2	3
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	65	65
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	1.2	1.2
Impacted Length	1.2	1.2
Average Dally Traffic Current	32,000	
	No Build	Build
Base (Year 1)	34.143	34.143
Forecast (Year 20)	74.869	74.869
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	25.0%	25.0%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	40	
On Pamp Volumo	Dook	Non Peal
On-Ramp Volume	Peak	Non-Peal
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.)	Peak 620	Non-Peal 421
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.)	Peak 620	Non-Peal 421
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.)	Peak 620 Year 1	Non-Peal 421 Year 20
 On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) 	Peak 620 Year 1 0	Non-Peal 421 Year 20 0
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour)	Peak 620 Year 1 0 0	Non-Peak 421 Year 20 0 0
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project)	Peak 620 Year 1 0 0 No Build	Non-Peal 421 Year 20 0 0 Build
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile)	Peak 620 Year 1 0 0 No Build	Non-Peak 421 Year 20 0 0 Build
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20)	Peak 620 Year 1 0 0 No Build	Non-Peal 421 Year 20 0 0 Build
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20)	Peak 620 Year 1 0 0 No Build	Non-Peak 421 Year 20 0 0 Build
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20)	Peak 620 Year 1 0 0 No Build	Non-Peak 421 Year 20 0 0 Build Build
On-Ramp Volume Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20) Average Vehicle Occupancy (AVO) General Traffic	Peak 620 Year 1 0 0 0 No Build 1.74	Non-Peak 421 Year 20 0 0 Build 1.74

Actual 3-Year Accident Data (from Table B)		
	Count (No.)	Rate
Total Accidents (Tot)	2	0.05
Fatal Accidents (Fat)	0	0.000
Injury Accidents (Inj)	2	0.05
Property Damage Only (PDO) Accidents	0	0.00

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Percent Trips dur	ing Peak Perio	d	17%	
Percent New Trip	s from Parallel	Highway		100%
Annual Vehicle-N	liles		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Average Vehicles	/Train (if rail proj	ect)	0	0
verage Transit	Travel Time		No Build	Build
	Non Peak (in m	vinutes)		
	Peak (in minute	() ()	0.0	0.0
Out-of-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
			1 Y	
Highway Grade C	rossing	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Down	Time (in min.)	0.0	0.0	0.0
Transit Agency C	osts (if TMS proj	ect)	No Build	Build
Annual Capital E	xpenditure		\$0	\$0
Annual Ops and	iviaintenance Ex	oenditure	50	\$0

(1E)		I	PROJECT C	OSTS (ente	er costs in	thousands	s of dollar	s)	
Col. no.	• (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIRECT	PROJECT CO	STS			Transit		
		INITIAL COSTS		SUBSEQUE	NT COSTS]	Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./]	Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$1,957,500	\$0	\$0					\$7,000,000	\$7,000,000
2									0
3									0
4								0	0
5								0	0
6								0	0
7							*****	0	0
8								0	0
Project O	pen								
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
								0	0
8				****				0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
10								0	0
17								0	0
18								0	0
10				***************************************			******	0	0
20								0	0
Total	\$1,957,500	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000,000	\$7,000,000

3		INVESTMENT ANALYSIS SUMMARY RESULTS				
			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$7.0	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$27.0	Travel Time Savings	\$18.6	\$6.1	\$24.8	\$1.2
Net Present Value (mil. \$)	\$20.0	Veh. Op. Cost Savings	\$0.6	\$0.4	\$1.0	\$0.0
		Accident Cost Savings	\$0.6	\$0.1	\$0.8	\$0.0
Benefit / Cost Ratio:	3.9	Emission Cost Savings	\$0.1	\$0.4	\$0.5	\$0.0
		TOTAL BENEFITS	\$20.0	\$7.0	\$27.0	\$1.3
Rate of Return on Investment:	16.7%	Person-Hours of Time Saved			4,909,227	245,461
Payback Period:	12 years					
Should benefit-cost results ind	:lude:		Tor	<u>15</u>	Value (r	<u>nil. \$)</u>
Should benefit-cost results inc	clude:		<u>Tor</u> Total Over	<u>ns</u> Average	<u>Value (r</u> Total Over	<u>nil. \$)</u> Average
Should benefit-cost results inc 1) Induced Travel? (y/n)	:lude: Y	EMISSIONS REDUCTION	<u>Tor</u> Total Over 20 Years	<u>ns</u> Average Annual	<u>Value (r</u> Total Over 20 Years	<u>nil. \$)</u> Average Annual
Should benefit-cost results ind 1) Induced Travel? (y/n)	Slude: Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved	Total Over 20 Years 35	ns Average Annual 2	Value (r Total Over 20 Years \$0.0	<u>mil. \$)</u> Average Annual \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n	Clude: Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	Total Over 20 Years 35 11,782	15 Average Annual 2 589	Value (r Total Over 20 Years \$0.0 \$0.2	nil.\$) Average Annual \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/r	Clude: Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _x Emissions Saved	Total Over 20 Years 35 11,782 48	Average Annual 2 589 2	Value (r Total Over 20 Years \$0.0 \$0.2 \$0.3	nii. \$) Average Annual \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n)	Clude: Y Default = Y Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	Total Over 20 Years 35 11,782 48 0	Average Annual 2 589 2 0	Value (r Total Over 20 Years \$0.0 \$0.2 \$0.3 \$0.0	nii. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n 3) Accident Costs? (y/n)	Default = Y V Default = Y Y Default = Y V Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved	Total Over 20 Years 35 11,782 48 0 0	Average Annual 2 589 2 0 0	Value (r Total Over 20 Years \$0.0 \$0.2 \$0.3 \$0.0	nii. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n)	Pefault = Y Pefault = Y Y Default = Y Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _x Emissions Saved	Total Over 20 Years 35 11,782 48 0 0 0	Average Annual 2 589 2 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.2 \$0.3 \$0.0 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n) includes value for CO ₂ e	Clude: Y Default = Y Y Default = Y Y Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved VOC Emissions Saved	Total Over 20 Years 35 11,782 48 0 0 0 0 0	Average Annual 2 589 2 0 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.2 \$0.3 \$0.0 \$0.0 \$0.0 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0

I-80 EB McCarran Blvd. to Vista Blvd. (Widen to 3-lanes)

T DATA
Consered Highway
Cal., or 3 for rural) 2
2 years 1 enter 1 or 2
Current 2 hours

IB HIGHWAY DESIGN AND TRAF	FIC DA	ТА
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	2	3
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	2	
Exclusive ROW for Buses (y/n)	N	
Highway Free-Flow Speed	65	65
Ramp Design Speed (if aux. lane/off-ramp proj.)	0	0
Length (in miles) Highway Segment	2.1	2.1
Impacted Length	2.1	2.1
Average Daily Traffic		
Current	48,000	
	No Build	Build
Base (Year 1)	51,475	51,475
Forecast (Year 20)	84,485	84,485
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	25.0%	25.0%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	55	
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	1706	1685
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
Quoue Eermation (Equation or grade gradeing project)	Vear 1	Vear 20
Arrival Pate (in vehicles per bour)	Λ	0
Anival Rate (in vehicles per hour)	0	0
Departure Rate (in venicles per hour)	0	U
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Build	Build
General Traffic Non-Peak	1.74	1.74
Peak	1.74	1.74

Actual 3-Year Accident Data (from Table B)		
	Count (No.)	Rate
Total Accidents (Tot)	74	0.67
Fatal Accidents (Fat)	0	0.000
Injury Accidents (Inj)	33	0.30
Property Damage Only (PDO) Accidents	51	0.46

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Percent Trips dui	ring Peak Perio	d	17%	
Percent New Trip	os from Parallel	Highway		100%
Annual Vehicle-N	Ailes		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Average Vehicles	s/Train (if rail proj	ect)	0	0
Vorago Transit	Travel Time		No Build	Build
Average Transit	Travel Time		No Build	Build
In-Vehicle	Non-Peak (in m	inutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Out-of-Vehicle	Non-Peak (in m	inutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Highway Grade (Crossina	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Dowr	n Time (in min.)	0.0	0.0	0.0
-			•	
Transit Agency C	osts (if TMS proj	ect)	No Build	Build
Annual Capital E	Expenditure		\$0	\$0
•				***************************************

(1E)		I	PROJECT C	OSTS (ente	er costs in	thousand	s of dollar	s)	
Col. no.	• (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIRECT	F PROJECT CO	STS			Transit		
		INITIAL COSTS	5	SUBSEQUE	INT COSTS]	Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Ор.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period			-		1 3			
1	\$500,000	\$0	\$0					\$10,000,000	\$10,000,000
2	500,000							10,000,000	9,345,794
3									0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
Project O	pen					1 3			
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
10								0	0
14								0	0
10								0	0
17								0	0
18								0	0
19								0	0
20								0	0
Total	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000,000	\$19,345,794

3		INVESTMENT ANALYSIS SUMMARY RESULTS				
			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$19.3	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$72.9	Travel Time Savings	\$47.9	\$10.9	\$58.8	\$2.9
Net Present Value (mil. \$)	\$53.5	Veh. Op. Cost Savings	\$1.8	\$0.5	\$2.4	\$0.1
		Accident Cost Savings	\$9.0	\$1.7	\$10.7	\$0.5
Benefit / Cost Ratio:	3.8	Emission Cost Savings	\$0.3	\$0.7	\$1.0	\$0.1
		TOTAL BENEFITS	\$59.0	\$13.9	\$72.9	\$3.6
Rate of Return on Investment:	18.8%	Person-Hours of Time Saved			#######	587,027
Payback Fellou.	o years					
Should benefit-cost results ind	clude:		Tor	<u>15</u>	Value (r	nil. \$)
Should benefit-cost results ind	:lude:		<u>Tor</u> Total Over	<u>ns</u> Average	<u>Value (r</u> Total Over	<u>nil. \$)</u> Average
Should benefit-cost results inc 1) Induced Travel? (y/n)	:lude: Y	EMISSIONS REDUCTION	<u>Tor</u> Total Over 20 Years	<u>ns</u> Average Annual	<u>Value (r</u> Total Over 20 Years	<u>mil. \$)</u> Average Annual
Should benefit-cost results ind 1) Induced Travel? (y/n)	Slude: Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved	Total Over 20 Years 74	ns Average Annual 4	Value (r Total Over 20 Years \$0.0	<u>mil. \$)</u> Average Annual \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/r	Clude: Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	Total Over 20 Years 74 29,946	Average Annual 4 1,497	Value (r Total Over 20 Years \$0.0 \$0.5	nil. \$) Average Annual \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/r	Clude: Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO ₄ Emissions Saved	Total Over 20 Years 74 29,946 89	Average Annual 4 1,497 4	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.5	nii. \$) Average Annual \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n)	Clude: Y Default = Y Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	Total Over 20 Years 29,946 89 0	Average Annual 1,497 4 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.5 \$0.5	nii. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n 3) Accident Costs? (y/n)	Clude: Y Default = Y Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM ₂₅ Emissions Saved	Total Over 20 Years 74 29,946 89 0	Average Annual 4 1,497 4 0 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.5 \$0.5 \$0.0	nii. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n)	Clude: Y Default = Y Y Default = Y Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _x Emissions Saved	Total Over 20 Years 74 29,946 89 0 0 0	Average Annual 4 1,497 4 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.5 \$0.0 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n) includes value for CO ₂ e	Clude: Y Default = Y Y Default = Y Y Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved VOC Emissions Saved	Total Over 20 Years 74 29,946 89 0 0 0 0 8 8	Average Annual 4 1,497 4 0 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.5 \$0.0 \$0.0 \$0.0 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
IAPRO	JECT DATA					
-------------------------------------------	----------------------------------------------					
Type of Project	Check percent traffic in weave in section 1B					
Select project type from list	Off-Ramp Widening					
Project Location (enter 1 for So. Cal., 2	? for No. Cal., or 3 for rural)					
Length of Construction Period	2 years					
One- or Two-Way Data	2 enter 1 or 2					
Length of Peak Period(s) (up to 2	4 hrs) 2 hours					

