

Table 1: All Roadways in Study Area

Horizon Year Roadway Segment Conditions, with mitigation data from tables 16-20 and 16-23		Table 10-1			Table 15-1			with minus without						
		Without Connec.			With Connec.			ADT	ADT	V/C	V/C	LOS	sig?	
area	Roadway Segment	Lanes/Class	ADT	V/C	LOS	ADT	V/C	LOS	ADT	ADT	V/C	V/C	LOS	sig?
Friars Road														
m	Napa St to Colusa St	4/Major	20,015	0.5	B	19,594	0.49	B	-421	-2.1%	-0.01	-2.0%		n
m	Colusa St to Via Las Cumbres	4/Major	26,232	0.66	C	25,894	0.65	C	-338	-1.3%	-0.009	-1.4%		n
m	Via Las Cumbres to Fashion Valley Rd	4/Major	27,662	0.69	C	27,554	0.69	C	-108	-0.4%	-0.003	-0.4%		n
m	Fashion Valley Rd to Via Moda	5/Prime	21,558	0.43	B	21,527	0.43	B	-31	-0.1%	0	0.0%		n
m	Via Moda to Avenida de las Tiendas	5/Prime	23,146	0.46	B	23,055	0.46	B	-91	-0.4%	-0.002	-0.4%		n
m	Avenida de las Tiendas to Ulric St/ SR-163 sb ramps	6/Prime	43,314	0.72	C	42,754	0.71	C	-560	-1.3%	-0.009	-1.2%		n
m	Ulric St/ SR-163 sb ramps to SR-163 nb ramps	6/Prime	64,028	0.8	C	60,285	0.75	C	-3,743	-5.8%	-0.046	-5.8%		y
m	SR-163 nb ramps to Frazee Rd	6/Prime	72,119	0.9	D	66,005	0.83	C	-6,114	-8.5%	-0.076	-8.4%	-1	y
m	Frazee Road to Mission Center Rd	6/Expressway	56,930	0.71	C	50,424	0.63	C	-6,506	-11.4%	-0.082	-11.5%		y
m	Mission Center Rd to Gill Village Wy	6/Expressway	60,602	0.76	D	54,773	0.69	C	-5,829	-9.6%	-0.073	-9.6%	-1	y
m	Gill Village Wy to Qualcomm Wy	6/Expressway	59,843	0.75	C	54,160	0.68	C	-5,683	-9.5%	-0.071	-9.5%		y
m	Qualcomm Wy to Rio Bonito Wy	6/Expressway	53,754	0.67	C	47,632	0.6	C	-6,122	-11.4%	-0.077	-11.5%		y
m	Rio Bonito Wy to River Run Rd	6/Expressway	54,747	0.68	C	48,573	0.61	C	-6,174	-11.3%	-0.077	-11.3%		y
m	River Run Rd to Fenton Pky	6/Prime	54,766	0.91	D	48,904	0.82	C	-5,862	-10.7%	-0.098	-10.7%	-1	y
m	Fenton Pky to Northside Dr	6/Prime	50,518	0.84	D	45,626	0.76	C	-4,892	-9.7%	-0.082	-9.7%	-1	y
m	Northside Dr to Mission Village Rd	6/Expressway	68,600	0.86	D	64,086	0.8	D	-4,514	-6.6%	-0.057	-6.6%		y
m	Mission Village Rd to I-15 sb ramps	6/Expressway	68,326	0.85	D	64,205	0.8	D	-4,121	-6.0%	-0.051	-6.0%		y
m	I-15 sb ramps to I-15 nb ramps	6/Prime	65,570	1.09	F	63,010	1.05	F	-2,560	-3.9%	-0.043	-3.9%		y
m	I-15 nb ramps to Rancho Mission Rd	7/Prime	63,864	0.91	D	63,236	0.9	D	-628	-1.0%	-0.009	-1.0%		n
g	Rancho Mission Rd to Riverdale St	6/Prime	62,011	1.03	F	61,908	1.03	F	-103	-0.2%	-0.002	-0.2%		n
g	Riverdale St to Mission Gorge Rd	6/Prime	61,843	1.03	F	61,627	1.03	F	-216	-0.3%	-0.004	-0.4%		n
Mission Center Road														
s	Murray Ridge Rd to I-805 overpass	2/Collector	16,870	0.75	D	11,863	0.79	D	-5,007	-29.7%	0.041	5.5%		y
s	I-805 overpass to Sevan Ct	3/Collector	16,870	0.75	D	11,863	0.53	C	-5,007	-29.7%	-0.223	-29.7%	-1	y
m,s	Sevan Ct to Mission Valley Rd	4/Collector	18,930	0.63	C	13,582	0.45	B	-5,348	-28.3%	-0.178	-28.2%	-1	y
m	Mission Valley Rd to Friars Rd	4/Major	28,898	0.72	C	30,387	0.76	D	1,489	5.2%	0.038	5.3%	1	y
m	Friars Rd to Mission Center Ct	4/Major	21,251	0.53	C	19,861	0.5	B	-1,390	-6.5%	-0.034	-6.4%	-1	n
m	Mission Center Ct to Hazard Center Dr	5/Major	19,857	0.44	B	18,540	0.41	B	-1,317	-6.6%	-0.029	-6.6%		n
m	Hazard Center Dr to Camino de la Reina	5/Major	30,599	0.68	C	29,221	0.65	C	-1,378	-4.5%	-0.031	-4.6%		n
m	Camino de la Reina to Camino del Rio North	5/Major	36,174	0.8	D	34,102	0.76	C	-2,072	-5.7%	-0.046	-5.7%	-1	y
m	Camino del Rio North to I-8 eb ramp	4/Major	46,766	1.04	F	44,424	1.11	F	-2,342	-5.0%	0.072	6.9%		y
Frazee Road														
m	Murray Canyon Rd to Friars Rd	4/Collector	22,594	0.75	D	22,920	0.76	D	326	1.4%	0.011	1.5%		n
m	Friars Rd to Hazard Center Dr	4/Major	22,920	0.57	C	22,937	0.57	C	17	0.1%	0	0.0%		n
Mission Valley Rd														
m	Metropolitan Dr to Mission Center Rd	4/Major	9,496	0.24	A	9,353	0.23	A	-143	-1.5%	-0.003	-1.3%		n
Phyllis Place														
s	South of I-805 sb ramps*	2/Collector (no fronting property)	3,706	0.37	A	30,483	0.76	D	26,777	722.5%	0.391	105.4%	3	y
Murray Ridge Road														
s	I-805 sb ramps to I-805 nb ramps	2/C w/TWLT	13,291	0.33	A	29,032	0.73	C	15,741	118.4%	0.394	118.7%	2	y
s	I-805 nb ramps to Mission Center Rd	2/C w/TWLT	26,057	0.87	E	25,332	0.84	E	-725	-2.8%	-0.025	-2.9%		y
s	Mission Center Rd to Pinecrest Ave	2/C w/TWLT	16,458	0.55	C	16,824	0.56	C	366	2.2%	0.012	2.2%		n

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Horizon Year Roadway Segment Conditions, with mitigation data from tables 16-20 and 16-23		Table 10-1			Table 15-1			with minus without						
		Without Convec.			With Convec.			ADT	ADT	V/C	V/C	LOS	sig?	
area	Roadway Segment	Lanes/Class	ADT	V/C	LOS	ADT	V/C	LOS	ADT	ADT	V/C	V/C	LOS	sig?
Qualcomm Way														
q	Friars Rd to Quarry Falls Blvd	6/Major	26,242	0.53	B	23,890	0.48	B	-2,352	-9.0%	-0.047	-9.0%		n
m	Friars Rd to Rio San Diego Dr	6/Major	33,271	0.67	C	29,280	0.59	C	-3,991	-12.0%	-0.079	-11.9%		y
m	Rio San Diego Dr to Camino de la Reina	6/Major	45,177	0.9	E	41,238	0.83	D	-3,939	-8.7%	-0.079	-8.7%	-1	y
m	ramps	6/Major	36,342	0.73	C	34,010	0.68	C	-2,332	-6.4%	-0.047	-6.5%		y
m	Camino del Rio North/ I-8 wb ramps to I-8 eb ramps	6/Major	48,918	0.98	E	47,656	0.95	E	-1,262	-2.6%	-0.025	-2.6%		y
Texas Street														
m	I-8 eb ramps to Camino del Rio South	4/Major	46,599	1.17	F	46,518	1.16	F	-81	-0.2%	-0.002	-0.2%		n
n	Camino del Rio South to Madison Ave	3/Collector	44,206	1.97	F	43,732	1.94	F	-474	-1.1%	-0.021	-1.1%		y
n	Madison Ave to Monroe Ave	2/C w/TWLTL	25,115	1.67	F	25,049	1.67	F	-66	-0.3%	-0.004	-0.2%		n
n	Monroe Ave to Meade Ave	2/C w/TWLTL	22,534	1.5	F	22,505	1.5	F	-29	-0.1%	-0.002	-0.1%		n
n	Meade Ave to El Cajon Blvd	3/Collector	22,887	1.02	F	23,067	1.03	F	180	0.8%	0.008	0.8%		n
Camino de la Reina														
m	Mission Center Rd to Camino del Este	4/Major	34,643	0.87	D	34,134	0.85	D	-509	-1.5%	-0.013	-1.5%		n
m	Camino del Este to Qualcomm Wy	4/Major	18,885	0.47	B	19,198	0.48	B	313	1.7%	0.008	1.7%		n
Camino del Rio North														
m	I-8 wb ramp to Qualcomm Wy	4/Collector	5,720	0.19	A	5,720	0.19	A	0	0.0%	0	0.0%		n
Gill Village Way														
m	South of Friars Rd	2/Collector (no fronting property)	6,518	0.65	C	6,406	0.64	C	-112	-1.7%	-0.011	-1.7%		n
Mission Gorge Road														
g	Friars Rd to Zion Ave	6/Prime	53,213	0.89	D	52,939	0.88	D	-274	-0.5%	-0.005	-0.6%		n
g	Zion Ave to Old Cliffs Rd	6/Prime	43,731	0.73	C	43,455	0.72	C	-276	-0.6%	-0.005	-0.7%		n
g	Old Cliffs Rd to Katelyn Ct	4/Prime	35,337	0.88	D	35,067	0.88	D	-270	-0.8%	-0.006	-0.7%		n
g	Katelyn Ct to Princess View Dr	5/Prime	33,903	0.68	C	33,562	0.67	C	-341	-1.0%	-0.007	-1.0%		n
g	Princess View Dr to Margerum Ave	5/Prime	35,472	0.71	C	31,913	0.64	C	-3,559	-10.0%	-0.071	-10.0%		n
g	Margerum Ave to Jackson Dr	6/Prime	26,661	0.44	B	26,360	0.44	B	-301	-1.1%	-0.005	-1.1%		n
Fenton Parkway														
m	Friars Rd to Rio San Diego Dr	4/Collector	23,817	0.79	D	22,744	0.76	D	-1,073	-4.5%	-0.036	-4.5%		y
Quarry Falls Blvd														
q	Mission Center Rd to R St 1	4/Collector	14,490	0.48	C	12,392	0.41	B	-2,098	-14.5%	-0.07	-14.5%	-1	y
q	Residential St 1 to Via Alta	4/Collector	13,692	0.46	B	12,731	0.42	B	-961	-7.0%	-0.032	-7.0%		n
q	Via Alta to Russell Park Wy	4/Collector	14,164	0.47	C	13,350	0.45	B	-814	-5.7%	-0.027	-5.7%	-1	n
q	Russell Park Wy to Community Ln	4/Collector	14,458	0.48	C	10,893	0.36	B	-3,565	-24.7%	-0.119	-24.7%	-1	y
q	Community Ln to Qualcomm Wy	4/Collector	17,951	0.6	C	17,711	0.59	C	-240	-1.3%	-0.008	-1.3%		n
q	Qualcomm Wy to Franklin Ridge Rd	4/Collector	10,368	0.35	B	16,094	0.54	C	5,726	55.2%	0.19	54.9%	1	y
Via Alta														
q	Quarry Falls Blvd to Franklin Ridge Rd	2/C w/TWLTL	9,466	0.63	C	18,009	1.2	F	8,543	90.2%	0.57	90.3%	3	y
Franklin Ridge Road														
q	Quarry Falls Blvd to Via Alta	2/C w/TWLTL	5,614	0.37	B	14,858	0.99	E	9,244	164.7%	0.617	165.0%	3	y
q	Via Alta to Phyllis Pl	4/Major	NA	NA	NA	25,805	0.65	C						
Russell Park Way														
q	Friars Rd to M Street 1	2/C w/TWLTL	11,048	0.74	D	7,488	0.5	C	-3,560	-32.2%	-0.238	-32.3%	-1	y
q	M Street 1 to Quarry Falls Blvd	4/Collector	7,737	0.26	A	7,594	0.25	A	-143	-1.8%	-0.005	-1.9%		n

