201-225 Los Gatos-Saratoga Road

Transportation Impact Analysis

Technical Appendices

Appendix A

New Traffic Counts

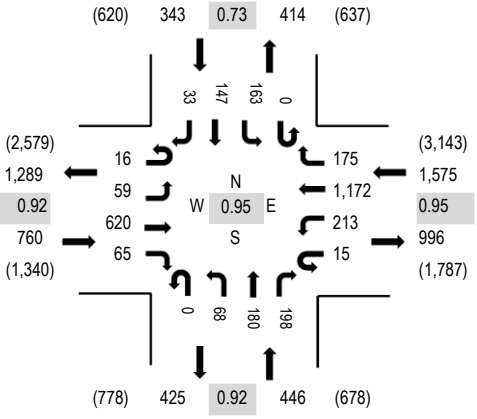
1. AM and PM Turning Movement Counts

2. Driveway Counts at Project Site

All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

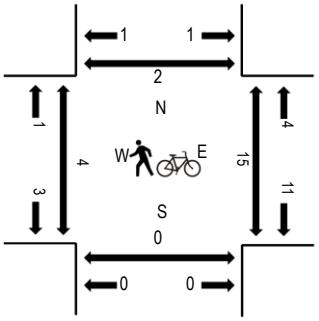
Location: 1 UNIVERSITY AVE & LOS GATOS-SARATOGA RD (HWY9) AM
Date and Start Time: Wednesday, March 2, 2016
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	LOS GATOS-SARATOGA RD (HWY9) Eastbound				LOS GATOS-SARATOGA RD (HWY9) Westbound				UNIVERSITY AVE Northbound				UNIVERSITY AVE Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	2	2	95	5	3	37	292	29	0	9	8	19	0	21	10	9	541	2,803	1	0	0	0
7:15:00 AM	0	3	123	8	4	50	297	21	0	18	12	33	0	51	30	9	659	3,061	0	4	1	2
7:30:00 AM	1	4	157	13	4	42	303	24	0	17	40	55	0	59	50	8	777	3,124	2	7	0	0
7:45:00 AM	3	14	169	21	3	46	306	58	0	17	50	46	0	44	42	7	826	3,096	2	3	0	0
8:00:00 AM	11	34	150	12	4	51	303	47	0	22	55	44	0	36	19	11	799	2,978	0	0	0	2
8:15:00 AM	1	7	144	19	4	74	260	46	0	12	35	53	0	24	36	7	722		0	2	0	0
8:30:00 AM	0	8	143	10	4	64	332	58	0	11	21	35	0	30	23	10	749		1	0	1	0
8:45:00 AM	1	14	152	14	4	69	269	35	0	13	12	41	0	33	33	18	708		3	2	0	0

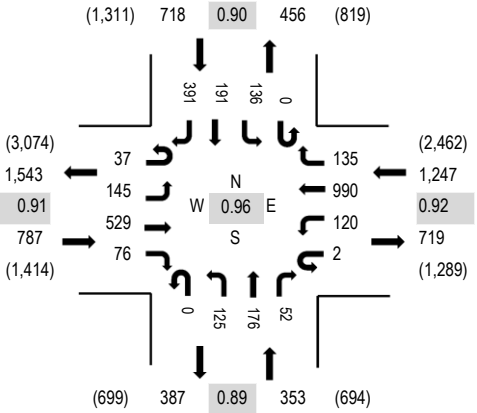
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	0	0	0	0	5	0	0	0	0	0	0	1	0	0	6
Lights	16	59	602	64	15	207	1,126	170	0	65	179	194	0	161	146	31	3,035
Mediums	0	0	18	1	0	6	41	5	0	3	1	4	0	1	1	2	83
Total	16	59	620	65	15	213	1,172	175	0	68	180	198	0	163	147	33	3,124

