

Appendix C: Projected Roadway Levels of Service

Table C-1 lists the anticipated average daily trips (ADT) and average daily level of service (LOS) of roadway segments in the Study Area at General Plan buildout, in 2030. LOS thresholds are defined in Table C-2. Entries in bold are those projected to operate at LOS E or F at full buildout..

TABLE C-1: FULL BUILDOUT LOS					
ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
State Route 99	s/o Golden State Boulevard	Six-Lane Freeway	115%	137,819	F
	s/o SR 165 By-Pass	Six-Lane Freeway	100%	119,576	E
	s/o Lander Avenue	Six-Lane Freeway	111%	133,425	F
	s/o Main Street	Six-Lane Freeway	118%	142,187	F
	s/o Fulkerth Road	Six-Lane Freeway	125%	150,387	F
	s/o Monte Vista Avenue	Six-Lane Freeway	120%	143,555	F
	s/o Taylor Road	Six-Lane Freeway	113%	135,197	F
	n/o Taylor Road	Six-Lane Freeway	97%	116,166	E
Old State Route 165	s/o Clausen Road	Four-Lane Arterial	25%	7,971	A
	s/o State Route 99	Four-Lane Arterial	63%	20,289	B
Golden State Boulevard	s/o State Route 99	Four-Lane Expressway	48%	18,242	A
	s/o Daubenberger Road Extension	Four-Lane Expressway	49%	18,609	A
	s/o Linwood Overcrossing	Four-Lane Expressway	61%	23,163	B
	s/o Berkeley Avenue	Four-Lane Expressway	47%	17,676	A
	s/o East Avenue	Four-Lane Arterial	55%	17,589	A
	s/o Olive Avenue	Four-Lane Arterial	77%	24,658	C
	s/o Geer Avenue	Four-Lane Arterial	95%	30,351	E
	s/o Canal Drive	Four-Lane Arterial	64%	20,604	B
	s/o Hawkeye Avenue	Six-Lane Arterial	65%	31,083	B
	s/o Walnut Avenue	Six-Lane Arterial	62%	29,866	B
s/o Tuolumne Road	Six-Lane Arterial	59%	28,261	A	
s/o Monte Vista Avenue	Six-Lane Expressway	43%	27,694	A	
s/o Christofferson Parkway	Six-Lane Expressway	57%	32,257	A	

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ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
Golden State Boulevard	s/o Taylor Road	Six-Lane Expressway	62%	35,403	B
Washington Road	s/o Linwood Avenue	Two-Lane Collector	69%	8,242	B
	s/o Main Street	Two-Lane Collector	73%	8,781	B
	s/o Fulkerth Road	Four-Lane Expressway	32%	12,093	A
	s/o Tuolumne Road	Four-Lane Expressway	13%	4,977	A
	s/o Monte Vista Avenue	Four-Lane Expressway	13%	5,023	A
	s/o Taylor Road	Two-Lane Expressway	22%	2,123	A
Tegner Road	s/o Linwood Avenue	Two-Lane Collector	8%	900	A
	s/o Main Street	Two-Lane Collector	47%	5,602	A
	s/o Fulkerth Road	Four-Lane Arterial	51%	16,383	A
	s/o Tuolumne Road	Four-Lane Arterial	60%	19,309	A
	s/o Monte Vista Avenue	Four-Lane Arterial	49%	15,649	A
Countryside Drive	s/o Tuolumne Road	Four-Lane Arterial	63%	20,041	B
	s/o Monte Vista Avenue	Four-Lane Arterial	102%	32,665	F
Walnut Avenue	s/o Linwood Avenue	Two-Lane Collector	7%	864	A
	s/o Main Street	Two-Lane Arterial	68%	10,864	B
	s/o Tuolumne Road	Two-Lane Collector	65%	7,763	A
	s/o Monte Vista Avenue	Two-Lane Collector	88%	10,523	D
	s/o Christofferson Parkway	Four-Lane Arterial	62%	19,910	A
	s/o Taylor Road	Four-Lane Arterial	30%	9,452	A
Dels Lane	s/o Tuolumne Road	Two-Lane Collector	81%	9,709	C
	s/o Monte Vista Avenue	Two-Lane Collector	54%	6,447	A
Lander Avenue	s/o East Glenwood Avenue	Four-Lane Arterial	115%	36,784	F
	s/o Linwood Avenue	Four-Lane Arterial	92%	29,319	E
	s/o Main Street	Four-Lane Arterial	83%	20,560	D
Geer Road	s/o Canal Drive	Four-Lane Arterial	55%	17,567	A
	s/o Hawkeye Avenue	Four-Lane Arterial	75%	23,935	C
	s/o Tuolumne Road	Four-Lane Arterial	84%	26,796	D
	s/o Monte Vista Avenue	Four-Lane Arterial	75%	24,072	C