avg	-783	11.5%	-0.0009	3.1%	0.0	48.5%
sum	-53,245		-0.0620		0.0	33/68

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area	Roadway Segment	Lanes/Class	ADT	V/C	LOS	ADT	V/C	LOS	ADT	ADT	V/C	V/C	LOS
	Friars Road												
m	Napa St to Colusa St	4/Major	20,015	0.5	B	19,594	0.49	B	-421	-2.1%	-0.01	-2.0%	0
m	Colusa St to Via Las Cumbres	4/Major	26,232	0.66	C	25,894	0.65	C	-338	-1.3%	-0.009	-1.4%	0
m	Via Las Cumbres to Fashion Valley Rd	4/Major	27,662	0.69	C	27,554	0.69	C	-108	-0.4%	-0.003	-0.4%	0
m	Fashion Valley Rd to Via Moda	5/Prime	21,558	0.43	B	21,527	0.43	B	-31	-0.1%	0	0.0%	0
m	Via Moda to Avenida de las Tiendas	5/Prime	23,146	0.46	B	23,055	0.46	B	-91	-0.4%	-0.002	-0.4%	0
m	Avenida de las Tiendas to Ulric St/ SR-163 sb ramps	6/Prime	43,314	0.72	C	42,754	0.71	C	-560	-1.3%	-0.009	-1.2%	0
m	Ulric St/ SR-163 sb ramps to SR-163 nb ramps	6/Prime	64,028	0.8	C	60,285	0.75	C	-3,743	-5.8%	-0.046	-5.8%	0
m	SR-163 nb ramps to Frazee Rd	6/Prime	72,119	0.9	D	66,005	0.83	C	-6,114	-8.5%	-0.076	-8.4%	-1
m	Frazee Road to Mission Center Rd	6/Expressway	56,930	0.71	C	50,424	0.63	C	-6,506	-11.4%	-0.082	-11.5%	0
m	Mission Center Rd to Gill Village Wy	6/Expressway	60,602	0.76	D	54,773	0.69	C	-5,829	-9.6%	-0.073	-9.6%	-1
m	Gill Village Wy to Qualcomm Wy	6/Expressway	59,843	0.75	C	54,160	0.68	C	-5,683	-9.5%	-0.071	-9.5%	0
m	Qualcomm Wy to Rio Bonito Wy	6/Expressway	53,754	0.67	C	47,632	0.6	C	-6,122	-11.4%	-0.077	-11.5%	0
m	Rio Bonito Wy to River Run Rd	6/Expressway	54,747	0.68	C	48,573	0.61	C	-6,174	-11.3%	-0.077	-11.3%	0
m	River Run Rd to Fenton Pky	6/Prime	54,766	0.91	D	48,904	0.82	C	-5,862	-10.7%	-0.098	-10.7%	-1
m	Fenton Pky to Northside Dr	6/Prime	50,518	0.84	D	45,626	0.76	C	-4,892	-9.7%	-0.082	-9.7%	-1
m	Northside Dr to Mission Village Rd	6/Expressway	68,600	0.86	D	64,086	0.8	D	-4,514	-6.6%	-0.057	-6.6%	0
m	Mission Village Rd to I-15 sb ramps	6/Expressway	68,326	0.85	D	64,205	0.8	D	-4,121	-6.0%	-0.051	-6.0%	0
m	I-15 sb ramps to I-15 nb ramps	6/Prime	65,570	1.09	F	63,010	1.05	F	-2,560	-3.9%	-0.043	-3.9%	0
m	I-15 nb ramps to Rancho Mission Rd	7/Prime	63,864	0.91	D	63,236	0.9	D	-628	-1.0%	-0.009	-1.0%	0
	Mission Center Road												
m,s	Sevan Ct to Mission Valley Rd	4/Collector	18,930	0.63	C	13,582	0.45	B	-5,348	-28.3%	-0.178	-28.2%	-1
m	Mission Valley Rd to Friars Rd	4/Major	28,898	0.72	C	30,387	0.76	D	1,489	5.2%	0.038	5.3%	1
m	Friars Rd to Mission Center Ct	4/Major	21,251	0.53	C	19,861	0.5	B	-1,390	-6.5%	-0.034	-6.4%	-1
m	Mission Center Ct to Hazard Center Dr	5/Major	19,857	0.44	B	18,540	0.41	B	-1,317	-6.6%	-0.029	-6.6%	0
m	Hazard Center Dr to Camino de la Reina	5/Major	30,599	0.68	C	29,221	0.65	C	-1,378	-4.5%	-0.031	-4.6%	0
m	Camino de la Reina to Camino del Rio North	5/Major	36,174	0.8	D	34,102	0.76	C	-2,072	-5.7%	-0.046	-5.7%	-1
m	Camino del Rio North to I-8 eb ramp	4/Major	46,766	1.04	F	44,424	1.11	F	-2,342	-5.0%	0.072	6.9%	0
	Frazee Road												
m	Murray Canyon Rd to Friars Rd	4/Collector	22,594	0.75	D	22,920	0.76	D	326	1.4%	0.011	1.5%	0
m	Friars Rd to Hazard Center Dr	4/Major	22,920	0.57	C	22,937	0.57	C	17	0.1%	0	0.0%	0
	Mission Valley Rd												
m	Metropolitan Dr to Mission Center Rd	4/Major	9,496	0.24	A	9,353	0.23	A	-143	-1.5%	-0.003	-1.3%	0
	Qualcomm Way												
m	Friars Rd to Rio San Diego Dr	6/Major	33,271	0.67	C	29,280	0.59	C	-3,991	-12.0%	-0.079	-11.9%	0
m	Rio San Diego Dr to Camino de la Reina	6/Major	45,177	0.9	E	41,238	0.83	D	-3,939	-8.7%	-0.079	-8.7%	-1
m	ramps	6/Major	36,342	0.73	C	34,010	0.68	C	-2,332	-6.4%	-0.047	-6.5%	0
m	Camino del Rio North/ I-8 wb ramps to I-8 eb ramps	6/Major	48,918	0.98	E	47,656	0.95	E	-1,262	-2.6%	-0.025	-2.6%	0
	Texas Street												
m	I-8 eb ramps to Camino del Rio South	4/Major	46,599	1.17	F	46,518	1.16	F	-81	-0.2%	-0.002	-0.2%	0
	Camino de la Reina												
m	Mission Center Rd to Camino del Este	4/Major	34,643	0.87	D	34,134	0.85	D	-509	-1.5%	-0.013	-1.5%	0
m	Camino del Este to Qualcomm Wy	4/Major	18,885	0.47	B	19,198	0.48	B	313	1.7%	0.008	1.7%	0
	Camino del Rio North												
m	I-8 wb ramp to Qualcomm Wy	4/Collector	5,720	0.19	A	5,720	0.19	A	0	0.0%	0	0.0%	0
	Gill Village Way												
m	South of Friars Rd	2/Collector (no fronting property)	6,518	0.65	C	6,406	0.64	C	-112	-1.7%	-0.011	-1.7%	0

