

TECHNICAL APPENDIX

FOR

**1115 EAST HIGHWAY 120
GLOBAL CARRIER TRUCKING, SAN JOAQUIN COUNTY, CA
TRAFFIC IMPACT ANALYSIS**

Prepared For:

**SAN JOAQUIN COUNTY
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION DIVISION**
1810 East Hazelton Avenue
Stockton, CA 95205

Prepared By:

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November 26, 2019

6560-31

KD Anderson & Associates, Inc.

Transportation Engineers

TRAFFIC COUNTS

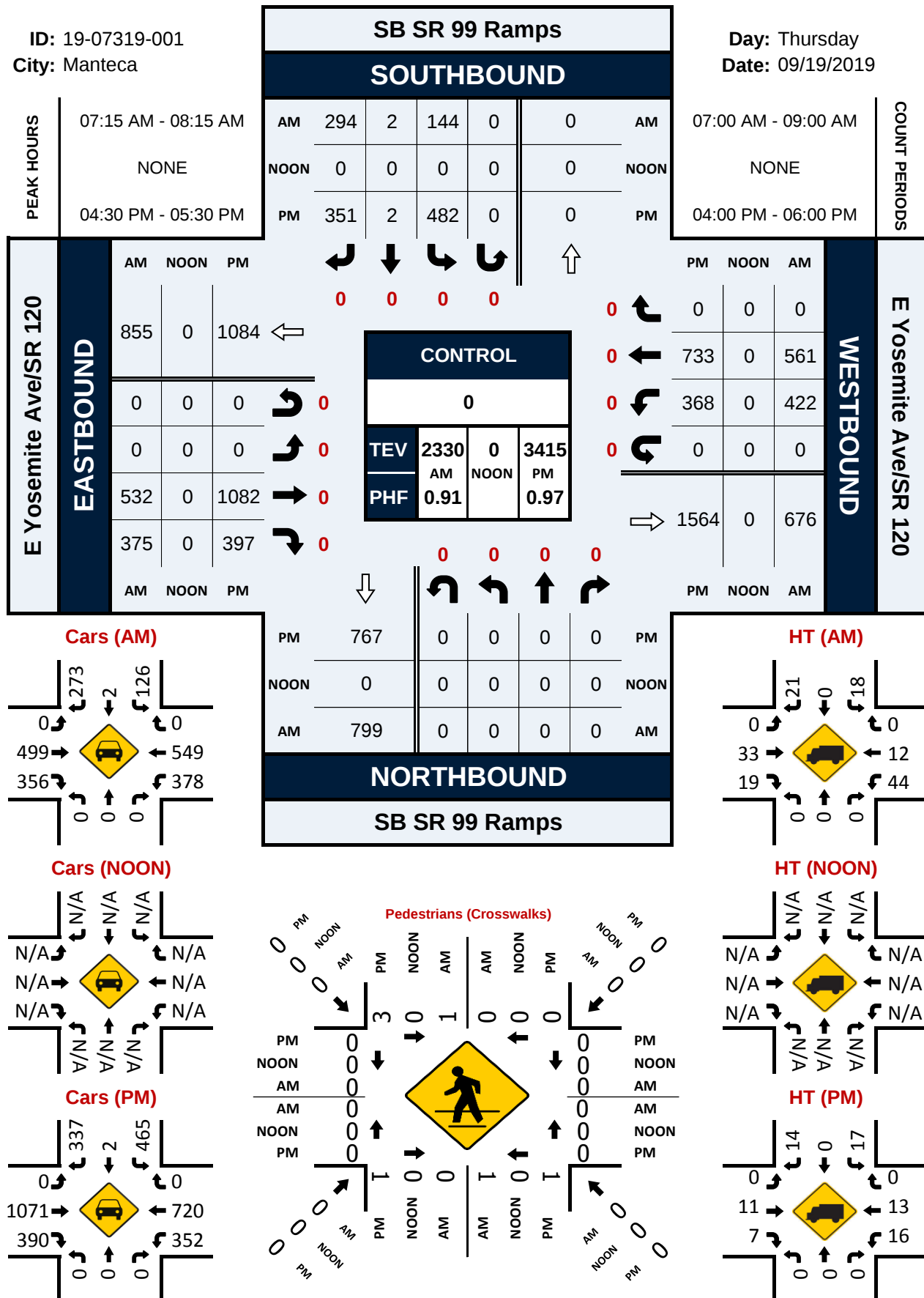
Prepared by National Data & Surveying Services

SB SR 99 Ramps & E Yosemite Ave/SR 120

Peak Hour Turning Movement Count

ID: 19-07319-001
City: Manteca

Day: Thursday
Date: 09/19/2019



National Data & Surveying Services

Intersection Turning Movement Count

Location: SB SR 99 Ramps & E Yosemite Ave/SR 120
City: Manteca
Control:

Project ID: 19-07319-001
Date: 9/19/2019

Total																	
NS/EW Streets:		SB SR 99 Ramps				SB SR 99 Ramps				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120			
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
7:00 AM	0	0	0	0	39	3	60	0	0	74	72	0	97	144	0	0	489
7:15 AM	0	0	0	0	31	1	52	0	0	102	84	0	120	124	0	0	514
7:30 AM	0	0	0	0	40	1	52	0	0	171	107	0	105	136	0	0	612
7:45 AM	0	0	0	0	43	0	92	0	0	138	93	0	105	167	0	0	638
8:00 AM	0	0	0	0	30	0	98	0	0	121	91	0	92	134	0	0	566
8:15 AM	0	0	0	0	43	0	70	0	0	107	69	0	82	129	0	0	500
8:30 AM	0	0	0	0	55	0	78	0	0	116	62	0	104	125	0	0	540
8:45 AM	0	0	0	0	58	1	116	0	0	108	74	0	88	172	0	0	617
TOTAL VOLUMES :	NL 0	NT 0	NR 0	NU 0	SL 339	ST 6	SR 618	SU 0	EL 0	ET 937	ER 652	EU 0	WL 793	WT 1131	WR 0	WU 0	TOTAL 4476
APPROACH %'s :					35.20%	0.62%	64.17%	0.00%	0.00%	58.97%	41.03%	0.00%	41.22%	58.78%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	0	0	0	144	2	294	0	0	532	375	0	422	561	0	0	2330
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.837	0.500	0.750	0.000	0.000	0.778	0.876	0.000	0.879	0.840	0.000	0.000	0.913
						0.815				0.816				0.903			
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
4:00 PM	0	0	0	0	115	1	75	0	0	240	86	0	98	171	0	0	786
4:15 PM	0	0	0	0	121	1	94	0	0	235	92	0	74	185	0	0	802
4:30 PM	0	0	0	0	133	0	95	0	0	262	90	0	107	180	0	0	867
4:45 PM	0	0	0	0	102	0	81	0	0	262	97	0	85	193	0	0	820
5:00 PM	0	0	0	0	125	1	78	0	0	272	111	0	93	172	0	0	852
5:15 PM	0	0	0	0	122	1	97	0	0	286	99	0	83	188	0	0	876
5:30 PM	0	0	0	0	102	5	70	0	0	212	121	0	93	154	0	0	757
5:45 PM	0	0	0	0	106	2	88	0	0	179	96	0	114	176	0	0	761
TOTAL VOLUMES :	NL 0	NT 0	NR 0	NU 0	SL 926	ST 11	SR 678	SU 0	EL 0	ET 1948	ER 792	EU 0	WL 747	WT 1419	WR 0	WU 0	TOTAL 6521
APPROACH %'s :					57.34%	0.68%	41.98%	0.00%	0.00%	71.09%	28.91%	0.00%	34.49%	65.51%	0.00%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	0	0	0	482	2	351	0	0	1082	397	0	368	733	0	0	3415
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.906	0.500	0.905	0.000	0.000	0.946	0.894	0.000	0.860	0.949	0.000	0.000	0.975
						0.916				0.960				0.959			

National Data & Surveying Services

Intersection Turning Movement Count

Location: SB SR 99 Ramps & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-001
Date: 9/19/2019

Cars																	
NS/EW Streets:	SB SR 99 Ramps				SB SR 99 Ramps				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
7:00 AM	0	0	0	0	31	3	58	0	0	68	71	0	94	138	0	0	463
7:15 AM	0	0	0	0	26	1	48	0	0	95	80	0	109	119	0	0	478
7:30 AM	0	0	0	0	38	1	48	0	0	160	101	0	94	134	0	0	576
7:45 AM	0	0	0	0	37	0	86	0	0	134	90	0	94	165	0	0	606
8:00 AM	0	0	0	0	25	0	91	0	0	110	85	0	81	131	0	0	523
8:15 AM	0	0	0	0	36	0	61	0	0	101	65	0	67	127	0	0	457
8:30 AM	0	0	0	0	50	0	73	0	0	104	56	0	92	122	0	0	497
8:45 AM	0	0	0	0	52	1	110	0	0	102	70	0	77	167	0	0	579
TOTAL VOLUMES : APPROACH %'s :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	0	0	0	295	6	575	0	0	874	618	0	708	1103	0	0	4179
					33.68%	0.68%	65.64%	0.00%	0.00%	58.58%	41.42%	0.00%	39.09%	60.91%	0.00%	0.00%	
PEAK HR :	07:15 AM - 08:15 AM																TOTAL
PEAK HR VOL :	0	0	0	0	126	2	273	0	0	499	356	0	378	549	0	0	2183
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.829	0.500	0.750	0.000	0.000	0.780	0.881	0.000	0.867	0.832	0.000	0.000	0.901
					0.815				0.819				0.895				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
4:00 PM	0	0	0	0	110	1	70	0	0	232	85	0	92	170	0	0	760
4:15 PM	0	0	0	0	113	1	90	0	0	231	89	0	64	181	0	0	769
4:30 PM	0	0	0	0	128	0	93	0	0	258	89	0	100	176	0	0	844
4:45 PM	0	0	0	0	94	0	77	0	0	260	95	0	81	191	0	0	798
5:00 PM	0	0	0	0	121	1	75	0	0	269	107	0	91	168	0	0	832
5:15 PM	0	0	0	0	122	1	92	0	0	284	99	0	80	185	0	0	863
5:30 PM	0	0	0	0	96	5	68	0	0	211	118	0	78	154	0	0	730
5:45 PM	0	0	0	0	101	2	83	0	0	177	93	0	110	173	0	0	739
TOTAL VOLUMES : APPROACH %'s :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	0	0	0	0	885	11	648	0	0	1922	775	0	696	1398	0	0	6335
					57.32%	0.71%	41.97%	0.00%	0.00%	71.26%	28.74%	0.00%	33.24%	66.76%	0.00%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	0	0	0	465	2	337	0	0	1071	390	0	352	720	0	0	3337
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.908	0.500	0.906	0.000	0.000	0.943	0.911	0.000	0.880	0.942	0.000	0.000	0.967
					0.910				0.954				0.971				

National Data & Surveying Services

Intersection Turning Movement Count

Location: SB SR 99 Ramps & E Yosemite Ave/SR 120
City: Manteca
Control: 0

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Date: 9/19/2019

Heavy Trucks																			
NS/EW Streets:		SB SR 99 Ramps				SB SR 99 Ramps				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120					
AM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
7:00 AM 7:15 AM 7:30 AM 7:45 AM	7:00 AM	0	0	0	0	8	0	2	0	0	6	1	0	3	6	0	0	26	
	7:15 AM	0	0	0	0	5	0	4	0	0	7	4	0	11	5	0	0	36	
	7:30 AM	0	0	0	0	2	0	4	0	0	11	6	0	11	2	0	0	36	
	7:45 AM	0	0	0	0	6	0	6	0	0	4	3	0	11	2	0	0	32	
8:00 AM 8:15 AM 8:30 AM 8:45 AM	8:00 AM	0	0	0	0	5	0	7	0	0	11	6	0	11	3	0	0	43	
	8:15 AM	0	0	0	0	7	0	9	0	0	6	4	0	15	2	0	0	43	
	8:30 AM	0	0	0	0	5	0	5	0	0	12	6	0	12	3	0	0	43	
	8:45 AM	0	0	0	0	6	0	6	0	0	6	4	0	11	5	0	0	38	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		0	0	0	0	44	0	43	0	0	63	34	0	85	28	0	0	297	
						50.57%	0.00%	49.43%	0.00%	0.00%	64.95%	35.05%	0.00%	75.22%	24.78%	0.00%	0.00%		
PEAK HR :		07:15 AM - 08:15 AM																TOTAL	
PEAK HR VOL :		0	0	0	0	18	0	21	0	0	33	19	0	44	12	0	0	147	
PEAK HR FACTOR :		0.000	0.000	0.000	0.000	0.750	0.000	0.750	0.000	0.000	0.750	0.792	0.000	1.000	0.600	0.000	0.000	0.855	
						0.813				0.765				0.875					

PM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
4:00 PM 4:15 PM 4:30 PM 4:45 PM	4:00 PM	0	0	0	0	5	0	5	0	0	8	1	0	6	1	0	0	26	
	4:15 PM	0	0	0	0	8	0	4	0	0	4	3	0	10	4	0	0	33	
	4:30 PM	0	0	0	0	5	0	2	0	0	4	1	0	7	4	0	0	23	
	4:45 PM	0	0	0	0	8	0	4	0	0	2	2	0	4	2	0	0	22	
5:00 PM 5:15 PM 5:30 PM 5:45 PM	5:00 PM	0	0	0	0	4	0	3	0	0	3	4	0	2	4	0	0	20	
	5:15 PM	0	0	0	0	0	0	5	0	0	2	0	0	3	3	0	0	13	
	5:30 PM	0	0	0	0	6	0	2	0	0	1	3	0	15	0	0	0	27	
	5:45 PM	0	0	0	0	5	0	5	0	0	2	3	0	4	3	0	0	22	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		0	0	0	0	41	0	30	0	0	26	17	0	51	21	0	0	186	
						57.75%	0.00%	42.25%	0.00%	0.00%	60.47%	39.53%	0.00%	70.83%	29.17%	0.00%	0.00%		
PEAK HR :		04:30 PM - 05:30 PM																TOTAL	
PEAK HR VOL :		0	0	0	0	17	0	14	0	0	11	7	0	16	13	0	0	78	
PEAK HR FACTOR :		0.00	0.000	0.000	0.000	0.531	0.000	0.700	0.000	0.000	0.688	0.438	0.000	0.571	0.813	0.000	0.000	0.848	
						0.646				0.643				0.659					

National Data & Surveying Services

Intersection Turning Movement Count

Location: SB SR 99 Ramps & E Yosemite Ave/SR 120
City: Manteca
Control: 0

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Bikes																			
NS/EW Streets:		SB SR 99 Ramps				SB SR 99 Ramps				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120					
AM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
7:00 AM 7:15 AM 7:30 AM 7:45 AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
	7:30 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:00 AM 8:15 AM 8:30 AM 8:45 AM	8:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	8:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	5	
PEAK HR :		07:15 AM - 08:15 AM								0.00% 100.00% 0.00% 0.00%				0.00% 100.00% 0.00% 0.00%					
PEAK HR VOL :		0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	4	
PEAK HR FACTOR :		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.250	0.000	0.000	0.500	
										0.500				0.250					
PM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
4:00 PM 4:15 PM 4:30 PM 4:45 PM	4:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	4:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
	4:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5:00 PM 5:15 PM 5:30 PM 5:45 PM	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:15 PM	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		0	0	0	0	1	0	1	0	0	2	0	0	0	0	0	0	4	
PEAK HR :		04:30 PM - 05:30 PM				50.00% 0.00% 50.00% 0.00%				0.00% 100.00% 0.00% 0.00%									
PEAK HR VOL :		0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2	
PEAK HR FACTOR :		0.00	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.500	
						0.250				0.250									

National Data & Surveying Services

Location: SB SR 99 Ramps & E Yosemite Ave/SR 120
City: Manteca

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Pedestrians (Crosswalks)