All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

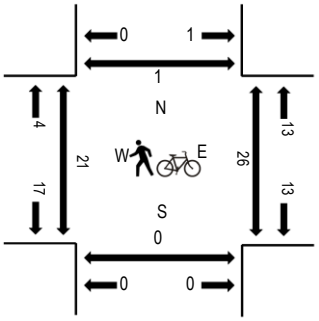
Location: 2 N SANTA CRUZ AVE & LOS GATOS-SARATOGA RD (HWY9) AM
Date and Start Time: Wednesday, March 2, 2016
Peak Hour: 07:30 AM - 08:30 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	LOS GATOS-SARATOGA RD (HWY9) Eastbound				LOS GATOS-SARATOGA RD (HWY9) Westbound				N SANTA CRUZ AVE Northbound				N SANTA CRUZ AVE Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	5	29	63	12	1	18	235	19	0	58	20	15	0	22	19	84	600	2,907	2	1	0	0
7:15:00 AM	6	25	103	14	1	26	247	30	0	38	24	14	0	25	47	107	707	3,085	3	2	1	1
7:30:00 AM	8	16	133	22	1	25	278	36	0	32	31	10	0	46	49	104	791	3,105	6	3	0	0
7:45:00 AM	9	51	138	19	1	25	255	29	0	33	49	17	0	30	51	102	809	3,035	8	4	0	1
8:00:00 AM	8	46	136	14	0	29	241	48	0	32	52	6	0	25	54	87	778	2,974	1	10	0	0
8:15:00 AM	12	32	122	21	0	41	216	22	0	28	44	19	0	35	37	98	727		3	6	0	0
8:30:00 AM	4	34	125	12	2	28	266	29	0	33	39	10	0	26	35	78	721		3	14	1	2
8:45:00 AM	6	40	127	22	1	43	233	36	0	39	38	13	0	22	36	92	748		2	5	0	0

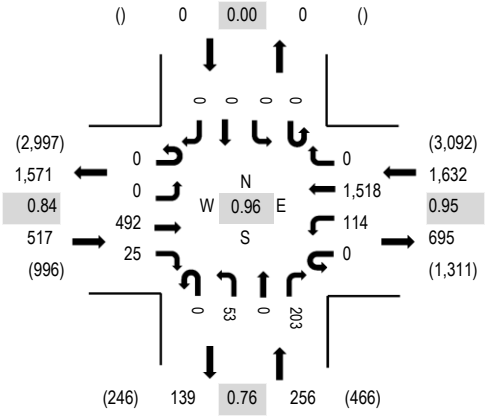
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	1	0	0	0	1	4	3	0	0	0	0	0	1	0	1	11
Lights	37	143	517	76	2	118	955	130	0	124	173	50	0	133	187	385	3,030
Mediums	0	1	12	0	0	1	31	2	0	1	3	2	0	2	4	5	64
Total	37	145	529	76	2	120	990	135	0	125	176	52	0	136	191	391	3,105

All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

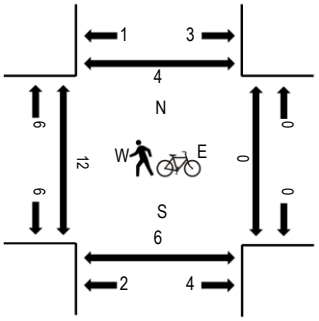
Location: 3 MASSOL AVE & LOS GATOS-SARATOGA RD (HWY9) AM
Date and Start Time: Wednesday, March 2, 2016
Peak Hour: 07:15 AM - 08:15 AM
Peak 15-Minutes: 07:45 AM - 08:00 AM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	LOS GATOS-SARATOGA RD (HWY9) Eastbound				LOS GATOS-SARATOGA RD (HWY9) Westbound				MASSOL AVE Northbound				DWY Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00:00 AM	0	0	64	3	0	14	341	0	0	9	0	34	0	0	0	0	465	2,287	2	0	0	0
7:15:00 AM	0	0	99	4	0	32	397	0	0	10	0	41	0	0	0	0	583	2,405	3	0	3	0
7:30:00 AM	0	0	149	4	0	27	387	0	0	8	0	35	0	0	0	0	610	2,375	0	0	1	0
7:45:00 AM	0	0	126	11	0	29	379	0	0	17	0	67	0	0	0	0	629	2,324	1	0	1	0
8:00:00 AM	0	0	118	6	0	26	355	0	0	18	0	60	0	0	0	0	583	2,267	5	0	0	4
8:15:00 AM	0	0	133	1	0	23	333	0	0	23	0	40	0	0	0	0	553		0	0	0	0
8:30:00 AM	0	0	130	3	0	34	346	0	0	12	0	34	0	0	0	0	559		0	0	0	0
8:45:00 AM	0	0	140	5	0	24	345	0	0	17	0	41	0	0	0	0	572		0	0	0	0

Peak Rolling Hour Flow Rates

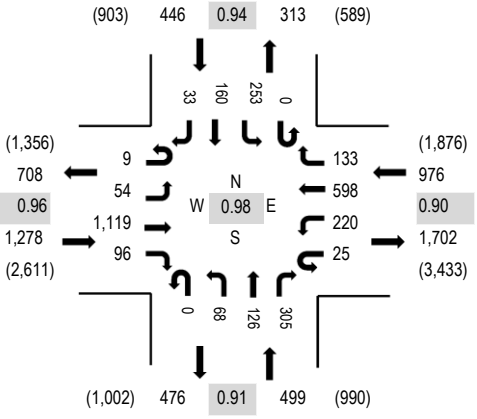
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	3
Lights	0	0	482	25	0	111	1,485	0	0	52	0	202	0	0	0	0	2,357
Mediums	0	0	8	0	0	3	32	0	0	1	0	1	0	0	0	0	45
Total	0	0	492	25	0	114	1,518	0	0	53	0	203	0	0	0	0	2,405

All Traffic Data Services Inc.