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Fenton Parkway														
m	Friars Rd to Rio San Diego Dr	4/Collector	23,817	0.79	D	22,744	0.76	D	-1,073	-4.5%	-0.036	-4.5%	0	
									Box 1:					
									avg	-2,293	-5.1%	-0.035	-4.8%	-0.179
									sum	-89,441		-1.36		-7
Qualcomm Way														
q	Friars Rd to Quarry Falls Blvd	6/Major	26,242	0.53	B	23,890	0.48	B	-2,352	-9.0%	-0.047	-9.0%	0	
Quarry Falls Blvd														
q	Mission Center Rd to R St 1	4/Collector	14,490	0.48	C	12,392	0.41	B	-2,098	-14.5%	-0.07	-14.5%	-1	
q	Residential St 1 to Via Alta	4/Collector	13,692	0.46	B	12,731	0.42	B	-961	-7.0%	-0.032	-7.0%	0	
q	Via Alta to Russell Park Wy	4/Collector	14,164	0.47	C	13,350	0.45	B	-814	-5.7%	-0.027	-5.7%	-1	
q	Russell Park Wy to Community Ln	4/Collector	14,458	0.48	C	10,893	0.36	B	-3,565	-24.7%	-0.119	-24.7%	-1	
q	Community Ln to Qualcomm Wy	4/Collector	17,951	0.6	C	17,711	0.59	C	-240	-1.3%	-0.008	-1.3%	0	
q	Qualcomm Wy to Franklin Ridge Rd	4/Collector	10,368	0.35	B	16,094	0.54	C	5,726	55.2%	0.19	54.9%	1	
Via Alta														
q	Quarry Falls Blvd to Franklin Ridge Rd	2/C w/TWLTL	9,466	0.63	C	18,009	1.2	F	8,543	90.2%	0.57	90.3%	3	
Franklin Ridge Road														
q	Quarry Falls Blvd to Via Alta	2/C w/TWLTL	5,614	0.37	B	14,858	0.99	E	9,244	164.7%	0.617	165.0%	3	
q	Via Alta to Phyllis Pl	4/Major	NA	NA	NA	25,805	0.65	C						
Russell Park Way														
q	Friars Rd to M Street 1	2/C w/TWLTL	11,048	0.74	D	7,488	0.5	C	-3,560	-32.2%	-0.238	-32.3%	-1	
q	M Street 1 to Quarry Falls Blvd	4/Collector	7,737	0.26	A	7,594	0.25	A	-143	-1.8%	-0.005	-1.9%	0	
MV Combined									Box 2:					
									avg	889	19.4%	0.08	19.4%	0.273
									sum	9,780		0.83		3
									Box 3:					
									avg	-1,593	0.3%	-0.01	0.6%	-0.08
									sum	-79,661		-0.53		-4.00
Mission Center Road														
s	Murray Ridge Rd to I-805 overpass	2/Collector	16,870	0.75	D	11,863	0.79	D	-5,007	-29.7%	0.041	5.5%	0	
s	I-805 overpass to Sevan Ct	3/Collector	16,870	0.75	D	11,863	0.53	C	-5,007	-29.7%	-0.223	-29.7%	-1	
m,s	Sevan Ct to Mission Valley Rd	4/Collector	18,930	0.63	C	13,582	0.45	B	-5,348	-28.3%	-0.178	-28.2%	-1	
Phyllis Place														
s	South of I-805 sb ramps*	2/Collector (no fronting property)	3,706	0.37	A	30,483	0.76	D	26,777	722.5%	0.391	105.4%	3	
Murray Ridge Road														
s	I-805 sb ramps to I-805 nb ramps	2/C w/TWLTL	13,291	0.33	A	29,032	0.73	C	15,741	118.4%	0.394	118.7%	2	
s	I-805 nb ramps to Mission Center Rd	2/C w/TWLTL	26,057	0.87	E	25,332	0.84	E	-725	-2.8%	-0.025	-2.9%	0	
s	Mission Center Rd to Pinecrest Ave	2/C w/TWLTL	16,458	0.55	C	16,824	0.56	C	366	2.2%	0.012	2.2%	0	
									Box 4:					
									avg	3,828	107.5%	0.06	24.4%	0.429
									sum	26,797		0.41		3

Table 3: Roadway Segments with Significant Change

Horizon Year Roadway Segment Conditions, with mitigation data from tables 16-20 and 16-23		Table 10-1			Table 15-1			with minus without						
		Without Connec.			With Connec.			ADT	ADT	V/C	V/C	LOS	sig?	
area	Roadway Segment	Lanes/Class	ADT	V/C	LOS	ADT	V/C	LOS	ADT	ADT	V/C	V/C	LOS	sig?
Friars Road														
m	SR-163 nb ramps to Frazee Rd	6/Prime	72,119	0.9	D	66,005	0.83	C	-6,114	-8.5%	-0.076	-8.4%	-1	y
m	Frazee Road to Mission Center Rd	6/Expressway	56,930	0.71	C	50,424	0.63	C	-6,506	-11.4%	-0.082	-11.5%		y
m	Mission Center Rd to Gill Village Wy	6/Expressway	60,602	0.76	D	54,773	0.69	C	-5,829	-9.6%	-0.073	-9.6%	-1	y
m	Gill Village Wy to Qualcomm Wy	6/Expressway	59,843	0.75	C	54,160	0.68	C	-5,683	-9.5%	-0.071	-9.5%		y
m	Qualcomm Wy to Rio Bonito Wy	6/Expressway	53,754	0.67	C	47,632	0.6	C	-6,122	-11.4%	-0.077	-11.5%		y
m	Rio Bonito Wy to River Run Rd	6/Expressway	54,747	0.68	C	48,573	0.61	C	-6,174	-11.3%	-0.077	-11.3%		y
m	River Run Rd to Fenton Pky	6/Prime	54,766	0.91	D	48,904	0.82	C	-5,862	-10.7%	-0.098	-10.7%	-1	y
m	Fenton Pky to Northside Dr	6/Prime	50,518	0.84	D	45,626	0.76	C	-4,892	-9.7%	-0.082	-9.7%	-1	y
m	Northside Dr to Mission Village Rd	6/Expressway	68,600	0.86	D	64,086	0.8	D	-4,514	-6.6%	-0.057	-6.6%		y
m	Mission Village Rd to I-15 sb ramps	6/Expressway	68,326	0.85	D	64,205	0.8	D	-4,121	-6.0%	-0.051	-6.0%		y
m	I-15 sb ramps to I-15 nb ramps	6/Prime	65,570	1.09	F	63,010	1.05	F	-2,560	-3.9%	-0.043	-3.9%		y
Mission Center Road														
s	I-805 overpass to Sevan Ct	3/Collector	16,870	0.75	D	11,863	0.53	C	-5,007	-29.7%	-0.223	-29.7%	-1	y
m.s	Sevan Ct to Mission Valley Rd	4/Collector	18,930	0.63	C	13,582	0.45	B	-5,348	-28.3%	-0.178	-28.2%	-1	y
m	Camino de la Reina to Camino del Rio North	5/Major	36,174	0.8	D	34,102	0.76	C	-2,072	-5.7%	-0.046	-5.7%	-1	y
Murray Ridge Road														
s	I-805 nb ramps to Mission Center Rd	2/C w/TWLT	26,057	0.87	E	25,332	0.84	E	-725	-2.8%	-0.025	-2.9%		y
Qualcomm Way														
m	Friars Rd to Rio San Diego Dr	6/Major	33,271	0.67	C	29,280	0.59	C	-3,991	-12.0%	-0.079	-11.9%		y
m	Rio San Diego Dr to Camino de la Reina	6/Major	45,177	0.9	E	41,238	0.83	D	-3,939	-8.7%	-0.079	-8.7%	-1	y
m	ramps	6/Major	36,342	0.73	C	34,010	0.68	C	-2,332	-6.4%	-0.047	-6.5%		y
m	Camino del Rio North/ I-8 wb ramps to I-8 eb ramps	6/Major	48,918	0.98	E	47,656	0.95	E	-1,262	-2.6%	-0.025	-2.6%		y
Texas Street														
n	Camino del Rio South to Madison Ave	3/Collector	44,206	1.97	F	43,732	1.94	F	-474	-1.1%	-0.021	-1.1%		y
Fenton Parkway														
m	Friars Rd to Rio San Diego Dr	4/Collector	23,817	0.79	D	22,744	0.76	D	-1,073	-4.5%	-0.036	-4.5%		y
Quarry Falls Blvd														
q	Mission Center Rd to R St 1	4/Collector	14,490	0.48	C	12,392	0.41	B	-2,098	-14.5%	-0.07	-14.5%	-1	y
q	Russell Park Wy to Community Ln	4/Collector	14,458	0.48	C	10,893	0.36	B	-3,565	-24.7%	-0.119	-24.7%	-1	y
Russell Park Way														
q	Friars Rd to M Street 1	2/C w/TWLT	11,048	0.74	D	7,488	0.5	C	-3,560	-32.2%	-0.238	-32.3%	-1	y
									Box 1: avg -3,909 -11.3% -0.08 -11.3% -1 sum -93,823 -1.97 -11					
Mission Center Road														
s	Murray Ridge Rd to I-805 overpass	2/Collector	16,870	0.75	D	11,863	0.79	D	-5,007	-29.7%	0.041	5.5%		y
m	Mission Valley Rd to Friars Rd	4/Major	28,898	0.72	C	30,387	0.76	D	1,489	5.2%	0.038	5.3%	1	y
m	Camino del Rio North to I-8 eb ramp	4/Major	46,766	1.04	F	44,424	1.11	F	-2,342	-5.0%	0.072	6.9%		y
Phyllis Place														
s	South of I-805 sb ramps*	2/Collector (no fronting property)	3,706	0.37	A	30,483	0.76	D	26,777	722.5%	0.391	105.4%	3	y
Murray Ridge Road														
s	I-805 sb ramps to I-805 nb ramps	2/C w/TWLT	13,291	0.33	A	29,032	0.73	C	15,741	118.4%	0.394	118.7%	2	y
Quarry Falls Blvd														
q	Qualcomm Wy to Franklin Ridge Rd	4/Collector	10,368	0.35	B	16,094	0.54	C	5,726	55.2%	0.19	54.9%	1	y
Via Alta														
q	Quarry Falls Blvd to Franklin Ridge Rd	2/C w/TWLT	9,466	0.63	C	18,009	1.2	F	8,543	90.2%	0.57	90.3%	3	y
Franklin Ridge Road														
q	Quarry Falls Blvd to Via Alta	2/C w/TWLT	5,614	0.37	B	14,858	0.99	E	9,244	164.7%	0.617	165.0%	3	y
									Box 2: avg 7,521 140.2% 0.29 69.0% 2 sum 60,171 2.31 13					