NS/EW Streets:	SB SR 99 Ramps		SB SR 99 Ramps		E Yosemite Ave/SR 120		E Yosemite Ave/SR 120		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	
	7:00 AM	0	4	0	0	0	0	0	4
	7:15 AM	1	0	0	0	0	0	0	1
	7:30 AM	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0
	8:00 AM	0	0	0	1	0	0	0	1
	8:15 AM	0	0	0	0	0	0	0	0
	8:30 AM	0	2	0	0	0	0	0	2
	8:45 AM	0	1	1	0	0	0	0	2
TOTAL VOLUMES :	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
APPROACH %'s :	1	7	1	1	0	0	0	0	10
	12.50%	87.50%	50.00%	50.00%					
PEAK HR :	07:15 AM - 08:15 AM								TOTAL
PEAK HR VOL :	1	0	0	1	0	0	0	0	2
PEAK HR FACTOR :	0.250		0.250						0.500
	0.250		0.250						

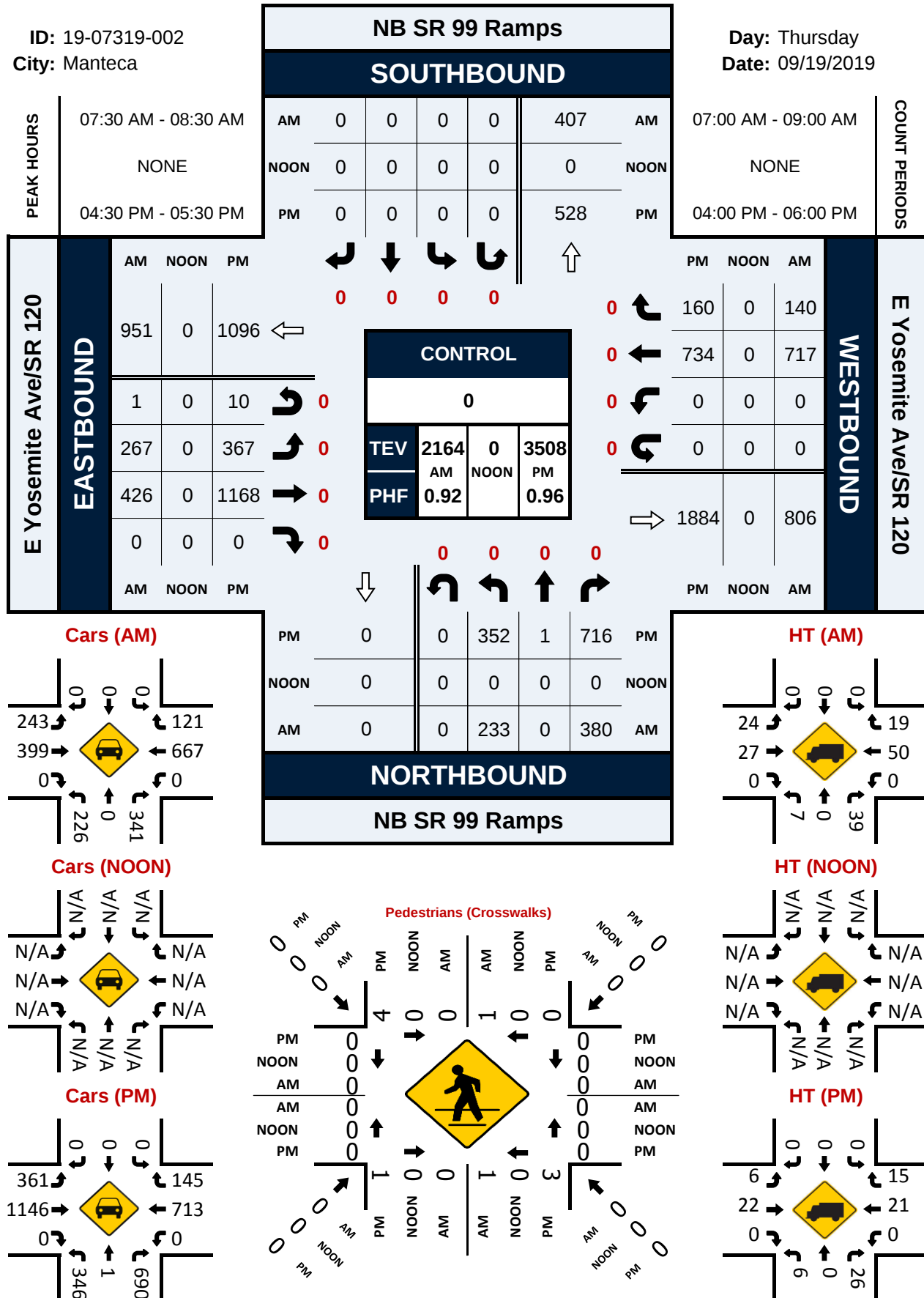
PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	
4:00 PM	1	0	0	0	0	0	0	0	1
4:15 PM	2	3	0	0	0	0	0	0	5
4:30 PM	2	0	0	0	0	0	0	0	2
4:45 PM	0	0	1	0	0	0	0	0	1
5:00 PM	0	0	0	1	0	0	0	0	1
5:15 PM	1	0	0	0	0	0	0	0	1
5:30 PM	1	0	0	0	0	0	0	0	1
5:45 PM	2	4	0	0	0	0	0	0	6
TOTAL VOLUMES : APPROACH %'s :	EB 9	WB 7	EB 1	WB 1	NB 0	SB 0	NB 0	SB 0	TOTAL 18
	56.25%	43.75%	50.00%	50.00%					
PEAK HR :	04:30 PM - 05:30 PM								TOTAL
PEAK HR VOL :	3	0	1	1	0	0	0	0	5
PEAK HR FACTOR :	0.375		0.250	0.250					0.625
	0.375		0.500						

Prepared by National Data & Surveying Services

NB SR 99 Ramps & E Yosemite Ave/SR 120**Peak Hour Turning Movement Count**

ID: 19-07319-002
City: Manteca

Day: Thursday
Date: 09/19/2019



National Data & Surveying Services

Intersection Turning Movement Count

Location: NB SR 99 Ramps & E Yosemite Ave/SR 120
City: Manteca
Control:

Project ID: 19-07319-002
Date: 9/19/2019

Total																			
NS/EW Streets:		NB SR 99 Ramps				NB SR 99 Ramps				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120					
AM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
	7:00 AM	50	0	59	0	0	0	0	0	40	73	0	2	0	188	43	0	455	
	7:15 AM	52	0	69	0	0	0	0	0	50	79	0	1	0	194	38	0	483	
	7:30 AM	55	0	93	0	0	0	0	0	92	120	0	0	0	187	30	0	577	
	7:45 AM	75	0	97	0	0	0	0	0	67	114	0	0	0	194	42	0	589	
	8:00 AM	53	0	81	0	0	0	0	0	59	93	0	1	0	170	32	0	489	
	8:15 AM	50	0	109	0	0	0	0	0	49	99	0	0	0	166	36	0	509	
	8:30 AM	46	0	119	0	0	0	0	0	48	121	0	2	0	177	30	0	543	
	8:45 AM	59	0	123	0	0	0	0	0	35	122	0	2	0	200	23	0	564	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		440	0	750	0	0	0	0	0	440	821	0	8	0	1476	274	0	4209	
PEAK HR :		07:30 AM - 08:30 AM																TOTAL	
PEAK HR VOL :		233	0	380	0	0	0	0	0	267	426	0	1	0	717	140	0	2164	
PEAK HR FACTOR :		0.777	0.000	0.872	0.000	0.000	0.000	0.000	0.000	0.726	0.888	0.000	0.250	0.000	0.924	0.833	0.000	0.919	
		0.891								0.818				0.908					
PM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
	4:00 PM	62	0	161	0	0	0	0	0	68	269	0	0	0	206	41	0	807	
	4:15 PM	102	1	206	0	0	0	0	0	88	285	0	1	0	158	39	0	880	
	4:30 PM	81	0	178	0	0	0	0	0	84	309	0	4	0	202	54	0	912	
	4:45 PM	94	0	179	0	0	0	0	0	87	272	0	3	0	179	33	0	847	
	5:00 PM	89	1	164	0	0	0	0	0	101	296	0	0	0	180	37	0	868	
	5:15 PM	88	0	195	0	0	0	0	0	95	291	0	3	0	173	36	0	881	
	5:30 PM	71	0	177	0	0	0	0	0	79	254	0	0	0	180	35	0	796	
	5:45 PM	97	1	182	0	0	0	0	0	50	231	0	2	0	191	30	0	784	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		684	3	1442	0	0	0	0	0	652	2207	0	13	0	1469	305	0	6775	
PEAK HR :		04:30 PM - 05:30 PM																TOTAL	
PEAK HR VOL :		352	1	716	0	0	0	0	0	367	1168	0	10	0	734	160	0	3508	
PEAK HR FACTOR :		0.936	0.250	0.918	0.000	0.000	0.000	0.000	0.000	0.908	0.945	0.000	0.625	0.000	0.908	0.741	0.000	0.962	
		0.944								0.973				0.873					

National Data & Surveying Services

Intersection Turning Movement Count

Location: NB SR 99 Ramps & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-002
Date: 9/19/2019

Cars																	
NS/EW Streets:	NB SR 99 Ramps				NB SR 99 Ramps				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
7:00 AM	48	0	49	0	0	0	0	0	36	63	0	2	0	181	32	0	411
7:15 AM	48	0	58	0	0	0	0	0	44	72	0	1	0	180	32	0	435
7:30 AM	53	0	87	0	0	0	0	0	84	116	0	0	0	178	29	0	547
7:45 AM	74	0	82	0	0	0	0	0	64	107	0	0	0	182	36	0	545
8:00 AM	53	0	74	0	0	0	0	0	52	84	0	1	0	156	24	0	444
8:15 AM	46	0	98	0	0	0	0	0	43	92	0	0	0	151	32	0	462
8:30 AM	46	0	111	0	0	0	0	0	43	109	0	2	0	164	24	0	499
8:45 AM	57	0	105	0	0	0	0	0	29	116	0	2	0	186	20	0	515
TOTAL VOLUMES :	NL 425	NT 0	NR 664	NU 0	SL 0	ST 0	SR 0	SU 0	EL 395	ET 759	ER 0	EU 8	WL 0	WT 1378	WR 229	WU 0	TOTAL 3858
APPROACH %'s :	39.03%	0.00%	60.97%	0.00%					33.99%	65.32%	0.00%	0.69%	0.00%	85.75%	14.25%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																TOTAL
PEAK HR VOL :	226	0	341	0	0	0	0	0	243	399	0	1	0	667	121	0	1998
PEAK HR FACTOR :	0.76	0.000	0.870	0.000	0.000	0.000	0.000	0.000	0.723	0.860	0.000	0.250	0.000	0.916	0.840	0.000	0.913
	0.909								0.804				0.904				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
4:00 PM	62	0	148	0	0	0	0	0	64	261	0	0	0	199	38	0	772
4:15 PM	100	1	196	0	0	0	0	0	83	277	0	1	0	145	35	0	838
4:30 PM	78	0	166	0	0	0	0	0	83	301	0	4	0	195	44	0	871
4:45 PM	94	0	176	0	0	0	0	0	85	264	0	3	0	174	33	0	829
5:00 PM	88	1	158	0	0	0	0	0	99	291	0	0	0	174	33	0	844
5:15 PM	86	0	190	0	0	0	0	0	94	290	0	3	0	170	35	0	868
5:30 PM	71	0	166	0	0	0	0	0	78	248	0	0	0	164	31	0	758
5:45 PM	96	1	176	0	0	0	0	0	48	226	0	2	0	185	28	0	762
TOTAL VOLUMES :	NL 675	NT 3	NR 1376	NU 0	SL 0	ST 0	SR 0	SU 0	EL 634	ET 2158	ER 0	EU 13	WL 0	WT 1406	WR 277	WU 0	TOTAL 6542
APPROACH %'s :	32.86%	0.15%	66.99%	0.00%					22.60%	76.93%	0.00%	0.46%	0.00%	83.54%	16.46%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	346	1	690	0	0	0	0	0	361	1146	0	10	0	713	145	0	3412
PEAK HR FACTOR :	0.92	0.250	0.908	0.000	0.000	0.000	0.000	0.000	0.912	0.952	0.000	0.625	0.000	0.914	0.824	0.000	0.979
	0.939								0.972				0.897				

National Data & Surveying Services

Intersection Turning Movement Count

Location: NB SR 99 Ramps & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-002
Date: 9/19/2019

Heavy Trucks																			
NS/EW Streets:		NB SR 99 Ramps				NB SR 99 Ramps				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120					
AM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
7:00 AM 7:15 AM 7:30 AM 7:45 AM	7:00 AM	2	0	10	0	0	0	0	0	4	10	0	0	0	7	11	0	44	
	7:15 AM	4	0	11	0	0	0	0	0	6	7	0	0	0	14	6	0	48	
	7:30 AM	2	0	6	0	0	0	0	0	8	4	0	0	0	9	1	0	30	
	7:45 AM	1	0	15	0	0	0	0	0	3	7	0	0	0	12	6	0	44	
8:00 AM 8:15 AM 8:30 AM 8:45 AM	8:00 AM	0	0	7	0	0	0	0	0	7	9	0	0	0	14	8	0	45	
	8:15 AM	4	0	11	0	0	0	0	0	6	7	0	0	0	15	4	0	47	
	8:30 AM	0	0	8	0	0	0	0	0	5	12	0	0	0	13	6	0	44	
	8:45 AM	2	0	18	0	0	0	0	0	6	6	0	0	0	14	3	0	49	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		15	0	86	0	0	0	0	0	45	62	0	0	0	98	45	0	351	
		14.85%	0.00%	85.15%	0.00%					42.06%	57.94%	0.00%	0.00%	0.00%	68.53%	31.47%	0.00%		
PEAK HR :		07:30 AM - 08:30 AM																TOTAL	
PEAK HR VOL :		7	0	39	0	0	0	0	0	24	27	0	0	0	50	19	0	166	
PEAK HR FACTOR :		0.438	0.000	0.650	0.000	0.000	0.000	0.000	0.000	0.750	0.750	0.000	0.000	0.000	0.833	0.594	0.000	0.883	
		0.719								0.797				0.784					
PM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
4:00 PM 4:15 PM 4:30 PM 4:45 PM	4:00 PM	0	0	13	0	0	0	0	0	4	8	0	0	0	7	3	0	35	
	4:15 PM	2	0	10	0	0	0	0	0	5	8	0	0	0	13	4	0	42	
	4:30 PM	3	0	12	0	0	0	0	0	1	8	0	0	0	7	10	0	41	
	4:45 PM	0	0	3	0	0	0	0	0	2	8	0	0	0	5	0	0	18	
5:00 PM 5:15 PM 5:30 PM 5:45 PM	5:00 PM	1	0	6	0	0	0	0	0	2	5	0	0	0	6	4	0	24	
	5:15 PM	2	0	5	0	0	0	0	0	1	1	0	0	0	3	1	0	13	
	5:30 PM	0	0	11	0	0	0	0	0	1	6	0	0	0	16	4	0	38	
	5:45 PM	1	0	6	0	0	0	0	0	2	5	0	0	0	6	2	0	22	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		9	0	66	0	0	0	0	0	18	49	0	0	0	63	28	0	233	
		12.00%	0.00%	88.00%	0.00%					26.87%	73.13%	0.00%	0.00%	0.00%	69.23%	30.77%	0.00%		
PEAK HR :		04:30 PM - 05:30 PM																TOTAL	
PEAK HR VOL :		6	0	26	0	0	0	0	0	6	22	0	0	0	21	15	0	96	
PEAK HR FACTOR :		0.50	0.000	0.542	0.000	0.000	0.000	0.000	0.000	0.750	0.688	0.000	0.000	0.000	0.750	0.375	0.000	0.585	
		0.533								0.700				0.529					

National Data & Surveying Services

Intersection Turning Movement Count

Location: NB SR 99 Ramps & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-002
Date: 9/19/2019