IB HIGHWAY DESIGN AND TRAI	FFIC DA	ТА
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	1	2
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	65	65
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	1.0	1.0
Impacted Length	0.3	0.3
Average Daily Traffic		
Current	37 500	
Current	No Build	Build
Base (Year 1)	41,339	41,339
Forecast (Year 20)	77.810	77.810
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	2.5%	2.5%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	50	
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux Jane/on-ramp proi	206	163
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)	200	100
metering cirategy (1, 2, 0, 01 D, ir on ramp proj.)		8
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Forecast (Year 20)	No Decid	Desited
Forecast (Year 20) Average Vehicle Occupancy (AVO) General Traffic Non-Peak	No Build	Build
Forecast (Year 20) Average Vehicle Occupancy (AVO) General Traffic Non-Peak Peak	No Build 1.74 1 74	Build 1.74 1 74

Actual 3-Year Accident Data (from Table B)		
	Count (No.)	Rate
Total Accidents (Tot)	5	0.12
Fatal Accidents (Fat)	0	0.000
Injury Accidents (Inj)	0	0.00
Property Damage Only (PDO) Accidents	5	0.12

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.3%	0.3%
Percent Injury Accidents (Pct Inj)	34.7%	34.7%

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	[.] 20)	0	0
Percent Trips dui	ring Peak Perio	od	17%	
Percent New Trip	s from Parallel	l Highway		100%
Annual Vehicle-N	liles		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Average Vehicles	s/Train (if rail proj	iect)	0	0
Nurago Transit	Travel Time		No Build	Build
Average Transit	Travel Time		No Build	Build
In-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Out-of-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Highway Grade C	Crossing	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Dowr	n Time (in min.)	0.0	0.0	0.0
Transit Agency C	osts (if TMS proj	ect)	No Build	Build
Annual Capital E	Expenditure		\$0	\$0
Annual One and	d Maintenance Ex	penditure	\$0	\$0

(1E)	PROJECT COSTS (enter costs in thousands of dollars)								
Col. no.	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIRECT	F PROJECT CO	STS			Transit		
		INITIAL COSTS)	SUBSEQUE	NT COSTS]	Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$1,250,000	\$0	\$0					\$12,500,000	\$12,500,000
2	1,250,000	0	0					12,500,000	11,682,243
3								0	0
4								0	0
5								0	0
6								0	0
							******	0	0
8 Ducie et O						ļi		0	0
Project U	pen			-		1		0.2	0.2
								م و	
2 3							*****	0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
17								0	0
18								0	0
19								0	0
20								0	0
Total	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$25,000,000	\$24,182,243

3		INVESTMENT ANALYSIS SUMMARY RESULTS				
			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$24.2	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$73.7	Travel Time Savings	\$55.5	\$14.4	\$69.9	\$3.5
Net Present Value (mil. \$)	\$49.5	Veh. Op. Cost Savings	\$1.9	\$0.6	\$2.6	\$0.1
		Accident Cost Savings	\$0.1	\$0.0	\$0.1	\$0.0
Benefit / Cost Ratio:	3.0	Emission Cost Savings	\$0.4	\$0.7	\$1.2	\$0.1
		TOTAL BENEFITS	\$58.0	\$15.8	\$73.7	\$3.7
Rate of Return on Investment: Payback Period:	19.1% 7 years	Person-Hours of Time Saved			#######	583,937
Should benefit-cost results inc	clude:		<u>To</u>	<u>ns</u>	Value (I	<u>mil. \$)</u>
			Total Over	Average	Total Over	Average
1) Induced Travel? (y/n)	Y	EMISSIONS REDUCTION	20 Years	Annual	20 Years	Annual
	Default = Y	CO Emissions Saved	79	4	\$0.0	\$0.0
2) Vehicle Operating Costs? (y/	Y	CO ₂ Emissions Saved	30,402	1,520	\$0.6	\$0.0
	Default = Y	NO _X Emissions Saved	82	4	\$0.5	\$0.0
3) Accident Costs? (y/n)	Y	PM ₁₀ Emissions Saved	0	0	\$0.0	\$0.0
	Default = Y	PM _{2.5} Emissions Saved	0	0		
4) Vehicle Emissions? (y/n)	Y	SO _x Emissions Saved	0	0	\$0.0	\$0.0
	10000000000000000000000000000000000000		_		<u> </u>	
includes value for CO ₂ e	Default = Y	VOC Emissions Saved	9	0	\$0.0	\$0.0

I-80 McCarran Interchange

IAPROJ	JECT DATA
Type of Project	Check percent traffic in weave in section 1B
Select project type from list	Off-Ramp Widening
Project Location (enter 1 for So. Cal., 2	for No. Cal., or 3 for rural)
Length of Construction Period	2 years
One- or Two-Way Data	2 enter 1 or 2
Length of Peak Period(s) (up to 24	4 hrs) 2 hours

٦İ.

IB HIGHWAY DESIGN AND TRA	FFIC DA	ГА
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	2	3
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	65	65
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	1.2	1.2
Impacted Length	0.3	0.3
Average Daily Traffic		_
	94 000	
Ourent	No Build	Build
Base (Year 1)	96 952	96 952
Forecast (Year 20)	125.000	125,000
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	2.5%	2.5%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	50	
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	1706	1685
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Build	Build
General Traffic Non-Peak	1 74	1 74
Peak	1.74	1.74
High Occupancy Vehicle (if HOV/HOT lanes)	2.15	2.15

Actual 3-Year Accident Data (from Table B)		
	Count (No.)	Rate
Total Accidents (Tot)	171	1.66
Fatal Accidents (Fat)	0	0.000
Injury Accidents (Inj)	64	0.62
Property Damage Only (PDO) Accidents	107	1.04

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Percent Trips dur	ring Peak Perio	d	17%	
Percent New Trip	s from Parallel	Highway		100%
Annual Vehicle-N	liles		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Average Vehicles	5/Train (if rail proj	ect)	0	0
		500)		
Average Transit	Travel Time		No Build	Build
In-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Out-of-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Highway Grade C	crossing	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Down	0.0	0.0		
Transit Agency C	osts (if TMS proj	ect)	No Build	Build
Annual Capital E	xpenditure		\$0	\$0
Annual Ops and	50	50		

1E	PROJECT COSTS (enter costs in thousands of dollars)								
Col. no.	F (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIRECT	PROJECT CO	STS			Transit		
		INITIAL COSTS	5	SUBSEQUE	ENT COSTS		Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$1,000,000	\$2,500,000	\$0					\$18,961,500	\$18,961,500
2	1,000,000	2,500,000						18,961,500	17,721,028
3									0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
Project O	pen				*				
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
17								0	0
10								0	0
10				***************************************				0	0
20								0	0
Total	\$2,000,000	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$37,923,000	\$36,682,528

			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$36.7	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$71.0	Travel Time Savings	\$42.8	\$9.9	\$52.7	\$2.6
Net Present Value (mil. \$)	\$34.3	Veh. Op. Cost Savings	\$0.0	\$0.1	\$0.1	\$0.0
		Accident Cost Savings	\$15.0	\$2.9	\$17.9	\$0.9
Benefit / Cost Ratio:	1.9	Emission Cost Savings	\$0.0	\$0.3	\$0.3	\$0.0
		TOTAL BENEFITS	\$57.9	\$13.2	\$71.0	\$3.6
Rate of Return on Investment:	16.7%	Person-Hours of Time Saved		[6 880 325	344.016
		reison-nouis or rime Saveu			0,000,323	JTT,UIC
Payback Period:	6 years				0,000,3231	344,010
Payback Period:	6 years				0,000,3231	344,010
Payback Period: Should benefit-cost results inc	6 years		Tor	<u></u>	<u>Value (r</u>	<u>nil. \$)</u>
Payback Period: Should benefit-cost results inc	6 years		<u>Tor</u> Total Over	<u>is</u> Average	Value (r Total Over	nil. \$) Average
Payback Period: hould benefit-cost results ind	6 years	EMISSIONS REDUCTION	<u>Tor</u> Total Over 20 Years	<u>is</u> Average Annual	Value (r Total Over 20 Years	nil. \$) Average Annual
Payback Period: hould benefit-cost results ind 1) Induced Travel? (y/n)	6 years	EMISSIONS REDUCTION CO Emissions Saved	Total Over 20 Years 37	<u>IS</u> Average Annual 2	Value (r Total Over 20 Years \$0.0	nil. \$) Average Annual \$0.0
Payback Period: hould benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/	6 years	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	Total Over 20 Years 37 5,414	Average Annual 2 271	Value (r Total Over 20 Years \$0.0 \$0.1	nil. \$) Average Annual \$0.(\$0.0
Payback Period: <i>hould benefit-cost results inc</i> 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/	6 years	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _x Emissions Saved	Total Over 20 Years 37 5,414 19	Average Annual 2 271 1	Value (r Total Over 20 Years \$0.0 \$0.1 \$0.2	nii. \$) Average Annual \$0.0 \$0.0 \$0.0
Payback Period: hould benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/ 3) Accident Costs? (y/n)	6 years	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	Total Over 20 Years 37 5,414 19 0	Average Annual 271 1 0	Value (r Total Over 20 Years \$0.0 \$0.1 \$0.2 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 \$0.0
Payback Period: hould benefit-cost results inc 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/ 3) Accident Costs? (y/n)	6 years	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM ₂₅ Emissions Saved	Total Over 20 Years 37 5,414 19 0 0	Average Annual 271 271 0 0	Value (r Total Over 20 Years \$0.0 \$0.1 \$0.2 \$0.0	nil. \$) Average Annual \$0.(\$0.(\$0.(\$0.(
Payback Period: hould benefit-cost results inc 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/ 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n)	6 years	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _x Emissions Saved	Total Over 20 Years 37 5,414 19 0 0 0	Average Annual 271 271 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.1 \$0.2 \$0.0 \$0.0	nil. \$) Average Annual \$0.(\$0.(\$0.(\$0.(

I-80 McCarran Blvd to Sparks Blvd (EB Aux Lanes)

IAPRC	JECT DATA
Type of Project	Enter ramp design speed & on-ramp volume
Select project type from list	Auxiliary Lane
Project Location (enter 1 for So. Cal.,	2 for No. Cal., or 3 for rural)
Length of Construction Period	1 years
One- or Two-Way Data	1 enter 1 or 2
Length of Peak Period(s) (up to 2	Current 24 hrs) 2 hours

1B HIGHWAY DESIGN AND TRAFFIC DATA						
Highway Design	No Build	Build				
Roadway Type (Fwy, Exp, Conv Hwy)	F	F				
Number of General Traffic Lanes	2	3				
Number of HOV/HOT Lanes	0	0				
HOV Restriction (2 or 3)	0					
Exclusive ROW for Buses (y/n)	N					
Highway Free-Flow Speed	65	65				
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45				
Length (in miles) Highway Segment	0.8	0.8				
Impacted Length	0.3	0.3				
Avorago Daily Traffic						
Current	38,000					
	No Build	Build				
Base (Year 1)	38,724	38,724				
Forecast (Year 20)	52,477	52,477				
Average Hourly HOV/HOT Lane Traffic	0	0				
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%				
Percent Traffic in Weave	2.5%	2.5%				
Percent Trucks (include RVs, if applicable)	16%	16%				
Truck Speed	52					
On-Ramp Volume	Peak	Non-Peak				
Hourly Ramp Volume (if aux Jane/on-ramp proi	2159	1655				
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)	2100	1000				
		N/- 00				
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20				
Arrival Rate (in venicles per nour)	0	0				
Departure Rate (in vehicles per hour)	U	U				
Pavement Condition (if pavement project)	No Build	Build				
IRI (inches/mile) Base (Year 1)						
Forecast (Year 20)						
Average Vehicle Occupancy (AVO)	No Puild	Duild				
General Traffic Non-Peak	1 74	1 74				
	1 74	1 74				

Actual 3-Year Accident Data (from Table B)						
	Count (No.)	Rate				
Total Accidents (Tot)	61	1.83				
Fatal Accidents (Fat)	0	0.000				
Injury Accidents (Inj)	19	0.57				
Property Damage Only (PDO) Accidents	49	1.47				

Statewide Basic Average Accident Rate							
	No Build	Build					
Rate Group	Interstate	Interstate					
Accident Rate (per million vehicle-miles)	2.07	2.07					
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%					
Percent Injury Accidents (Pct Inj)	71.0%	71.0%					