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ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
Geer Road	s/o Christofferson Parkway	Four-Lane Arterial	62%	19,845	A
	s/o Taylor Road	Four-Lane Arterial	57%	18,086	A
Olive Avenue	s/o Hawkeye Avenue	Four-Lane Arterial	66%	20,988	B
	s/o Tuolumne Road	Four-Lane Arterial	62%	19,699	A
	s/o Monte Vista Avenue	Four-Lane Arterial	62%	19,786	A
	s/o Christofferson Parkway	Four-Lane Arterial	40%	12,685	A
Golf Road	s/o Morgan Ranch Arterial	Two-Lane Arterial	65%	10,461	B
	s/o Glenwood Avenue	Two-Lane Arterial	78%	12,483	C
	s/o Linwood Avenue	Four-Lane Arterial	50%	16,006	A
	s/o Golden State Boulevard	Four-Lane Arterial	48%	15,445	A
Berkeley Avenue	s/o Paulson Road	Two-Lane Arterial	70%	11,239	B
	s/o East Avenue	Two-Lane Arterial	53%	8,452	A
	s/o Canal Drive	Two-Lane Collector	48%	5,771	A
	s/o Hawkeye Avenue	Two-Lane Collector	83%	9,907	C
	s/o Tuolumne Road	Two-Lane Collector	44%	5,330	A
	s/o Monte Vista Avenue	Two-Lane Collector	52%	6,187	A
	s/o Christofferson Parkway	Two-Lane Collector	22%	2,679	A
	s/o Taylor Road	Two-Lane Collector	69%	8,298	B
Daubenberger Road	s/o Brier Road Extension	Two-Lane Collector	45%	5,425	A
	s/o East Avenue	Two-Lane Collector	67%	7,993	A
	s/o Canal Drive	Two-Lane Collector	20%	2,348	A
	s/o Hawkeye Avenue	Two-Lane Collector	10%	1,227	A
	s/o Tuolumne Road	Two-Lane Collector	2%	228	A
Verduga Road	s/o Brier Road Extension	Four-Lane Expressway	20%	7,415	A
	s/o East Avenue	Four-Lane Expressway	23%	8,618	A
	s/o Canal Drive	Four-Lane Expressway	46%	17,458	A
	s/o Hawkeye Avenue	Four-Lane Expressway	47%	17,827	A
Northeast Expressway	s/o Tuolumne Road	Four-Lane Expressway	46%	17,669	A
	s/o Monte Vista Avenue	Four-Lane Expressway	41%	15,642	A

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ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
Northeast Expressway	s/o Zeering Road	Four-Lane Expressway	33%	12,642	A
Harding Road	w/o Tegner Road	Two-Lane Collector	5%	632	A
	w/o Walnut Avenue	Two-Lane Collector	4%	481	A
	w/o Old State Route 165	Two-Lane Collector	4%	481	A
Morgan Ranch Arterial	w/o Golf Road	Two-Lane Collector	6%	771	A
	w/o Glenwood Avenue	Four-Lane Arterial	44%	14,221	A
	w/o Golf Road	Two-Lane Arterial	19%	2,984	A
Linwood Avenue	w/o Tegner Road	Four-Lane Arterial	28%	8,838	A
	w/o Walnut Avenue	Four-Lane Arterial	28%	8,935	A
	w/o Lander Avenue	Four-Lane Arterial	62%	19,741	A
	w/o 5th Street	Two-Lane Collector	88%	10,553	D
	w/o Golf Road	Four-Lane Collector	64%	15,242	B
	w/o Daubenberger Road	Four-Lane Arterial	36%	11,660	A
	w/o Verduga Expressway	Four-Lane Arterial	25%	7,937	A
Main Street	w/o Tegner Road	Four-Lane Arterial	65%	20,757	B
	w/o Walnut Avenue	Four-Lane Arterial	75%	24,024	C
	w/o Soderquist Road	Four-Lane Arterial	87%	27,849	D
	w/o Lander Avenue	Two-Lane Collector	89%	10,690	D
East Avenue	w/o Berkeley Avenue	Four-Lane Collector	65%	15,574	B
	w/o Verduga Expressway	Four-Lane Collector	42%	10,077	A
Canal Drive Extension	w/o Tegner Road	Two-Lane Arterial	10%	1,653	A
	w/o Walnut Avenue	Two-Lane Arterial	91%	14,500	D
Canal Drive	w/o Soderquist Road	Two-Lane Arterial	86%	13,802	D
	w/o Golden State Boulevard	Four-Lane Arterial	57%	18,174	A
	w/o Geer Road	Four-Lane Arterial	83%	26,648	D
	w/o Olive Avenue	Four-Lane Arterial	51%	16,226	A
	w/o Berkeley Avenue	Four-Lane Arterial	69%	21,990	B
Fulkerth Road	w/o Verduga Expressway	Two-Lane Arterial	42%	6,718	A
	w/o Tegner Road	Four-Lane Arterial	55%	17,474	A