Bikes																			
NS/EW Streets:		NB SR 99 Ramps				NB SR 99 Ramps				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120					
AM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
7:00 AM 7:15 AM 7:30 AM 7:45 AM	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	
	7:30 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8:00 AM 8:15 AM 8:30 AM 8:45 AM	8:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	8:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	5	
		0.00%				100.00%				0.00%				0.00%					
PEAK HR :		07:30 AM - 08:30 AM																TOTAL	
PEAK HR VOL :		0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	
PEAK HR FACTOR :		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	
										0.500									
PM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
4:00 PM 4:15 PM 4:30 PM 4:45 PM	4:00 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5:00 PM 5:15 PM 5:30 PM 5:45 PM	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	
	5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL	
APPROACH %'s :		0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	
		0.00%				100.00%				0.00%				0.00%					
PEAK HR :		04:30 PM - 05:30 PM																TOTAL	
PEAK HR VOL :		0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	
PEAK HR FACTOR :		0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500	
										0.500									

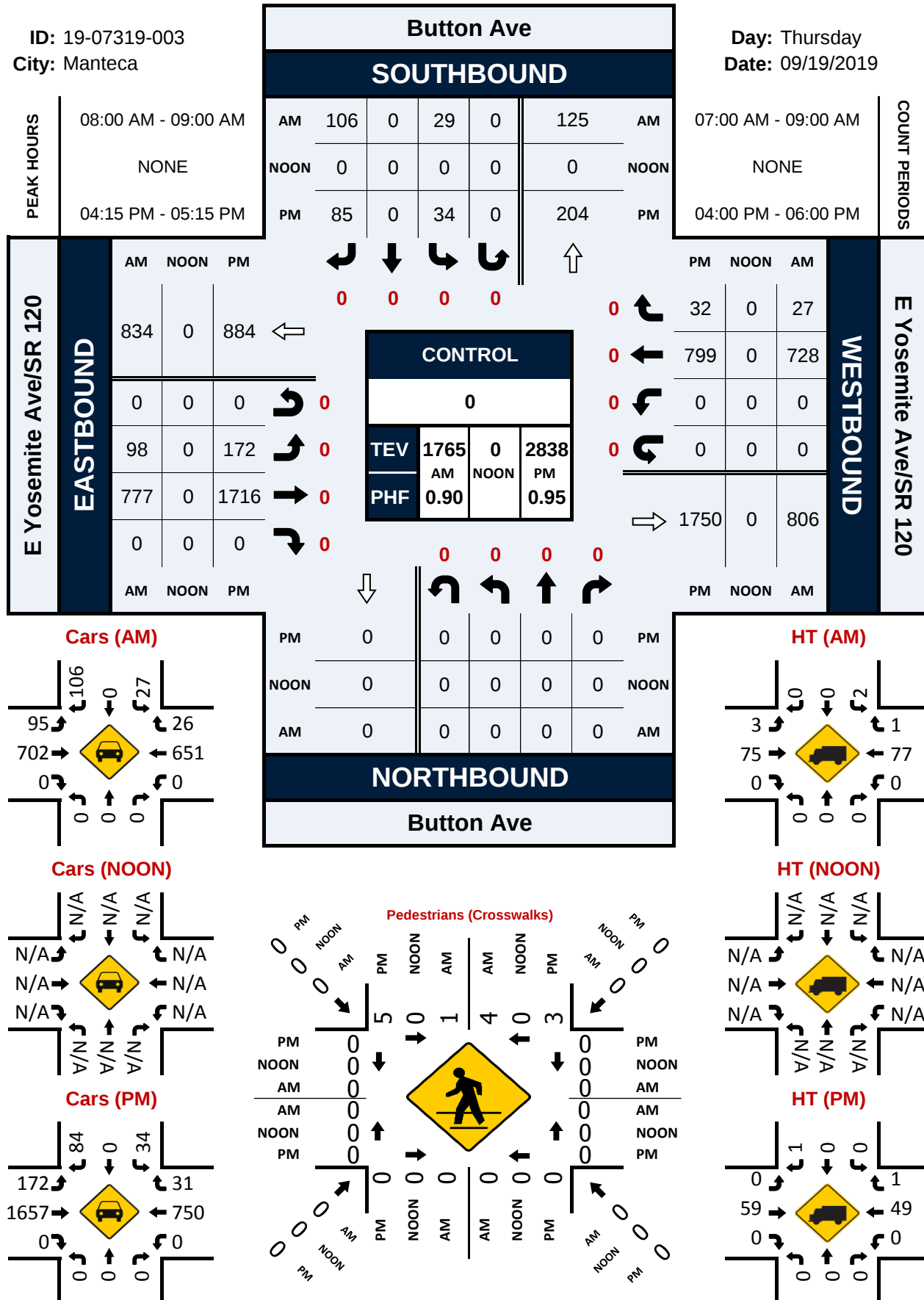
Prepared by National Data & Surveying Services

Button Ave & E Yosemite Ave/SR 120

Peak Hour Turning Movement Count

ID: 19-07319-003
City: Manteca

Day: Thursday
Date: 09/19/2019



National Data & Surveying Services

Intersection Turning Movement Count

Location: Button Ave & E Yosemite Ave/SR 120
City: Manteca
Control:

Project ID: 19-07319-003
Date: 9/19/2019

Total																	
NS/EW Streets:		Button Ave				Button Ave				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120			
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
7:00 AM	0	0	0	0	1	0	25	0	10	122	0	0	0	206	5	0	369
7:15 AM	0	0	0	0	6	0	41	0	13	134	0	0	0	191	8	0	393
7:30 AM	0	0	0	0	3	0	20	0	20	188	0	0	0	198	3	0	432
7:45 AM	0	0	0	0	3	0	33	0	16	193	0	0	0	202	5	0	452
8:00 AM	0	0	0	0	1	0	22	0	29	150	0	0	0	190	4	0	396
8:15 AM	0	0	0	0	10	0	22	0	23	184	0	0	0	170	8	0	417
8:30 AM	0	0	0	0	8	0	29	0	21	217	0	0	0	179	6	0	460
8:45 AM	0	0	0	0	10	0	33	0	25	226	0	0	0	189	9	0	492
TOTAL VOLUMES :	NL 0	NT 0	NR 0	NU 0	SL 42	ST 0	SR 225	SU 0	EL 157	ET 1414	ER 0	EU 0	WL 0	WT 1525	WR 48	WU 0	TOTAL 3411
APPROACH %'s :					15.73%	0.00%	84.27%	0.00%	9.99%	90.01%	0.00%	0.00%	0.00%	96.95%	3.05%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	29	0	106	0	98	777	0	0	0	728	27	0	1765
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.725	0.000	0.803	0.000	0.845	0.860	0.000	0.000	0.000	0.958	0.750	0.000	0.897
							0.785				0.872				0.953		
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
4:00 PM	0	0	0	0	5	0	28	0	28	403	0	0	0	217	2	0	683
4:15 PM	0	0	0	0	4	0	19	0	47	442	0	0	0	190	12	0	714
4:30 PM	0	0	0	0	11	0	25	0	47	442	0	0	0	218	3	0	746
4:45 PM	0	0	0	0	7	0	28	0	37	409	0	0	0	187	8	0	676
5:00 PM	0	0	0	0	12	0	13	0	41	423	0	0	0	204	9	0	702
5:15 PM	0	0	0	0	5	0	26	0	54	432	0	0	0	184	12	0	713
5:30 PM	0	0	0	0	8	0	26	0	44	387	0	0	0	187	8	0	660
5:45 PM	0	0	0	0	2	0	17	0	45	368	0	0	0	205	6	0	643
TOTAL VOLUMES :	NL 0	NT 0	NR 0	NU 0	SL 54	ST 0	SR 182	SU 0	EL 343	ET 3306	ER 0	EU 0	WL 0	WT 1592	WR 60	WU 0	TOTAL 5537
APPROACH %'s :					22.88%	0.00%	77.12%	0.00%	9.40%	90.60%	0.00%	0.00%	0.00%	96.37%	3.63%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	0	0	0	0	34	0	85	0	172	1716	0	0	0	799	32	0	2838
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.708	0.000	0.759	0.000	0.915	0.971	0.000	0.000	0.000	0.916	0.667	0.000	0.951
							0.826				0.965				0.940		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Button Ave & E Yosemite Ave/SR 120

City: Manteca

Control: 0

Project ID: 19-07319-003

Date: 9/19/2019

NS/EW Streets:		Button Ave				Button Ave				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM		0	0	0	0	1	0	25	0	10	102	0	0	0	188	5	0	331
7:15 AM		0	0	0	0	6	0	41	0	12	117	0	0	0	171	7	0	354
7:30 AM		0	0	0	0	3	0	20	0	20	178	0	0	0	188	3	0	412
7:45 AM		0	0	0	0	3	0	33	0	16	171	0	0	0	184	5	0	412
8:00 AM		0	0	0	0	1	0	22	0	28	135	0	0	0	168	4	0	358
8:15 AM		0	0	0	0	9	0	22	0	23	166	0	0	0	151	8	0	379
8:30 AM		0	0	0	0	7	0	29	0	19	198	0	0	0	160	6	0	419
8:45 AM		0	0	0	0	10	0	33	0	25	203	0	0	0	172	8	0	451
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :		0	0	0	0	40	0	225	0	153	1270	0	0	0	1382	46	0	3116
						15.09%	0.00%	84.91%	0.00%	10.75%	89.25%	0.00%	0.00%	0.00%	96.78%	3.22%	0.00%	
PEAK HR :		08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :		0	0	0	0	27	0	106	0	95	702	0	0	0	651	26	0	1607
PEAK HR FACTOR :		0.00	0.000	0.000	0.000	0.675	0.000	0.803	0.000	0.848	0.865	0.000	0.000	0.000	0.946	0.813	0.000	0.891
								0.773				0.874				0.940		

PM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM		0	0	0	0	5	0	28	0	28	381	0	0	0	208	2	0	652
4:15 PM		0	0	0	0	4	0	18	0	47	425	0	0	0	173	11	0	678
4:30 PM		0	0	0	0	11	0	25	0	47	421	0	0	0	201	3	0	708
4:45 PM		0	0	0	0	7	0	28	0	37	399	0	0	0	182	8	0	661
5:00 PM		0	0	0	0	12	0	13	0	41	412	0	0	0	194	9	0	681
5:15 PM		0	0	0	0	5	0	26	0	54	426	0	0	0	180	12	0	703
5:30 PM		0	0	0	0	8	0	26	0	44	370	0	0	0	168	8	0	624
5:45 PM		0	0	0	0	2	0	17	0	45	357	0	0	0	196	6	0	623
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :		0	0	0	0	54	0	181	0	343	3191	0	0	0	1502	59	0	5330
						22.98%	0.00%	77.02%	0.00%	9.71%	90.29%	0.00%	0.00%	0.00%	96.22%	3.78%	0.00%	
PEAK HR :		04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :		0	0	0	0	34	0	84	0	172	1657	0	0	0	750	31	0	2728
PEAK HR FACTOR :		0.00	0.000	0.000	0.000	0.708	0.000	0.750	0.000	0.915	0.975	0.000	0.000	0.000	0.933	0.705	0.000	0.963
								0.819				0.969				0.957		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Button Ave & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-003
Date: 9/19/2019

Heavy Trucks

NS/EW Streets:	Button Ave				Button Ave				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
7:00 AM	0	0	0	0	0	0	0	0	0	20	0	0	0	18	0	0	38
7:15 AM	0	0	0	0	0	0	0	0	1	17	0	0	0	20	1	0	39
7:30 AM	0	0	0	0	0	0	0	0	0	10	0	0	0	10	0	0	20
7:45 AM	0	0	0	0	0	0	0	0	0	22	0	0	0	18	0	0	40
8:00 AM	0	0	0	0	0	0	0	0	1	15	0	0	0	22	0	0	38
8:15 AM	0	0	0	0	1	0	0	0	0	18	0	0	0	19	0	0	38
8:30 AM	0	0	0	0	1	0	0	0	2	19	0	0	0	19	0	0	41
8:45 AM	0	0	0	0	0	0	0	0	0	23	0	0	0	17	1	0	41
TOTAL VOLUMES :	NL 0	NT 0	NR 0	NU 0	SL 2	ST 0	SR 0	SU 0	EL 4	ET 144	ER 0	EU 0	WL 0	WT 143	WR 2	WU 0	TOTAL 295
APPROACH %'s :					100.00%	0.00%	0.00%	0.00%	2.70%	97.30%	0.00%	0.00%	0.00%	98.62%	1.38%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	2	0	0	0	3	75	0	0	0	77	1	0	158
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.375	0.815	0.000	0.000	0.000	0.875	0.250	0.000	0.963
					0.500				0.848				0.886				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
4:00 PM	0	0	0	0	0	0	0	0	0	22	0	0	0	9	0	0	31
4:15 PM	0	0	0	0	0	0	1	0	0	17	0	0	0	17	1	0	36
4:30 PM	0	0	0	0	0	0	0	0	0	21	0	0	0	17	0	0	38
4:45 PM	0	0	0	0	0	0	0	0	0	10	0	0	0	5	0	0	15
5:00 PM	0	0	0	0	0	0	0	0	0	11	0	0	0	10	0	0	21
5:15 PM	0	0	0	0	0	0	0	0	0	6	0	0	0	4	0	0	10
5:30 PM	0	0	0	0	0	0	0	0	0	17	0	0	0	19	0	0	36
5:45 PM	0	0	0	0	0	0	0	0	0	11	0	0	0	9	0	0	20
TOTAL VOLUMES :	NL 0	NT 0	NR 0	NU 0	SL 0	ST 0	SR 1	SU 0	EL 0	ET 115	ER 0	EU 0	WL 0	WT 90	WR 1	WU 0	TOTAL 207
APPROACH %'s :					0.00%	0.00%	100.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	98.90%	1.10%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	1	0	0	59	0	0	0	49	1	0	110
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.702	0.000	0.000	0.000	0.721	0.250	0.000	0.724
					0.250				0.702				0.694				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Button Ave & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-003
Date: 9/19/2019

Bikes																	
NS/EW Streets:	Button Ave				Button Ave				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
	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	2	0	0	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
7:30 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	5
									0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.500
										0.500							
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
									0.00%	100.00%	0.00%	0.00%					
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.250
										0.250							

National Data & Surveying Services

Intersection Turning Movement Count

Location: Button Ave & E Yosemite Ave/SR 120 **Project ID:** 19-07319-003
City: Manteca **Date:** 9/19/2019

Project ID: 19-07319-003

Date: 9/19/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Button Ave		Button Ave		E Yosemite Ave/SR 120		E Yosemite Ave/SR 120		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	
	7:00 AM	0	4	0	0	0	0	0	4
	7:15 AM	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0
	8:00 AM	1	0	0	0	0	0	0	1
	8:15 AM	0	1	0	0	0	0	0	1
	8:30 AM	0	1	0	0	0	0	0	1
	8:45 AM	0	2	0	0	0	0	0	2
TOTAL VOLUMES :	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
APPROACH %'s :	1	8	0	0	0	0	0	0	9
	11.11%	88.89%							
PEAK HR :	08:00 AM - 09:00 AM								TOTAL
PEAK HR VOL :	1	4	0	0	0	0	0	0	5
PEAK HR FACTOR :	0.250	0.500							0.625
	0.625								