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Percent Trips dui	ring Peak Perio	d	17%	
Percent New Trip	s from Parallel	Highway		100%
Annual Vehicle-N	liles		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Average Vehicles	/Train (if rail proje	ect)	0	0
Verage Transit	Travel Time		No Build	Build
Average Transit	Travel Time		No Build	Build
In-Vehicle	Non-Peak (in m	inutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Out-of-Vehicle	Non-Peak (in m	inutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Highway Grade C	rossing	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Down	Time (in min.)	0.0	0.0	0.0
Transit Agency C	osts (if TMS proje	ect)	No Build	Build
Annual Capital E	Expenditure		\$0	\$0
	02	0.2		

1E	PROJECT COSTS (enter costs in thousands of dollars)									
Col. no.	(1)	(2)	(3)	(4)	(5)	(6)	(7)			
		DIRECT	F PROJECT CO	STS			Transit			
		INITIAL COSTS	5	SUBSEQUE	INT COSTS		Agency	TOTAL COST	S (in dollars)	
Year	Project			Maint./			Cost	Constant	Present	
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value	
Constructi	ion Period									
1	\$0	\$0	\$1,400,000					\$14,000,000	\$14,000,000	
2								0	0	
3								0	0	
4								0	0	
5								0	0	
6								0	0	
7								0	0	
8								0	0	
Project O	pen									
1								\$0	\$0	
2								0	0	
3								0	0	
4								0	0	
5								0	0	
6								0	0	
7								0	0	
8								0	0	
9								0	0	
10								0	0	
11								0	0	
12								0	0	
13								0	0	
14								0	0	
15								0	0	
16								0	0	
17								0	0	
18								0	0	
19								0	0	
20								0	0	
Total	\$0	\$0	\$1,400,000	\$0	\$0	\$0	\$0	\$14,000,000	\$14,000,000	

3		II	NVESTMENT ANALYSIS SUMMARY RESULTS				
		1 [Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$14.0		ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$36.3		Travel Time Savings	\$26.5	\$3.7	\$30.2	\$1.5
Net Present Value (mil. \$)	\$22.3		Veh. Op. Cost Savings	\$1.2	\$0.3	\$1.5	\$0.1
			Accident Cost Savings	\$3.8	\$0.3	\$4.1	\$0.2
Benefit / Cost Ratio:	2.6		Emission Cost Savings	\$0.3	\$0.2	\$0.5	\$0.0
			TOTAL BENEFITS	\$31.7	\$4.6	\$36.3	\$1.8
Rate of Return on Investment: Payback Period:	20.0% 6 years		Person-Hours of Time Saved			4,494,180	224,709
Should benefit-cost results inc	lude:			Tor	<u>15</u>	<u>Value (r</u>	<u>nil. \$)</u>
				Total Over	Average	Total Over	Average
1) Induced Travel? (y/n)	Y		EMISSIONS REDUCTION	20 Years	Annual	20 Years	Annual
	Default = Y		CO Emissions Saved	28	1	\$0.0	\$0.0
2) Vehicle Operating Costs? (y/	Y		CO ₂ Emissions Saved	12,365	618	\$0.3	\$0.0
	Default = Y		NO _X Emissions Saved	20	1	\$0.2	\$0.0
3) Accident Costs? (y/n)	Y		PM ₁₀ Emissions Saved	0	0	\$0.0	\$0.0
	Default = Y		PM _{2.5} Emissions Saved	0	0		
				1	1		
4) Vehicle Emissions? (y/n)	Y		SO _x Emissions Saved	0	0	\$0.0	\$0.0
4) Vehicle Emissions? (y/n) includes value for CO ₂ e	Y Default = Y		SO _X Emissions Saved VOC Emissions Saved	0	0 0	\$0.0 \$0.0	\$0.0 \$0.0

I-80 McCarran Blvd to Sparks Blvd (WB Aux Lanes)

1A PROJ	JECT DATA
Type of Project	Enter ramp design speed & on-ramp volume
Select project type from list	Auxiliary Lane
Project Location (enter 1 for So. Cal., 2 f	for No. Cal., or 3 for rural)
Length of Construction Period	1 years
One- or Two-Way Data	1 enter 1 or 2
Length of Peak Period(s) (up to 24	Current thrs) 2 hours

Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	2	3
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	65	65
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	0.8	0.8
Impacted Length	0.3	0.3
Current	38,000	
	No Build	Build
Base (Year 1)	38,724	38,724
Forecast (Year 20)	52,477	52,477
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	2.5%	2.5%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	52	
	Deels	New Deek
Un-Ramp volume	Peak	Non-Peak
Houring Strategy (1, 2, 2, or D, if on ramp proj.)	2144	1007
Metering Strategy (1, 2, 3, 61 D, 11 61-1 amp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Build	Build
General Traffic Non-Peak	1.74	1.74
Dook	1 74	1 74
r eak	1./ 7	1.1 T

Actual 3-Year Accident Data (from Table B)						
	Count (No.)	Rate				
Total Accidents (Tot)	62	1.86				
Fatal Accidents (Fat)	0	0.000				
Injury Accidents (Inj)	16	0.48				
Property Damage Only (PDO) Accidents	49	1.47				

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips	No Build	Build
	Base (Year 1)	0	0
	Forecast (Year 20)	0	0
Percent Trips dur	ring Peak Period	17%	
Percent New Trip	s from Parallel Highway		100%
Annual Vehicle-M	<i>liles</i>	No Build	Build
	Base (Year 1)	0	0
	Forecast (Year 20)	0	0
Verage Vehicles	s/Train (if rail project)	0	0
verage Transit	Travel Time	No Build	Duild
in orago manon		itto Dalla	Dullu
In-Vehicle	Non-Peak (in minutes)	0.0	0.0
In-Vehicle	Non-Peak (in minutes) Peak (in minutes)	0.0	0.0
In-Vehicle Out-of-Vehicle	Non-Peak (in minutes) Peak (in minutes) Non-Peak (in minutes)	0.0 0.0 0.0	0.0 0.0 0.0
In-Vehicle Out-of-Vehicle	Non-Peak (in minutes) Peak (in minutes) Non-Peak (in minutes) Peak (in minutes)	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0
In-Vehicle Out-of-Vehicle	Non-Peak (in minutes) Peak (in minutes) Non-Peak (in minutes) Peak (in minutes)	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0
In-Vehicle Out-of-Vehicle	Non-Peak (in minutes) Peak (in minutes) Non-Peak (in minutes) Peak (in minutes)	0.0 0.0 0.0 0.0 Year 1	0.0 0.0 0.0 0.0 0.0 <u>Vear 20</u>
In-Vehicle Out-of-Vehicle	Non-Peak (in minutes)Peak (in minutes)Non-Peak (in minutes)Peak (in minutes)CrossingCurrentof Trains	0.0 0.0 0.0 0.0 0.0 Year 1 0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 Vear 20 0
In-Vehicle Out-of-Vehicle Iighway Grade C Annual Number Avg. Gate Dowr	Non-Peak (in minutes)Peak (in minutes)Non-Peak (in minutes)Peak (in minutes)Peak (in minutes)CrossingCurrentof Trains0Time (in min.)0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
In-Vehicle Out-of-Vehicle Iighway Grade C Annual Number Avg. Gate Dowr	Non-Peak (in minutes)Peak (in minutes)Non-Peak (in minutes)Peak (in minutes)Peak (in minutes)CrossingCurrentof Trains0Time (in min.)0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
In-Vehicle Out-of-Vehicle Iighway Grade C Annual Number Avg. Gate Down	Non-Peak (in minutes) Peak (in minutes) Non-Peak (in minutes) Peak (in minutes) Peak (in minutes) Cossing Current of Trains 0 Time (in min.) 0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 No Build \$0	Build 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

1E		PROJECT COSTS (enter costs in thousands of dollars)								
Col. no.	(1)	(2)	(3)	(4)	(5)	(6)	(7)			
		DIREC	F PROJECT CO	STS			Transit			
		INITIAL COSTS	5	SUBSEQUE	ENT COSTS	1	Agency	TOTAL COST	S (in dollars)	
Year	Project			Maint./			Cost	Constant	Present	
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value	
Construct	ion Period									
1	\$0	\$0	\$1,400,000					\$14,000,000	\$14,000,000	
2								0	0	
3								0	0	
4								0	0	
5								0	0	
6								0	0	
7								0	0	
8								0	0	
Project O	pen				8	•				
1								\$0	\$0	
2				********				0	0	
3								0	0	
4				******				0	0	
5								0	0	
6								0	0	
7								0	0	
8								0	0	
9								0	0	
10								0	0	
11								0	0	
12								0	0	
13								0	0	
14								0	0	
15								0	0	
10								0	0	
1/								0	0	
10								0	0	
19								0	0	
20 Total	* 0	¢0	¢1 400 000	¢0	¢0.	¢0	<u></u>	0 \$14,000,000	0 \$14,000,000	
Total	\$0	\$0	\$1,400,000	\$0	\$0	\$0	\$0	\$14,000,000	\$14,000,000	



I-80 Patrick Interchange

TA PRO	JECT DATA
Type of Project	Check percent traffic in weave in section 1B
Select project type from list	Off-Ramp Widening
Project Location (enter 1 for So. Cal., 2	for No. Cal., or 3 for rural)
Length of Construction Period	2 years
One- or Two-Way Data	enter 1 or 2
Length of Peak Period(s) (up to 24	4 hrs) 2 hours

Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	1	2
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	65	65
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	1.2	1.2
Impacted Length	0.3	0.3
Current	30,000	
*	No Build	Build
Base (Year 1)	34,488	34,488
Forecast (Year 20)	77,125	77,125
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	2.5%	2.5%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	50	
Оп-катр Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	217	136
ivietering strategy (1, 2, 3, or D, it on-ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
	No Build	Build
Average Vehicle Occupancy (AVO)		
Average Vehicle Occupancy (AVO) General Traffic Non-Peak	1.74	1.74
Average Vehicle Occupancy (AVO) General Traffic Non-Peak Peak	1.74	1.74 1.74

Actual 3-Year Accident Data (from Table B)						
	Count (No.)	Rate				
Total Accidents (Tot)	5	0.15				
Fatal Accidents (Fat)	0	0.000				
Injury Accidents (Inj)	5	0.15				
Property Damage Only (PDO) Accidents	0	0.00				

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	⁻ 20)	0	0
Percent Trips dur	ring Peak Perio	od	17%	
Percent New Trip	s from Paralle	l Highway		100%
Annual Vehicle-N	liles		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	⁻ 20)	0	0
Average Vehicles	/Train (if rail pro	iect)	0	0
Percent Reduct	ion (if safety proj	ect)	0%	
Average Transit	Travel Time		No Build	Build
In-Vehicle	Non-Peak (in n	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Out-ot-venicle	Non-Peak (In n	ninutes)	0.0	0.0
		55)	0.0	0.0
Highway Grade C	rossing	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Down	Time (in min.)	0.0	0.0	0.0
Transit Agency C	osts (if TMS proj	ect)	No Build	Build
Annual Capital E	Expenditure		\$0	\$0
Annual Ops. and	d Maintenance Ex	xpenditure	\$0	\$0

(1E)		I	PROJECT C	OSTS (ente	er costs in	thousand	s of dollar	s)	
Col. no.	F (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIRECT	F PROJECT CO	STS			Transit		
	INITIAL COSTS		;	SUBSEQUE	INT COSTS]	Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R / W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$0	\$0	\$1,250,000	r				\$12,500,000	\$12,500,000
2	0	0	1,250,000					12,500,000	11,682,243
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
Project O	pen					1 3			
1								\$0	\$0
2								0	0
3								0	0
4				******				0	0
5								0	0
0				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				0	0
/								0	0
								0	0
								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
17								0	0
18								0	0
19								0	0
20								0	0
Total	\$0	\$0	\$2,500,000	\$0	\$0	\$0	\$0	\$25,000,000	\$24,182,243