Table 4: All Intersections in Study Area

		with mitigation data from tables 16-22 and 16-25		Table 10-4a		Table 15-4a					
Horizon Year AM Peak Hour Intersection Conditions		Without Convec.		With Convec.		with minus without					
area	Intersection	Delay	LOS	Delay	LOS	Delay (sec)	Delay	LOS	sig?		
m	Friars Rd/ Napa St	20.7	C	19.4	B	-1.3	-6.3%	-1	n		
m	Friars Rd/ Colusa St	9.7	A	12.2	B	2.5	25.8%	1	n		
m	Friars Rd/ Via Las Cumbres	23.7	C	23.6	C	-0.1	-0.4%	0	n		
m	Friars Rd/ Fashion Valley Rd	14.3	B	14.9	B	0.6	4.2%	0	n		
m	Friars Rd/ Via Moda	5.6	A	4.3	A	-1.3	-23.2%	0	n		
m	Friars Rd/ Avenida De Las Tiendas	9.5	A	9.7	A	0.2	2.1%	0	n		
m	Friars Rd/ SR-163 sb ramp/ Ulric St	38.8	D	21.7	C						
m	Friars Rd/ SR-163 nb ramp	6.5	A	6.9	A	0.4	6.2%	0	n		
m	Friars Rd/ Frazee Rd	32.4	C	45.1	D	12.7	39.2%	1	y		
m	Friars Rd wb ramp/ Mission Center Rd	11.9	B	13.3	B	1.4	11.8%	0	n		
m	Friars Rd eb ramp/ Mission Center Rd	19.3	B	17.5	B	-1.8	-9.3%	0	n		
m	Friars Rd/ Gill Village Wy*	0	A	0	A	0	0.0%	0	n		
m	Friars Rd wb ramp/ Qualcomm Wy	13.9	B	10.6	B	-3.3	-23.7%	0	n		
m	Friars Rd eb ramp/ Qualcomm Wy	20	B	18.4	B	-1.6	-8.0%	0	n		
m	Friars Rd/ Rio Bonito Wy*	11.5	B	10.8	B	-0.7	-6.1%	0	n		
m	Friars Rd/ River Run Rd	15	B	14.9	B	-0.1	-0.7%	0	n		
m	Friars Rd/ Fenton Pky	20.2	C	18.8	B	-1.4	-6.9%	-1	n		
m	Friars Rd/ Northside Dr	22.8	C	23.6	C	0.8	3.5%	0	n		
m	Friars Rd wb ramp/ Mission Village Dr	14.9	B	11.6	B	-3.3	-22.1%	0	n		
m	Friars Rd eb ramp/ Mission Village Dr	15.3	B	15.2	B	-0.1	-0.7%	0	n		
m	Friars Rd/ I-15 sb ramp	26.2	C	25.2	C	-1	-3.8%	0	n		
m	Friars Rd/ I-15 nb ramp	7.4	A	5.6	A	-1.8	-24.3%	0	n		
m	Friars Rd/ Rancho Mission Rd	18.6	B	18.8	B	0.2	1.1%	0	n		
g	Friars Rd/ Santo Rd	47.7	D	31.8	C	-15.9	-33.3%	-1	y		
g	Friars Rd/ Riverdale St	95.3	F	87.2	F	-8.1	-8.6%	0	y		
g	Friars Rd/ Mission Gorge Rd	10.6	B	11.7	B	1.1	10.4%	0	n		
g	Mission Gorge Rd/ Zion Ave	48.3	D	47.9	D	-0.4	-0.8%	0	n		
g	Mission Gorge Rd/ Old Cliffs Rd	30.8	C	20.8	C	-10	-32.5%	0	y		
g	Mission Gorge Rd/ Katelyn Ct	10.7	B	8.5	A	-2.2	-20.6%	-1	n		
g	Mission Gorge Rd/ Princess View Dr	50.4	D	37.7	D	-12.7	-25.2%	0	y		
g	Mission Gorge Rd/ Margerum Ave	23	C	21.9	C	-1.1	-4.8%	0	n		
g	Mission Gorge Rd/Jackson Dr	23.1	C	22.4	C	-0.7	-3.0%	0	n		
m	Mission Center Rd/ Quarry Falls Blvd	24.1	C	19.6	B	-4.5	-18.7%	-1	n		
m	Mission Center Rd/ Mission Center Drwy	20.2	C	18.4	B	-1.8	-8.9%	-1	n		
m	Mission Center Rd/ Mission Center Ct	15.9	B	15.3	B	-0.6	-3.8%	0	n		
m	Mission Center Rd/ Hazard Center Dr	14.3	B	14.3	B	0	0.0%	0	n		
m	Mission Center Rd/ Camino de la Reina	19.8	B	19.9	B	0.1	0.5%	0	n		
m	Mission Center Rd/ Camino el Rio North	32.9	C	22.2	C	-10.7	-32.5%	0	y		
m	Camino del Rio North/ I-8 wb ramp	20.4	C	20.1	C	-0.3	-1.5%	0	n		
m	Mission Center Rd/ I-8 eb ramp	21.4	C	21.3	C	-0.1	-0.5%	0	n		
q	Qualcomm Wy/ Quarry Falls Blvd	13.2	B	14.2	B	1	7.6%	0	n		
q	Qualcomm Wy/ M Street 3*	10.4	B	10.2	B	-0.2	-1.9%	0	n		
m	Qualcomm Wy/ Rio San Diego Dr	22.9	C	21.6	C	-1.3	-5.7%	0	n		
m	Qualcomm Wy/ Camino de la Reina	27.3	C	24.6	C	-2.7	-9.9%	0	n		
m	Camino de la Reina/ Camino del Este	17.5	B	17.5	B	0	0.0%	0	n		
m	Qualcomm Wy/ I-8 wb ramp	4.4	A	6.7	A	2.3	52.3%	0	n		
m	Camino del Rio North/ I-8 wb ramp*	6.9	A	6.9	A	0	0.0%	0	n		
m	Qualcomm Wy/ I-8 eb ramp	6.3	A	6.4	A	0.1	1.6%	0	n		
m	Texas St/ Camino del Rio South	27.4	C	26.6	C	-0.8	-2.9%	0	n		
n	Texas St/ Madison Ave	39.1	D	38.6	D	-0.5	-1.3%	0	n		
n	Texas St/ Monroe Ave*	18.4	C	18.1	C	-0.3	-1.6%	0	n		
n	Texas St/ Meade Ave	10.7	B	10.6	B	-0.1	-0.9%	0	n		
n	Texas St/ El Cajon Blvd	36.4	D	39.1	D	2.7	7.4%	0	y		
m	Rio San Diego Dr/ Fenton Pky	19.6	B	19.5	B	-0.1	-0.5%	0	n		
s	Phyllis Pl/ Franklin Ridge Rd	NA	NA	7.8	A						
s	Phyllis Pl/ I-805 sb ramp*	19.4	B	18.9	B	-0.5	-2.6%	0	n		
s	Phyllis Pl I-805 nb ramp*	23.1	C	17.2	B	-5.9	-25.5%	-1	y		
s	Murray Ridge Rd/ Mission Center Rd*	34.7	D	31.6	D	-3.1	-8.9%	0	y		
q	Murray Ridge Rd/ Pinecrest Ave*	19.6	C	20.6	C	1	5.1%	0	n		
s	Quarry Falls Blvd/ R Street 1*	14	B	11.4	B	-2.6	-18.6%	0	n		
q	Quarry Falls Blvd/ Via Alta	25.1	C	34.1	C	9	35.9%	0	y		
q	Quarry Falls Blvd/ C Street 1*	10.1	B	10.2	B	0.1	1.0%	0	n		
q	Quarry Falls Blvd/ Russell Park Wy	28	C	34.7	C	6.7	23.9%	0	y		
q	Russell Park Wy/ M Street 1*	12.5	B	14	B	1.5	12.0%	0	n		
q	Quarry Falls Blvd/ Community Ln	13.8	B	14.7	B	0.9	6.5%	0	n		
q	Quarry Falls Blvd/ Franklin Ridge Rd	14.8	B	14.9	B	0.1	0.7%	0	n		
q	Via Alta/ Franklin Ridge Rd	32.4	C	22	C	-10.4	-32.1%	0	y		
m	SR-163 sb ramp/ Ulric St*	15.5	C	15.5	C	0	0.0%	0	n		
m	Camino de la Reina/ I-8 wb ramp	12.1	B	11.7	B	-0.4	-3.3%	0	n		
						avg	-1.05	-2.8%	-0.1	17.9%	
						sum	-70.4		-5	12/67	