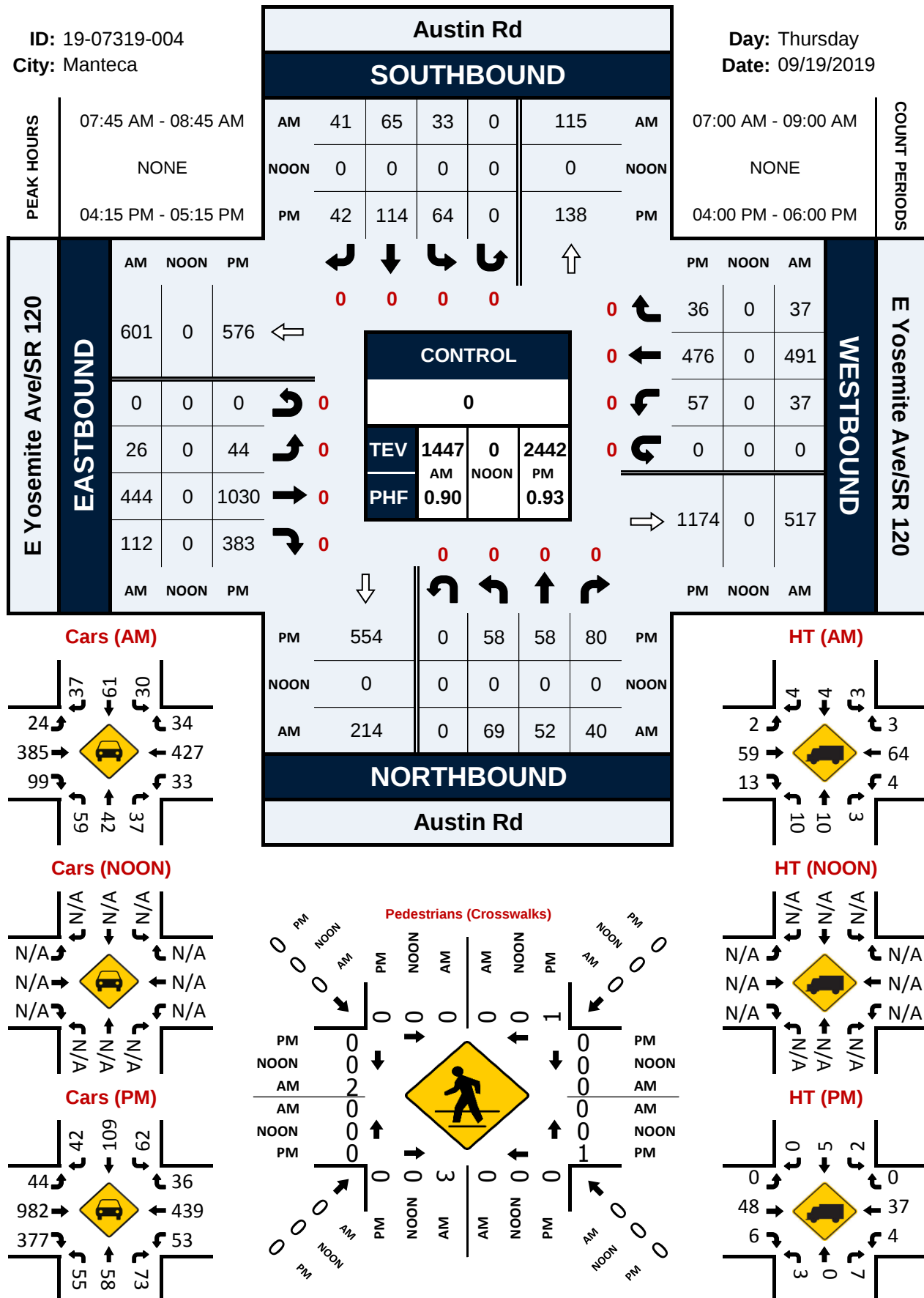
PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	
4:00 PM	5	1	0	0	0	0	0	0	6
4:15 PM	1	3	0	0	0	0	0	0	4
4:30 PM	3	0	0	0	0	0	0	0	3
4:45 PM	0	0	0	0	0	0	0	0	0
5:00 PM	1	0	0	0	0	0	0	0	1
5:15 PM	0	0	0	0	0	0	0	0	0
5:30 PM	1	0	0	0	0	0	0	0	1
5:45 PM	2	1	0	0	0	0	0	0	3
TOTAL VOLUMES : APPROACH %'s :	EB 13 72.22%	WB 5 27.78%	EB 0	WB 0	NB 0	SB 0	NB 0	SB 0	TOTAL 18
	PEAK HR : 04:15 PM - 05:15 PM		0	0	0	0	0	0	TOTAL 8 0.500
	PEAK HR VOL : 5 0.417	3 0.250 0.500							

Austin Rd & E Yosemite Ave/SR 120

Peak Hour Turning Movement Count

ID: 19-07319-004
City: Manteca

Day: Thursday
Date: 09/19/2019



National Data & Surveying Services

Intersection Turning Movement Count

Location: Austin Rd & E Yosemite Ave/SR 120
City: Manteca
Control:

Project ID: 19-07319-004
Date: 9/19/2019

Total																	
NS/EW Streets:	Austin Rd				Austin Rd				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
	8	13	6	0	4	13	14	0	5	91	12	0	7	110	13	0	
	10	12	7	0	8	26	9	0	4	80	19	0	11	96	6	0	
7:00 AM	26	9	11	0	6	17	8	0	8	95	52	0	19	117	6	0	296
7:15 AM	37	24	10	0	8	33	8	0	6	85	42	0	13	121	15	0	288
7:30 AM	12	13	14	0	10	14	9	0	6	96	24	0	11	129	8	0	374
7:45 AM	11	9	3	0	8	4	9	0	8	115	18	0	7	120	7	0	324
8:00 AM	9	6	13	0	7	14	15	0	6	148	28	0	6	121	7	0	319
8:15 AM	10	5	10	0	5	11	9	0	8	129	25	0	8	100	4	0	380
8:30 AM																	324
8:45 AM																	
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	123	91	74	0	56	132	81	0	51	839	220	0	82	914	66	0	2729
	42.71%	31.60%	25.69%	0.00%	20.82%	49.07%	30.11%	0.00%	4.59%	75.59%	19.82%	0.00%	7.72%	86.06%	6.21%	0.00%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	69	52	40	0	33	65	41	0	26	444	112	0	37	491	37	0	1447
PEAK HR FACTOR :	0.466	0.542	0.714	0.000	0.825	0.492	0.683	0.000	0.813	0.750	0.667	0.000	0.712	0.952	0.617	0.000	0.900
			0.567				0.709				0.799				0.948		
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
	19	20	16	0	11	15	11	0	11	262	97	0	12	125	7	0	
	20	29	17	0	17	38	9	0	12	232	92	0	15	110	8	0	
4:00 PM	15	8	27	0	13	19	8	0	8	285	110	0	16	137	12	0	606
4:15 PM	12	6	15	0	17	38	8	0	11	254	85	0	10	98	6	0	599
4:30 PM	11	15	21	0	17	19	17	0	13	259	96	0	16	131	10	0	658
4:45 PM	16	15	13	0	16	15	9	0	10	276	80	0	9	106	8	0	560
5:00 PM	10	11	12	0	14	28	7	0	13	217	81	0	11	135	11	0	625
5:15 PM	13	10	20	0	9	14	14	0	13	249	50	0	6	108	4	0	573
5:30 PM																	550
5:45 PM																	510
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	116	114	141	0	114	186	83	0	91	2034	691	0	95	950	66	0	4681
	31.27%	30.73%	38.01%	0.00%	29.77%	48.56%	21.67%	0.00%	3.23%	72.23%	24.54%	0.00%	8.55%	85.51%	5.94%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	58	58	80	0	64	114	42	0	44	1030	383	0	57	476	36	0	2442
PEAK HR FACTOR :	0.725	0.500	0.741	0.000	0.941	0.750	0.618	0.000	0.846	0.904	0.870	0.000	0.891	0.869	0.750	0.000	0.928
			0.742				0.859				0.904				0.862		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Austin Rd & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-004
Date: 9/19/2019

Cars																	
NS/EW Streets:	Austin Rd				Austin Rd				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
7:00 AM	8	10	5	0	3	13	14	0	3	74	12	0	6	91	12	0	251
7:15 AM	10	12	7	0	7	25	9	0	4	62	18	0	10	84	6	0	254
7:30 AM	26	5	10	0	6	15	8	0	8	87	49	0	17	110	6	0	347
7:45 AM	31	17	10	0	7	32	7	0	4	71	38	0	12	107	13	0	349
8:00 AM	8	10	12	0	10	13	9	0	6	85	20	0	10	108	8	0	299
8:15 AM	11	9	3	0	7	4	7	0	8	99	16	0	7	105	7	0	283
8:30 AM	9	6	12	0	6	12	14	0	6	130	25	0	4	107	6	0	337
8:45 AM	9	5	10	0	5	10	9	0	8	109	22	0	8	83	4	0	282
TOTAL VOLUMES :	NL 112	NT 74	NR 69	NU 0	SL 51	ST 124	SR 77	SU 0	EL 47	ET 717	ER 200	EU 0	WL 74	WT 795	WR 62	WU 0	TOTAL 2402
APPROACH %'s :	43.92%	29.02%	27.06%	0.00%	20.24%	49.21%	30.56%	0.00%	4.88%	74.38%	20.75%	0.00%	7.95%	85.39%	6.66%	0.00%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	59	42	37	0	30	61	37	0	24	385	99	0	33	427	34	0	1268
PEAK HR FACTOR :	0.48	0.618	0.771	0.000	0.750	0.477	0.661	0.000	0.750	0.740	0.651	0.000	0.688	0.988	0.654	0.000	0.908
	0.595				0.696				0.789				0.936				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
4:00 PM	18	19	13	0	11	14	11	0	10	247	95	0	10	118	7	0	573
4:15 PM	19	29	17	0	16	35	9	0	12	216	92	0	14	98	8	0	565
4:30 PM	14	8	24	0	13	18	8	0	8	268	109	0	15	124	12	0	621
4:45 PM	12	6	12	0	16	37	8	0	11	249	80	0	10	92	6	0	539
5:00 PM	10	15	20	0	17	19	17	0	13	249	96	0	14	125	10	0	605
5:15 PM	15	14	12	0	16	15	9	0	10	271	80	0	9	102	7	0	560
5:30 PM	10	11	12	0	14	28	7	0	13	209	80	0	11	118	11	0	524
5:45 PM	13	10	19	0	8	14	14	0	13	236	49	0	4	102	4	0	486
TOTAL VOLUMES :	NL 111	NT 112	NR 129	NU 0	SL 111	ST 180	SR 83	SU 0	EL 90	ET 1945	ER 681	EU 0	WL 87	WT 879	WR 65	WU 0	TOTAL 4473
APPROACH %'s :	31.53%	31.82%	36.65%	0.00%	29.68%	48.13%	22.19%	0.00%	3.31%	71.61%	25.07%	0.00%	8.44%	85.26%	6.30%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	55	58	73	0	62	109	42	0	44	982	377	0	53	439	36	0	2330
PEAK HR FACTOR :	0.72	0.500	0.760	0.000	0.912	0.736	0.618	0.000	0.846	0.916	0.865	0.000	0.883	0.878	0.750	0.000	0.938
	0.715				0.873				0.911				0.874				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Austin Rd & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-004
Date: 9/19/2019

Heavy Trucks

NS/EW Streets:	Austin Rd				Austin Rd				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
7:00 AM	0	3	1	0	1	0	0	0	2	17	0	0	1	19	1	0	45
7:15 AM	0	0	0	0	1	1	0	0	0	18	1	0	1	12	0	0	34
7:30 AM	0	4	1	0	0	2	0	0	0	8	3	0	2	7	0	0	27
7:45 AM	6	7	0	0	1	1	1	0	2	14	4	0	1	14	2	0	53
8:00 AM	4	3	2	0	0	1	0	0	0	11	4	0	1	21	0	0	47
8:15 AM	0	0	0	0	1	0	2	0	0	16	2	0	0	15	0	0	36
8:30 AM	0	0	1	0	1	2	1	0	0	18	3	0	2	14	1	0	43
8:45 AM	1	0	0	0	0	1	0	0	0	20	3	0	0	17	0	0	42
TOTAL VOLUMES :	NL 11	NT 17	NR 5	NU 0	SL 5	ST 8	SR 4	SU 0	EL 4	ET 122	ER 20	EU 0	WL 8	WT 119	WR 4	WU 0	TOTAL 327
APPROACH %'s :	33.33%	51.52%	15.15%	0.00%	29.41%	47.06%	23.53%	0.00%	2.74%	83.56%	13.70%	0.00%	6.11%	90.84%	3.05%	0.00%	
PEAK HR :	07:45 AM - 08:45 AM																TOTAL
PEAK HR VOL :	10	10	3	0	3	4	4	0	2	59	13	0	4	64	3	0	179
PEAK HR FACTOR :	0.417	0.357	0.375	0.000	0.750	0.500	0.500	0.000	0.250	0.819	0.813	0.000	0.500	0.762	0.375	0.000	0.844
	0.442				0.688				0.881				0.807				

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
4:00 PM	1	1	3	0	0	1	0	0	1	15	2	0	2	7	0	0	33
4:15 PM	1	0	0	0	1	3	0	0	0	16	0	0	1	12	0	0	34
4:30 PM	1	0	3	0	0	1	0	0	0	17	1	0	1	13	0	0	37
4:45 PM	0	0	3	0	1	1	0	0	0	5	5	0	0	6	0	0	21
5:00 PM	1	0	1	0	0	0	0	0	0	10	0	0	2	6	0	0	20
5:15 PM	1	1	1	0	0	0	0	0	0	5	0	0	0	4	1	0	13
5:30 PM	0	0	0	0	0	0	0	0	0	8	1	0	0	17	0	0	26
5:45 PM	0	0	1	0	1	0	0	0	0	13	1	0	2	6	0	0	24
TOTAL VOLUMES :	NL 5	NT 2	NR 12	NU 0	SL 3	ST 6	SR 0	SU 0	EL 1	ET 89	ER 10	EU 0	WL 8	WT 71	WR 1	WU 0	TOTAL 208
APPROACH %'s :	26.32%	10.53%	63.16%	0.00%	33.33%	66.67%	0.00%	0.00%	1.00%	89.00%	10.00%	0.00%	10.00%	88.75%	1.25%	0.00%	
PEAK HR :	04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :	3	0	7	0	2	5	0	0	0	48	6	0	4	37	0	0	112
PEAK HR FACTOR :	0.75	0.000	0.583	0.000	0.500	0.417	0.000	0.000	0.000	0.706	0.300	0.000	0.500	0.712	0.000	0.000	0.757
	0.625				0.438				0.750				0.732				

National Data & Surveying Services

Intersection Turning Movement Count

Location: Austin Rd & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-004
Date: 9/19/2019

Bikes																		
NS/EW Streets:		Austin Rd				Austin Rd				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
		0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
	7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
PEAK HR :		07:45 AM - 08:45 AM								0.00% 0.00% 100.00% 0.00%								TOTAL
PEAK HR VOL :		0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
PEAK HR FACTOR :		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.250

PM		NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
		0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
	4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5:30 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	
	5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL VOLUMES :		NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
PEAK HR :		04:15 PM - 05:15 PM																TOTAL
PEAK HR VOL :		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PEAK HR FACTOR :		0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Prepared by National Data & Surveying Services