(303) 216-2439
www.alltrafficdata.net

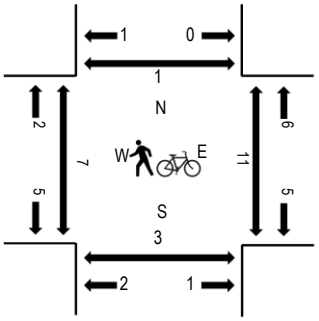
Location: 1 UNIVERSITY AVE & LOS GATOS-SARATOGA RD (HWY9) PM
Date and Start Time: Wednesday, March 2, 2016
Peak Hour: 04:45 PM - 05:45 PM
Peak 15-Minutes: 05:15 PM - 05:30 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	LOS GATOS-SARATOGA RD (HWY9) Eastbound				LOS GATOS-SARATOGA RD (HWY9) Westbound				UNIVERSITY AVE Northbound				UNIVERSITY AVE Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	1	12	293	17	5	64	141	22	0	12	29	81	0	58	52	14	801	3,187	1	3	1	1
4:15:00 PM	1	9	296	25	7	69	143	20	0	23	26	71	0	60	45	10	805	3,186	1	2	0	3
4:30:00 PM	3	12	319	19	5	53	122	26	0	18	32	76	0	45	48	12	790	3,196	4	2	0	0
4:45:00 PM	3	11	278	24	9	49	141	35	0	25	31	67	0	65	43	10	791	3,199	0	2	1	1
5:00:00 PM	2	13	287	22	5	50	147	32	0	15	32	90	0	66	31	8	800	3,193	3	3	0	0
5:15:00 PM	2	15	292	24	4	65	138	29	0	17	35	78	0	63	43	10	815		1	1	1	0
5:30:00 PM	2	15	262	26	7	56	172	37	0	11	28	70	0	59	43	5	793		2	4	0	0
5:45:00 PM	5	6	288	27	5	55	119	44	0	16	38	69	0	53	52	8	785		6	2	0	3

Peak Rolling Hour Flow Rates

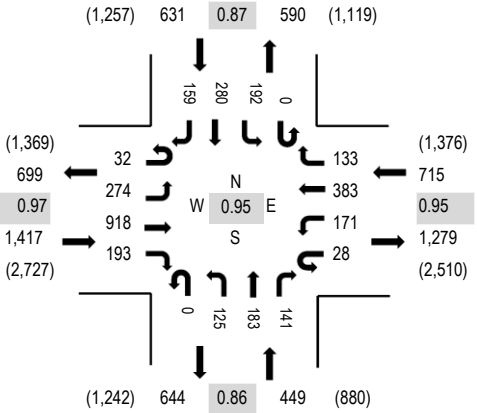
Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lights	9	54	1,109	95	25	216	595	132	0	65	126	304	0	253	160	33	3,176
Mediums	0	0	9	1	0	4	3	1	0	3	0	1	0	0	0	0	22
Total	9	54	1,119	96	25	220	598	133	0	68	126	305	0	253	160	33	3,199

All Traffic Data Services Inc.

