

Appendix C: Projected Roadway Levels of Service

Table C-1 lists the anticipated 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.

TABLE C-1: FULL BUILDOUT LOS					
ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
State Route 99	s/o Golden State Boulevard	Eight-Lane Freeway	88%	140,768	D
	s/o SR 165 By-Pass	Eight-Lane Freeway	74%	118,162	C
	s/o Lander Avenue	Eight-Lane Freeway	90%	143,799	D
	s/o Main Street	Eight-Lane Freeway	96%	153,427	E
	s/o Fulkerth Road	Eight-Lane Freeway	97%	155,417	E
	s/o Monte Vista Avenue	Eight-Lane Freeway	86%	138,148	D
	s/o Taylor Road	Eight-Lane Freeway	82%	130,582	D
	n/o Taylor Road	Eight-Lane Freeway	73%	116,388	C
Old State Route 165	s/o Clausen Road	Four-Lane Arterial	29%	9,302	A
	s/o State Route 99	Four-Lane Arterial	69%	21,968	B
Golden State Boulevard	s/o Southeast Expressway	Four-Lane Expressway	60%	22,929	A
	s/o Southeast 4/5 Arterial	Four-Lane Expressway	37%	13,967	A
	s/o Glenwood Extension	Four-Lane Expressway	56%	21,242	A
	s/o Berkeley Avenue	Four-Lane Expressway	63%	23,984	B
	s/o East Avenue	Four-Lane Arterial	73%	23,448	C
	s/o Olive Avenue	Four-Lane Arterial	84%	26,784	D
	s/o Geer Avenue	Four-Lane Arterial	97%	30,984	E
	s/o Canal Drive	Four-Lane Arterial	64%	20,509	B
	s/o Hawkeye Avenue	Four-Lane Arterial	96%	30,816	E
	s/o Walnut Avenue	Four-Lane Arterial	94%	30,143	E
	s/o Tuolumne Road	Four-Lane Arterial	88%	28,003	D
s/o Monte Vista Avenue	Four-Lane Expressway	59%	22,323	A	
s/o Christofferson Parkway	Four-Lane Expressway	62%	23,624	B	

TABLE C-1: FULL BUILDOUT LOS

ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
	s/o Taylor Road	Six-Lane Expressway	57%	32,409	A
Washington Road	s/o Linwood Avenue	Two-Lane Collector	57%	6,808	A
	s/o Main Street	Two-Lane Collector	54%	6,508	A
	s/o Fulkerth Road	Four-Lane Expressway	49%	18,653	A
	s/o Tuolumne Road	Four-Lane Expressway	42%	16,096	A
	s/o Monte Vista Avenue	Four-Lane Expressway	41%	15,650	A
	s/o Taylor Road	Two-Lane Expressway	63%	11,998	A
Tegner Road	s/o Linwood Avenue	Two-Lane Collector	8%	1,000	A
	s/o Main Street	Two-Lane Collector	36%	4,280	A
	s/o Fulkerth Road	Two-Lane Arterial	82%	13,069	D
	s/o Tuolumne Road	Four-Lane Arterial	59%	19,039	A
	s/o Monte Vista Avenue	Four-Lane Arterial	68%	21,719	B
Countryside Drive	s/o Tuolumne Road	Four-Lane Arterial	75%	24,103	C
	s/o Monte Vista Avenue	Four-Lane Arterial	105%	33,517	F
Walnut Avenue	s/o Linwood Avenue	Two-Lane Collector	7%	814	A
	s/o Main Street	Two-Lane Collector	81%	9,706	C
	s/o Tuolumne Road	Two-Lane Collector	69%	8,253	B
	s/o Monte Vista Avenue	Two-Lane Collector	89%	10,644	D
	s/o Christofferson Parkway	Four-Lane Arterial	60%	19,311	A
	s/o Taylor Road	Four-Lane Arterial	23%	7,405	A
Dels Lane	s/o Tuolumne Road	Two-Lane Collector	75%	9,048	C
	s/o Monte Vista Avenue	Two-Lane Collector	48%	5,709	A
Lander Avenue	s/o East Glenwood Avenue	Four-Lane Arterial	103%	33,009	F
	s/o Linwood Avenue	Four-Lane Arterial	87%	27,748	D
	s/o Main Street	Four-Lane Arterial	78%	24,989	C
Geer Road	s/o Canal Drive	Four-Lane Arterial	55%	17,737	A
	s/o Hawkeye Avenue	Four-Lane Arterial	73%	23,439	C
	s/o Tuolumne Road	Four-Lane Arterial	80%	25,645	C
	s/o Monte Vista Avenue	Four-Lane Arterial	69%	22,072	B