Ideal Pkwy & E Yosemite Ave/SR 120

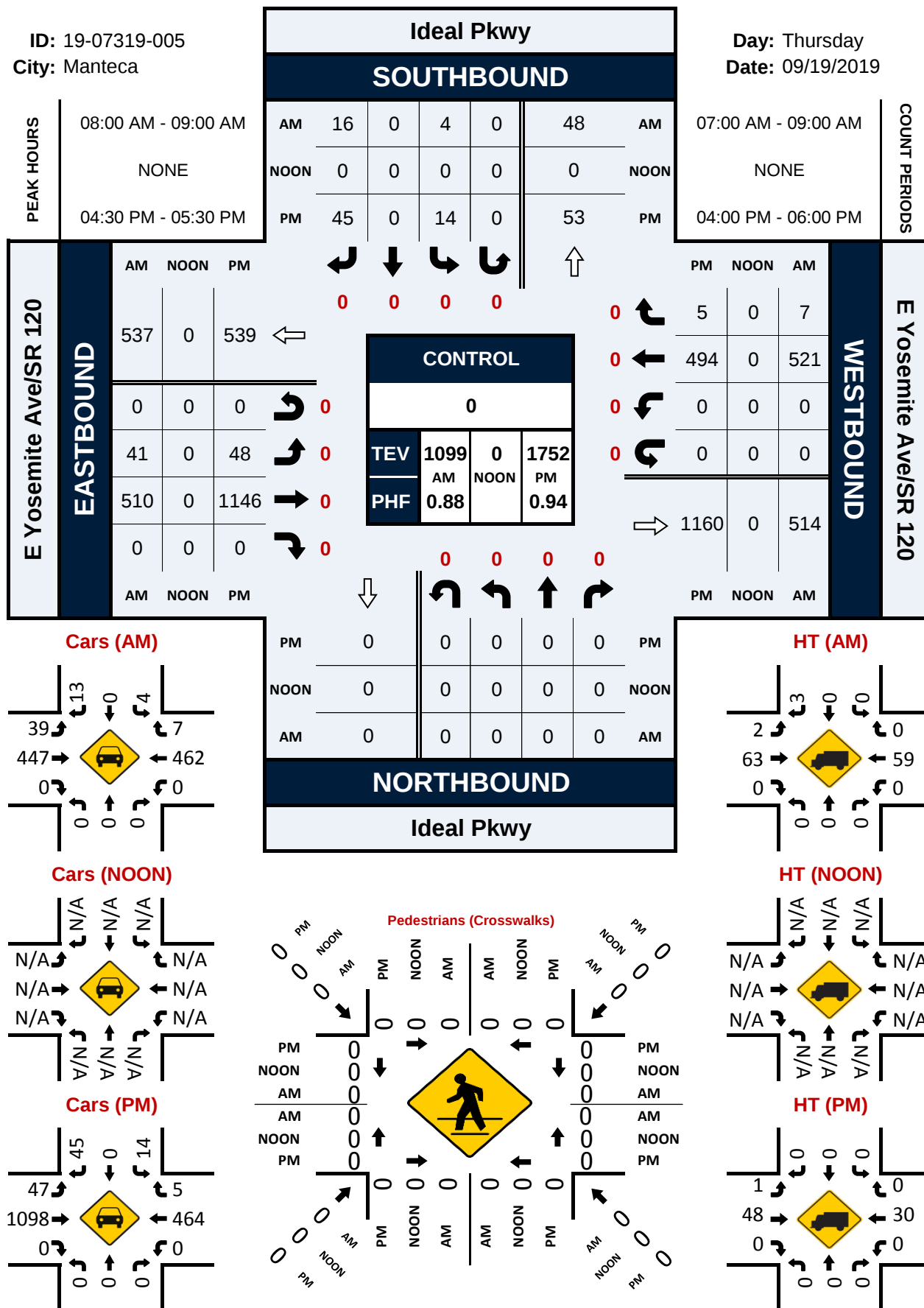
Peak Hour Turning Movement Count

ID: 19-07319-005

City: Manteca

Day: Thursday

Date: 09/19/2019



National Data & Surveying Services

Intersection Turning Movement Count

Location: Ideal Pkwy & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-005
Date: 9/19/2019

Cars

NS/EW Streets:	Ideal Pkwy				Ideal Pkwy				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	0	0	0	0	1	0	3	0	6	79	0	0	0	100	2	0	191
7:15 AM	0	0	0	0	1	0	2	0	9	61	0	0	0	114	6	0	193
7:30 AM	0	0	0	0	0	0	4	0	12	95	0	0	0	131	1	0	243
7:45 AM	0	0	0	0	1	0	3	0	8	81	0	0	0	129	2	0	224
8:00 AM	0	0	0	0	1	0	3	0	9	95	0	0	0	131	4	0	243
8:15 AM	0	0	0	0	3	0	3	0	11	87	0	0	0	118	2	0	224
8:30 AM	0	0	0	0	0	0	4	0	11	146	0	0	0	117	0	0	278
8:45 AM	0	0	0	0	0	0	3	0	8	119	0	0	0	96	1	0	227
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	7	0	25	0	74	763	0	0	0	936	18	0	1823
					21.88%	0.00%	78.13%	0.00%	8.84%	91.16%	0.00%	0.00%	0.00%	98.11%	1.89%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	4	0	13	0	39	447	0	0	0	462	7	0	972
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.333	0.000	0.813	0.000	0.886	0.765	0.000	0.000	0.000	0.882	0.438	0.000	0.874
							0.708				0.774				0.869		

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	0	0	0	0	4	0	11	0	5	263	0	0	0	122	1	0	406
4:15 PM	0	0	0	0	2	0	8	0	5	254	0	0	0	130	0	0	399
4:30 PM	0	0	0	0	4	0	11	0	9	282	0	0	0	126	2	0	434
4:45 PM	0	0	0	0	3	0	11	0	17	264	0	0	0	97	1	0	393
5:00 PM	0	0	0	0	6	0	13	0	15	264	0	0	0	128	1	0	427
5:15 PM	0	0	0	0	1	0	10	0	6	288	0	0	0	113	1	0	419
5:30 PM	0	0	0	0	3	0	3	0	6	228	0	0	0	129	0	0	369
5:45 PM	0	0	0	0	0	0	5	0	7	268	0	0	0	108	0	0	388
TOTAL VOLUMES :	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
APPROACH %'s :	0	0	0	0	23	0	72	0	70	2111	0	0	0	953	6	0	3235
					24.21%	0.00%	75.79%	0.00%	3.21%	96.79%	0.00%	0.00%	0.00%	99.37%	0.63%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	0	0	0	14	0	45	0	47	1098	0	0	0	464	5	0	1673
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.583	0.000	0.865	0.000	0.691	0.953	0.000	0.000	0.000	0.906	0.625	0.000	0.964
							0.776				0.974				0.909		

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ideal Pkwy & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-005
Date: 9/19/2019

Heavy Trucks

NS/EW Streets:	Ideal Pkwy				Ideal Pkwy				E Yosemite Ave/SR 120				E Yosemite Ave/SR 120				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
7:00 AM	0	0	0	0	0	0	0	0	1	15	0	0	0	12	0	0	28
7:15 AM	0	0	0	0	0	0	0	0	0	22	0	0	0	13	0	0	35
7:30 AM	0	0	0	0	0	0	0	0	0	9	0	0	0	8	0	0	17
7:45 AM	0	0	0	0	0	0	0	0	0	14	0	0	0	14	0	0	28
8:00 AM	0	0	0	0	0	0	0	0	1	12	0	0	0	18	0	0	31
8:15 AM	0	0	0	0	0	0	2	0	0	13	0	0	0	14	0	0	29
8:30 AM	0	0	0	0	0	0	1	0	0	21	0	0	0	13	0	0	35
8:45 AM	0	0	0	0	0	0	0	0	1	17	0	0	0	14	0	0	32
TOTAL VOLUMES :	NL 0	NT 0	NR 0	NU 0	SL 0	ST 0	SR 3	SU 0	EL 3	ET 123	ER 0	EU 0	WL 0	WT 106	WR 0	WU 0	TOTAL 235
APPROACH %'s :					0.00%	0.00%	100.00%	0.00%	2.38%	97.62%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	08:00 AM - 09:00 AM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	3	0	2	63	0	0	0	59	0	0	127
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.000	0.500	0.750	0.000	0.000	0.000	0.819	0.000	0.000	0.907
							0.375				0.774				0.819		

PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
4:00 PM	0	0	0	0	1	0	1	0	1	16	0	0	0	9	0	0	28
4:15 PM	0	0	0	0	0	0	0	0	1	16	0	0	0	12	0	0	29
4:30 PM	0	0	0	0	0	0	0	0	0	20	0	0	0	14	0	0	34
4:45 PM	0	0	0	0	0	0	0	0	1	10	0	0	0	6	0	0	17
5:00 PM	0	0	0	0	0	0	0	0	0	11	0	0	0	5	0	0	16
5:15 PM	0	0	0	0	0	0	0	0	0	7	0	0	0	5	0	0	12
5:30 PM	0	0	0	0	0	0	0	0	1	8	0	0	0	16	0	0	25
5:45 PM	0	0	0	0	0	0	1	0	0	14	0	0	0	8	0	0	23
TOTAL VOLUMES :	NL 0	NT 0	NR 0	NU 0	SL 1	ST 0	SR 2	SU 0	EL 4	ET 102	ER 0	EU 0	WL 0	WT 75	WR 0	WU 0	TOTAL 184
APPROACH %'s :					33.33%	0.00%	66.67%	0.00%	3.77%	96.23%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	
PEAK HR :	04:30 PM - 05:30 PM																TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	1	48	0	0	0	30	0	0	79
PEAK HR FACTOR :	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.600	0.000	0.000	0.000	0.536	0.000	0.000	0.581
											0.613				0.536		

National Data & Surveying Services

Location: Ideal Pkwy & E Yosemite Ave/SR 120

City: Manteca

Control: 0

Project ID: 19-07319-005

Date: 9/19/2019

Bikes

[illegible][illegible]

National Data & Surveying Services

Intersection Turning Movement Count

Location: Ideal Pkwy & E Yosemite Ave/SR 120
City: Manteca

Project ID: 19-07319-005
Date: 9/19/2019

Pedestrians (Crosswalks)

NS/EW Streets:	Ideal Pkwy		Ideal Pkwy		E Yosemite Ave/SR 120		E Yosemite Ave/SR 120		
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	
	7:00 AM	0	0	0	0	0	0	0	
	7:15 AM	0	0	0	0	0	0	0	
	7:30 AM	0	0	0	0	0	0	0	
	7:45 AM	0	0	0	0	0	0	0	
	8:00 AM	0	0	0	0	0	0	0	
	8:15 AM	0	0	0	0	0	0	0	
	8:30 AM	0	0	0	0	0	0	0	
	8:45 AM	0	0	0	0	0	0	0	
TOTAL VOLUMES : APPROACH %'s :	EB 0	WB 0	EB 0	WB 0	NB 0	SB 0	NB 0	SB 0	TOTAL 0
PEAK HR :	08:00 AM - 09:00 AM		0	0	0	0	0	0	TOTAL
PEAK HR VOL :	0	0							0
PEAK HR FACTOR :									0

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	
	4:00 PM	0	0	0	0	0	0	0	
	4:15 PM	0	0	0	0	0	0	0	
	4:30 PM	0	0	0	0	0	0	0	
	4:45 PM	0	0	0	0	0	0	0	
	5:00 PM	0	0	0	0	0	0	0	
	5:15 PM	0	0	0	0	0	0	0	
	5:30 PM	0	0	0	0	0	0	0	
	5:45 PM	0	0	0	0	0	0	0	
TOTAL VOLUMES : APPROACH %'s :	EB 0	WB 0	EB 0	WB 0	NB 0	SB 0	NB 0	SB 0	TOTAL 0
PEAK HR :	04:30 PM - 05:30 PM		0	0	0	0	0	0	TOTAL
PEAK HR VOL :	0	0							0
PEAK HR FACTOR :									0

NB SR 99 Ramps/Button Ave & E Yosemite Ave/SR 120

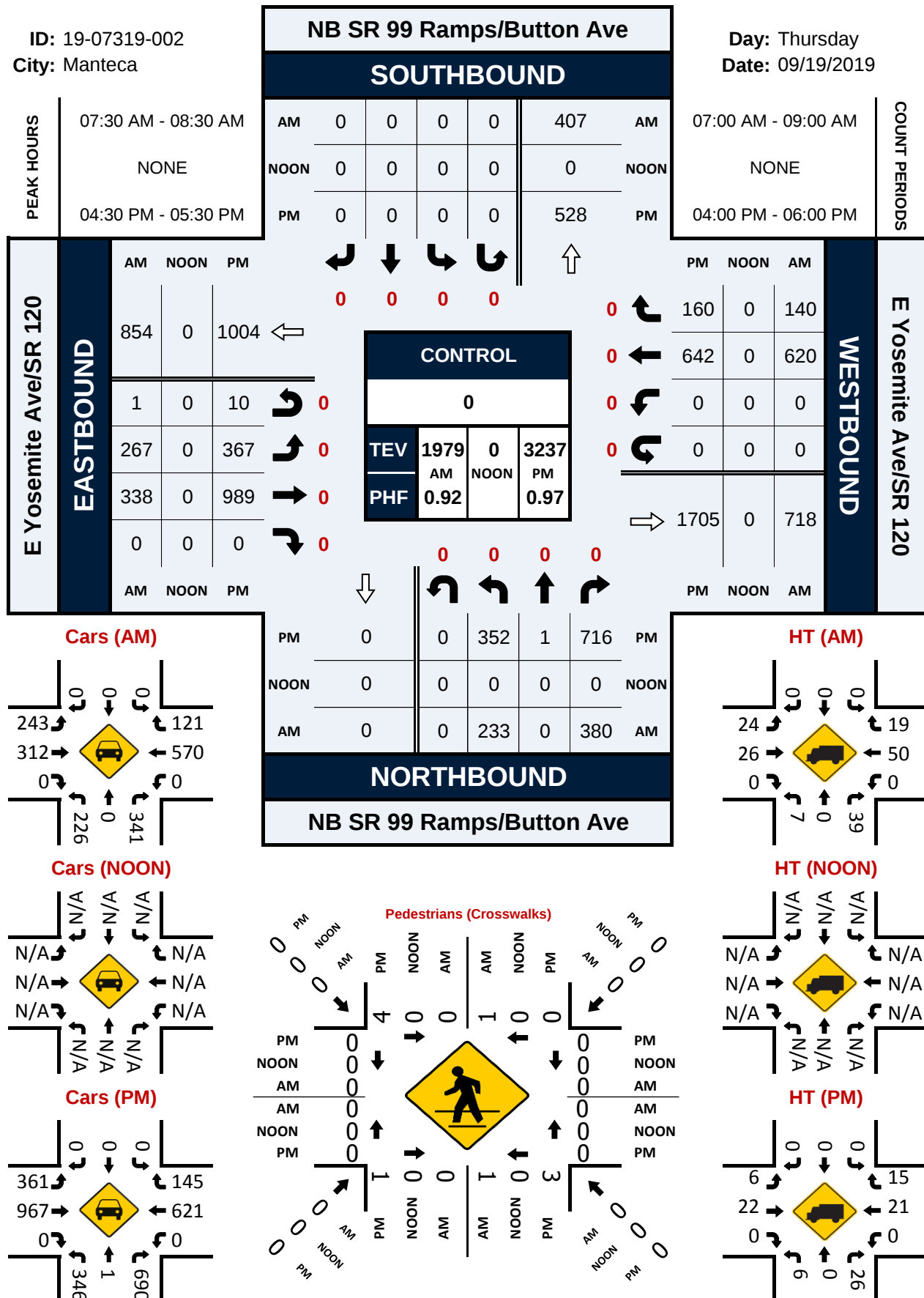
Peak Hour Turning Movement Count

ID: 19-07319-002

City: Manteca

Day: Thursday

Date: 09/19/2019



National Data & Surveying Services

Intersection Turning Movement Count

Location: NB SR 99 Ramps/Button Ave & E Yosemite Ave/SR 120
City: Manteca

Project ID: 19-07319-002
Date: 9/19/2019

Pedestrians (Crosswalks)

NS/EW Streets:	NB SR 99 Ramps/Button Ave		NB SR 99 Ramps/Button Ave		E Yosemite Ave/SR 120		E Yosemite Ave/SR 120			
AM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		NORTH LEG 2	
	EB	WB	EB	WB	NB	SB	NB	SB	EB	WB
7:00 AM	0	3	0	0	0	0	0	0	0	4
7:15 AM	1	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	1	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	1	0
8:15 AM	0	1	0	0	0	0	0	0	0	1
8:30 AM	0	1	0	0	0	0	0	0	0	1
8:45 AM	0	2	0	0	0	0	0	0	0	2
TOTAL VOLUMES :	EB 1	WB 7	EB 0	WB 1	NB 0	SB 0	NB 0	SB 0	EB 1	WB 8
APPROACH %'s :	12.50%	87.50%	0.00%	100.00%					11.11%	88.89%
PEAK HR :	07:30 AM - 08:30 AM									
PEAK HR VOL :	0	1	0	1	0	0	0	0	1	1
PEAK HR FACTOR :		0.250		0.250					0.250	0.250
		0.250		0.250						0.500