Box 1

Table 4: All Intersections in Study Area

		with mitigation data from tables 16-22 and 16-25		Table 10-4b		Table 15-4b					
Horizon Year PM Peak Hour Intersection Conditions		Without Convec.		With Convec.		with minus without					
area	Intersection	Delay	LOS	Delay	LOS	Delay (sec)	Delay	LOS	sig?		
m	Friars Rd/ Napa St	31.6	C	30.8	C	-0.8	-2.5%	0	n		
m	Friars Rd/ Colusa St	12.7	B	12.5	B	-0.2	-1.6%	0	n		
m	Friars Rd/ Via Las Cumbres	54.5	D	54.2	D	-0.3	-0.6%	0	n		
m	Friars Rd/ Fashion Valley Rd	-	-	-	-						
m	Friars Rd/ Via Moda	14.2	B	14.8	B	0.6	4.2%	0	n		
m	Friars Rd/ Avenida De Las Tiendas	16.9	B	17.1	B	0.2	1.2%	0	n		
m	Friars Rd/ SR-163 sb ramp/ Ulric Street	41.8	D	40.2	D	-1.6	-3.8%	0	n		
m	Friars Rd/ SR-163 nb ramp	32	C	39.7	D	7.7	24.1%	1	y		
m	Friars Rd/ Frazee Rd	63.3	E	51.9	D	-11.4	-18.0%	-1	y		
m	Friars Rd wb ramp/ Mission Center Rd	18.3	B	14.4	B	-3.9	-21.3%	0	n		
m	Friars Rd eb ramp/ Mission Center Rd	22.6	C	18.2	B	-4.4	-19.5%	-1	y		
m	Friars Rd/ Gill Village Wy*	0	A	0	A	0	0.0%	0	n		
m	Friars Rd wb ramp/ Qualcomm Wy	40.6	D	29.8	C	-10.8	-26.6%	-1	y		
m	Friars Rd eb ramp/ Qualcomm Wy	28.3	C	23.3	C	-5	-17.7%	0	y		
m	Friars Rd/ Rio Bonito Wy*	33	D	27.1	D	-5.9	-17.9%	0	y		
m	Friars Rd/ River Run Rd	21.8	C	26.5	C	4.7	21.6%	0	y		
m	Friars Rd/ Fenton Pky	168	F	138	F	-29.2	-17.4%	0	y		
m	Friars Rd/ Northside Dr	41.1	D	49.7	D	8.6	20.9%	0	y		
m	Friars Rd wb ramp/ Mission Village Dr	15.6	B	16.2	B	0.6	3.8%	0	n		
m	Friars Rd eb ramp/ Mission Village Dr	19.4	B	19.4	B	0	0.0%	0	n		
m	Friars Rd/ I-15 sb ramp	65.1	E	48.3	D	-16.8	-25.8%	-1	y		
m	Friars Rd/ I-15 nb ramp	10.5	B	8.8	A	-1.7	-16.2%	-1	n		
m	Friars Rd/ Rancho Mission Rd	30	C	28.7	C	-1.3	-4.3%	0	n		
g	Friars Rd/ Santo Rd	51.4	D	50.3	D	-1.1	-2.1%	0	n		
g	Friars Rd/ Riverdale St	119	F	117	F	-2	-1.0%	0	n		
g	Friars Rd/ Mission Gorge Rd	54.6	D	53.7	D	-0.9	-1.6%	0	n		
g	Mission Gorge Rd/ Zion Ave	35.8	D	34.8	C	-1	-2.8%	-1	n		
g	Mission Gorge Rd/ Old Cliffs Rd	9.1	A	8.8	A	-0.3	-3.3%	0	n		
g	Mission Gorge Rd/ Katelyn Ct	6.5	A	6.4	A	-0.1	-1.5%	0	n		
g	Mission Gorge Rd/ Princess View Dr	21.8	C	20.9	C	-0.9	-4.1%	0	n		
g	Mission Gorge Rd/ Margerum Ave	23.7	C	19.6	B	-4.1	-17.3%	-1	y		
g	Mission Gorge Rd/Jackson Dr	16.1	B	14.4	B	-1.7	-10.6%	0	n		
m	Mission Center Rd/ Quarry Falls Blvd	39.5	D	28.5	C	-11	-27.8%	-1	y		
m	Mission Center Rd/ Mission Center Drwy	51.5	D	35.4	D	-16.1	-31.3%	0	y		
m	Mission Center Rd/ Mission Center Ct	21.5	C	19	B	-2.5	-11.6%	-1	n		
m	Mission Center Rd/ Hazard Center Dr	34.4	C	38	D	3.6	10.5%	1	y		
m	Mission Center Rd/ Camino de la Reina	59.7	E	51.7	D	-8	-13.4%	-1	y		
m	Mission Center Rd/ Camino el Rio North	36.4	D	56.6	E	20.2	55.5%	1	y		
m	Camino del Rio North/ I-8 wb ramp	27.3	C	61.8	E	34.5	126.4%	2	y		
m	Mission Center Rd/ I-8 eb ramp	38.4	D	180	F	142	369.8%	2	y		
q	Qualcomm Wy/ Quarry Falls Blvd	18.7	B	18.6	B	-0.1	-0.5%	0	n		
q	Qualcomm Wy/ M Street 3*	24.6	C	14.8	B	-9.8	-39.8%	-1	y		
m	Qualcomm Wy/ Rio San Diego Dr	43.3	D	36.1	D	-7.2	-16.6%	0	y		
m	Qualcomm Wy/ Camino de la Reina	58.1	E	48.3	D	-9.8	-16.9%	-1	y		
m	Camino de la Reina/ Camino del Este	37.3	D	36.9	D	-0.4	-1.1%	0	n		
m	Qualcomm Wy/ I-8 wb ramp	-	-	16.3	B						
m	Camino del Rio North/ I-8 wb ramp*	7.1	A	7.1	A	0	0.0%	0	n		
m	Qualcomm Wy/ I-8 eb ramp	10.9	B	10.8	B	-0.1	-0.9%	0	n		
m	Texas St/ Camino del Rio South	62.8	E	44.6	D	-18.2	-29.0%	-1	y		
n	Texas St/ Madison Ave	54.1	D	51.7	F	-2.4	-4.4%	2	y		
n	Texas St/ Monroe Ave*	35	E	35	E	0	0.0%	0	n		
n	Texas St/ Meade Ave	14.5	B	14.4	B	-0.1	-0.7%	0	n		
n	Texas St/ El Cajon Blvd	70.5	E	70.1	E	-0.4	-0.6%	0	n		
m	Rio San Diego Dr/ Fenton Pky	88.2	F	79.4	E	-8.8	-10.0%	-1	y		
s	Phyllis Pl/ Franklin Ridge Rd	NA	NA	8.1	A						
s	Phyllis Pl/ I-805 sb ramp*	21.9	C	17.6	B	-4.3	-19.6%	-1	y		
s	Phyllis Pl I-805 nb ramp*	49.8	D	40.7	D	-9.1	-18.3%	0	y		
s	Murray Ridge Rd/ Mission Center Rd*	53.6	D	32.8	C	-20.8	-38.8%	-1	y		
s	Murray Ridge Rd/ Pinecrest Ave*	20.9	C	13.7	B	-7.2	-34.4%	-1	y		
q	Quarry Falls Blvd/ R Street 1*	24.2	C	13.6	B	-10.6	-43.8%	-1	y		
q	Quarry Falls Blvd/ Via Alta	36.5	D	42.6	D	6.1	16.7%	0	y		
q	Quarry Falls Blvd/ C Street 1*	11.9	B	12.2	B	0.3	2.5%	0	n		
q	Quarry Falls Blvd/ Russell Park Wy	27.6	C	30.8	C	3.2	11.6%	0	n		
q	Russell Park Wy/ M Street 1*	20.7	C	21.6	C	0.9	4.3%	0	n		
q	Quarry Falls Blvd/ Community Ln	51.1	D	36.5	D	-14.6	-28.6%	0	y		
q	Quarry Falls Blvd/ Franklin Ridge Rd	20.5	C	40.3	D	19.8	96.6%	1	y		
q	Via Alta/ Franklin Ridge Rd	28.8	C	35.1	D	6.3	21.9%	1	y		
m	SR-163 sb ramp/ Ulric St*	25	C	24.8	C	-0.2	-0.8%	0	n		
m	Camino de la Reina/ I-8 wb ramp	26.4	C	23.2	C	-3.2	-12.1%	0	n		
						avg	-0.15	2.3%	-0.1	50.0%	
						sum	-10.2		-7	33/66	

Box 2

*Unsignalized intersection.

Table 5: Intersections by Area

		with mitigation data from tables 16-22 and 16-25		Table 10-4a		Table 15-4a					
Horizon Year AM Peak Hour Intersection Conditions		Without Connec.		With Connec.		with minus without					
area	Intersection	Delay	LOS	Delay	LOS	Delay (sec)	Delay	LOS	sig?		
m	Friars Rd/ Napa St	20.7	C	19.4	B	-1.3	-6.3%	-1	n		
m	Friars Rd/ Colusa St	9.7	A	12.2	B	2.5	25.8%	1	n		
m	Friars Rd/ Via Las Cumbres	23.7	C	23.6	C	-0.1	-0.4%	0	n		
m	Friars Rd/ Fashion Valley Rd	14.3	B	14.9	B	0.6	4.2%	0	n		
m	Friars Rd/ Via Moda	5.6	A	4.3	A	-1.3	-23.2%	0	n		
m	Friars Rd/ Avenida De Las Tiendas	9.5	A	9.7	A	0.2	2.1%	0	n		
m	Friars Rd/ SR-163 sb ramp/ Ulric St	38.8	D	21.7	C						
m	Friars Rd/ SR-163 nb ramp	6.5	A	6.9	A	0.4	6.2%	0	n		
m	Friars Rd/ Frazee Rd	32.4	C	45.1	D	12.7	39.2%	1	y		
m	Friars Rd wb ramp/ Mission Center Rd	11.9	B	13.3	B	1.4	11.8%	0	n		
m	Friars Rd eb ramp/ Mission Center Rd	19.3	B	17.5	B	-1.8	-9.3%	0	n		
m	Friars Rd/ Gill Village Wy*	0	A	0	A	0	0.0%	0	n		
m	Friars Rd wb ramp/ Qualcomm Wy	13.9	B	10.6	B	-3.3	-23.7%	0	n		
m	Friars Rd eb ramp/ Qualcomm Wy	20	B	18.4	B	-1.6	-8.0%	0	n		
m	Friars Rd/ Rio Bonito Wy*	11.5	B	10.8	B	-0.7	-6.1%	0	n		
m	Friars Rd/ River Run Rd	15	B	14.9	B	-0.1	-0.7%	0	n		
m	Friars Rd/ Fenton Pky	20.2	C	18.8	B	-1.4	-6.9%	-1	n		
m	Friars Rd/ Northside Dr	22.8	C	23.6	C	0.8	3.5%	0	n		
m	Friars Rd wb ramp/ Mission Village Dr	14.9	B	11.6	B	-3.3	-22.1%	0	n		
m	Friars Rd eb ramp/ Mission Village Dr	15.3	B	15.2	B	-0.1	-0.7%	0	n		
m	Friars Rd/ I-15 sb ramp	26.2	C	25.2	C	-1	-3.8%	0	n		
m	Friars Rd/ I-15 nb ramp	7.4	A	5.6	A	-1.8	-24.3%	0	n		
m	Friars Rd/ Rancho Mission Rd	18.6	B	18.8	B	0.2	1.1%	0	n		
m	Mission Center Rd/ Quarry Falls Blvd	24.1	C	19.6	B	-4.5	-18.7%	-1	n		
m	Mission Center Rd/ Mission Center Drwy	20.2	C	18.4	B	-1.8	-8.9%	-1	n		
m	Mission Center Rd/ Mission Center Ct	15.9	B	15.3	B	-0.6	-3.8%	0	n		
m	Mission Center Rd/ Hazard Center Dr	14.3	B	14.3	B	0	0.0%	0	n		
m	Mission Center Rd/ Camino de la Reina	19.8	B	19.9	B	0.1	0.5%	0	n		
m	Mission Center Rd/ Camino el Rio North	32.9	C	22.2	C	-10.7	-32.5%	0	y		
m	Camino del Rio North/ I-8 wb ramp	20.4	C	20.1	C	-0.3	-1.5%	0	n		
m	Mission Center Rd/ I-8 eb ramp	21.4	C	21.3	C	-0.1	-0.5%	0	n		
m	Qualcomm Wy/ Rio San Diego Dr	22.9	C	21.6	C	-1.3	-5.7%	0	n		
m	Qualcomm Wy/ Camino de la Reina	27.3	C	24.6	C	-2.7	-9.9%	0	n		
m	Camino de la Reina/ Camino del Este	17.5	B	17.5	B	0	0.0%	0	n		
m	Qualcomm Wy/ I-8 wb ramp	4.4	A	6.7	A	2.3	52.3%	0	n		
m	Camino del Rio North/ I-8 wb ramp*	6.9	A	6.9	A	0	0.0%	0	n		
m	Qualcomm Wy/ I-8 eb ramp	6.3	A	6.4	A	0.1	1.6%	0	n		
m	Texas St/ Camino del Rio South	27.4	C	26.6	C	-0.8	-2.9%	0	n		
m	Rio San Diego Dr/ Fenton Pky	19.6	B	19.5	B	-0.1	-0.5%	0	n		
m	SR-163 sb ramp/ Ulric St*	15.5	C	15.5	C	0	0.0%	0	n		
m	Camino de la Reina/ I-8 wb ramp	12.1	B	11.7	B	-0.4	-3.3%	0	n		
		Box 1		avg		-0.50	-1.9%	-0.05			
q	Qualcomm Wy/ Quarry Falls Blvd	13.2	B	14.2	B	1	7.6%	0	n		
q	Qualcomm Wy/ M Street 3*	10.4	B	10.2	B	-0.2	-1.9%	0	n		
q	Quarry Falls Blvd/ R Street 1*	14	B	11.4	B	-2.6	-18.6%	0	n		
q	Quarry Falls Blvd/ Via Alta	25.1	C	34.1	C	9	35.9%	0	y		
q	Quarry Falls Blvd/ C Street 1*	10.1	B	10.2	B	0.1	1.0%	0	n		
q	Quarry Falls Blvd/ Russell Park Wy	28	C	34.7	C	6.7	23.9%	0	y		
q	Russell Park Wy/ M Street 1*	12.5	B	14	B	1.5	12.0%	0	n		
q	Quarry Falls Blvd/ Community Ln	13.8	B	14.7	B	0.9	6.5%	0	n		
q	Quarry Falls Blvd/ Franklin Ridge Rd	14.8	B	14.9	B	0.1	0.7%	0	n		
q	Via Alta/ Franklin Ridge Rd	32.4	C	22	C	-10.4	-32.1%	0	y		
		Box 2		avg		0.61	3.5%	0.00			
MV + QF Combined		Box 3		avg		-0.27	-0.8%	-0.04			
s	Phyllis Pl/ Franklin Ridge Rd	NA	NA	7.8	A						
s	Phyllis Pl/ I-805 sb ramp*	19.4	B	18.9	B	-0.5	-2.6%	0	n		
s	Phyllis Pl I-805 nb ramp*	23.1	C	17.2	B	-5.9	-25.5%	-1	y		
s	Murray Ridge Rd/ Mission Center Rd*	34.7	D	31.6	D	-3.1	-8.9%	0	y		
s	Murray Ridge Rd/ Pinecrest Ave*	19.6	C	20.6	C	1	5.1%	0	n		
		Box 4		avg		-2.13	-8.0%	-0.25			