(303) 216-2439
www.alltrafficdata.net

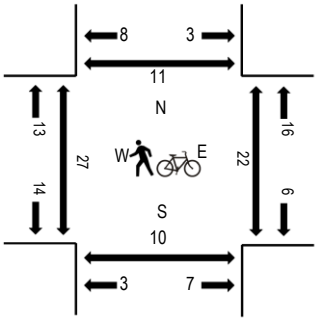
Location: 2 N SANTA CRUZ AVE & LOS GATOS-SARATOGA RD (HWY9) PM
Date and Start Time: Wednesday, March 2, 2016
Peak Hour: 04:30 PM - 05:30 PM
Peak 15-Minutes: 04:30 PM - 04:45 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	LOS GATOS-SARATOGA RD (HWY9) Eastbound				LOS GATOS-SARATOGA RD (HWY9) Westbound				N SANTA CRUZ AVE Northbound				N SANTA CRUZ AVE Southbound				Total	Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
4:00:00 PM	4	58	217	36	4	42	74	31	0	26	36	48	0	50	70	41	737	3,178	7	2	2	3
4:15:00 PM	11	73	231	44	7	43	75	39	0	21	59	34	0	43	80	45	805	3,210	12	8	2	1
4:30:00 PM	6	64	247	47	5	44	87	29	0	38	52	40	0	58	80	44	841	3,212	8	9	3	1
4:45:00 PM	6	72	233	52	5	49	91	33	0	28	47	26	0	38	75	40	795	3,132	11	12	3	5
5:00:00 PM	14	63	224	42	12	36	108	33	0	24	39	37	0	40	59	38	769	3,062	5	0	3	4
5:15:00 PM	6	75	214	52	6	42	97	38	0	35	45	38	0	56	66	37	807		1	1	1	1
5:30:00 PM	5	58	211	50	2	44	86	28	0	33	39	34	0	54	63	54	761		5	11	3	1
5:45:00 PM	6	42	237	27	6	39	114	27	0	32	39	30	0	23	60	43	725		2	6	1	0

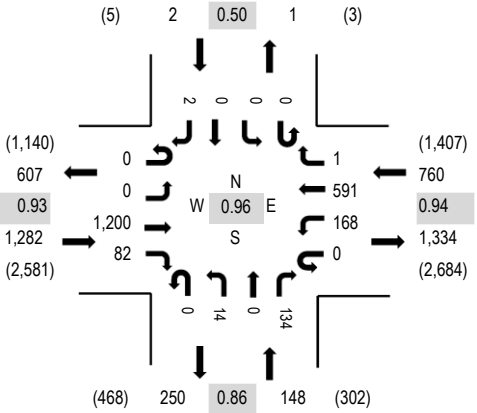
Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lights	32	273	907	192	28	171	382	132	0	125	182	138	0	191	278	158	3,189
Mediums	0	1	9	1	0	0	1	1	0	0	1	3	0	1	2	1	21
Total	32	274	918	193	28	171	383	133	0	125	183	141	0	192	280	159	3,212

All Traffic Data Services Inc.
(303) 216-2439
www.alltrafficdata.net

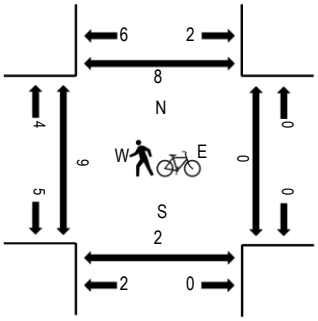
Location: 3 MASSOL AVE & LOS GATOS-SARATOGA RD (HWY9) PM
Date and Start Time: Wednesday, March 2, 2016
Peak Hour: 05:00 PM - 06:00 PM
Peak 15-Minutes: 05:00 PM - 05:15 PM

Peak Hour - All Vehicles



Note: Total study counts contained in parentheses.

Peak Hour - Pedestrians/Bicycles in Crosswalk



Traffic Counts

Interval Start Time	LOS GATOS-SARATOGA RD (HWY9) Eastbound				LOS GATOS-SARATOGA RD (HWY9) Westbound				MASSOL AVE Northbound				DWY Southbound					Rolling Hour	Pedestrain Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total		West	East	South	North
4:00:00 PM	0	0	291	22	0	42	118	0	0	4	0	29	0	0	0	1	507	2,103	0	0	0	0
4:15:00 PM	0	0	297	24	0	27	137	1	0	4	0	39	0	0	0	0	529	2,164	3	0	0	0
4:30:00 PM	0	0	319	19	0	29	133	1	0	5	0	30	0	0	1	1	538	2,191	1	0	0	1
4:45:00 PM	0	0	306	21	0	33	126	0	0	4	0	39	0	0	0	0	529	2,172	3	0	0	3
5:00:00 PM	0	0	321	23	0	32	155	1	0	1	0	34	0	0	0	1	568	2,192	2	0	0	3
5:15:00 PM	0	0	299	25	0	48	140	0	0	6	0	37	0	0	0	1	556		0	0	0	1
5:30:00 PM	0	0	291	13	0	46	136	0	0	3	0	30	0	0	0	0	519		1	0	1	1
5:45:00 PM	0	0	289	21	0	42	160	0	0	4	0	33	0	0	0	0	549		4	0	0	3

Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	Total
Articulated Trucks	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lights	0	0	1,197	82	0	167	588	1	0	14	0	133	0	0	0	2	2,184
Mediums	0	0	3	0	0	1	3	0	0	0	0	1	0	0	0	0	8
Total	0	0	1,200	82	0	168	591	1	0	14	0	134	0	0	0	2	2,192

Comparison of TMC's at 3 Los Gatos Intersections

Vehicle volumes - does not include bikes or peds

Entering volume includes all movements (left turn, thru, and right turn) from that approach.