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		NORTH LEG 2		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	EB	WB	
4:00 PM	4	0	0	0	0	0	2	0	5	1	12
4:15 PM	0	2	0	0	0	0	0	0	1	3	6
4:30 PM	3	0	0	2	0	0	0	0	3	0	8
4:45 PM	0	0	1	0	0	0	0	0	0	0	1
5:00 PM	0	0	0	1	0	0	0	0	1	0	2
5:15 PM	1	0	0	0	0	0	0	0	0	0	1
5:30 PM	1	0	0	0	0	0	0	0	1	0	2
5:45 PM	2	0	0	0	0	0	0	0	2	1	5
TOTAL VOLUMES :	EB 11	WB 2	EB 1	WB 3	NB 0	SB 0	NB 2	SB 0	EB 13	WB 5	TOTAL 37
APPROACH %'s :	84.62%	15.38%	25.00%	75.00%			100.00%	0.00%	72.22%	27.78%	
PEAK HR :	04:30 PM - 05:30 PM										TOTAL
PEAK HR VOL :	4	0	1	3	0	0	0	0	4	0	12
PEAK HR FACTOR :	0.333		0.250	0.375					0.333		0.375
		0.333		0.500						0.333	

National Data & Surveying Services

Intersection Turning Movement Count

Location: NB SR 99 Ramps/Button Ave & E Yosemite Ave/SR 120
City: Manteca
Control:

Project ID: 19-07319-002
Date: 9/19/2019

NS/EW Streets:		NB SR 99 Ramps/Button Ave					NB SR 99 Ramps/Button Ave					E Yosemite Ave/SR 120					E Yosemite Ave/SR 120										
AM		NORTHBOUND					SOUTHBOUND					EASTBOUND					WESTBOUND					SOUTHBOUND2					TOTAL
		0 NL	0 NT	0 NR	0 NU	0 NT2	0 SL	0 ST	0 SR	0 SU	0 SU2	0 EL	0 ET	0 ER	0 EU	0 EL2	0 WL	0 WT	0 WR	0 WU	0 WR2	0 S2U	0 S2L2	0 S2T2	0 S2R2	0 S2U2	
	7:00 AM	50	0	59	0	0	0	0	0	0	0	40	63	0	2	10	0	163	43	0	5	0	1	0	25	0	461
	7:15 AM	52	0	69	0	0	0	0	0	0	0	50	66	0	1	13	0	153	38	0	8	0	6	0	41	0	497
	7:30 AM	55	0	93	0	0	0	0	0	0	0	92	100	0	0	20	0	167	30	0	3	0	3	0	20	0	583
	7:45 AM	75	0	97	0	0	0	0	0	0	0	67	98	0	0	16	0	161	42	0	5	0	3	0	33	0	597
	8:00 AM	53	0	81	0	0	0	0	0	0	0	59	64	0	1	29	0	148	32	0	4	0	1	0	22	0	494
	8:15 AM	50	0	109	0	0	0	0	0	0	0	49	76	0	0	23	0	144	36	0	8	0	10	0	22	0	527
	8:30 AM	46	0	119	0	0	0	0	0	0	0	48	100	0	2	21	0	148	30	0	6	0	8	0	29	0	557
	8:45 AM	59	0	123	0	0	0	0	0	0	0	35	97	0	2	25	0	167	23	0	9	0	10	0	33	0	583
TOTAL VOLUMES :		NL 440	NT 0	NR 750	NU 0	NT2 0	SL 0	ST 0	SR 0	SU 0	SU2 0	EL 440	ET 664	ER 0	EU 8	EL2 157	WL 0	WT 1251	WR 274	WU 0	WR2 48	S2U 0	S2L2 42	S2T2 0	S2R2 225	S2U2 0	TOTAL 4299
APPROACH %'s :		36.97%	0.00%	63.03%	0.00%	0.00%						34.67%	52.32%	0.00%	0.63%	12.37%	0.00%	79.53%	17.42%	0.00%	3.05%	0.00%	15.73%	0.00%	84.27%	0.00%	
PEAK HR :		07:30 AM - 08:30 AM																									TOTAL
PEAK HR VOL :		233	0	380	0	0	0	0	0	0	0	267	338	0	1	88	0	620	140	0	20	0	17	0	97	0	2201
PEAK HR FACTOR :		0.777	0.000	0.872 0.891	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.726	0.845	0.000 0.818	0.250	0.759	0.000	0.928	0.833 0.938	0.000	0.625	0.000	0.425	0.000 0.792	0.735	0.000	0.922
PM		NORTHBOUND					SOUTHBOUND					EASTBOUND					WESTBOUND					SOUTHBOUND2					TOTAL
		0 NL	0 NT	0 NR	0 NU	0 NT2	0 SL	0 ST	0 SR	0 SU	0 SU2	0 EL	0 ET	0 ER	0 EU	0 EL2	0 WL	0 WT	0 WR	0 WU	0 WR2	0 S2U	0 S2L2	0 S2T2	0 S2R2	0 S2U2	
	4:00 PM	62	0	161	0	0	0	0	0	0	0	68	241	0	0	28	0	178	41	0	2	0	5	0	28	0	814
	4:15 PM	102	1	206	0	0	0	0	0	0	0	88	238	0	1	47	0	139	39	0	12	0	4	0	19	0	896
	4:30 PM	81	0	178	0	0	0	0	0	0	0	84	262	0	4	47	0	177	54	0	3	0	11	0	25	0	926
	4:45 PM	94	0	179	0	0	0	0	0	0	0	87	235	0	3	37	0	151	33	0	8	0	7	0	28	0	862
	5:00 PM	89	1	164	0	0	0	0	0	0	0	101	255	0	0	41	0	167	37	0	9	0	12	0	13	0	889
	5:15 PM	88	0	195	0	0	0	0	0	0	0	95	237	0	3	54	0	147	36	0	12	0	5	0	26	0	898
	5:30 PM	71	0	177	0	0	0	0	0	0	0	79	210	0	0	44	0	154	35	0	8	0	8	0	26	0	812
	5:45 PM	97	1	182	0	0	0	0	0	0	0	50	186	0	2	45	0	174	30	0	6	0	2	0	17	0	792
TOTAL VOLUMES :		NL 684	NT 3	NR 1442	NU 0	NT2 0	SL 0	ST 0	SR 0	SU 0	SU2 0	EL 652	ET 1864	ER 0	EU 13	EL2 343	WL 0	WT 1287	WR 305	WU 0	WR2 60	S2U 0	S2L2 54	S2T2 0	S2R2 182	S2U2 0	TOTAL 6889
APPROACH %'s :		32.13%	0.14%	67.73%	0.00%	0.00%						22.70%	64.90%	0.00%	0.45%	11.94%	0.00%	77.91%	18.46%	0.00%	3.63%	0.00%	22.88%	0.00%	77.12%	0.00%	
PEAK HR :		04:30 PM - 05:30 PM																									TOTAL
PEAK HR VOL :		352	1	716	0	0	0	0	0	0	0	367	989	0	10	179	0	642	160	0	32	0	35	0	92	0	3575
PEAK HR FACTOR :		0.936	0.250	0.918 0.944	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.908	0.944	0.000 0.973	0.625	0.829	0.000	0.907	0.741 0.891	0.000	0.667	0.000	0.729	0.000 0.882	0.821	0.000	0.965

National Data & Surveying Services

Intersection Turning Movement Count

Location: NB SR 99 Ramps/Button Ave & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-002
Date: 9/19/2019

Cars

NS/EW Streets:	NB SR 99 Ramps/Button Ave					NB SR 99 Ramps/Button Ave					E Yosemite Ave/SR 120					E Yosemite Ave/SR 120										
AM	NORTHBOUND					SOUTHBOUND					EASTBOUND					WESTBOUND					SOUTHBOUND2					TOTAL
	0 NL	0 NT	0 NR	0 NU	0 NT2	0 SL	0 ST	0 SR	0 SU	0 SU2	0 EL	0 ET	0 ER	0 EU	0 EL2	0 WL	0 WT	0 WR	0 WU	0 WR2	0 S2U	0 S2L2	0 S2T2	0 S2R2	0 S2U2	
7:00 AM	48	0	49	0	0	0	0	0	0	0	36	53	0	2	10	0	156	32	0	5	0	1	0	25	0	417
7:15 AM	48	0	58	0	0	0	0	0	0	0	44	60	0	1	12	0	139	32	0	7	0	6	0	41	0	448
7:30 AM	53	0	87	0	0	0	0	0	0	0	84	96	0	0	20	0	158	29	0	3	0	3	0	20	0	553
7:45 AM	74	0	82	0	0	0	0	0	0	0	64	91	0	0	16	0	149	36	0	5	0	3	0	33	0	553
8:00 AM	53	0	74	0	0	0	0	0	0	0	52	56	0	1	28	0	134	24	0	4	0	1	0	22	0	449
8:15 AM	46	0	98	0	0	0	0	0	0	0	43	69	0	0	23	0	129	32	0	8	0	9	0	22	0	479
8:30 AM	46	0	111	0	0	0	0	0	0	0	43	90	0	2	19	0	135	24	0	6	0	7	0	29	0	512
8:45 AM	57	0	105	0	0	0	0	0	0	0	29	91	0	2	25	0	153	20	0	8	0	10	0	33	0	533
TOTAL VOLUMES : APPROACH %'s :	NL	NT	NR	NU	NT2	SL	ST	SR	SU	SU2	EL	ET	ER	EU	EL2	WL	WT	WR	WU	WR2	S2U	S2L2	S2T2	S2R2	S2U2	TOTAL
	425	0	664	0	0	0	0	0	0	0	395	606	0	8	153	0	1153	229	0	46	0	40	0	225	0	3944
	39.03%	0.00%	60.97%	0.00%	0.00%						33.99%	52.15%	0.00%	0.69%	13.17%	0.00%	80.74%	16.04%	0.00%	3.22%	0.00%	15.09%	0.00%	84.91%	0.00%	
PEAK HR :	07:30 AM - 08:30 AM																									TOTAL
PEAK HR VOL :	226	0	341	0	0	0	0	0	0	0	243	312	0	1	87	0	570	121	0	20	0	16	0	97	0	2034
PEAK HR FACTOR :	0.76	0.000	0.870	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.723	0.813	0.000	0.250	0.777	0.000	0.902	0.840	0.000	0.625	0.000	0.444	0.000	0.735	0.000	0.920
													0.804					0.936					0.785			

PM	NORTHBOUND					SOUTHBOUND					EASTBOUND					WESTBOUND					SOUTHBOUND2					TOTAL
	0 NL	0 NT	0 NR	0 NU	0 NT2	0 SL	0 ST	0 SR	0 SU	0 SU2	0 EL	0 ET	0 ER	0 EU	0 EL2	0 WL	0 WT	0 WR	0 WU	0 WR2	0 S2U	0 S2L2	0 S2T2	0 S2R2	0 S2U2	
4:00 PM	62	0	148	0	0	0	0	0	0	0	64	233	0	0	28	0	171	38	0	2	0	5	0	28	0	779
4:15 PM	100	1	196	0	0	0	0	0	0	0	83	230	0	1	47	0	127	35	0	11	0	4	0	18	0	853
4:30 PM	78	0	166	0	0	0	0	0	0	0	83	254	0	4	47	0	170	44	0	3	0	11	0	25	0	885
4:45 PM	94	0	176	0	0	0	0	0	0	0	85	227	0	3	37	0	146	33	0	8	0	7	0	28	0	844
5:00 PM	88	1	158	0	0	0	0	0	0	0	99	250	0	0	41	0	161	33	0	9	0	12	0	13	0	865
5:15 PM	86	0	190	0	0	0	0	0	0	0	94	236	0	3	54	0	144	35	0	12	0	5	0	26	0	885
5:30 PM	71	0	166	0	0	0	0	0	0	0	78	204	0	0	44	0	138	31	0	8	0	8	0	26	0	774
5:45 PM	96	1	176	0	0	0	0	0	0	0	48	181	0	2	45	0	168	28	0	6	0	2	0	17	0	770
TOTAL VOLUMES : APPROACH %'s :	NL	NT	NR	NU	NT2	SL	ST	SR	SU	SU2	EL	ET	ER	EU	EL2	WL	WT	WR	WU	WR2	S2U	S2L2	S2T2	S2R2	S2U2	TOTAL
	675	3	1376	0	0	0	0	0	0	0	634	1815	0	13	343	0	1225	277	0	59	0	54	0	181	0	6655
PEAK HR :	32.86%	0.15%	66.99%	0.00%	0.00%	22.60%	64.71%	0.00%	0.46%	12.23%	0.00%	78.48%	17.75%	0.00%	3.78%	0.00%	22.98%	0.00%	77.02%	0.00%						
PEAK HR VOL :	346	1	690	0	0	0	0	0	0	0	361	967	0	10	179	0	621	145	0	32	0	35	0	92	0	3479
PEAK HR FACTOR :	0.92	0.250	0.908	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.912	0.952	0.000	0.625	0.829	0.000	0.913	0.824	0.000	0.667	0.000	0.729	0.000	0.821	0.000	0.983

National Data & Surveying Services

Intersection Turning Movement Count

Location: NB SR 99 Ramps/Button Ave & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-002
Date: 9/19/2019

HT

NS/EW Streets:		NB SR 99 Ramps/Button Ave					NB SR 99 Ramps/Button Ave					E Yosemite Ave/SR 120					E Yosemite Ave/SR 120										
AM		NORTHBOUND					SOUTHBOUND					EASTBOUND					WESTBOUND					SOUTHBOUND2					
		0 NL	0 NT	0 NR	0 NU	0 NT2	0 SL	0 ST	0 SR	0 SU	0 SU2	0 EL	0 ET	0 ER	0 EU	0 EL2	0 WL	0 WT	0 WR	0 WU	0 WR2	0 S2U	0 S2L2	0 S2T2	0 S2R2	0 S2U2	TOTAL
7:00 AM		2	0	10	0	0	0	0	0	0	0	4	10	0	0	0	0	7	11	0	0	0	0	0	0	0	44
7:15 AM		4	0	11	0	0	0	0	0	0	0	6	6	0	0	1	0	14	6	0	1	0	0	0	0	0	49
7:30 AM		2	0	6	0	0	0	0	0	0	0	8	4	0	0	0	0	9	1	0	0	0	0	0	0	0	30
7:45 AM		1	0	15	0	0	0	0	0	0	0	3	7	0	0	0	0	12	6	0	0	0	0	0	0	0	44
8:00 AM		0	0	7	0	0	0	0	0	0	0	7	8	0	0	1	0	14	8	0	0	0	0	0	0	0	45
8:15 AM		4	0	11	0	0	0	0	0	0	0	6	7	0	0	0	0	15	4	0	0	0	1	0	0	0	48
8:30 AM		0	0	8	0	0	0	0	0	0	0	5	10	0	0	2	0	13	6	0	0	0	1	0	0	0	45
8:45 AM		2	0	18	0	0	0	0	0	0	0	6	6	0	0	0	0	14	3	0	1	0	0	0	0	0	50
TOTAL VOLUMES : APPROACH %'s :		NL 15	NT 0	NR 86	NU 0	NT2 0	SL 0	ST 0	SR 0	SU 0	SU2 0	EL 45	ET 58	ER 0	EU 0	EL2 4	WL 0	WT 98	WR 45	WU 0	WR2 2	S2U 0	S2L2 2	S2T2 0	S2R2 0	S2U2 0	TOTAL 355
		14.85%	0.00%	85.15%	0.00%	0.00%						42.06%	54.21%	0.00%	0.00%	3.74%	0.00%	67.59%	31.03%	0.00%	1.38%	0.00%	100.00%	0.00%	0.00%	0.00%	
PEAK HR :		07:30 AM - 08:30 AM																									TOTAL
PEAK HR VOL :		7	0	39	0	0	0	0	0	0	0	24	26	0	0	1	0	50	19	0	0	0	1	0	0	0	167
PEAK HR FACTOR :		0.438	0.000	0.650	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.813	0.000	0.000	0.250	0.000	0.833	0.594	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.870
				0.719										0.797				0.784					0.250				

[illegible]

National Data & Surveying Services

Intersection Turning Movement Count

Location: NB SR 99 Ramps/Button Ave & E Yosemite Ave/SR 120
City: Manteca
Control: 0

Project ID: 19-07319-002
Date: 9/19/2019

Bikes

[illegible][illegible]

LOS CALCULATIONS

1: Yosemite Ave & Ideal Pky Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.1	0.5	0.1	0.3
Total Del/Veh (s)	5.5	1.5	6.9	3.6

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	12.2	22.9	18.9	18.1

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.0	0.3	3.2	0.3
Total Del/Veh (s)	35.4	37.6	39.3	52.7	38.3