Table 5: Intersections by Area

		with mitigation data from tables 16-22 and 16-25		Table 10-4b		Table 15-4b				
Horizon Year PM Peak Hour Intersection Conditions		Without Connec.		With Connec.		with minus without				
area	Intersection	Delay	LOS	Delay	LOS	Delay (sec)	Delay	LOS	sig?	
m	Friars Rd/ Napa St	31.6	C	30.8	C	-0.8	-2.5%	0	n	
m	Friars Rd/ Colusa St	12.7	B	12.5	B	-0.2	-1.6%	0	n	
m	Friars Rd/ Via Las Cumbres	54.5	D	54.2	D	-0.3	-0.6%	0	n	
m	Friars Rd/ Fashion Valley Rd	-	-	-	-					
m	Friars Rd/ Via Moda	14.2	B	14.8	B	0.6	4.2%	0	n	
m	Friars Rd/ Avenida De Las Tiendas	16.9	B	17.1	B	0.2	1.2%	0	n	
m	Friars Rd/ SR-163 sb ramp/ Ulric Street	41.8	D	40.2	D	-1.6	-3.8%	0	n	
m	Friars Rd/ SR-163 nb ramp	32	C	39.7	D	7.7	24.1%	1	y	
m	Friars Rd/ Frazee Rd	63.3	E	51.9	D	-11.4	-18.0%	-1	y	
m	Friars Rd wb ramp/ Mission Center Rd	18.3	B	14.4	B	-3.9	-21.3%	0	n	
m	Friars Rd eb ramp/ Mission Center Rd	22.6	C	18.2	B	-4.4	-19.5%	-1	y	
m	Friars Rd/ Gill Village Wy*	0	A	0	A	0	0.0%	0	n	
m	Friars Rd wb ramp/ Qualcomm Wy	40.6	D	29.8	C	-10.8	-26.6%	-1	y	
m	Friars Rd eb ramp/ Qualcomm Wy	28.3	C	23.3	C	-5	-17.7%	0	y	
m	Friars Rd/ Rio Bonito Wy*	33	D	27.1	D	-5.9	-17.9%	0	y	
m	Friars Rd/ River Run Rd	21.8	C	26.5	C	4.7	21.6%	0	y	
m	Friars Rd/ Fenton Pky	167.5	F	138.3	F	-29.2	-17.4%	0	y	
m	Friars Rd/ Northside Dr	41.1	D	49.7	D	8.6	20.9%	0	y	
m	Friars Rd wb ramp/ Mission Village Dr	15.6	B	16.2	B	0.6	3.8%	0	n	
m	Friars Rd eb ramp/ Mission Village Dr	19.4	B	19.4	B	0	0.0%	0	n	
m	Friars Rd/ I-15 sb ramp	65.1	E	48.3	D	-16.8	-25.8%	-1	y	
m	Friars Rd/ I-15 nb ramp	10.5	B	8.8	A	-1.7	-16.2%	-1	n	
m	Friars Rd/ Rancho Mission Rd	30	C	28.7	C	-1.3	-4.3%	0	n	
m	Mission Center Rd/ Quarry Falls Blvd	39.5	D	28.5	C	-11	-27.8%	-1	y	
m	Mission Center Rd/ Mission Center Drwy	51.5	D	35.4	D	-16.1	-31.3%	0	y	
m	Mission Center Rd/ Mission Center Ct	21.5	C	19	B	-2.5	-11.6%	-1	n	
m	Mission Center Rd/ Hazard Center Dr	34.4	C	38	D	3.6	10.5%	1	y	
m	Mission Center Rd/ Camino de la Reina	59.7	E	51.7	D	-8	-13.4%	-1	y	
m	Mission Center Rd/ Camino el Rio North	36.4	D	56.6	E	20.2	55.5%	1	y	
m	Camino del Rio North/ I-8 wb ramp	27.3	C	61.8	E	34.5	126.4%	2	y	
m	Mission Center Rd/ I-8 eb ramp	38.4	D	180.4	F	142	369.8%	2	y	
m	Qualcomm Wy/ Rio San Diego Dr	43.3	D	36.1	D	-7.2	-16.6%	0	y	
m	Qualcomm Wy/ Camino de la Reina	58.1	E	48.3	D	-9.8	-16.9%	-1	y	
m	Camino de la Reina/ Camino del Este	37.3	D	36.9	D	-0.4	-1.1%	0	n	
m	Qualcomm Wy/ I-8 wb ramp	-	-	16.3	B					
m	Camino del Rio North/ I-8 wb ramp*	7.1	A	7.1	A	0	0.0%	0	n	
m	Qualcomm Wy/ I-8 eb ramp	10.9	B	10.8	B	-0.1	-0.9%	0	n	
m	Texas St/ Camino del Rio South	62.8	E	44.6	D	-18.2	-29.0%	-1	y	
m	Rio San Diego Dr/ Fenton Pky	88.2	F	79.4	E	-8.8	-10.0%	-1	y	
m	SR-163 sb ramp/ Ulric St*	25	C	24.8	C	-0.2	-0.8%	0	n	
m	Camino de la Reina/ I-8 wb ramp	26.4	C	23.2	C	-3.2	-12.1%	0	n	
		Box 5		avg		1.13	7.0%	-0.10		
q	Qualcomm Wy/ Quarry Falls Blvd	18.7	B	18.6	B	-0.1	-0.5%	0	n	
q	Qualcomm Wy/ M Street 3*	24.6	C	14.8	B	-9.8	-39.8%	-1	y	
q	Quarry Falls Blvd/ R Street 1*	24.2	C	13.6	B	-10.6	-43.8%	-1	y	
q	Quarry Falls Blvd/ Via Alta	36.5	D	42.6	D	6.1	16.7%	0	y	
q	Quarry Falls Blvd/ C Street 1*	11.9	B	12.2	B	0.3	2.5%	0	n	
q	Quarry Falls Blvd/ Russell Park Wy	27.6	C	30.8	C	3.2	11.6%	0	n	
q	Russell Park Wy/ M Street 1*	20.7	C	21.6	C	0.9	4.3%	0	n	
q	Quarry Falls Blvd/ Community Ln	51.1	D	36.5	D	-14.6	-28.6%	0	y	
q	Quarry Falls Blvd/ Franklin Ridge Rd	20.5	C	40.3	D	19.8	96.6%	1	y	
q	Via Alta/ Franklin Ridge Rd	28.8	C	35.1	D	6.3	21.9%	1	y	
		Box 6		avg		0.15	4.1%	0.00		
MV + QF Combined		Box 7		avg		0.93	6.4%	-0.08		
s	Phyllis Pl/ Franklin Ridge Rd	NA	NA	8.1	A					
s	Phyllis Pl/ I-805 sb ramp*	21.9	C	17.6	B	-4.3	-19.6%	-1	y	
s	Phyllis Pl/ I-805 nb ramp*	49.8	D	40.7	D	-9.1	-18.3%	0	y	
s	Murray Ridge Rd/ Mission Center Rd*	53.6	D	32.8	C	-20.8	-38.8%	-1	y	
s	Murray Ridge Rd/ Pinecrest Ave*	20.9	C	13.7	B	-7.2	-34.4%	-1	y	
		Box 8		avg		-10.35	-27.8%	-0.75		

*Unsignalized intersection.