	2012 CMP	2014 CMP	2015 Count	2016 Count
AM Peak Hour	CMP Database	CMP Database	1/21/2015	3/2/2016
SR 9 and Massol Ave				
WB entering intersection			1499	1632
EB entering intersection			564	517
Total Volume entering			2280	2405
SR 9 and Santa Cruz Ave				
WB entering intersection			1177	1247
EB entering intersection			713	787
Total Volume entering			3128	3105
SR 9 and University Ave				
WB entering intersection			1496	1575
EB entering intersection			681	760
Total Volume entering			3000	3124
PM Peak Hour				
SR 9 and Massol Ave				
WB entering intersection			766	760
EB entering intersection			1232	1282
Total Volume entering			2163	2192
SR 9 and Santa Cruz Ave				
WB entering intersection	791	834	735	715
EB entering intersection	1268	1217	1319	1417
Total Volume entering	3351	3291	3120	3212
SR 9 and University Ave				
WB entering intersection	1091	825	915	976
EB entering intersection	1229	1175	1182	1278
Total Volume entering	3291	3102	3092	3199

Notes:

2012 and 2014 CMP Counts are from VTA's CMP database for those years. The CMP database only includes PM peak hour counts.

2015 Counts were conducted for a TIA prepared for a different project description at the same site, 201-225 Los Gatos-Saratoga Road.