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.2	0.9	0.2
Total Del/Veh (s)	12.2	12.7	18.4	19.5	13.7

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)			0.7		
Total Del/Veh (s)			722.1		

Intersection: 1: Yosemite Ave & Ideal Pky

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	47	53
Average Queue (ft)	13	16
95th Queue (ft)	38	44
Link Distance (ft)		786
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	320	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R
Maximum Queue (ft)	180	180	169	126	251	307	331	239	127	136	175
Average Queue (ft)	79	67	55	41	139	161	125	72	47	68	88
95th Queue (ft)	147	139	120	97	236	271	273	191	98	120	151
Link Distance (ft)	364	364	364	364		362	362	362		278	
Upstream Blk Time (%)						0	0				
Queuing Penalty (veh)						0	0				
Storage Bay Dist (ft)					420				350		350
Storage Blk Time (%)						0					
Queuing Penalty (veh)						0					

Queuing and Blocking Report
Baseline

AM EXISTING
11/23/2019

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	249	271	227	187	314	279	255	181	168	201	249	222
Average Queue (ft)	126	156	97	70	180	169	127	73	62	123	157	126
95th Queue (ft)	218	248	199	143	269	255	221	147	148	190	222	202
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)							0	0				
Queuing Penalty (veh)							0	0				

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	116	162
Average Queue (ft)	28	85
95th Queue (ft)	77	145
Link Distance (ft)	656	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		170
Storage Blk Time (%)		0
Queuing Penalty (veh)		0

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	90	267	69	76	169	179	108	100	80	127
Average Queue (ft)	19	124	28	31	67	70	38	36	26	52
95th Queue (ft)	59	219	57	66	126	132	80	79	62	98
Link Distance (ft)		1208	1208		2158			2217		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)		2			0	0				
Queuing Penalty (veh)		0			0	0				

Zone Summary

Zone wide Queuing Penalty: 1

1: Yosemite Ave & Ideal Parkway Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.2	0.1	0.1
Total Del/Veh (s)	8.2	1.5	11.9	6.4

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	1.3	0.0	0.0	0.6
Total Del/Veh (s)	32.1	16.1	45.7	30.2

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.1	0.4	3.1	0.3
Total Del/Veh (s)	62.5	41.6	31.5	60.5	48.0

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	25.5	0.1	1.4	1.2	15.2
Total Del/Veh (s)	36.0	23.0	36.2	36.3	32.9

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)			11.1		
Total Del/Veh (s)			453.0		

Intersection: 1: Yosemite Ave & Ideal Parkway

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	46	83
Average Queue (ft)	14	34
95th Queue (ft)	38	69
Link Distance (ft)		668
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	320	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB	B41
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R	T
Maximum Queue (ft)	347	352	324	288	233	338	244	134	266	346	276	469
Average Queue (ft)	196	203	178	98	120	141	49	15	175	216	128	127
95th Queue (ft)	345	353	333	257	220	263	165	56	291	371	287	521
Link Distance (ft)	364	364	364	364		362	362	362		278		582
Upstream Blk Time (%)	3	2	1	0		0			1	14	1	9
Queuing Penalty (veh)	10	8	3	0		0			0	0	0	0
Storage Bay Dist (ft)					420				350		350	
Storage Blk Time (%)						0			1	14	1	
Queuing Penalty (veh)						0			4	81	5	

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	B22
Directions Served	T
Maximum Queue (ft)	319
Average Queue (ft)	86
95th Queue (ft)	469
Link Distance (ft)	717
Upstream Blk Time (%)	7
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	362	406	414	410	278	275	227	166	204	251	408	358
Average Queue (ft)	265	333	330	316	179	167	123	76	86	132	243	207
95th Queue (ft)	412	446	454	443	268	260	209	142	180	211	343	315
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)	0	15	15	5								
Queuing Penalty (veh)	0	80	76	29								
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)	0	15					0		0	0	1	0
Queuing Penalty (veh)	1	29					0		0	0	2	0

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	160	162
Average Queue (ft)	35	79
95th Queue (ft)	108	150
Link Distance (ft)	656	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		170
Storage Blk Time (%)	0	3
Queuing Penalty (veh)	0	1

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	214	775	677	118	244	226	102	185	152	229
Average Queue (ft)	51	526	350	49	106	97	42	68	52	94
95th Queue (ft)	153	864	827	100	205	187	89	140	107	173
Link Distance (ft)		1218	1218		2268			1310		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)	0	30			0			0		1
Queuing Penalty (veh)	0	14			0			0		0

Zone Summary

Zone wide Queuing Penalty: 343

1: Yosemite Ave & Ideal Pky Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.5	0.1	0.1	0.3
Total Del/Veh (s)	5.8	1.5	12.0	7.2	3.8

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	12.3	21.5	18.7	17.3

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.0	0.3	3.3	0.3
Total Del/Veh (s)	36.7	39.3	39.6	55.1	39.5

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.1	1.0	0.2
Total Del/Veh (s)	12.0	12.8	17.8	19.1	13.6

Total Zone Performance

Denied Del/Veh (s)			0.7		
Total Del/Veh (s)			693.1		

Intersection: 1: Yosemite Ave & Ideal Pky

Movement	EB	WB	NB	SB
Directions Served	L	L	LTR	LTR
Maximum Queue (ft)	43	10	31	56
Average Queue (ft)	11	0	8	17
95th Queue (ft)	36	5	29	44
Link Distance (ft)			820	786
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	320	100		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R
Maximum Queue (ft)	172	180	158	128	269	292	307	235	103	142	177
Average Queue (ft)	81	74	58	42	131	155	116	71	47	64	87
95th Queue (ft)	156	151	127	97	240	275	266	195	92	116	147
Link Distance (ft)	364	364	364	364		362	362	362		278	
Upstream Blk Time (%)						0	0				
Queuing Penalty (veh)						1	0				
Storage Bay Dist (ft)					420				350		350
Storage Blk Time (%)						0					
Queuing Penalty (veh)						1					

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	287	318	310	248	319	304	255	153	191	222	273	243
Average Queue (ft)	129	165	114	82	185	176	128	73	77	123	168	140
95th Queue (ft)	231	268	251	183	278	271	214	141	167	194	242	223
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)		0	0									
Queuing Penalty (veh)		0	0									
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)		0					0					
Queuing Penalty (veh)		0					0					

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	68	182
Average Queue (ft)	22	89
95th Queue (ft)	54	156
Link Distance (ft)	656	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	170	
Storage Blk Time (%)	1	
Queuing Penalty (veh)	0	

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	85	300	77	81	196	206	112	98	70	123
Average Queue (ft)	20	128	30	29	74	70	39	35	27	52
95th Queue (ft)	57	239	63	66	144	143	82	76	63	98
Link Distance (ft)		1208	1208		2158			2217		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)		2				0				
Queuing Penalty (veh)		1				0				

Zone Summary

Zone wide Queuing Penalty: 3

1: Yosemite Ave & Ideal Parkway Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.2	0.1	0.1	0.1
Total Del/Veh (s)	8.3	1.5	21.4	13.5	6.6

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.3	0.0	0.0	0.2
Total Del/Veh (s)	29.6	20.4	51.9	32.0

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.1	0.4	3.0	0.3
Total Del/Veh (s)	64.0	42.5	33.0	60.0	49.4

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	14.9	0.1	1.3	1.2	9.1
Total Del/Veh (s)	32.8	20.9	32.6	35.4	30.2

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)			6.5		
Total Del/Veh (s)			1585.4		

Intersection: 1: Yosemite Ave & Ideal Parkway

Movement	EB	WB	NB	SB
Directions Served	L	L	LTR	LTR
Maximum Queue (ft)	35	26	35	80
Average Queue (ft)	13	2	10	32
95th Queue (ft)	36	12	33	67
Link Distance (ft)		1760	900	668
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	320			
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB	B41
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R	T
Maximum Queue (ft)	332	354	333	271	238	286	309	241	276	346	277	422
Average Queue (ft)	194	197	167	98	117	137	136	93	183	225	161	156
95th Queue (ft)	327	341	313	234	202	244	281	201	301	381	310	609
Link Distance (ft)	364	364	364	364		362	362	362		278		582
Upstream Blk Time (%)	1	1	1	0		0	0		1	15	2	13
Queuing Penalty (veh)	5	5	3	0		0	0		0	0	0	0
Storage Bay Dist (ft)					420				350		350	
Storage Blk Time (%)						0			1	15	2	
Queuing Penalty (veh)						0			8	90	8	

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	B22
Directions Served	T
Maximum Queue (ft)	454
Average Queue (ft)	129
95th Queue (ft)	572
Link Distance (ft)	717
Upstream Blk Time (%)	9
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	362	412	409	408	282	263	231	188	203	235	424	363
Average Queue (ft)	276	341	345	322	175	166	124	81	86	140	253	220
95th Queue (ft)	415	453	455	447	251	248	201	147	177	209	352	317
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)	0	15	16	5								
Queuing Penalty (veh)	0	79	87	27								
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)	0	15					0	0			1	0
Queuing Penalty (veh)	1	29					0	0			2	0

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	182	172
Average Queue (ft)	36	80
95th Queue (ft)	115	147
Link Distance (ft)	656	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		170
Storage Blk Time (%)		2
Queuing Penalty (veh)		1

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	214	747	664	113	222	210	80	151	126	167
Average Queue (ft)	63	505	276	42	98	94	38	65	52	83
95th Queue (ft)	183	829	740	91	184	178	76	121	99	145
Link Distance (ft)		1218	1218		2268			1310		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)	0	28			0	0				
Queuing Penalty (veh)	0	13			0	0				

Zone Summary

Zone wide Queuing Penalty: 358

1: Yosemite Ave & Ideal Pky Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.1	0.5	0.1	0.3
Total Del/Veh (s)	5.5	1.5	5.4	3.5

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	13.6	21.9	18.8	18.1

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.1	0.2	3.2	0.3
Total Del/Veh (s)	35.3	37.0	39.1	53.1	38.0

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.1	1.2	0.9	0.2
Total Del/Veh (s)	10.9	13.2	16.7	18.6	13.0

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)			0.7		
Total Del/Veh (s)			700.0		

Intersection: 1: Yosemite Ave & Ideal Pky

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	51	53
Average Queue (ft)	12	13
95th Queue (ft)	37	38
Link Distance (ft)		786
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	320	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R
Maximum Queue (ft)	169	165	151	134	255	285	341	318	108	125	180
Average Queue (ft)	84	77	64	42	139	161	121	80	48	67	91
95th Queue (ft)	156	151	130	98	246	268	287	217	98	116	156
Link Distance (ft)	364	364	364	364		362	362	362		278	
Upstream Blk Time (%)							0	0			
Queuing Penalty (veh)							1	0			
Storage Bay Dist (ft)					420				350		350
Storage Blk Time (%)											
Queuing Penalty (veh)											

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	226	290	254	213	321	293	288	196	180	199	262	239
Average Queue (ft)	125	159	107	78	185	175	132	72	67	123	159	132
95th Queue (ft)	203	247	219	168	286	275	232	150	155	189	231	215
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)		0										
Queuing Penalty (veh)		0										
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)		0					0	0				
Queuing Penalty (veh)		0					0	0				

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	144	164
Average Queue (ft)	27	82
95th Queue (ft)	95	146
Link Distance (ft)	656	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	170	
Storage Blk Time (%)	1	
Queuing Penalty (veh)	0	

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	89	288	74	88	190	170	90	97	81	122
Average Queue (ft)	20	119	30	28	78	73	38	33	25	48
95th Queue (ft)	62	227	61	70	143	142	79	71	65	94
Link Distance (ft)		1208	1208		2158			2217		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)		1								
Queuing Penalty (veh)		0								

Zone Summary

Zone wide Queuing Penalty: 2

1: Yosemite Ave & Ideal Parkway Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.2	0.1	0.1
Total Del/Veh (s)	8.0	1.4	11.5	6.3

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.8	0.0	0.0	0.4
Total Del/Veh (s)	32.3	19.1	60.8	34.5

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.1	0.4	3.0	0.3
Total Del/Veh (s)	65.7	42.7	32.9	60.9	50.1

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	14.2	0.1	1.4	1.1	8.7
Total Del/Veh (s)	33.2	21.4	33.8	35.6	30.7

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)					6.3
Total Del/Veh (s)					1745.9

Intersection: 1: Yosemite Ave & Ideal Parkway

Movement	EB	WB	SB
Directions Served	L	TR	LTR
Maximum Queue (ft)	39	4	71
Average Queue (ft)	14	0	31
95th Queue (ft)	38	3	57
Link Distance (ft)		1760	668
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	320		
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB	B41
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R	T
Maximum Queue (ft)	352	360	338	309	193	267	314	278	278	374	278	520
Average Queue (ft)	207	209	182	110	110	128	124	91	187	239	176	228
95th Queue (ft)	341	343	320	268	186	218	265	208	309	408	326	736
Link Distance (ft)	364	364	364	364		362	362	362		278		582
Upstream Blk Time (%)	1	1	0	0				0	1	23	2	23
Queuing Penalty (veh)	4	3	2	0				0	0	0	0	0
Storage Bay Dist (ft)					420				350		350	
Storage Blk Time (%)									1	23	2	
Queuing Penalty (veh)									7	139	8	

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	B22
Directions Served	T
Maximum Queue (ft)	456
Average Queue (ft)	208
95th Queue (ft)	746
Link Distance (ft)	717
Upstream Blk Time (%)	21
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	362	401	410	404	316	300	244	178	214	254	375	348
Average Queue (ft)	292	342	349	327	182	175	130	82	93	144	246	204
95th Queue (ft)	417	444	445	434	276	273	209	147	192	217	342	305
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)	0	18	19	4								
Queuing Penalty (veh)	0	98	101	21								
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)	0	18					0				0	0
Queuing Penalty (veh)	2	36					0				1	1

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	86	162
Average Queue (ft)	29	83
95th Queue (ft)	69	148
Link Distance (ft)	656	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		170
Storage Blk Time (%)	0	0
Queuing Penalty (veh)	0	0

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	214	747	665	113	236	209	96	148	120	177
Average Queue (ft)	56	502	311	42	95	89	39	66	53	84
95th Queue (ft)	169	844	776	85	178	167	83	126	101	150
Link Distance (ft)		1218	1218		2268			1310		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)	0	28			0	0				
Queuing Penalty (veh)	0	13			0	0				

Zone Summary

Zone wide Queuing Penalty: 436

1: Yosemite Ave & Ideal Pky Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.5	0.1	0.1	0.3
Total Del/Veh (s)	5.4	1.5	10.4	5.8	3.6

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	12.5	22.7	18.2	17.9

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.0	0.3	3.2	0.3
Total Del/Veh (s)	35.4	38.3	39.6	53.1	38.6

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.1	1.2	1.0	0.3
Total Del/Veh (s)	11.7	13.3	17.8	18.9	13.5

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)			0.7		
Total Del/Veh (s)			728.8		

Intersection: 1: Yosemite Ave & Ideal Pky

Movement	EB	WB	NB	SB
Directions Served	L	L	LTR	LTR
Maximum Queue (ft)	38	21	36	60
Average Queue (ft)	12	1	7	13
95th Queue (ft)	36	9	29	39
Link Distance (ft)			820	786
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	320	100		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R
Maximum Queue (ft)	186	176	155	156	250	282	297	259	112	121	184
Average Queue (ft)	83	76	61	44	136	164	121	67	48	64	95
95th Queue (ft)	157	147	124	107	243	274	273	182	96	108	152
Link Distance (ft)	364	364	364	364		362	362	362		278	
Upstream Blk Time (%)											
Queuing Penalty (veh)											
Storage Bay Dist (ft)					420				350		350
Storage Blk Time (%)											
Queuing Penalty (veh)											

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	261	298	280	242	295	306	269	157	179	203	279	255
Average Queue (ft)	136	165	114	90	184	179	126	69	68	121	166	137
95th Queue (ft)	227	254	234	186	267	263	213	135	159	185	244	221
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)	0											
Queuing Penalty (veh)	0											
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)	0											
Queuing Penalty (veh)	0											