Table 6: Intersections with Significant Change

		Table 10-4a		Table 15-4a					
		Without Connec.		With Connec.		with minus without			
Horizon Year AM Peak Hour Intersection Conditions		Delay	LOS	Delay	LOS	Delay (sec)	Delay	LOS	sig?
area	Intersection								
g	Friars Rd/ Santo Rd	47.7	D	31.8	C	-15.9	-33.3%	-1	y
g	Mission Gorge Rd/ Princess View Dr	50.4	D	37.7	D	-12.7	-25.2%	0	y
m	Mission Center Rd/ Camino el Rio North	32.9	C	22.2	C	-10.7	-32.5%	0	y
q	Via Alta/ Franklin Ridge Rd	32.4	C	22	C	-10.4	-32.1%	0	y
g	Mission Gorge Rd/ Old Cliffs Rd	30.8	C	20.8	C	-10	-32.5%	0	y
g	Friars Rd/ Riverdale St	95.3	F	87.2	F	-8.1	-8.5%	0	y
s	Phyllis Pl I-805 nb ramp*	23.1	C	17.2	B	-5.9	-25.5%	-1	y
s	Murray Ridge Rd/ Mission Center Rd*	34.7	D	31.6	D	-3.1	-8.9%	0	y
				avg		-9.6	-24.8%	-0.25	Box 1
m/q	avg					-10.55	-32.3%		
n	Texas St/ El Cajon Blvd	36.4	D	39.1	D	2.7	7.4%	0	y
q	Quarry Falls Blvd/ Russell Park Wy	28	C	34.7	C	6.7	23.9%	0	y
q	Quarry Falls Blvd/ Via Alta	25.1	C	34.1	C	9	35.9%	0	y
m	Friars Rd/ Frazee Rd	32.4	C	45.1	D	12.7	39.2%	1	y
				avg		7.775	26.6%	0.25	Box 2
m/q	avg					9.47	-108.3%		
m/q	overall avg					1.46	6.9%		

*Unsignalized intersection.

Table 6: Intersections with Significant Change

		with mitigation data from tables 16-22 and 16-25		Table 10-4b		Table 15-4b				
Horizon Year PM Peak Hour Intersection Conditions		Without Connec.		With Connec.		with minus without				
area	Intersection	Delay	LOS	Delay	LOS	Delay (sec)	Delay	LOS	sig?	
m	Friars Rd/ Fenton Pky	167.5	F	138.3	F	-29.2	-17.4%	0	y	
s	Murray Ridge Rd/ Mission Center Rd*	53.6	D	32.8	C	-20.8	-38.8%	-1	y	
m	Texas St/ Camino del Rio South	62.8	E	44.6	D	-18.2	-29.0%	-1	y	
m	Friars Rd/ I-15 sb ramp	65.1	E	48.3	D	-16.8	-25.8%	-1	y	
m	Mission Center Rd/ Mission Center Drwy	51.5	D	35.4	D	-16.1	-31.3%	0	y	
q	Quarry Falls Blvd/ Community Ln	51.1	D	36.5	D	-14.6	-28.6%	0	y	
m	Friars Rd/ Frazee Rd	63.3	E	51.9	D	-11.4	-18.0%	-1	y	
m	Mission Center Rd/ Quarry Falls Blvd	39.5	D	28.5	C	-11	-27.8%	-1	y	
m	Friars Rd wb ramp/ Qualcomm Wy	40.6	D	29.8	C	-10.8	-26.6%	-1	y	
q	Quarry Falls Blvd/ R Street 1*	24.2	C	13.6	B	-10.6	-43.8%	-1	y	
m	Qualcomm Wy/ Camino de la Reina	58.1	E	48.3	D	-9.8	-16.9%	-1	y	
q	Qualcomm Wy/ M Street 3*	24.6	C	14.8	B	-9.8	-39.8%	-1	y	
s	Phyllis Pl I-805 nb ramp*	49.8	D	40.7	D	-9.1	-18.3%	0	y	
m	Rio San Diego Dr/ Fenton Pky	88.2	F	79.4	E	-8.8	-10.0%	-1	y	
m	Mission Center Rd/ Camino de la Reina	59.7	E	51.7	D	-8	-13.4%	-1	y	
s	Murray Ridge Rd/ Pinecrest Ave*	20.9	C	13.7	B	-7.2	-34.4%	-1	y	
m	Qualcomm Wy/ Rio San Diego Dr	43.3	D	36.1	D	-7.2	-16.6%	0	y	
m	Friars Rd/ Rio Bonito Wy*	33	D	27.1	D	-5.9	-17.9%	0	y	
m	Friars Rd eb ramp/ Qualcomm Wy	28.3	C	23.3	C	-5	-17.7%	0	y	
m	Friars Rd eb ramp/ Mission Center Rd	22.6	C	18.2	B	-4.4	-19.5%	-1	y	
s	Phyllis Pl I-805 sb ramp*	21.9	C	17.6	B	-4.3	-19.6%	-1	y	
g	Mission Gorge Rd/ Margerum Ave	23.7	C	19.6	B	-4.1	-17.3%	-1	y	
n	Texas St/ Madison Ave	54.1	D	51.7	F	-2.4	-4.4%	2	y	
						avg	-10.67	-23.2%	-0.57	Box 3
m/q avg							-11.6235	-23.5%		
m	Mission Center Rd/ Hazard Center Dr	34.4	C	38	D	3.6	10.5%	1	y	
m	Friars Rd/ River Run Rd	21.8	C	26.5	C	4.7	21.6%	0	y	
q	Quarry Falls Blvd/ Via Alta	36.5	D	42.6	D	6.1	16.7%	0	y	
q	Via Alta/ Franklin Ridge Rd	28.8	C	35.1	D	6.3	21.9%	1	y	
m	Friars Rd/ SR-163 nb ramp	32	C	39.7	D	7.7	24.1%	1	y	
m	Friars Rd/ Northside Dr	41.1	D	49.7	D	8.6	20.9%	0	y	
q	Quarry Falls Blvd/ Franklin Ridge Rd	20.5	C	40.3	D	19.8	96.6%	1	y	
m	Mission Center Rd/ Camino el Rio North	36.4	D	56.6	E	20.2	55.5%	1	y	
m	Camino del Rio North/ I-8 wb ramp	27.3	C	61.8	E	34.5	126.4%	2	y	
m	Mission Center Rd/ I-8 eb ramp	38.4	D	180.4	F	142	369.8%	2	y	
(all m/q)						avg	25.35	76%	0.90	Box 4
m/q overall avg							2.07	13.5%		

Table 7: Horizon Year Ramp Meter Conditions

Table 10-5, 15-5 a&b

Location	without road connection					with road connection					with minus without			
	Meter Rate (veh/hr)	Demand (veh/hr)	Excess Demand (veh/hr)	Delay (min)	Queue (feet)	Meter Rate (veh/hr)	Demand (veh/hr)	Excess Demand (veh/hr)	Delay (min)	Queue (feet)	demand	demand	Delay (min)	Delay
<i>Tables (a): calculated delay & queue</i>														
AM Peak Hour														
I-805 NB at Murray Ridge	394	391	0	0.0	0	394	654	260	39.6	6,500	263	67.3%	39.6	100.0%
I-15 NB at Friars Rd	516	1336	820	95.3	20,500	516	1354	322	37.4	8,050	18	1.3%	-57.9	-60.7%
I-15 NB at Friars Rd (HOV)	516	144	0	0.0	0	516	144	0	0.0	0	0	0.0%	0.0	0.0%
PM Peak Hour														
I-805 SB at Murray Ridge	287	517	230	48.1	5,750	287	1179	892	186.5	22,300	662	128.0%	138.4	287.8%
I-805 SB at Murray Ridge (HOV)	287	40	0	0.0	0	287	40	0	0.0	0	0	0.0%	0.0	0.0%
I-8 EB at SB Texas St	318	787	469	88.5	11,725	318	850	532	100.4	13,300	63	8.0%	11.9	13.4%
I-8 EB at SB Texas St (HOV)	318	57	0	0.0	0	318	57	0	0.0	0	0	0.0%	0.0	0.0%
I-8 EB at NB Texas St	626	644	18	1.7	450	626	658	32	3.1	800	14	2.2%	1.3	77.8%
I-15 NB at Friars Rd	386	1357	971	150.9	24,275	386	1377	605	94.0	15,125	20	1.5%	-56.9	-37.7%
I-15 NB at Friars Rd (HOV)	386	132	0	0.0	0	386	132	0	0.0	0	0	0.0%	0.0	0.0%
I-15 SB at Friars Rd	660	1027	367	33.4	9,175	660	983	323	29.4	8,075	-44	-4.3%	-4.0	-12.0%
I-15 SB at Friars Rd (I-8 Bypass)	492	935	443	54.0	11,075	492	951	459	56.0	11,475	16	1.7%	2.0	3.6%
max: 150.9					max: 186.5					84.3333	17.1%	6.1977	avg	
<i>Tables (b): 15 minute maximum delay</i>														
AM Peak Hour														
I-805 NB at Murray Ridge	394	391	0	0.0	0	394	654	260	39.6	6,500	263	67.3%	39.6	100.0%
I-15 NB at Friars Rd	1069	1336	267	15.0	6,675	1069	1354	285	16.0	7,125	18	1.3%	1.0	6.7%
I-15 NB at Friars Rd (HOV)	516	144	0	0.0	0	516	144	0	0.0	0	0	0.0%	0.0	0.0%
PM Peak Hour														
I-805 SB at Murray Ridge	414	517	103	14.9	2,575	414	1179	765	110.9	19,125	662	128.0%	95.9	642.7%
I-805 SB at Murray Ridge (HOV)	287	40	0	0.0	0	287	40	0	0.0	0	0	0.0%	0.0	0.0%
I-8 EB at SB Texas St	630	787	157	15.0	3,925	630	850	220	21.0	5,500	63	8.0%	6.0	40.1%
I-8 EB at SB Texas St (HOV)	318	57	0	0.0	0	318	57	0	0.0	0	0	0.0%	0.0	0.0%
I-8 EB at NB Texas St	626	644	18	1.7	450	626	658	32	3.1	800	14	2.2%	1.3	77.8%
I-15 NB at Friars Rd	1085	1357	272	15.0	6,800	1085	1377	292	16.1	7,300	20	1.5%	1.1	7.4%
I-15 NB at Friars Rd (HOV)	386	132	0	0.0	0	386	132	0	0.0	0	0	0.0%	0.0	0.0%
I-15 SB at Friars Rd	822	1027	205	15.0	5,125	822	983	161	11.8	4,025	-44	-4.3%	-3.2	-21.5%
I-15 SB at Friars Rd (I-8 Bypass)	748	935	187	15.0	4,675	748	951	203	16.3	5,075	16	1.7%	1.3	8.6%
max: 15.0					max: 110.9					84.3333	17.1%	11.922	avg	
Box 1														
											1012		74.373	sum
Box 2														
											1012		143.07	sum
Box 3														

"Ramp meter delays above 15 minutes are not acceptable."