2016 Counts were conducted for this TIA.

WEST DRIVEWAY AT PROJECT SITE

SITE ID: 4 **DATE:** 21-Jan

AM	IN	OUT
7:00	0	0
7:15	0	0
7:30	1	0
7:45	0	0
8:00	1	0
8:15	3	0
8:30	3	0
8:45	1	0
TOTAL:	9	0

PM	IN	OUT
4:00	1	2
4:15	0	0
4:30	0	1
4:45	1	0
5:00	0	0
5:15	3	0
5:30	2	1
5:45	1	5
TOTAL:	8	9

	IN	OUT
DAILY TOTAL:	17	9

DATE: 22-Jan

AM	IN	OUT
7:00	0	1
7:15	0	0
7:30	0	0
7:45	0	0
8:00	0	0
8:15	3	1
8:30	2	0
8:45	0	0
TOTAL:	5	2

PM	IN	OUT
4:00	3	0
4:15	1	0
4:30	4	0
4:45	1	1
5:00	1	0
5:15	0	2
5:30	0	3
5:45	0	1
TOTAL:	10	7

	IN	OUT
DAILY TOTAL:	15	9

EAST DRIVEWAY AT PROJECT SITE

SITE ID: 5 **DATE:** 21-Jan

AM	IN	OUT
7:00	0	0
7:15	0	0
7:30	0	0
7:45	0	0
8:00	1	1
8:15	0	0
8:30	1	1
8:45	5	0
TOTAL:	7	2

PM	IN	OUT
4:00	11	5
4:15	4	9
4:30	10	8
4:45	2	2
5:00	1	3
5:15	6	7
5:30	6	8
5:45	8	6
TOTAL:	48	48

	IN	OUT
DAILY TOTAL:	55	50

DATE: 22-Jan

AM	IN	OUT
7:00	0	1
7:15	0	0
7:30	1	1
7:45	0	0
8:00	0	0
8:15	1	0
8:30	1	0
8:45	1	0
TOTAL:	4	2

PM	IN	OUT
4:00	12	12
4:15	3	8
4:30	5	6
4:45	10	12
5:00	6	5
5:15	3	5
5:30	3	5
5:45	3	2
TOTAL:	45	55

	IN	OUT
DAILY TOTAL:	49	57

Appendix B

Town of Los Gatos Approved and Pending Projects

Project List

ID	ProjectName	St Address	Location	Status	Notes
59	485,000 sf Office at Albright	ALBRIGHT WY	Albright/Winchester	Approved	Replace 250,000 sqft office with 485,000 sq.ft.office
69	Bentley Silcon Valley Auto Dealer	620 BLOSSOM HILL RD	BHR opposite Oak Rim	Approved	Increase from 26,085 sf to 31,909 sf
73	Adding 2 homes (3-home subdivision)	146 GEMINI CT	146 Gemini	Approved	3-home subdivision
92	Los Gatos High School	20 HIGH SCHOOL CT	20 High School Court	Approved	To add 200 students
82	4-home subdivision	550 HUBBELL WY	550 Hubbell	Approved	4-home subdivision on vacant lot
80	Residential	375 KNOWLES DR	375 Knowles NW Corner of Capri	Approved	33 detached homes
61	North 40	LOS GATOS BL	North 40	Approved	
34	Motel & Mixed Commercial	55 LOS GATOS-SARATOGA RD	LGS/Alberto	Approved	Demolish 3 rooms and add retail/office/restaurant
100	Water District La Riconada Plant	400 MORE AV	400 More Av	Approved	Plant Renovation
38	Placer Oaks Residential	PLACER OAKS RD	Placer Oaks/Frank	Approved	10-home subdivision
89	17 homes at Sisters	100 PROSPECT AV	100 Prospect Av	Approved	Demolish existing Convent (Sisters) and construct 17 detached homes
11	Highlands of Los Gatos	15700 SHADY LN	Highlands of Los Gatos	Approved	Residential subdivision

Project List

ID	ProjectName	St Address	Location	Status	Notes
98	401 Alberto Way Office Development	401-409 ALBERTO WY	401-409 Alberto Way (NWC with LGS)	Pending	Demolish 30,000 sq.ft. office buildings and construct 93,500 sq.ft. office complex
78	AHOZ	517 BLOSSOM HILL RD	AHOZ - Los Gatos Oaks Apt	Pending	Demolish 30-unit apt and construct 103 unit residence
77	AHOZ	420 BLOSSOM HILL RD	AHOZ - Higgins Business Park	Pending	Demollish 6,514 sq.ft. office and construct 86 unit residence
75	Dell Avenue Plan (Campbell)	DELL AV	Dell Avenue (Campbell)	Pending	Add +/- 3,000,000 sq.ft. office
84	Venture Christian Church	16845 HICKS RD	16845 Hicks/Burke	Pending	Increase from 91,092 sqft to 107,289 sqft
74	AHOZ	140 KNOWLES DR	AHOZ - Southbay Development	Pending	Remove 111,348 sq.ft. and construct 200 units residence
99	Acura Auto Dealer	16151 LOS GATOS BL	16151 LGB (Acura auto dealer)	Pending	Add 1,097 sq.ft. floor area
65	CVS	15600 LOS GATOS BL	NEC LGB/LGA	Pending	Demolish auto dealer and build commercial bldgs
93	Convenience Store at Existing Gas Station	15380 LOS GATOS BL	NEC LGB/Gateway	Pending	Demolish existing 2,400 sf convenience store and Construct a 3,700 sf new convenience store
67	11-home subdivision	16212 LOS GATOS BL	NEC LGB/Shannon	Pending	11 homes on vacant commercial building
68	Moore Buick GMC	15500 LOS GATOS BL	LGB btw LGA and Village Square	Pending	Redevelopment assumption
91	201-225 Los Gatos Saratoga Commercial	201-225 LOS GATOS-SARATOGA RD	SWC LGS/NSC	Pending	Demolish 3,250 sf specialty and 8,156 sf general office and construct 17,654 sf mixed commercial use
76	AHOZ	50 LOS GATOS-SARATOGA RD	AHOZ - Los Gatos Lodge	Pending	Demolish 189-Room Hotel and construct 230 unit residence
94	4-home subdivision	101 NEWELL AV	Elks Lodge	Pending	Demolish existing lodge and construct 4 homes (negative trip increase)
83	Samaritan Medical Office Master Plan	SAMARITAN DR	Samaritan Medical (San Jose)	Pending	Net increase 365,000 sqft medical office (Total 475k sqft)
95	Shady Lane Extension	15215 SHANNON RD	15215 Shannon	Pending	5-lot subdivision on vacant lot
64	Twin Oaks	TWIN OAKS DR	Twin Oaks	Pending	existing vacant lot 10-lot subdivision
101	3-home subdiviaion	15975 UNION AV	BHR/Union NWC	Pending	Net increase 2 detached homes
81	7-home subdivision	258 UNION AV	258 Union	Pending	7-home subdivision on vacant lot
85	Winchester/Shellburne Office	15860 WINCHESTER BL	15860/15880/15894 Winchester/Shelburne	Pending	Demolish 4 homes and construct 30,680 sq.ft. office