3		INVESTMENT ANALYSIS SUMMARY RESULTS				
			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$24.2	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$55.8	Travel Time Savings	\$40.5	\$10.4	\$50.9	\$2.5
Net Present Value (mil. \$)	\$31.6	Veh. Op. Cost Savings	\$1.6	\$0.5	\$2.1	\$0.1
		Accident Cost Savings	\$1.5	\$0.3	\$1.8	\$0.1
Benefit / Cost Ratio:	2.3	Emission Cost Savings	\$0.3	\$0.6	\$0.9	\$0.0
		TOTAL BENEFITS	\$44.0	\$11.8	\$55.8	\$2.8
Rate of Return on Investment:	15.0%	Person-Hours of Time Saved			8,751,426	437,571
Fayback Feriod.	o yearo					
Should benefit-cost results inc	lude:		Tor	<u>15</u>	Value (r	<u>mil. \$)</u>
Should benefit-cost results inc	lude:		<u>Tor</u> Total Over	<u>ıs</u> Average	<u>Value (r</u> Total Over	<u>mil. \$)</u> Average
Should benefit-cost results inc 1) Induced Travel? (y/n)	lude:	EMISSIONS REDUCTION	<u>Tor</u> Total Over 20 Years	<u>ns</u> Average Annual	<u>Value (r</u> Total Over 20 Years	<u>mil. \$)</u> Average Annual
Should benefit-cost results inc 1) Induced Travel? (y/n)	ilude: Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved	Total Over 20 Years 64	<u>IS</u> Average Annual 3	Value (r Total Over 20 Years \$0.0	<u>mil. \$)</u> Average Annual \$0.0
Payback Period. Should benefit-cost results inc 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n)	Peters Peters Peters Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	Total Over 20 Years 64 24,598	Nerage Average Annual 3 1,230	Value (r Total Over 20 Years \$0.0 \$0.5	mil. \$) Average Annual \$0.0 \$0.0
Payback Period. Should benefit-cost results inc 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/g)	Default = Y Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved	Total Over 20 Years 64 24,598 67	Nerage Average Annual 3 1,230 3	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.4	mil. \$) Average Annual \$0.0 \$0.0 \$0.0
Payback Period. Should benefit-cost results inc 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/l) 3) Accident Costs? (y/n)	Pefault = Y Y Default = Y Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	Total Over 20 Years 64 24,598 67 0	Nerage Average Annual 3 1,230 3 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.4 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Payback Period. Should benefit-cost results inc 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/l) 3) Accident Costs? (y/n)	Default = Y Pefault = Y Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved	Total Over 20 Years 64 24,598 67 0 0	Note the second	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.4 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Payback Period. Should benefit-cost results inc 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/l) 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n)	Y Default = Y Y Default = Y Y Default = Y Y Y Y Y Y Y Y Y Y Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _x Emissions Saved	Total Over 20 Years 64 24,598 67 0 0 0	S Average Annual 3 1,230 3 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.4 \$0.0 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
Payback Period. Should benefit-cost results inc 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/i 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n) includes value for CO2e	Default = Y Y Default = Y Y Default = Y Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved VOC Emissions Saved	Total Over 20 Years 64 24,598 67 0 0 0 0 0 0 7	Average Annual 3 1,230 3 0 0 0 0 0 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.4 \$0.0 \$0.0 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0

IAPROJECT	DATA
Type of Project	
Select project type from list	General Highway
Project Location (enter 1 for So. Cal., 2 for No.	Cal., or 3 for rural) 2
Length of Construction Period	2 years
One- or Two-Way Data	1 enter 1 or 2
Length of Peak Period(s) (up to 24 hrs)	Current 2 hours

Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	2	3
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	65	65
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	13.0	13.0
Impacted Length	13.0	13.0
Average Daily Traffic		
Current	48,000	
	No Build	Build
Base (Year 1)	51,475	51,475
Forecast (Year 20)	84,485	84,485
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	0.0%	0.0%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	55	
On-Ramp Volume	Peak	Non-Peak
Houriy Ramp Volume (if aux. lane/on-ramp proj.)	1986	1636
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
	No D. H.	D. TH
Average Vahiele Occurrences (AVO)	NO Ruild	Build
Average Vehicle Occupancy (AVO)	1 74	1 74
Average Vehicle Occupancy (AVO) General Traffic Non-Peak	1.74	1.74

Actual 3-Year Accident Data (from Table B)						
	Count (No.)	Rate				
Total Accidents (Tot)	32	0.05				
Fatal Accidents (Fat)	0	0.000				
Injury Accidents (Inj)	23	0.03				
Property Damage Only (PDO) Accidents	57	0.08				

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips	No Build	Build
	Base (Year 1)	0	0
	Forecast (Year 20)	0	0
Percent Trips dui	ring Peak Period	17%	
Percent New Trip	os from Parallel Highway	/	100%
Annual Vehicle-N	Ailes	No Build	Build
	Base (Year 1)	0	0
	Forecast (Year 20)	0	0
Average Vehicles	s/Train (if rail project)	0	0
Warago Transit	TravalTima	No Build	Build
Average Transit	I ravel I ime		Build
III-venicie	Non-Peak (in minutes)	0.0	0.0
Out-of-Vehicle	Non-Peak (in minutes)	0.0	0.0
	Peak (in minutes)	0.0	0.0
		0.0	0.0
lighway Grade C	Crossing Curren	t Year 1	Year 20
Annual Number	of Trains 0	0	0
	Time (in min) 00	0.0	0.0
Avg. Gate Dowr			
Avg. Gate Dowr			
Avg. Gate Dowr	Costs (if TMS project)	No Build	Build
Avg. Gate Dowr Transit Agency C Annual Capital E	Costs (if TMS project) Expenditure	No Build \$0	Build \$0

E			PROJECT C	OSTS (ent	er costs in t	thousands	of dollars)	
Cal.no.	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIRECT	T PROJECT CO	STS			Transit		
		NITIAL COSTS	5	SUBSEQU	ENT COSTS		Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	B/V	Construction	Ор.	Rehab.	Mitigation	Savings	Dollars	Value
Constru	ction Period			-					
1	\$5,000,000	\$0	\$0					\$112,500,000	\$112,500,000
2	5,000,000							112,500,000	105,140,187
3									0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
Project	Upen				:			to	
					•			\$U	\$U
								U	
								U	U
4								U	U
								U	U
ь								U	U
								U	U
								U	U
								U 0	U
								U 0	U
12								U 0	U
10								U 0	U
14									0
10								0	0
17									0
10								0	0
19									0
20								0	0
Total	\$10,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$225,000,000	\$217,640,187



Image: 1APRO.	JECT DATA
Type of Project	Check percent traffic in weave in section 1B
Select project type from list	Off-Ramp Widening
Project Location (enter 1 for So. Cal., 2	for No. Cal., or 3 for rural)
Length of Construction Period	2 years
One- or Two-Way Data	2 enter 1 or 2
Length of Peak Period(s) (up to 24	Current 1 hrs) 2 hours

IB HIGHWAY DESIGN AND TRAI	FFIC DA	ТА
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	1	2
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	65	65
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	1.2	1.2
Impacted Length	0.3	0.3
Auguana Daily Traffia		
	32 000	
Guneni	No Build	Build
Base (Vear 1)	36.083	36.083
Ecrocast (Vear 20)	74 860	74 860
Avorago Hourly HOV/HOT Lang Traffic	0	0 0
Percent of Induced Trins in HOV (if HOT or 2-to-	3 conv)	100%
Percent Traffic in Weave	25.0%	25.0%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	45	
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	620	421
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Payamont Condition (if payamont project)	No Ruild	Duild
Pavement Condition (if pavement project)	No Build	Build
Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1)	No Build	Build
Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20)	No Build	Build
Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20)	No Build	Build
Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20) Average Vehicle Occupancy (AVO) General Traffic Non-Peak	No Build	Build Build
Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20) Average Vehicle Occupancy (AVO) General Traffic Non-Peak Peak	No Build No Build 1.74	Build Build 1.74 1.74

Actual 3-Year Accident Data (from Table B)						
	Count (No.)	Rate				
Total Accidents (Tot)	2	0.06				
Fatal Accidents (Fat)	0	0.000				
Injury Accidents (Inj)	2	0.06				
Property Damage Only (PDO) Accidents	0	0.00				

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Percent Trips dur	ing Peak Perio	d	17%	
Percent New Trip	s from Parallel	Highway		100%
Annual Vehicle-N	liles		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Average Vehicles	/Train (if rail proj	ect)	0	0
verage Transit	Travel Time		No Build	Build
	Non Peak (in m	vinutes)		
	Peak (in minute	() ()	0.0	0.0
Out-of-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
			1 Y	
Highway Grade C	rossing	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Down	0.0	0.0		
Transit Agency C	osts (if TMS proj	ect)	No Build	Build
Annual Capital E	xpenditure		\$0	\$0
Annual Ops and	50	\$0		

(1E)			PROJECT C	OSTS (ente	er costs in	thousand	s of dollar	s)	
Col. no.	F (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIRECT	F PROJECT CO	STS			Transit		
		INITIAL COSTS	5	SUBSEQUE	ENT COSTS		Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R / W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$1,250,000	\$0	\$0	r				\$20,000,000	\$20,000,000
2	1,250,000							15,000,000	14,018,692
3									0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
Project O	pen				*			T	
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8				****				0	0
9								0	0
10				*****				0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
17								0	0
18								0	0
19								0	0
20	*** ****							0	0
Total	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$35,000,000	\$34,018,692

3		INVESTMENT ANALYSIS SUMMARY RESULTS				
			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$34.0	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$58.3	Travel Time Savings	\$43.8	\$11.0	\$54.8	\$2.7
Net Present Value (mil. \$)	\$24.3	Veh. Op. Cost Savings	\$1.5	\$0.5	\$1.9	\$0.1
		Accident Cost Savings	\$0.6	\$0.1	\$0.7	\$0.0
Benefit / Cost Ratio:	1.7	Emission Cost Savings	\$0.3	\$0.5	\$0.8	\$0.0
		TOTAL BENEFITS	\$46.2	\$12.1	\$58.3	\$2.9
Rate of Return on Investment:	12.5%	Person-Hours of Time Saved			8.714.442	435,722
Payback Period: 9	years					
Should benefit-cost results include	er		Tor	<u>15</u>	Value (r	<u>nil. \$)</u>
			Total Over	Average	Total Over	Average
1) Induced Travel? (y/n)	Y	EMISSIONS REDUCTION	20 Years	Annual	20 Years	Annual
Defa	ult = Y	CO Emissions Saved	60	3	\$0.0	\$0.0
2) Vehicle Operating Costs? (y/	Y	CO ₂ Emissions Saved	20,355	1,018	\$0.4	\$0.0
Defa	ult = Y	NO _x Emissions Saved	59	3	\$0.4	\$0.0
3) Accident Costs? (y/n)	Y	PM ₁₀ Emissions Saved	0	0	\$0.0	\$0.0
	ult = Y	PM _{2.5} Emissions Saved	0	0		
Defa		2.5	and a second s			
4) Vehicle Emissions? (y/n)	Y	SO _X Emissions Saved	0	0	\$0.0	\$0.0
4) Vehicle Emissions? (y/n) includes value for CO ₂ e	Y ult = Y	SO _X Emissions Saved VOC Emissions Saved	0 7	0 0	\$0.0 \$0.0	\$0.0 \$0.0

I-80 WB McCarran Blvd. to Vista Blvd. (Widen to 3-lanes)

1A PROJECT	PROJECT DATA						
Type of Project							
Select project type from list	General Highway						
Project Location (enter 1 for So. Cal., 2 for No.	Cal., or 3 for rural)						
Length of Construction Period	2 years						
One- or Two-Way Data	1 enter 1 or 2						
Length of Peak Period(s) (up to 24 hrs)	Current 2 hours						

IB HIGHWAY DESIGN AND TRAF	FIC DA	ГА
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	2	3
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	65	65
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	2.1	2.1
Impacted Length	2.1	2.1
Average Daily Traffic Current	48,000	
	No Build	Build
Base (Year 1)	51,475	51,475
Forecast (Year 20)	84,485	84,485
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	0.0%	0.0%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	55	
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	1986	1636
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Build	Build
	1.74	1.74
	2 15	1.74
right Occupancy vehicle (in no v/no names)	2.10	2.10

Actual 3-Year Accident Data (from Table B)		
	Count (No.)	Rate
Total Accidents (Tot)	73	0.66
Fatal Accidents (Fat)	1	0.009
Injury Accidents (Inj)	22	0.20
Property Damage Only (PDO) Accidents	57	0.52