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	102	183
Average Queue (ft)	27	88
95th Queue (ft)	70	151
Link Distance (ft)	656	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	170	
Storage Blk Time (%)	1	
Queuing Penalty (veh)	0	

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	118	309	67	89	174	178	108	108	81	99
Average Queue (ft)	23	134	29	27	81	76	37	34	27	45
95th Queue (ft)	76	250	57	65	141	141	81	77	63	81
Link Distance (ft)		1208	1208		2158			2217		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)		2								
Queuing Penalty (veh)		1								

Zone Summary

Zone wide Queuing Penalty: 1

1: Yosemite Ave & Ideal Parkway Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.2	0.1	0.1	0.1
Total Del/Veh (s)	8.4	1.4	22.8	11.1	6.6

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.6	0.0	0.0	0.3
Total Del/Veh (s)	32.3	20.3	56.6	33.8

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.1	0.4	3.0	0.3
Total Del/Veh (s)	66.0	43.7	31.8	63.0	50.2

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	22.3	0.1	1.4	1.0	13.6
Total Del/Veh (s)	37.4	20.3	32.8	34.9	32.8

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)			9.6		
Total Del/Veh (s)			1586.5		

Intersection: 1: Yosemite Ave & Ideal Parkway

Movement	EB	WB	NB	SB
Directions Served	L	L	LTR	LTR
Maximum Queue (ft)	44	21	36	70
Average Queue (ft)	14	1	8	31
95th Queue (ft)	38	8	30	60
Link Distance (ft)		1760	900	668
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	320			
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB	B41
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R	T
Maximum Queue (ft)	376	386	373	344	218	277	322	263	278	367	278	650
Average Queue (ft)	208	211	184	102	114	133	124	88	179	225	151	185
95th Queue (ft)	356	370	346	245	207	240	271	211	302	386	303	657
Link Distance (ft)	364	364	364	364		362	362	362		278		582
Upstream Blk Time (%)	2	2	1	0		0	0	0	2	19	2	18
Queuing Penalty (veh)	7	7	4	1		0	0	0	0	0	0	0
Storage Bay Dist (ft)					420				350		350	
Storage Blk Time (%)						0			2	19	2	
Queuing Penalty (veh)						0			11	117	10	

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	B22
Directions Served	T
Maximum Queue (ft)	463
Average Queue (ft)	168
95th Queue (ft)	672
Link Distance (ft)	717
Upstream Blk Time (%)	18
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	362	419	410	409	306	297	244	166	187	226	356	332
Average Queue (ft)	287	343	348	326	181	174	132	82	83	140	248	210
95th Queue (ft)	411	449	447	442	279	272	215	149	172	205	347	320
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)	0	19	17	4								
Queuing Penalty (veh)	0	99	92	23								
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)	0	19					0				0	0
Queuing Penalty (veh)	1	37					0				1	0

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	118	165
Average Queue (ft)	32	80
95th Queue (ft)	92	148
Link Distance (ft)	656	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		170
Storage Blk Time (%)		1
Queuing Penalty (veh)		0

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	214	761	680	117	238	231	103	148	104	194
Average Queue (ft)	53	560	385	46	92	89	41	65	46	91
95th Queue (ft)	169	879	851	92	189	188	86	120	85	159
Link Distance (ft)		1218	1218		2268			1310		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)		31			0	0				0
Queuing Penalty (veh)		14			0	0				0

Zone Summary

Zone wide Queuing Penalty: 425

1: Yosemite Ave & Ideal Pky Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	2.3	0.1	1.7
Total Del/Veh (s)	8.9	4.8	51.5	6.5

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	22.2	17.8	39.6	23.2

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.8	0.4	3.6	0.6
Total Del/Veh (s)	19.7	73.0	59.6	189.4	62.6

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.2	0.6	0.5	0.2
Total Del/Veh (s)	16.0	23.2	21.2	24.8	21.0

Total Zone Performance

Denied Del/Veh (s)			1.5		
Total Del/Veh (s)			1094.2		

Intersection: 1: Yosemite Ave & Ideal Pky

Movement	EB	WB	SB
Directions Served	L	R	LTR
Maximum Queue (ft)	132	4	101
Average Queue (ft)	38	0	27
95th Queue (ft)	98	3	72
Link Distance (ft)			786
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	320	50	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB	B41
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R	T
Maximum Queue (ft)	248	253	229	198	290	316	308	236	250	383	278	458
Average Queue (ft)	135	131	114	95	140	159	124	79	82	199	224	92
95th Queue (ft)	216	217	197	172	261	283	273	168	219	421	318	404
Link Distance (ft)	364	364	364	364		362	362	362		278		582
Upstream Blk Time (%)					0	0	0		0	12	11	4
Queuing Penalty (veh)					0	1	0		0	0	0	0
Storage Bay Dist (ft)					420				350		350	
Storage Blk Time (%)					0	0			0	12	11	
Queuing Penalty (veh)					0	0			1	69	23	

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	B22
Directions Served	T
Maximum Queue (ft)	149
Average Queue (ft)	9
95th Queue (ft)	94
Link Distance (ft)	717
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	238	291	271	196	694	715	684	300	322	364	530	375
Average Queue (ft)	110	165	110	74	427	416	421	234	197	233	308	250
95th Queue (ft)	202	257	218	163	749	758	800	355	299	331	476	395
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)		0	0									
Queuing Penalty (veh)		0	0									
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)		0					20	3	0	0	9	1
Queuing Penalty (veh)		0					56	19	0	1	15	2

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	426	195
Average Queue (ft)	196	157
95th Queue (ft)	543	235
Link Distance (ft)	656	
Upstream Blk Time (%)	1	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		170
Storage Blk Time (%)	1	44
Queuing Penalty (veh)	2	11

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	208	286	67	84	487	294	64	125	65	114
Average Queue (ft)	84	105	20	23	194	177	16	39	11	44
95th Queue (ft)	161	233	51	60	355	288	45	89	41	83
Link Distance (ft)		1208	1208		2158			2217		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)	1	2			1	1				
Queuing Penalty (veh)	4	2			9	5				

Zone Summary

Zone wide Queuing Penalty: 221

1: Yosemite Ave & Ideal Parkway Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.3	0.1	0.1
Total Del/Veh (s)	6.7	2.1	7.8	5.0

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	20.7	0.0	0.0	10.3
Total Del/Veh (s)	34.9	21.4	81.0	38.9

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.1	0.2	0.5	3.3	0.4
Total Del/Veh (s)	67.8	47.2	36.4	151.4	55.9

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	531.1	0.0	0.7	0.6	334.2
Total Del/Veh (s)	52.0	27.5	30.6	32.4	41.4

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)			195.9		
Total Del/Veh (s)			421.3		

Intersection: 1: Yosemite Ave & Ideal Parkway

Movement	EB	SB
Directions Served	L	LTR
Maximum Queue (ft)	30	61
Average Queue (ft)	14	29
95th Queue (ft)	35	56
Link Distance (ft)		668
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)	320	
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB	B41
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R	T
Maximum Queue (ft)	381	385	387	362	266	350	367	324	278	374	278	685
Average Queue (ft)	244	253	249	207	121	154	171	124	221	289	217	335
95th Queue (ft)	354	366	367	347	215	279	344	266	336	441	359	855
Link Distance (ft)	364	364	364	364		362	362	362		278		582
Upstream Blk Time (%)	1	1	1	0		0	0	0	1	33	4	31
Queuing Penalty (veh)	3	4	3	1		1	2	0	0	0	0	0
Storage Bay Dist (ft)					420				350		350	
Storage Blk Time (%)						0			1	33	4	
Queuing Penalty (veh)						1			7	216	20	

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	B22
Directions Served	T
Maximum Queue (ft)	715
Average Queue (ft)	254
95th Queue (ft)	793
Link Distance (ft)	717
Upstream Blk Time (%)	24
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	362	422	406	417	314	297	283	244	262	296	544	375
Average Queue (ft)	306	361	365	353	210	199	178	137	158	198	294	240
95th Queue (ft)	416	435	429	433	304	286	264	219	246	277	455	357
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)	1	19	21	8								
Queuing Penalty (veh)	0	112	122	49								
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)	1	19					0	0			3	0
Queuing Penalty (veh)	2	47					0	0			7	2

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	395	195
Average Queue (ft)	142	152
95th Queue (ft)	434	223
Link Distance (ft)	656	
Upstream Blk Time (%)	0	
Queuing Penalty (veh)	0	
Storage Bay Dist (ft)		170
Storage Blk Time (%)	1	31
Queuing Penalty (veh)	1	8

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	214	809	700	176	292	238	45	111	113	238
Average Queue (ft)	76	704	611	85	140	126	12	47	29	109
95th Queue (ft)	208	771	815	161	243	217	33	96	74	193
Link Distance (ft)		1218	1218		2268			1310		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)	0	37			0	0				0
Queuing Penalty (veh)	0	30			1	0				0

Zone Summary

Zone wide Queuing Penalty: 640

1: Yosemite Ave & Ideal Pky Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	3.2	0.1	0.1	2.3
Total Del/Veh (s)	7.7	5.3	125.7	104.3	7.6

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	0.0	0.0	0.0	0.0
Total Del/Veh (s)	20.9	18.1	44.7	23.8

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.0	0.5	0.4	3.4	0.5
Total Del/Veh (s)	20.7	80.6	59.6	132.8	63.3

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.1	0.1	0.6	0.4	0.1
Total Del/Veh (s)	16.3	21.8	21.6	24.5	20.2

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)			1.7		
Total Del/Veh (s)			1101.2		

Intersection: 1: Yosemite Ave & Ideal Pky

Movement	EB	WB	WB	NB	SB
Directions Served	L	L	R	LTR	LTR
Maximum Queue (ft)	90	16	8	40	126
Average Queue (ft)	32	1	0	8	34
95th Queue (ft)	74	10	4	32	106
Link Distance (ft)				820	786
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)	320	100	50		
Storage Blk Time (%)					
Queuing Penalty (veh)					

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB	B41
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R	T
Maximum Queue (ft)	229	236	226	210	331	378	356	291	276	388	278	511
Average Queue (ft)	130	124	103	87	152	165	138	92	88	234	227	150
95th Queue (ft)	207	203	186	168	283	309	319	236	228	449	334	537
Link Distance (ft)	364	364	364	364		362	362	362		278		582
Upstream Blk Time (%)					0	0	0	0	0	21	18	10
Queuing Penalty (veh)					0	2	3	0	0	0	0	0
Storage Bay Dist (ft)					420				350		350	
Storage Blk Time (%)					0	0			0	21	18	
Queuing Penalty (veh)					0	1			0	125	37	

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	B22
Directions Served	T
Maximum Queue (ft)	180
Average Queue (ft)	62
95th Queue (ft)	379
Link Distance (ft)	717
Upstream Blk Time (%)	8
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	276	331	293	225	723	773	832	300	316	372	538	375
Average Queue (ft)	131	178	124	79	467	460	457	247	183	221	308	248
95th Queue (ft)	241	288	244	166	755	768	809	361	291	323	496	399
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)		0										
Queuing Penalty (veh)		0										
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)		0					23	4	0	0	9	0
Queuing Penalty (veh)		0					64	24	0	1	14	2

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	390	225
Average Queue (ft)	97	149
95th Queue (ft)	332	250
Link Distance (ft)	648	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		200
Storage Blk Time (%)	0	27
Queuing Penalty (veh)	0	7

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	192	365	66	72	327	294	70	110	48	99
Average Queue (ft)	84	99	20	18	179	171	17	41	7	46
95th Queue (ft)	161	237	51	50	278	275	47	87	30	87
Link Distance (ft)		1208	1208		2158			2217		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)	1	1			1	0				
Queuing Penalty (veh)	2	2			4	2				

Zone Summary

Zone wide Queuing Penalty: 292

1: Yosemite Ave & Ideal Parkway Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	0.0	0.3	0.1	0.2	0.1
Total Del/Veh (s)	8.7	2.4	20.8	14.3	6.6

10: SR 99 SB Ramps & Yosemite Ave Performance by approach

Approach	EB	WB	SB	All
Denied Del/Veh (s)	36.5	0.0	0.0	18.2
Total Del/Veh (s)	38.5	20.4	79.5	39.8

11: SR 99 NB Ramps & Yosemite Ave & Button Ave Performance by approach

Approach	EB	WB	NB	SW	All
Denied Del/Veh (s)	0.1	0.2	0.5	3.4	0.4
Total Del/Veh (s)	69.0	50.0	35.8	126.7	55.7

63: Austin Rd & Yosemite Ave Performance by approach

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)	494.0	0.0	0.7	0.6	306.7
Total Del/Veh (s)	51.4	29.9	30.5	32.7	41.8

Total Zone Performance

Approach	EB	WB	NB	SB	All
Denied Del/Veh (s)			186.1		
Total Del/Veh (s)			1964.1		

Intersection: 1: Yosemite Ave & Ideal Parkway

Movement	EB	WB	NB	SB
Directions Served	L	L	LTR	LTR
Maximum Queue (ft)	53	21	35	77
Average Queue (ft)	16	1	8	37
95th Queue (ft)	43	8	29	66
Link Distance (ft)		1760	900	668
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	320			
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	SB	SB	SB	B41
Directions Served	T	T	TR	R	L	L	T	T	L	LT	R	T
Maximum Queue (ft)	369	380	377	356	217	315	351	284	278	365	278	684
Average Queue (ft)	263	269	258	209	128	157	159	120	213	271	207	305
95th Queue (ft)	387	397	386	359	210	278	333	265	327	424	345	828
Link Distance (ft)	364	364	364	364		362	362	362		278		582
Upstream Blk Time (%)	3	3	2	0		0	0		2	32	3	31
Queuing Penalty (veh)	11	9	6	1		1	1		0	0	0	0
Storage Bay Dist (ft)					420				350		350	
Storage Blk Time (%)						0			2	32	3	
Queuing Penalty (veh)						0			15	204	17	

Intersection: 10: SR 99 SB Ramps & Yosemite Ave

Movement	B22
Directions Served	T
Maximum Queue (ft)	758
Average Queue (ft)	273
95th Queue (ft)	847
Link Distance (ft)	717
Upstream Blk Time (%)	29
Queuing Penalty (veh)	0
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	EB	EB	EB	EB	WB	WB	WB	WB	NB	NB	NB	NB
Directions Served	<	<L	T	T	T	T	TR	R>	L	LT	R>	>
Maximum Queue (ft)	362	419	412	416	353	328	295	260	276	299	416	374
Average Queue (ft)	304	353	359	350	222	212	187	138	159	202	275	235
95th Queue (ft)	423	450	438	434	327	315	286	217	251	283	383	356
Link Distance (ft)		362	362	362	1683	1683	1683			1334	1334	
Upstream Blk Time (%)	1	21	23	9								
Queuing Penalty (veh)	0	121	134	54								
Storage Bay Dist (ft)	420							275	350			350
Storage Blk Time (%)	1	21					1	0			1	0
Queuing Penalty (veh)	2	51					1	0			4	0

Intersection: 11: SR 99 NB Ramps & Yosemite Ave & Button Ave

Movement	SW	SW
Directions Served	<L	R>
Maximum Queue (ft)	347	195
Average Queue (ft)	99	140
95th Queue (ft)	317	224
Link Distance (ft)	656	
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		170
Storage Blk Time (%)	0	26
Queuing Penalty (veh)	0	7

Intersection: 63: Austin Rd & Yosemite Ave

Movement	EB	EB	EB	WB	WB	WB	NB	NB	SB	SB
Directions Served	L	T	R	L	T	TR	L	TR	L	TR
Maximum Queue (ft)	214	835	683	230	319	271	47	127	82	203
Average Queue (ft)	86	707	581	103	133	120	12	55	25	110
95th Queue (ft)	224	809	866	209	252	221	35	109	61	191
Link Distance (ft)		1218	1218		2268			1310		1711
Upstream Blk Time (%)										
Queuing Penalty (veh)										
Storage Bay Dist (ft)	190			465		270	230		225	
Storage Blk Time (%)	0	37			0	0				0
Queuing Penalty (veh)	0	30			2	0				0

Zone Summary

Zone wide Queuing Penalty: 671