Table 8: Roadway Segments with Significant Change In Mission Valley

Horizon Year Roadway Segment Conditions, with mitigation data from tables 16-20 and 16-23		Table 10-1			Table 15-1			with minus without						
		Without Connec.			With Connec.			ADT	ADT	V/C	V/C	LOS	sig?	
area	Roadway Segment	Lanes/Class	ADT	V/C	LOS	ADT	V/C	LOS	ADT	ADT	V/C	V/C	LOS	sig?
Friars Road														
m	SR-163 nb ramps to Frazee Rd	6/Prime	72,119	0.9	D	66,005	0.83	C	-6,114	-8.5%	-0.076	-8.4%	-1	y
m	Frazee Road to Mission Center Rd	6/Expressway	56,930	0.71	C	50,424	0.63	C	-6,506	-11.4%	-0.082	-11.5%		y
m	Mission Center Rd to Gill Village Wy	6/Expressway	60,602	0.76	D	54,773	0.69	C	-5,829	-9.6%	-0.073	-9.6%	-1	y
m	Gill Village Wy to Qualcomm Wy	6/Expressway	59,843	0.75	C	54,160	0.68	C	-5,683	-9.5%	-0.071	-9.5%		y
m	Qualcomm Wy to Rio Bonito Wy	6/Expressway	53,754	0.67	C	47,632	0.6	C	-6,122	-11.4%	-0.077	-11.5%		y
m	Rio Bonito Wy to River Run Rd	6/Expressway	54,747	0.68	C	48,573	0.61	C	-6,174	-11.3%	-0.077	-11.3%		y
m	River Run Rd to Fenton Pky	6/Prime	54,766	0.91	D	48,904	0.82	C	-5,862	-10.7%	-0.098	-10.7%	-1	y
m	Fenton Pky to Northside Dr	6/Prime	50,518	0.84	D	45,626	0.76	C	-4,892	-9.7%	-0.082	-9.7%	-1	y
m	Northside Dr to Mission Village Rd	6/Expressway	68,600	0.86	D	64,086	0.8	D	-4,514	-6.6%	-0.057	-6.6%		y
m	Mission Village Rd to I-15 sb ramps	6/Expressway	68,326	0.85	D	64,205	0.8	D	-4,121	-6.0%	-0.051	-6.0%		y
m	I-15 sb ramps to I-15 nb ramps	6/Prime	65,570	1.09	F	63,010	1.05	F	-2,560	-3.9%	-0.043	-3.9%		y
Mission Center Road														
m,s	Sevan Ct to Mission Valley Rd	4/Collector	18,930	0.63	C	13,582	0.45	B	-5,348	-28.3%	-0.178	-28.2%	-1	y
m	Camino de la Reina to Camino del Rio North	5/Major	36,174	0.8	D	34,102	0.76	C	-2,072	-5.7%	-0.046	-5.7%	-1	y
Qualcomm Way														
m	Friars Rd to Rio San Diego Dr	6/Major	33,271	0.67	C	29,280	0.59	C	-3,991	-12.0%	-0.079	-11.9%		y
m	Rio San Diego Dr to Camino de la Reina	6/Major	45,177	0.9	E	41,238	0.83	D	-3,939	-8.7%	-0.079	-8.7%	-1	y
m	ramps	6/Major	36,342	0.73	C	34,010	0.68	C	-2,332	-6.4%	-0.047	-6.5%		y
m	Camino del Rio North/ I-8 wb ramps to I-8 eb ramps	6/Major	48,918	0.98	E	47,656	0.95	E	-1,262	-2.6%	-0.025	-2.6%		y
Fenton Parkway														
m	Friars Rd to Rio San Diego Dr	4/Collector	23,817	0.79	D	22,744	0.76	D	-1,073	-4.5%	-0.036	-4.5%		y
Quarry Falls Blvd														
q	Mission Center Rd to R St 1	4/Collector	14,490	0.48	C	12,392	0.41	B	-2,098	-14.5%	-0.07	-14.5%	-1	y
q	Russell Park Wy to Community Ln	4/Collector	14,458	0.48	C	10,893	0.36	B	-3,565	-24.7%	-0.119	-24.7%	-1	y
Russell Park Way														
q	Friars Rd to M Street 1	2/C w/TWLT	11,048	0.74	D	7,488	0.5	C	-3,560	-32.2%	-0.238	-32.3%	-1	y
avg: -0.071														
-0.142														
0.055														
0.459														
Mission Center Road														
m	Mission Valley Rd to Friars Rd	4/Major	28,898	0.72	C	30,387	0.76	D	1,489	5.2%	0.038	5.3%	1	y
m	Camino del Rio North to I-8 eb ramp	4/Major	46,766	1.04	F	44,424	1.11	F	-2,342	-5.0%	0.072	6.9%		y
Quarry Falls Blvd														
q	Qualcomm Wy to Franklin Ridge Rd	4/Collector	10,368	0.35	B	16,094	0.54	C	5,726	55.2%	0.19	54.9%	1	y
Via Alta														
q	Quarry Falls Blvd to Franklin Ridge Rd	2/C w/TWLT	9,466	0.63	C	18,009	1.2	F	8,543	90.2%	0.57	90.3%	3	y
Franklin Ridge Road														
q	Quarry Falls Blvd to Via Alta	2/C w/TWLT	5,614	0.37	B	14,858	0.99	E	9,244	164.7%	0.617	165.0%	3	y

Box 1:					
avg	-4,172	-11.3%	-0.08	-11.4%	-1
sum	-87,617		-1.70		-10

Box 2:					
avg	4,532	62.1%	0.30	64.5%	2
sum	22,660		1.49		8

Box 3:			
overall MV		-0.058	-7.7%
overall QF		0.158	39.8%
overall MV + QF		-0.008	3.2%

Quarry Falls Traffic Impact Analysis: Horizon Year Peak Hour Freeway Mainline Conditions

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Table 10-6: Horizon Year Peak Hour Freeway Mainline Conditions - Without Road Connection, page163

Table 15-6: Horizon Year Peak Hour Freeway Mainline Conditions - With Road Connection, page 254

SM-CPA(PP)

Segment	Without Phyllis Place Connection				With Phyllis Place Connection				Difference: With Minus Without		
	Directional ADT	Peak Volume	V/C	LOS	Directional ADT	Peak Volume	V/C	LOS	Directional ADT	Peak Volume	V/C
AM Peak Hour											
I-8 (West)											
SR-163 to Mission Center Rd	122,002	10,906	1.214	F(0)	125,361	11,114	1.237	F(0)	3,359	208	0.023
Mission Center Rd to Qualcomm Wy	137,460	12,289	1.368	F(2)	137,943	12,319	1.371	F(2)	483	30	0.003
Qualcomm Wy to I-805	93,331	8,448	0.940	E	90,488	8,272	0.921	D	-2,843	-176	-0.019
I-805 (North)											
I-8 to Phyllis Pl to Murray Ridge Rd	118,161	13,770	1.226	F(0)	119,464	13,850	1.233	F(0)	1,303	80	0.007
North of Phyllis Pl	114,600	13,357	1.189	F(0)	118,844	13,620	1.213	F(0)	4,244	263	0.024
SR-163 (North)											
I-8 to Friars Rd	109,438	9,715	1.081	F(0)	110,900	9,805	1.091	F(0)	1,462	90	0.010
Friars Rd to Genesee Ave	132,675	11,776	1.311	F(1)	129,951	11,608	1.292	F(1)	-2,724	-168	-0.019
I-15 (North)											
North of Friars Rd	90,783	9,530	1.061	F(0)	89,313	9,439	1.051	F(0)	-1,470	-91	-0.010
South of Friars Rd	98,067	10,344	1.151	F(0)	97,518	10,310	1.147	F(0)	-549	-34	-0.004
PM Peak Hour											
I-8 (East)											
SR-163 to Mission Center Rd	106,932	11,565	1.287	F(1)	109,437	11,809	1.314	F(1)	2,505	244	0.027
Mission Center Rd to Qualcomm Wy	109,204	11,811	1.315	F(1)	109,534	11,843	1.318	F(1)	330	32	0.003
Qualcomm Wy to I-805	79,015	8,545	0.951	E	75,988	8,251	0.918	D	-3,027	-294	-0.033
I-805 (South)											
I-8 to Phyllis Pl to Murray Ridge Rd	123,286	13,558	1.207	F(0)	124,100	13,637	1.214	F(0)	814	79	0.007
North of Phyllis Pl	117,791	12,954	1.153	F(0)	120,418	13,210	1.176	F(0)	2,627	256	0.023
SR-163 (South)											
I-8 to Friars Rd	123,243	10,839	1.206	F(0)	124,095	10,922	1.216	F(0)	852	83	0.010
Friars Rd to Genesee Ave	132,186	11,625	1.294	F(1)	130,776	11,487	1.279	F(1)	-1,410	-138	-0.015
I-15 (South)											
North of Friars Rd	98,651	8,455	0.941	E	94,224	8,316	0.926	D	-4,427	-139	-0.015
South of Friars Rd	92,735	7,945	0.884	D	92,171	7,890	0.878	D	-564	-55	-0.006
<u>1,999,560</u> sum				<u>2,000,525</u> sum				average v/c: <u>0.0009</u>			
				965				difference with Phyllis Place			