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips		No Build	Build		
	Base (Year 1)					
	Forecast (Year	20)	0	0		
Percent Trips dui	ing Peak Perio	d	17%			
Percent New Trip	s from Parallel	Highway		100%		
Annual Vehicle-N	liles		No Build	Build		
	Base (Year 1)		0	0		
	Forecast (Year	20)	0	0		
Average Vehicles	/Train (if rail proje	ect)	0	0		
Average Transit	Travel Time		No Build	Build		
	Non Peak (in m	vinutes)				
	Peak (in minute		0.0	0.0		
Out-of-Vehicle	Non-Peak (in m	uinutes)	0.0	0.0		
	Peak (in minute	es)	0.0	0.0		
		-,		0.0		
Highway Grade C	rossing	Current	Year 1	Year 20		
Annual Number	of Trains	0	0	0		
Avg. Gate Dowr	Time (in min.)	0.0	0.0	0.0		
Transit Agency C	osts (if TMS proje	ect)	No Build	Build		
Annual Capital E	Expenditure		\$0	\$0		

(1E)	PROJECT COSTS (enter costs in thousands of dollars)								
Col. no.	• (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIRECT	PROJECT CO	STS			Transit		
		INITIAL COSTS		SUBSEQUE	INT COSTS]	Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Ор.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period			-		1 3			
1	\$500,000	\$0	\$0					\$10,000,000	\$10,000,000
2	500,000							10,000,000	9,345,794
3									0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
Project O	pen					1 3			
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
10								0	0
14								0	0
10								0	0
17								0	0
18								0	0
19								0	0
20								0	0
Total	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000,000	\$19,345,794

3		INVESTMENT ANALYSIS SUMMARY RESULTS				
			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$19.3	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$98.3	Travel Time Savings	\$53.6	\$12.5	\$66.1	\$3.3
Net Present Value (mil. \$)	\$79.0	Veh. Op. Cost Savings	\$1.8	\$0.5	\$2.3	\$0.1
		Accident Cost Savings	\$24.2	\$4.6	\$28.9	\$1.4
Benefit / Cost Ratio:	5.1	Emission Cost Savings	\$0.3	\$0.8	\$1.1	\$0.1
		TOTAL BENEFITS	\$79.9	\$18.4	\$98.3	\$4.9
Rate of Return on Investment: Payback Period:	24.1% 6 years	Person-Hours of Time Saved			########	655,542
Should benefit-cost results inc	clude:		<u>To</u>	ns	<u>Value (i</u>	mil. \$)
Should benefit-cost results inc	clude:		<u>To</u> Total Over	n <u>s</u> Average	<u>Value (i</u> Total Over	<u>mil. \$)</u> Average
Should benefit-cost results inc 1) Induced Travel? (y/n)	clude:	EMISSIONS REDUCTION	Total Over 20 Years	ns Average Annual	<u>Value (i</u> Total Over 20 Years	<u>mil. \$)</u> Average Annual
Should benefit-cost results ind 1) Induced Travel? (y/n)	Clude: Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved	Total Over 20 Years 89	ns Average Annual 4	Value (r Total Over 20 Years \$0.0	mil. <u>\$)</u> Average Annual \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/	Clude: Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	Total Over 20 Years 89 32,680	Average Annual 4 1,634	Value (r Total Over 20 Years \$0.0 \$0.5	mil.\$) Average Annual \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/	Clude: Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved	To: Total Over 20 Years 89 32,680 97	Average Annual 4 1,634 5	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.6	mil. \$) Average Annual \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n)	Clude: Y Default = Y Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	Total Over 20 Years 89 32,680 97 0	Average Annual 4 1,634 5 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.6 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n 3) Accident Costs? (y/n)	Clude: Y Default = Y Y Default = Y Pefault = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved	To: Total Over 20 Years 89 32,680 97 0 0	Average Annual 4 1,634 5 0 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.6 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n)	Clude: Y Default = Y Y Default = Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _x Emissions Saved	Total Over 20 Years 89 32,680 97 0 0 0 0 0 0	Average Annual 4 1,634 5 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.6 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n) includes value for CO ₂ e	Clude: Y Default = Y Y Default = Y Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved VOC Emissions Saved	To Total Over 20 Years 89 32,680 97 0 0 0 0 0 0 97	ns Average Annual 4 1,634 5 0 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.5 \$0.6 \$0.0 \$0.0 \$0.0	mil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.

La Posada

IAPROJEC	T DATA
Type of Project	Concerd Highway
Project Location (enter 1 for So. Cal., 2 for No	. Cal., or 3 for rural) 2
Length of Construction Period	3 years
One- or Two-Way Data	2 enter 1 or 2 Current
Length of Peak Period(s) (up to 24 hrs) 5 hours

IB HIGHWAY DESIGN AND TRAFFIC DATA						
Highway Design	No Build	Build				
Roadway Type (Fwy, Exp, Conv Hwy)	Е	С				
Number of General Traffic Lanes	4	2				
Number of HOV/HOT Lanes	0	0				
HOV Restriction (2 or 3)	0					
Exclusive ROW for Buses (y/n)	Ν					
Highway Free-Flow Speed	45	55				
Ramp Design Speed (if aux. lane/off-ramp proj.)	0	0				
Length (in miles) Highway Segment	20.0	16.7				
Impacted Length	20.0	16.7				
Average Daily Traffic						
Current	0					
Carronic	No Build	Build				
Base (Year 1)	9.514	9.514				
Forecast (Year 20)	12.843	12.843				
Average Hourly HOV/HOT Lane Traffic	0	0				
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	0%				
Percent Traffic in Weave	,	0.0%				
Percent Trucks (include RVs, if applicable)	6%	2%				
Truck Speed	40	55				
On-Ramp Volume	Peak	Non-Peak				
Hourly Ramp Volume (if aux Jane/on-ramp proi	0	0				
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)						
Quouo Formation (if quoting or grade proving arrivel)	Vear 1	Vear 20				
where round and a queding of grade crossing project)						
Arrival Pata (in vahialas par haur)		0				
Arrival Rate (in vehicles per hour)	0	Λ				
Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour)	0 0	0				
Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project)	0 0 No Build	0 Build				
Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1)	0 0 No Build	0 Build				
Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20)	0 0 No Build	0 Build				
Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20) Average Vehicle Occupancy (AVO)	0 0 No Build	Build				
Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20) Average Vehicle Occupancy (AVO) General Traffic Non-Peak	0 0 No Build No Build 1.20	0 Build Build 1.74				
Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20) Average Vehicle Occupancy (AVO) General Traffic Non-Peak Peak	0 0 No Build No Build 1.20 1.74	0 Build Build 1.74 1.74				

Actual 3-Year Accident Data (from Table B)		
	Count (No.)	Rate
Total Accidents (Tot)		0.21
Fatal Accidents (Fat)		0.006
Injury Accidents (Inj)		0.65
Property Damage Only (PDO) Accidents		1.06
	- 8	

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group		
Accident Rate (per million vehicle-miles)	0.00	0.21
Percent Fatal Accidents (Pct Fat)	0.0%	0.6%
Percent Injury Accidents (Pct Inj)	0.0%	1.1%
		-

Annual Person-T	rips		No Build	Build
	Base (Year 1)			
	Forecast (Year	20)		
Percent Trips dui	ring Peak Perio	d	0%	
Percent New Trip	os from Parallel	Highway		100%
nnual Vehicle-N	liles		No Build	Build
	Base (Year 1)			
	Forecast (Year	20)		
Average Vehicles	s/Train (if rail proje	ect)		
verage Transit	Travel Time		No Build	Build
In-Vehicle	Non-Peak (in m	inutes)		0.0
	Peak (in minute	es)		0.0
Out-of-Vehicle	Non-Peak (in m	inutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
light of Crode (Current	Voor 1	Veer 20
	rossing	Current		real 20
Annual Number			0	
Avg. Gate Dowr	n Time (in min.)		0.0	
ransit Agency C	osts (if TMS proje	ect)	No Build	Build
			1	<u>م</u> م
Annual Capital E	Expenditure			\$0

(1E)			PROJECT	COSTS (er	nter costs	in thousar	nds of dol	lars)	
Col. no.	(1)	(2)	(3)	(4)	(5)	(6)	• (7)		
		DIREC	F PROJECT CC	STS			Transit		
		INITIAL COSTS	;	SUBSEQUE	ENT COSTS		Agency	TOTAL COS	TS (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R / W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								-
1	\$0			< Must ent	ter a cost>			\$0	\$0
2	0			< Must ent	ter a cost>			0	0
3	5,000							5,000,000	4,367,194
4	6,000	1,000		Adjust Const	ruction Period			7,000,000	5,714,085
5	8,000			Adjust Const	ruction Period			8,000,000	6,103,162
6			60,000	Adjust Const	ruction Period			60,000,000	42,779,171
7			90,000	Adjust Const	ruction Period			90,000,000	59,970,800
8			50,000	Adjust Const	ruction Period			50,000,000	31,137,487
Project O	pen			r	1	1	-	-	
1	a			\$ 20.00				\$ 20,000.00	\$ 16,325.96
2				\$ 20.00				\$ 20,000.00	\$ 15,257.90
3				\$ 20.00		• ••••••••••••••••••••••••		\$ 20,000.00	\$ 14,259.72
4				\$ 20.00				\$ 20,000.00	\$ 13,326.84
5				\$ 20.00				\$ 20,000.00	\$ 12,454.99
6				\$ 20.00				\$ 20,000.00	\$ 11,640.18
7				\$ 20.00				\$ 20,000.00	\$ 10,878.67
8				\$ 20.00				\$ 20,000.00	\$ 10,166.99
9				\$ 20.00				\$ 20,000.00	\$ 9,501.86
10				\$ 20.00	\$ 20,000.00			\$ 20,020,000.00	\$ 8,889,119.42
11				\$ 20.00				\$ 20,000.00	\$ 8,299.29
12				\$ 20.00				\$ 20,000.00	\$ 7,756.34
13				\$ 20.00				\$ 20,000.00	\$ 7,248.92
				\$ 20.00				\$ 20,000.00	\$ 6,774.69
15				\$ 20.00				\$ 20,000.00	\$ 6,331.49
16				\$ 20.00				\$ 20,000.00	\$ 5,917.28
17				\$ 20.00				\$ 20,000.00	\$ 5,530.17
18				\$ 20.00				\$ 20,000.00	\$ 5,168.38
19	ļ			\$ 20.00				\$ 20,000.00	\$ 4,830.26
20				\$ 20.00				\$ 20,000.00	\$ 4,514.26
Total	\$19,000	\$1,000	\$200,000	\$ 400.00	\$ 20,000.00	\$ -	\$-	\$ 240,400,000.00	\$ 159,137,202.11



Pyramid Highway (Queen Way to Sparks Blvd.) (Phase 1)

IAPROJECT	PROJECT DATA				
Type of Project Select project type from list	General Highway				
Project Location (enter 1 for So. Cal., 2 for No.	Cal., or 3 for rural)				
Length of Construction Period One- or Two-Way Data	2 years 2 enter 1 or 2				
Length of Peak Period(s) (up to 24 hrs)	Current 2 hours				

IB HIGHWAY DESIGN AND TRAI	FIC DA	ТА
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	4	6
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	2	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	55	55
Ramp Design Speed (if aux. lane/off-ramp proj.)	0	0
Length (in miles) Highway Segment	3.5	3.5
Impacted Length	3.5	3.5
Average Daily Traffic		
Current	38.000	
	No Build	Build
Base (Year 1)	39,048	39,048
Forecast (Year 20)	49,000	49,000
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	1.2%	1.2%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	55	
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	0	0
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Payament Condition (if payment project)	No Ruild	Puild
	NO DUIIU	Dullu
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
	No Build	Build
Average Vehicle Occupancy (AVO)	NO Dunu	
Average Vehicle Occupancy (AVO) General Traffic Non-Peak	1.74	1.74
Average Vehicle Occupancy (AVO) General Traffic Non-Peak Peak	1.74 1.74	1.74 1.74

1	-	~
(10)
	IC.)