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ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
Fulkerth Road	w/o Countryside Drive	Four-Lane Arterial	105%	33,722	F
	w/o Golden State Boulevard	Four-Lane Arterial	110%	35,188	F
Hawkeye Avenue	w/o Geer Road	Four-Lane Arterial	64%	20,549	B
	w/o Olive Avenue	Four-Lane Arterial	53%	16,840	A
	w/o Berkeley Avenue	Two-Lane Collector	63%	7,544	A
	w/o Verduga Expressway	Two-Lane Collector	53%	6,358	A
Tuolumne Road	w/o Countryside Drive	Four-Lane Arterial	58%	18,411	A
	w/o Golden State Boulevard	Four-Lane Arterial	100%	31,869	E
	w/o Geer Road	Two-Lane Collector	29%	3,512	A
	w/o Olive Avenue	Two-Lane Collector	33%	3,934	A
Monte Vista Avenue	w/o Northeast Expressway	Two-Lane Collector	10%	1,209	A
	w/o Countryside Drive	Six-Lane Arterial	90%	43,062	D
	w/o Golden State Boulevard	Four-Lane Arterial	129%	41,224	F
	w/o Walnut Avenue	Four-Lane Arterial	103%	32,887	F
Christofferson Parkway	w/o Geer Road	Four-Lane Arterial	87%	27,773	D
	w/o Olive Avenue	Four-Lane Arterial	56%	17,955	A
	w/o Northeast Expressway	Four-Lane Arterial	40%	12,930	A
	w/o Walnut Avenue	Four-Lane Expressway	72%	27,281	C
Taylor Road	w/o Geer Road	Four-Lane Expressway	80%	30,569	C
	w/o Berkeley Avenue	Four-Lane Expressway	74%	28,273	C
	w/o Northeast Expressway	Four-Lane Expressway	50%	19,180	A
	w/o State Route 99	Two-Lane Collector	36%	4,266	A
Christofferson Parkway	w/o Golden State Boulevard	Six-Lane Expressway	80%	45,818	C
	w/o Tegner Road	Two-Lane Collector	68%	8,149	B
	w/o Walnut Avenue	Two-Lane Collector	54%	6,479	A
	w/o Geer Road	Two-Lane Collector	34%	4,035	A
	w/o Berkeley Avenue	Two-Lane Collector	78%	9,313	C

Source: Omni-Means, 2012

TABLE C-2: LOS THRESHOLDS

	LOS "A"	LOS "B"	LOS "C"	LOS "D"	LOS "E"
All Facilities					
(Volume-to-Capacity Ratio (V/C))	<0.6	0.6-0.7	0.7-0.8	0.8-0.9	0.9-1.0
	AVERAGE DAILY TRAFFIC (ADT) – TOTAL OF BOTH DIRECTIONS				
ROADWAY TYPE	A	B	C	D	E
Eight-Lane Freeway	96,000	112,000	128,000	144,000	160,000
Six-Lane Freeway	72,000	84,000	96,000	108,000	120,000
Four-Lane Freeway	48,000	56,000	64,000	72,000	80,000
Six-Lane Expressway	35,000	40,000	46,000	52,000	57,000
Four-Lane Expressway	23,000	27,000	31,000	35,000	38,000
Six-Lane Arterial	29,000	34,000	39,000	44,000	48,000
Four-Lane Arterial	20,000	23,000	26,000	29,000	32,000
Two-Lane Arterial	10,000	12,000	13,000	15,000	16,000
Four-Lane Collector	15,000	17,000	20,000	22,000	24,000
Two-Lane Collector	8,000	9,000	10,000	11,000	12,000