Appendix C

Volume Summary Tables

Intersection Number:	1
Traffix Node Number:	9
Intersection Name:	Massol Avenue and Los Gatos-Saratoga Road
Peak Hour:	AM
Count Date:	03/02/16
Scenario:	201-225 Los Gatos - Saratoga Road

Date of Analysis: 07/19/16

Future Growth % Per Year:
Number of Years to Cumulative Horizon:

	Movements												
	Northbound			Southbound			Eastbound			Westbound			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
INDEX	4	3	2	7	6	5	10	9	8	13	12	11	
PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
User Adjustment	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Existing Conditions	203	0	53	0	0	0	25	492	0	0	1518	114	2405
Approved Project Trips													
Albright Way Office								11			1		12
Bentley Silicon Valley Auto Dealer													0
Los Gatos High School								5			2		7
550 Hubbell Way													0
375 Knowles Drive													0
North 40 Specific Plan								17			10		27
55 Los Gatos-Saratoga Road								1					1
Placer Oaks Road								3			1		4
Highlands of Los Gatos											1		1
Total Approved Trips	0	0	0	0	0	0	0	37	0	0	15	0	52
Background Conditions	203	0	53	0	0	0	25	529	0	0	1533	114	2457
Project Trips													
Net Project Trips	0	0	0	0	0	0	0	11	0	0	7	0	18
Existing + Project	203	0	53	0	0	0	25	503	0	0	1525	114	2423
Background + Project	203	0	53	0	0	0	25	540	0	0	1540	114	2475
Pending Project Trips													
401 Alberto Way Office								24			2		26
AHOZ Update													0
Dell Avenue Area Plan								3			24		27
16151 Los Gatos Blvd-Acura Auto Dealer								1					1
15600 and 15650 Los Gatos Blvd													0
15380 Los Gatos Blvd													0
16212 Los Gatos Blvd													0
15500 Los Gatos Blvd													0
Samaritan Medical Office Master Plan								3			1		4
Twin Oaks													0
Winchester/Shelburne Office								3					3
Total Pending Trips	0	0	0	0	0	0	0	0	0	34	0	0	0	27	0	61
Cumulative Baseline Conditions	203	0	53	0	0	0	25	563	0	0	1560	114	2518
Cumulative + Proj Conditions	203	0	53	0	0	0	25	574	0	0	1567	114	2536

Intersection Number: 2 10 2
Traffix Node Number: 10
Intersection Name: Santa Cruz Avenue & Los Gatos-Saratoga Road
Peak Hour: AM Date of Analysis: 07/19/16
Count Date: 03/02/16
Scenario: 201-225 Los Gatos - Saratoga Road

Future Growth % Per Year:
Number of Years to Cumulative Horizon:

	Movements												
	Northbound			Southbound			Eastbound			Westbound			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
INDEX	4	3	2	7	6	5	10	9	8	13	12	11	
PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
User Adjustment	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Existing Conditions	52	176	125	391	191	136	76	529	182	135	990	122	3105
Approved Project Trips													
Albright Way Office		7		1	1	1			11	4			25
Bentley Silicon Valley Auto Dealer													0
Los Gatos High School						1		5		1	2		9
550 Hubbell Way													0
375 Knowles Drive					2								2
North 40 Specific Plan		8		10	5				17				40
55 Los Gatos-Saratoga Road								1					1
Placer Oaks Road					1								1
Highlands of Los Gatos													0
Total Approved Trips	0	15	0	11	9	2	0	6	28	5	2	0	78
Background Conditions	52	191	125	402	200	138	76	535	210	140	992	122	3183
Project Trips													
Net Project Trips	0	0	0		12		3	16	14			14	
Existing + Project	52	176	125	391	203	136	79	545	196	135	990	136	3164
Background + Project	52	191	125	402	212	138	79	551	224	140	992	136	3242
Pending Project Trips													
401 Alberto Way Office	3					3		24			2		32
AHOZ Update	2	3			13	3				9		8	38
Dell Avenue Area Plan		30		3	4				24				61
16151 Los Gatos Blvd-Acura Auto Dealer									1				1
15600 and 15650 Los Gatos Blvd		6			5								11
15380 Los Gatos Blvd													0
16212 Los Gatos Blvd													0
15500 Los Gatos Blvd		4			4								8
Samaritan Medical Office Master Plan				1					3				4
Twin Oaks													0
Winchester/Shelburne Office					1				3	2			6
Total Pending Trips	5	43	0	4	27	6	0	24	31	11	2	8	161
Cumulative Baseline Conditions	57	234	125	406	227	144	76	559	241	151	994	130	3344
Cumulative + Proj Conditions	57	234	125	406	239	144	79	575	255	151	994	144	3403