Actual 3-Year Accident Data (from Table B)				
	Count (No.)	Rate		
Total Accidents (Tot)	311	2.14		
Fatal Accidents (Fat)	2	0.014		
Injury Accidents (Inj)	121	0.83		
Property Damage Only (PDO) Accidents	188	1.29		

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips	No Build	Build
	Base (Year 1)	0	0
	Forecast (Year 20)	0	0
Percent Trips dui	ring Peak Period	17%	
Percent New Trip	os from Parallel Highway	/	100%
Annual Vehicle-N	Ailes	No Build	Build
	Base (Year 1)	0	0
	Forecast (Year 20)	0	0
Average Vehicles	s/Train (if rail project)	0	0
Warago Transit	TravalTima	No Build	Build
Average Transit	I ravel I ime		Build
III-venicie	Non-Peak (in minutes)	0.0	0.0
Out-of-Vehicle	Non-Peak (in minutes)	0.0	0.0
	Peak (in minutes)	0.0	0.0
		0.0	0.0
lighway Grade C	Crossing Curren	t Year 1	Year 20
Annual Number	of Trains 0	0	0
	Time (in min) 00	0.0	0.0
Avg. Gate Dowr			
Avg. Gate Dowr			
Avg. Gate Dowr	Costs (if TMS project)	No Build	Build
Avg. Gate Dowr Transit Agency C Annual Capital E	Costs (if TMS project) Expenditure	No Build \$0	Build \$0

(1E)			PROJECT C	OSTS (ente	er costs in	thousand	s of dollar	s)	
Col. no.	۲ (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIREC	F PROJECT CC	STS			Transit		
		INITIAL COSTS	5	SUBSEQUE	INT COSTS		Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$1,342,500	\$0	\$0					\$26,850,000	\$26,850,000
2	1,342,500							26,850,000	25,093,458
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
Project O	pen								
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
17								0	0
18								0	0
19								0	0
20								0	0
Total	\$2,685,000	\$0	\$0	\$0	\$0	\$0	\$0	\$53,700,000	\$51,943,458

3)	INVESTMENT ANALYSIS SUMMARY RESULTS				
		Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$) \$51.9	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$) \$69.9	Travel Time Savings	\$0.0	\$0.0	\$0.0	\$0.0
Net Present Value (mil. \$) \$18.0	Veh. Op. Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
	Accident Cost Savings	\$58.7	\$11.2	\$69.9	\$3.5
Benefit / Cost Ratio: 1.3	Emission Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
	TOTAL BENEFITS	\$58.7	\$11.2	\$69.9	\$3.5
Rate of Return on Investment: 10.7%	Person-Hours of Time Saved			0	0
Payhack Period: 8 years					
Payback Period: 8 years Should benefit exclusion 8					
Payback Period: 8 years Should benefit-cost results include:		Tor	<u>15</u>	<u>Value (r</u>	<u>nil. \$)</u>
Payback Period: 8 years Should benefit-cost results include:		<u>Tor</u> Total Over	<u>is</u> Average	<u>Value (r</u> Total Over	<u>nil. \$)</u> Average
Payback Period: 8 years Should benefit-cost results include: 1) Induced Travel? (y/n) Y	EMISSIONS REDUCTION	Tor Total Over 20 Years	<u>ıs</u> Average Annual	<u>Value (r</u> Total Over 20 Years	nil. \$) Average Annual
Payback Period: 8 years Should benefit-cost results include: 1) Induced Travel? (y/n)	EMISSIONS REDUCTION CO Emissions Saved	Total Over 20 Years	<u>IS</u> Average Annual 0	Value (r Total Over 20 Years \$0.0	nii. \$) Average Annual \$0.0
Payback Period: 8 years Should benefit-cost results include: 1) Induced Travel? (y/n) Y Default = Y 2) Vehicle Operating Costs? (y/n)	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	Total Over 20 Years 0 0	Nerage Annual 0 0	Value (r Total Over 20 Years \$0.0 \$0.0	nii. \$) Average Annual \$0.0 \$0.0
Payback Period: 8 years Should benefit-cost results include: 1) Induced Travel? (y/n) Y 2) Vehicle Operating Costs? (y/l) Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved	Total Over 20 Years 0 0 0	Nerage Average Annual 0 0	Value (r Total Over 20 Years \$0.0 \$0.0 \$0.0	nii. \$) Average Annual \$0.0 \$0.0 \$0.0
Payback Period: 8 years Should benefit-cost results include: 1) Induced Travel? (y/n) Y 2) Vehicle Operating Costs? (y/n Y 3) Accident Costs? (y/n) Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	Total Over 20 Years 0 0 0 0 0	Nerage Average Annual 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.0 \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Payback Period: 8 years Should benefit-cost results include: 1) Induced Travel? (y/n) Y 2) Vehicle Operating Costs? (y/l) Y Default = Y Y 3) Accident Costs? (y/n) Y Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved	Total Over 20 Years 0 0 0 0 0 0 0	Nerage Average Annual 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.0 \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Payback Period: 8 years Should benefit-cost results include: 1) Induced Travel? (y/n) Y 2) Vehicle Operating Costs? (y/t Y 3) Accident Costs? (y/n) Y 4) Vehicle Emissions? (y/n) Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved	Total Over 20 Years 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S Average Annual 0 0 0 0 0 0 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.0 \$0.0 \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0

Pyramid Highway (Sparks Blvd. to Calle De La Platta) (Phase 5)

A PROJECT DATA			
Type of Project			
Select project type from list	General Highway		
Project Location (enter 1 for So. Cal., 2 f	or No. Cal., or 3 for rural)		
Length of Construction Period	2 years		
One- or Two-Way Data	2 enter 1 or 2		
Length of Peak Period(s) (up to 24	hrs) 2 hours		

IB HIGHWAY DESIGN AND TRAI	FIC DA	ГА
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	4	6
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	55	55
Ramp Design Speed (if aux. lane/off-ramp proj.)	0	0
Length (in miles) Highway Segment	4.3	4.3
Impacted Length	4.3	4.3
Average Daily Traffic		_
Current	38,000	
	No Build	Build
Base (Year 1)	39,048	39,048
Forecast (Year 20)	49,000	49,000
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	0.0%	0.0%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	55	
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	0	0
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Build	Build
General Traffic Non-Peak	1.74	1.74
Peak	1.74	1.74
High Occupancy Vehicle (if HOV/HOT lanes)	2.15	2.15

1	\sim	
(10	<u>)</u>
	IU.	

Actual 3-Year Accident Data (from Table B)				
	Count (No.)	Rate		
Total Accidents (Tot)	165	0.92		
Fatal Accidents (Fat)	0	0.000		
Injury Accidents (Inj)	63	0.35		
Property Damage Only (PDO) Accidents	102	0.57		

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

1D	RAIL AND TRANSIT	DATA	
Annual Person-1	rips	No Build	Build
	Base (Year 1)	0	0
	Forecast (Year 20)	0	0
Percent Trips dui	ring Peak Period	17%	
Percent New Trip	s from Parallel Highway		100%
Annual Vehicle-N	<i>liles</i>	No Build	Build
	Base (Year 1)	0	0
	Forecast (Year 20)	0	0
Average Vehicles	/Train (if rail project)	0	0
Avorago Transit	Travel Time	No Build	Build
Average Transit	Travel Time	No Build	Build
In-Vehicle	Non-Peak (in minutes)	0.0	0.0
	Peak (in minutes)	0.0	0.0
Out-of-Vehicle	Non-Peak (in minutes)	0.0	0.0
	Peak (in minutes)	0.0	0.0
Highway Grade C	Crossing Current	Year 1	Year 20
Annual Number	of Trains 0	0	0
Avg. Gate Dowr	n Time (in min.) 0.0	0.0	0.0
Transit Agency C	osts (if TMS project)	No Build	Build
Annual Capital E	Expenditure	\$0	\$0
Annual Ops. and	d Maintenance Expenditure	\$0	\$0

(1E)		I	PROJECT C	OSTS (ente	er costs in	thousand	s of dollar	s)	
Col. no.	F (1)	(2)	(3)	(4)	(5)	(6)	(7)		
	DIRECT PROJECT COSTS						Transit		
		INITIAL COSTS	5	SUBSEQUE	INT COSTS		Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$5,125,000	\$0	\$0					\$102,500,000	\$102,500,000
2	5,125,000							102,500,000	95,794,393
3									0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
Project O	pen								
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
17								0	0
18								0	0
19								0	0
20	040 050 coo							0	0
Total	\$10,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$205,000,000	\$198,294,393

3		INVESTMENT ANALYSIS SUMMARY RESULTS				
			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$198.3	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$17.2	Travel Time Savings	\$0.0	\$0.0	\$0.0	\$0.0
Net Present Value (mil. \$)	-\$181.1	Veh. Op. Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
		Accident Cost Savings	\$14.5	\$2.8	\$17.2	\$0.9
Benefit / Cost Ratio:	0.1	Emission Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
		TOTAL BENEFITS	\$14.5	\$2.8	\$17.2	\$0.9
Rate of Return on Investment: Payback Period:	-12.2% 20+ years	Person-Hours of Time Saved			0	0
Should benefit-cost results inc	lude:		<u>Tor</u>	<u>IS</u>	Value (r	<u>nil. \$)</u>
Should benefit-cost results inc.	lude:		<u>Tor</u> Total Over	<u>ns</u> Average	Value (r Total Over	<u>nil. \$)</u> Average
Should benefit-cost results inc. 1) Induced Travel? (y/n)	lude:	EMISSIONS REDUCTION	Tor Total Over 20 Years	<u>IS</u> Average Annual	Value (r Total Over 20 Years	nil. <u>\$)</u> Average Annual
Should benefit-cost results inc. 1) Induced Travel? (y/n)	Iude: Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved	Total Over 20 Years 0	<u>IS</u> Average Annual 0	Value (r Total Over 20 Years \$0.0	nil. \$) Average Annual \$0.0
Should benefit-cost results inc. 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/t	Iude: Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	Total Over 20 Years 0 0	Note that the second se	Value (r Total Over 20 Years \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0
Should benefit-cost results inc. 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/c	V Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved	Total Over 20 Years 0 0 0	Note that the second se	Value (r Total Over 20 Years \$0.0 \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 \$0.0
Should benefit-cost results inc. 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n)	Jude: Y Default = Y Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	Total Over 20 Years 0 0 0 0 0	Average Annual 0 0	Value (r Total Over 20 Years \$0.0 \$0.0 \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results inc. 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n)	Jude: Y Default = Y Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved	Total Over 20 Years 0 0 0 0 0 0 0 0 0 0 0 0	Note that the second se	Value (r Total Over 20 Years \$0.0 \$0.0 \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results inc. 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n)	Jude: Y Default = Y Y Default = Y Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved	Total Over 20 Years 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Note that the second se	Value (r Total Over 20 Years \$0.0 \$0.0 \$0.0 \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results inc. 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/l) 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n) includes value for CO2e	Jude: Y Default = Y Y Default = Y Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved VOC Emissions Saved	Total Over 20 Years 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Note that the second se	Value (r Total Over 20 Years \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0	nil. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.