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ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
	s/o Christofferson Parkway	Four-Lane Arterial	56%	18,006	A
	s/o Taylor Road	Four-Lane Arterial	55%	17,627	A
Olive Avenue	s/o Hawkeye Avenue	Four-Lane Arterial	64%	20,334	B
	s/o Tuolumne Road	Four-Lane Arterial	60%	19,121	A
	s/o Monte Vista Avenue	Four-Lane Arterial	57%	18,288	A
	s/o Christofferson Parkway	Four-Lane Arterial	36%	11,612	A
Golf Road	s/o Morgan Ranch Arterial	Two-Lane Arterial	54%	8,594	A
	s/o Glenwood Avenue	Four-Lane Arterial	60%	19,355	A
	s/o Linwood Avenue	Four-Lane Arterial	84%	26,721	D
	s/o Golden State Boulevard	Four-Lane Arterial	70%	22,379	B
Berkeley Avenue	s/o Paulson road	Two-Lane Arterial	101%	16,191	F
	s/o East Avenue	Two-Lane Arterial	63%	10,060	B
	s/o Canal Drive	Two-Lane Collector	53%	6,405	A
	s/o Hawkeye Avenue	Two-Lane Collector	84%	10,082	D
	s/o Tuolumne Road	Two-Lane Collector	40%	4,848	A
	s/o Monte Vista Avenue	Two-Lane Collector	46%	5,501	A
	s/o Christofferson Parkway	Two-Lane Collector	19%	2,255	A
	s/o Taylor Road	Two-Lane Collector	71%	8,500	B
Southeast 4/5 Arterial	s/o Golden State Boulevard	Four-Lane Arterial	52%	16,649	A
	s/o Paulson road	Four-Lane Arterial	61%	19,566	A
	s/o Daubenberger Road Extension	Two-Lane Arterial	89%	14,221	D
Daubenberger Road Extension	s/o Southeast 4/5 Arterial	Two-Lane Collector	44%	5,323	A
	s/o Linwood Avenue	Two-Lane Collector	78%	9,329	C
Daubenberger Road	s/o Brier Road Extension	Two-Lane Collector	63%	7,553	A
	s/o East Avenue	Two-Lane Collector	63%	7,545	A
	s/o Canal Drive	Two-Lane Collector	29%	3,456	A
	s/o Hawkeye Avenue	Two-Lane Collector	14%	1,697	A
	s/o Tuolumne Road	Two-Lane Collector	2%	274	A
Southeast Expressway	s/o State Route 99	Four-Lane Expressway	77%	29,102	C

TABLE C-1: FULL BUILDOUT LOS

ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
	s/o Morgan Ranch Arterial	Six-Lane Expressway	69%	39,592	B
	s/o Golden State Boulevard	Four-Lane Expressway	57%	21,765	A
	s/o Daubenberger Road Extension	Four-Lane Expressway	80%	30,532	C
	s/o Linwood Avenue	Four-Lane Expressway	64%	24,368	B
Verduga Road	s/o Brier Road Extension	Four-Lane Expressway	65%	24,657	B
	s/o East Avenue	Four-Lane Expressway	62%	23,532	B
	s/o Canal Drive	Four-Lane Expressway	68%	25,925	B
	s/o Hawkeye Avenue	Four-Lane Expressway	62%	23,501	B
Northeast Expressway	s/o Tuolumne Road	Four-Lane Expressway	59%	22,573	A
	s/o Monte Vista Avenue	Four-Lane Expressway	51%	19,230	A
	s/o Zeering Road	Four-Lane Expressway	41%	15,455	A
Harding Road	w/o Tegner Road	Two-Lane Collector	7%	841	A
	w/o Walnut Avenue	Two-Lane Collector	7%	841	A
	w/o Old State Route 165	Two-Lane Collector	7%	841	A
	w/o Golf Road	Two-Lane Collector	10%	1,204	A
	w/o Southeast Expressway	Two-Lane Collector	50%	6,006	A
Morgan Ranch Arterial	w/o Glenwood Avenue	Four-Lane Arterial	65%	20,770	B
	w/o Golf Road	Four-Lane Arterial	47%	15,199	A
	w/o Southeast Expressway	Four-Lane Arterial	86%	27,402	D
Linwood Avenue	w/o Tegner Road	Two-Lane Arterial	5%	833	A
	w/o Walnut Avenue	Two-Lane Arterial	35%	5,565	A
	w/o Lander Avenue	Two-Lane Arterial	92%	14,690	D
	w/o 5th Street	Two-Lane Collector	76%	9,135	C
	w/o Golf Road	Four-Lane Collector	63%	15,080	B
	w/o Daubenberger Road	Four-Lane Arterial	39%	12,507	A
	w/o Verduga Expressway	Four-Lane Arterial	17%	5,288	A
Main Street	w/o Tegner Road	Four-Lane Arterial	73%	23,247	C
	w/o Walnut Avenue	Four-Lane Arterial	88%	28,052	D
	w/o Soderquist Road	Four-Lane Arterial	90%	28,738	D