South Meadows Parkway Extension

IA PROJECT	T DATA
Type of Project Select project type from list	General Highway
Project Location (enter 1 for So. Cal., 2 for No	. Cal., or 3 for rural)
Length of Construction Period	4 years
Une- or Two-Way Data	2 enter 1 or 2 Current

	FIC DA	ΓΑ
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	Е	С
Number of General Traffic Lanes	4	2
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	45	55
Ramp Design Speed (if aux. lane/off-ramp proj.)	0	0
Length (in miles) Highway Segment	18.0	22.6
Impacted Length	18.0	22.6
Average Daily Traffic	0	
Current	No Build	Build
Base (Year 1)	5 097	5 097
Forecast (Year 20)	6 881	6 881
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	0%
Percent Traffic in Weave		0.0%
Percent Trucks (include RVs, if applicable)	6%	0%
Truck Speed	45	0
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	0	0
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.)	0	0
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.)	0 Year 1	0 Year 20
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour)	0 Year 1 0	0 Year 20
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour)	0 Year 1 0 0	0 Year 20 0
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour)	0 Year 1 0 0	0 Year 20 0 0
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project)	0 Year 1 0 0 No Build	0 Year 20 0 0 Build
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1)	0 Year 1 0 0 No Build	0 Year 20 0 0 Build
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20)	0 Year 1 0 0 No Build	0 Year 20 0 0 Build
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20)	0 Year 1 0 0 No Build	0 Year 20 0 0 Build
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20) Average Vehicle Occupancy (AVO) General Traffic Non-Peak	0 Year 1 0 0 No Build	0 Year 20 0 0 Build Build
Hourly Ramp Volume (if aux. lane/on-ramp proj.) Metering Strategy (1, 2, 3, or D, if on-ramp proj.) Queue Formation (if queuing or grade crossing project) Arrival Rate (in vehicles per hour) Departure Rate (in vehicles per hour) Pavement Condition (if pavement project) IRI (inches/mile) Base (Year 1) Forecast (Year 20) Average Vehicle Occupancy (AVO) General Traffic Non-Peak	0 Year 1 0 0 No Build No Build 1.20 1 74	0 Year 20 0 0 Build Build 1.74 1.74

Actual 3-Year Accident Data (from Table B)		
	Count (No.)	Rate
Total Accidents (Tot)		0.21
Fatal Accidents (Fat)		0.006
Injury Accidents (Inj)		0.65
Property Damage Only (PDO) Accidents		1.06
	- 8	

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group		
Accident Rate (per million vehicle-miles)	0.00	0.21
Percent Fatal Accidents (Pct Fat)	0.0%	0.6%
Percent Injury Accidents (Pct Inj)	0.0%	1.1%
		-

Annual Person-T	rips		No Build	Build
	Base (Year 1)			
	Forecast (Year	20)		
Percent Trips dui	ring Peak Perio	d	0%	
Percent New Trip	os from Parallel	Highway		100%
nnual Vehicle-N	liles		No Build	Build
	Base (Year 1)			
	Forecast (Year	20)		
Average Vehicles	s/Train (if rail proje	ect)		
verage Transit	Travel Time		No Build	Build
In-Vehicle	Non-Peak (in m	inutes)		0.0
	Peak (in minute	s)		0.0
Out-of-Vehicle	Non-Peak (in m	inutes)	0.0	0.0
	Peak (in minute	s)	0.0	0.0
light of Crode (Current	Voor 1	Veer 20
lignway Grade C	rossing	Current		rear 20
Annual Number			0	
Avg. Gate Dowr	n Time (in min.)		0.0	
ransit Agency C	osts (if TMS proje	ect)	No Build	Build
	· · · ·		1	^
Annual Capital E	Expenditure			\$0

(1E)			PROJECT	COSTS (e	nter costs	in thousar	nds of dol	lars)	
Col. no.	(1)	(2)	(3)	(4)	(5)	(6)	F (7)		
		DIREC	T PROJECT CO	STS			Transit		
		INITIAL COSTS		SUBSEQUENT COSTS		1	Agency	TOTAL COS	TS (in dollars)
Year	Project			Maint./		d	Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	Construction Period								
1	\$0			< Must en	ter a cost>			\$0	\$0
2	5,000							5,000,000	4,672,897
3	6,000							6,000,000	5,240,632
4	7,000	5,000						12,000,000	9,795,575
5	8,000		51,000	Adjust Const	ruction Period			59,000,000	45,010,818
6			76,000	Adjust Const	ruction Period			76,000,000	54,186,950
7			96,000	Adjust Const	ruction Period			96,000,000	63,968,853
8			81,000	Adjust Const	ruction Period			81,000,000	50,442,729
Project O	pen								
1				\$ 20.00				\$ 20,000.00	\$ 15,257.90
2				\$ 20.00				\$ 20,000.00	\$ 14,259.72
3				\$ 20.00				\$ 20,000.00	\$ 13,326.84
4				\$ 20.00				\$ 20,000.00	\$ 12,454.99
5	a			\$ 20.00				\$ 20,000.00	\$ 11,640.18
6				\$ 20.00		*****		\$ 20,000.00	\$ 10,878.67
7	a			\$ 20.00				\$ 20,000.00	\$ 10,166.99
8				\$ 20.00				\$ 20,000.00	\$ 9,501.86
9				\$ 20.00				\$ 20,000.00	\$ 8,880.24
10				\$ 20.00	\$ 25,000.00			\$ 25,020,000.00	\$ 10,382,410.49
11				\$ 20.00				\$ 20,000.00	\$ 7,756.34
12				\$ 20.00				\$ 20,000.00	\$ 7,248.92
13				\$ 20.00				\$ 20,000.00	\$ 6,774.69
14				\$ 20.00				\$ 20,000.00	\$ 6,331.49
15				\$ 20.00				\$ 20,000.00	\$ 5,917.28
16				\$ 20.00				\$ 20,000.00	\$ 5,530.17
17				\$ 20.00				\$ 20,000.00	\$ 5,168.38
18]			\$ 20.00				\$ 20,000.00	\$ 4,830.26
19	ļ			\$ 20.00				\$ 20,000.00	\$ 4,514.26
20				\$ 20.00				\$ 20,000.00	\$ 4,218.94
Total	\$26,000	\$5,000	\$304,000	\$ 400.00	\$ 25,000.00	\$ -	\$-	\$ 360,400,000.00	\$ 243,865,522.44


Image: 1APRO.	JECT DATA
Type of Project	Check percent traffic in weave in section 1B
Select project type from list	Off-Ramp Widening
Project Location (enter 1 for So. Cal., 2	for No. Cal., or 3 for rural)
Length of Construction Period	2 years
One- or Two-Way Data	2 enter 1 or 2
Length of Peak Period(s) (up to 24	Current 4 hrs) 2

IB HIGHWAY DESIGN AND TRAF	FIC DA	ГА
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	1	2
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	2	
Exclusive ROW for Buses (y/n)	Ν	
Highway Free-Flow Speed	55	55
Ramp Design Speed (if aux. lane/off-ramp proj.)	45	45
Length (in miles) Highway Segment	1.2	1.2
Impacted Length	0.3	0.3
Average Daily Traffic	24 000	
Guirein	Z4,000	Duild
Deep (Veer 1)		Dullu 26.476
Base (Teal T)	20,470	20,470
Forecast (fear 20)	000,000	0000
Percent of Induced Trips in HOV (if HOT or 2-to-		100%
Percent Traffic in Weave	2.5%	2.5%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	55	
On Bomp Volume	Poak	Non Poak
Hourly Rome Volume (if our long/on rome arei	7 Cak	600
Motoring Strategy (1, 2, 3, or D, if on romp proj.)	400	000
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
Powersont Condition (for some for the for	No. D. N.	D. H.I.
Pavement Condition (in pavement project)	NO BUIIO	Bulla
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Build	Build
General Traffic Non-Peak	1.74	1.74
Peak	1.74	1.74
	0.45	0.45

HIGHWAY ACCIDENT DATA

Actual 3-Year Accident Data (from Table B)		
	Count (No.)	Rate
Total Accidents (Tot)	5	0.19
Fatal Accidents (Fat)	0	0.000
Injury Accidents (Inj)	5	0.19
Property Damage Only (PDO) Accidents	0	0.00

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.6%	0.6%
Percent Injury Accidents (Pct Inj)	71.0%	71.0%

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	[.] 20)	0	0
Percent Trips dui	ring Peak Perio	od	17%	
Percent New Trip	s from Parallel	l Highway		100%
Annual Vehicle-N	liles		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Average Vehicles	s/Train (if rail proj	iect)	0	0
Nurago Transit	Travel Time		No Build	Build
Average Transit	Travel Time		No Build	Build
In-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Out-of-Vehicle	Non-Peak (in m	ninutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Highway Grade C	Crossing	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Dowr	n Time (in min.)	0.0	0.0	0.0
Transit Agency C	osts (if TMS proj	ect)	No Build	Build
Annual Capital E	Expenditure		\$0	\$0
Annual One and	d Maintenance Ex	penditure	\$0	\$0

(1E)			PROJECT C	OSTS (ente	er costs in	thousand	s of dollar	s)	
Col. no.	F (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIREC	F PROJECT CO	STS			Transit		
		INITIAL COSTS	;	SUBSEQUE	NT COSTS]	Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$3,000,000	\$0	\$0					\$33,000,000	\$33,000,000
2	3,000,000							33,000,000	30,841,121
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8	-							0	0
Project O	pen								
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
17								0	0
18								0	0
19								0	0
20								0	0
Total	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$66,000,000	\$63,841,121

3		INVESTMENT ANALYSIS SUMMARY RESULTS				
			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$63.8	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$8.8	Travel Time Savings	\$5.4	\$1.4	\$6.8	\$0.3
Net Present Value (mil. \$)	-\$55.0	Veh. Op. Cost Savings	\$0.3	\$0.0	\$0.3	\$0.0
		Accident Cost Savings	\$1.4	\$0.3	\$1.6	\$0.1
Benefit / Cost Ratio:	0.1	Emission Cost Savings	\$0.1	\$0.1	\$0.1	\$0.0
		TOTAL BENEFITS	\$7.1	\$1.7	\$8.8	\$0.4
Rate of Return on Investment:	-5.9%	Person-Hours of Time Saved			1,281,989	64,099
Payback Period:	20+ years					
Should hanafit agat regulta in	Juday		.			
Should benefit-cost results inc	clude:		Tor	<u>15</u>	Value (r	<u>nil. \$)</u>
Should benefit-cost results ind	clude:		<u>Tor</u> Total Over	n <u>s</u> Average	<u>Value (r</u> Total Over	nil. \$) Average
Should benefit-cost results ind 1) Induced Travel? (y/n)	clude:	EMISSIONS REDUCTION	Total Over 20 Years	<u>ns</u> Average Annual	<u>Value (r</u> Total Over 20 Years	nil. \$) Average Annual
Should benefit-cost results ind 1) Induced Travel? (y/n)	Clude: Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved	Total Over 20 Years 10	NS Average Annual 0	Value (r Total Over 20 Years \$0.0	nil. <u>\$)</u> Average Annual \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/	Clude: Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	Total Over 20 Years 10 3,460	Average Annual 0 173	Value (r Total Over 20 Years \$0.0 \$0.1	nil. <u>\$)</u> Average Annual \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/	Clude: Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved	Total Over 20 Years 10 3,460 9	Average Annual 0 173 0	Value (r Total Over 20 Years \$0.0 \$0.1 \$0.1	nii. \$) Average Annual \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n)	Clude: Y Default = Y Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	Total Over 20 Years 10 3,460 9 0	Average Annual 0 173 0 0	Value (r Total Over 20 Years \$0.0 \$0.1 \$0.1 \$0.0	nii. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/ 3) Accident Costs? (y/n)	Clude: Y Default = Y Y Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved	Total Over 20 Years 10 3,460 9 0 0	NAVerage Annual 0 173 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.1 \$0.1 \$0.0	nii. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n)	Clude: Y Default = Y Y Default = Y Pefault = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved	Total Over 20 Years 10 3,460 9 0 0 0 0 0 0	Note that the second se	Value (r Total Over 20 Years \$0.0 \$0.1 \$0.1 \$0.0 \$0.0	nii. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0
 Should benefit-cost results ind 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n) includes value for CO₂e 	Default = Y Default = Y Y Default = Y Y Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved VOC Emissions Saved	Total Over 20 Years 10 3,460 9 0 0 0 10	Average Annual 0 173 0 0 0 0 0 0 0 0 0 0 0	Value (r Total Over 20 Years \$0.0 \$0.1 \$0.1 \$0.0 \$0.0 \$0.0	nii. \$) Average Annual \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0

US 395 Connector (Parr to Pyramid) (Phase 3)

PROJECT DATA					
General Highway					
Cal., or 3 for rural)					
3 years					
2 enter 1 or 2					
Current 2 hours					

		D 111
Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	1	2
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	N	
Highway Free-Flow Speed	45	45
Ramp Design Speed (if aux. lane/off-ramp proj.)	0	0
Length (in miles) Highway Segment	4.2	4.2
Impacted Length	4.2	4.2
Average Dally Traπic	40 000	
Current	No Build	Build
Base (Year 1)	38.636	38.636
Forecast (Year 20)	30,000	30,000
Average Hourly HOV/HOT Lane Traffic	00,000	00,000
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	2.5%	2.5%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	45	
On Pamp Volumo	Peak	Non-Peak
Hourly Rome Volume (if any Japo/on rome proi	Λ	
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)	U	U
metering Strategy (1, 2, 3, 61 D, 11 OF ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
	No Build	Build
		Balla
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Build	Build
General Traffic Non-Peak	1.74	1.74
Peak	1.74	1./4

HIGHWAY ACCIDENT DATA

Actual 3-Year Accident Data (from Table B)		
	Count (No.)	Rate
Total Accidents (Tot)	52	0.28
Fatal Accidents (Fat)	0	0.000
Injury Accidents (Inj)	11	0.06
Property Damage Only (PDO) Accidents	41	0.22

Statewide Basic Average Accident Rate		
	No Build	Build
Rate Group	Interstate	Interstate
Accident Rate (per million vehicle-miles)	2.07	2.07
Percent Fatal Accidents (Pct Fat)	0.3%	0.3%
Percent Injury Accidents (Pct Inj)	34.7%	34.7%

Annual Person-T	rips		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Percent Trips dur	ring Peak Perio	d	17%	
Percent New Trip	s from Parallel	Highway		100%
Annual Vehicle-M	liles		No Build	Build
	Base (Year 1)		0	0
	Forecast (Year	20)	0	0
Average Vehicles	/Train (if rail proj	ect)	0	0
Average Transit	Travel Time		No Build	Build
In-Vehicle	Non-Peak (in m	linutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Out-of-Vehicle	Non-Peak (in m	inutes)	0.0	0.0
	Peak (in minute	es)	0.0	0.0
Highway Grade (rossina	Current	Year 1	Year 20
Annual Number	of Trains	0	0	0
Avg. Gate Dowr	Avg. Gate Down Time (in min.)			
Transit Agency C	osts (if TMS proje	ect)	No Build	Build
Annual Capital E	Expenditure		\$0	\$0
	x 8			

(1E)			PROJECT C	OSTS (ente	er costs in	thousand	s of dollar	s)	
Col. no.	F (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIREC	FPROJECT CO	STS			Transit		
		INITIAL COSTS	5	SUBSEQUE	INT COSTS	1	Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./		1	Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$4,219,999	\$0	\$0					\$140,666,666	\$140,666,666
2	3,000,000							140,666,666	131,464,174
3	2,000,000							140,666,666	122,863,714
4								0	0
5								0	0
6								0	0
7								0	0
8	-							0	0
Project O	pen								
1								\$0	\$0
2				***************************************				0	0
3								0	0
4				*****				0	0
5								0	0
6								0	0
7								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
1/								0	0
10								0	0
19								0	0
ZU	\$0.210.000	¢0	¢∩	¢0	¢0.	¢0.	¢0	\$421,000,009	\$304 004 554
Total	\$9,219,999	\$0	\$0	\$0	\$0	\$0	\$0	⊅4∠1,999,998	JJ94,994,554



US 395 Direct Connect Ramps (Phase 4)

1A	PROJEC	T DATA
Type of Pro	iect	
Select	project type from list	General Highway
Project Loca	ation (enter 1 for So. Cal., 2 for N	o. Cal., or 3 for rural)
Length	of Construction Period	2 years
One- o	or Two-Way Data	2 enter 1 or 2
Length of P	eak Period(s) (up to 24 hrs	current s) 2 hours

Highway Design	No Build	Build
Roadway Type (Fwy, Exp, Conv Hwy)	F	F
Number of General Traffic Lanes	2	3
Number of HOV/HOT Lanes	0	0
HOV Restriction (2 or 3)	0	
Exclusive ROW for Buses (y/n)	Ν	MARANA
Highway Free-Flow Speed	45	45
Ramp Design Speed (if aux. lane/off-ramp proj.)	0	0
Length (in miles) Highway Segment	2.0	2.0
Impacted Length	2.0	2.0
Average Dally Traπic Current	20.000	
	No Build	Build
Base (Year 1)	20.952	20.952
Forecast (Year 20)	30.000	30,000
Average Hourly HOV/HOT Lane Traffic	0	0
Percent of Induced Trips in HOV (if HOT or 2-to-	3 conv.)	100%
Percent Traffic in Weave	0.0%	0.0%
Percent Trucks (include RVs, if applicable)	16%	16%
Truck Speed	40	
On-Ramp Volume	Peak	Non-Peak
Hourly Ramp Volume (if aux. lane/on-ramp proj.)	800	1200
Metering Strategy (1, 2, 3, or D, if on-ramp proj.)		
Queue Formation (if queuing or grade crossing project)	Year 1	Year 20
Arrival Rate (in vehicles per hour)	0	0
Departure Rate (in vehicles per hour)	0	0
· · · · · · · ·		
Pavement Condition (if pavement project)	No Build	Build
IRI (inches/mile) Base (Year 1)		
Forecast (Year 20)		
Average Vehicle Occupancy (AVO)	No Puild	Duild
General Traffic Non-Peak	1 74	1 74
	1./ 🖛	1./ 4
Peak	1.74	1 74

HIGHWAY ACCIDENT DATA

Actual 3-Year Accident Data (from Table B)								
	Count (No.)	Rate						
Total Accidents (Tot)	94	2.15						
Fatal Accidents (Fat)	1	0.023						
Injury Accidents (Inj)	2	0.05						
Property Damage Only (PDO) Accidents	91	2.08						

Statewide Basic Average Accident Rate							
	No Build	Build					
Rate Group	Interstate	Interstate					
Accident Rate (per million vehicle-miles)	2.07	2.07					
Percent Fatal Accidents (Pct Fat)	0.3%	0.3%					
Percent Injury Accidents (Pct Inj)	34.7%	34.7%					

Annual Person-1	rips		No Build	Build		
	Base (Year 1)		0	0		
	Forecast (Year	20)	0	0		
Percent Trips du	ring Peak Perio	d	17%			
Percent New Trip	os from Parallel	Highway		100%		
Annual Vehicle-N	liles		No Build	Build		
	Base (Year 1)		0	0		
	Forecast (Year	20)	0	0		
Average Vehicles	s/Train (if rail proje	ect)	0	0		
Reduction in Tra	nsit Accidents		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Percent Reduct	ion (if safety proje	ect)	0%			
Average Transit	I ravel I ime	• • •	No Build	Build		
In-Vehicle	Non-Peak (in m	inutes)	0.0	0.0		
	Peak (in minute	es)	0.0	0.0		
Out-ot-venicle	Non-Peak (in m		0.0	0.0		
	Peak (in minute	es)	0.0	0.0		
	Crossina	Current	Year 1	Year 20		
Highway Grade (5	Ο	0	0		
Highway Grade (Annual Number	of Trains	Avg. Gate Down Time (in min.)				
Highway Grade C Annual Number Avg. Gate Dowr	of Trains 1 Time (in min.)	0.0	0.0	0.0		
Highway Grade C Annual Number Avg. Gate Dowr	of Trains Time (in min.)	0.0	0.0	0.0		
Highway Grade C Annual Number Avg. Gate Dowr Transit Agency C	of Trains Time (in min.)	0.0 ect)	0.0 No Build	0.0 Build		
Highway Grade C Annual Number Avg. Gate Dowr Transit Agency C Annual Capital B	of Trains Time (in min.) Costs (if TMS proje Expenditure	0.0 ect)	0.0 No Build \$0	0.0 Build \$0		

(1E)			PROJECT C	OSTS (ente	er costs in	thousand	s of dollar	s)	
Col. no.	F (1)	(2)	(3)	(4)	(5)	(6)	(7)		
		DIREC	F PROJECT CO	STS			Transit		
		INITIAL COSTS	5	SUBSEQUE	INT COSTS		Agency	TOTAL COST	S (in dollars)
Year	Project			Maint./			Cost	Constant	Present
	Support	R/W	Construction	Op.	Rehab.	Mitigation	Savings	Dollars	Value
Construct	ion Period								
1	\$2,125,000	\$0	\$0					\$42,500,000	\$42,500,000
2	2,125,000							42,500,000	39,719,626
3									0
4								0	0
5								0	0
6								0	0
7								0	0
8	-							0	0
Project O	pen								
1								\$0	\$0
2								0	0
3								0	0
4								0	0
5								0	0
6								0	0
7								0	0
8								0	0
9								0	0
10								0	0
11								0	0
12								0	0
13								0	0
14								0	0
15								0	0
16								0	0
17								0	0
18								0	0
19								0	0
20	A 4 0 0 0							0	0
Total	\$4,250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$85,000,000	\$82,219,626

3		INVESTMENT ANALYSIS SUMMARY RESULTS				
			Passenger	Freight	Total Over	Average
Life-Cycle Costs (mil. \$)	\$82.2	ITEMIZED BENEFITS (mil. \$)	Benefits	Benefits	20 Years	Annual
Life-Cycle Benefits (mil. \$)	\$21.9	Travel Time Savings	\$0.0	\$0.0	\$0.0	\$0.0
Net Present Value (mil. \$)	-\$60.3	Veh. Op. Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
		Accident Cost Savings	\$18.4	\$3.5	\$21.9	\$1.1
Benefit / Cost Ratio:	0.3	Emission Cost Savings	\$0.0	\$0.0	\$0.0	\$0.0
		TOTAL BENEFITS	\$18.4	\$3.5	\$21.9	\$1.1
Rate of Return on Investment: Payback Period:	-4.8%	Person-Hours of Time Saved			2,406	120
Should benefit-cost results in	:lude:		Ton	<u>s</u>	<u>Value (n</u>	<u>nil. \$)</u>
					Total Over	Aueroac
1) Induced Travel2 (v/n)			Total Over	Average	Total Over	Average
1) Induced Travel? (y/n)	Y	EMISSIONS REDUCTION	20 Years	Average Annual	Total Over 20 Years	Average Annual
1) Induced Travel? (y/n)	Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved	20 Years	Average Annual	Total Over 20 Years \$0.0	Average Annual \$0.0
1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/	Y Default = Y Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved	20 Years 0 92	Average Annual 0 5	Total Over 20 Years \$0.0 \$0.0	Average Annual \$0.0 \$0.0
 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 	Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved	20 Years 0 92 0	Average Annual 0 5 0	Total Over 20 Years \$0.0 \$0.0 \$0.0	Average Annual \$0.0 \$0.0 -\$0.0
 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n) 	Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved	20 Years 0 92 0 0	Average Annual 0 5 0 0	Total Over 20 Years \$0.0 \$0.0 \$0.0 \$0.0 \$0.0	Average Annual \$0.0 \$0.0 -\$0.0 \$0.0
 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n) 	Y Default = Y Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved	20 Years 0 922 0 0 0 0 0	Average Annual 0 5 0 0 0	Total Over 20 Years \$0.0 \$0.0 -\$0.0 \$0.0	Average Annual \$0.0 \$0.0 -\$0.0 \$0.0
 1) Induced Travel? (y/n) 2) Vehicle Operating Costs? (y/n) 3) Accident Costs? (y/n) 4) Vehicle Emissions? (y/n) 	Y Default = Y Y Default = Y Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO ₂ Emissions Saved NO _X Emissions Saved PM ₁₀ Emissions Saved PM _{2.5} Emissions Saved SO _X Emissions Saved	20 Years 0 92 0 0 0 0 0 0 0 0	Average Annual 0 5 0 0 0 0 0	Total Over 20 Years \$0.0 \$0.0 -\$0.0 \$0.0 \$0.0	Average Annual \$0.0 \$0.0 -\$0.0 \$0.0 \$0.0
 Induced Travel? (y/n) Vehicle Operating Costs? (y/n) Accident Costs? (y/n) Vehicle Emissions? (y/n) includes value for CO₂e 	Y Default = Y Y Default = Y Y Default = Y Default = Y	EMISSIONS REDUCTION CO Emissions Saved CO2 Emissions Saved NOX Emissions Saved PM10 Emissions Saved PM2.5 Emissions Saved SOX Emissions Saved VOC Emissions Saved	20 Years 0 92 0 0 0 0 0 0 0 0 0 0 0	Average Annual 0 5 0 0 0 0 0 0 0	Total Over 20 Years \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0	Average Annual \$0.0 \$0.0 -\$0.0 \$0.0 \$0.0 \$0.0 \$0.0