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ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
	w/o Lander Avenue	Two-Lane Collector	90%	10,748	D
East Avenue	w/o Berkeley Avenue	Four-Lane Collector	53%	12,734	A
	w/o Verduga Expressway	Four-Lane Collector	39%	9,248	A
Canal Drive Extension	w/o Tegner Road	Two-Lane Arterial	28%	4,400	A
	w/o Walnut Avenue	Two-Lane Arterial	91%	14,500	D
Canal Drive	w/o Soderquist Road	Two-Lane Arterial	91%	14,603	D
	w/o Golden State Boulevard	Four-Lane Arterial	54%	17,161	A
	w/o Geer Road	Four-Lane Arterial	83%	26,497	D
	w/o Olive Avenue	Four-Lane Arterial	50%	16,049	A
	w/o Berkeley Avenue	Four-Lane Arterial	69%	22,040	B
	w/o Verduga Expressway	Two-Lane Arterial	49%	7,857	A
Fulkerth Road	w/o Tegner Road	Four-Lane Arterial	40%	12,734	A
	w/o Countryside Drive	Four-Lane Arterial	99%	31,809	E
	w/o Golden State Boulevard	Four-Lane Arterial	111%	35,484	F
Hawkeye Avenue	w/o Geer Road	Four-Lane Arterial	63%	20,224	B
	w/o Olive Avenue	Four-Lane Arterial	49%	15,686	A
	w/o Berkeley Avenue	Two-Lane Collector	64%	7,685	A
	w/o Verduga Expressway	Two-Lane Collector	62%	7,435	A
Tuolumne Road	w/o Tegner Road	Four-Lane Collector	68%	16,420	B
	w/o Countryside Drive	Four-Lane Arterial	84%	26,789	D
	w/o Golden State Boulevard	Four-Lane Arterial	92%	29,327	E
	w/o Geer Road	Two-Lane Collector	28%	3,330	A
	w/o Olive Avenue	Two-Lane Collector	31%	3,704	A
	w/o Northeast Expressway	Two-Lane Collector	8%	1,002	A
Monte Vista Avenue	w/o Tegner Road	Two-Lane Collector	50%	6,012	A
	w/o Countryside Drive	Six-Lane Arterial	96%	45,888	E
	w/o Golden State Boulevard	Four-Lane Arterial	132%	42,259	F
	w/o Walnut Avenue	Four-Lane Arterial	99%	31,791	E
	w/o Geer Road	Four-Lane Arterial	81%	25,947	C

TABLE C-1: FULL BUILDOUT LOS

ROADWAY	LOCATION	FACILITY TYPE	VOLUME / CAPACITY	GP BUILDOUT / ADT	LOS
	w/o Olive Avenue	Four-Lane Arterial	53%	17,061	A
	w/o Northeast Expressway	Four-Lane Arterial	41%	13,277	A
Christofferson Parkway	w/o Walnut Avenue	Four-Lane Expressway	67%	25,567	B
	w/o Geer Road	Four-Lane Expressway	76%	28,886	C
	w/o Berkeley Avenue	Four-Lane Expressway	76%	28,986	C
	w/o Northeast Expressway	Four-Lane Expressway	56%	21,321	A
Taylor Road	w/o State Route 99	Four-Lane Expressway	49%	18,728	A
	w/o Golden State Boulevard	Six-Lane Expressway	79%	45,237	C
	w/o Tegner Road	Two-Lane Collector	57%	6,800	A
	w/o Walnut Avenue	Two-Lane Collector	42%	4,983	A
	w/o Geer Road	Two-Lane Collector	38%	4,593	A
	w/o Berkeley Avenue	Two-Lane Collector	78%	9,406	C

TABLE C-2: LOS THRESHOLDS					
	LOS "A"	LOS "B"	LOS "C"	LOS "D"	LOS "E"
All Facilities	<0.6	0.6-0.7	0.7-0.8	0.8-0.9	0.9-1.0
(Volume-to-Capacity Ratio (V/C))					
	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

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