Intersection Number: 3	11	3												
Traffix Node Number:	11													
Intersection Name:	University Avenue			& Los Gatos-Saratoga Road										
Peak Hour:	AM												Date of Analysis: 07/19/16	
Count Date:	03/02/16													
Scenario:	201-225 Los Gatos - Saratoga Road													
									Future Growth % Per Year:					
									Number of Years to Cumulative Horizon:					
	Movements													
	Northbound			Southbound			Eastbound			Westbound				
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*	
INDEX	4	3	2	7	6	5	10	9	8	13	12	11		
PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
User Adjustment	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Existing Conditions	198	180	68	33	147	163	65	620	75	175	1172	228	3124	
Approved Project Trips														
Albright Way Office								1			4		5	
Bentley Silicon Valley Auto Dealer													0	
Los Gatos High School						2		6		1	3		12	
550 Hubbell Way						1				1			2	
375 Knowles Drive								5			2		7	
North 40 Specific Plan													0	
55 Los Gatos-Saratoga Road								1					1	
Placer Oaks Road													0	
Highlands of Los Gatos													0	
Total Approved Trips	0	0	0	0	0	3	0	13	0	2	9	0	27	
Background Conditions	198	180	68	33	147	166	65	633	75	177	1181	228	3151	
Project Trips														
Net Project Trips	0	0	0	5	5	0	0	10	6	0	9	9		
Existing + Project	198	180	68	38	152	163	65	630	81	175	1181	237	3168	
Background + Project	198	180	68	38	152	166	65	643	81	177	1190	237	3195	
Pending Project Trips														
401 Alberto Way Office	3					3		30			2		38	
AHOZ Update								4			17		21	
Dell Avenue Area Plan													0	
16151 Los Gatos Blvd-Acura Auto Dealer													0	
15600 and 15650 Los Gatos Blvd													0	
15380 Los Gatos Blvd													0	
16212 Los Gatos Blvd													0	
15500 Los Gatos Blvd													0	
Samaritan Medical Office Master Plan													0	
Twin Oaks													0	
Winchester/Shelburne Office						1				5	2		8	
Total Pending Trips	3	0	0	0	0	0	4	0	0	34	0	0	5	21	0	67
Cumulative Baseline Conditions	201	180	68	33	147	170	65	667	75	182	1202	228	3218	
Cumulative + Proj Conditions	201	180	68	38	152	170	65	677	81	182	1211	237	3262	

Intersection Number: 1	9	1	
Traffix Node Number:	9		
Intersection Name:	Massol Avenue and Los Gatos-Saratoga Road		
Peak Hour:	PM		Date of Analysis: 07/19/16
Count Date:	03/08/16		
Scenario:	201-225 Los Gatos - Saratoga Road		

Future Growth % Per Year: 0.020
Number of Years to Cumulative Horizon: 2

	Movements												
	Northbound			Southbound			Eastbound			Westbound			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
INDEX	4	3	2	7	6	5	10	9	8	13	12	11	
PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
User Adjustment	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Existing Conditions	134		14	0	0	0	82	1200	0	0	591	168	
Approved Project Trips													
Albright Way Office								1			9		10
Bentley Silicon Valley Auto Dealer													0
Los Gatos High School													0
550 Hubbell Way													0
375 Knowles Drive													0
North 40 Specific Plan								35			40		75
55 Los Gatos-Saratoga Road								6			3		9
Placer Oaks Road													0
Highlands of Los Gatos													0
Total Approved Trips	0	0	0	0	0	0	0	42	0	0	52	0	94
Background Conditions	134	0	14	0	0	0	82	1242	0	0	643	168	2283
Project Trips													
Net Project Trips	0	0	0	0	0	0	0	4	0	0	7	0	11
Existing + Project	134	0	14	0	0	0	82	1204	0	0	598	168	2200
Background + Project	134	0	14	0	0	0	82	1246	0	0	650	168	2294
Pending Project Trips													
401 Alberto Way Office								-1			25		24
AHOZ Update													0
Dell Avenue Area Plan								3			21		24
16151 Los Gatos Blvd-Acura Auto Dealer											1		1
15600 and 15650 Los Gatos Blvd													0
15380 Los Gatos Blvd													0
16212 Los Gatos Blvd													0
15500 Los Gatos Blvd													0
Samaritan Medical Office Master Plan								2			5		7
Twin Oaks													0
Winchester/Shelburne Office											4		4
Total Pending Trips	0	0	0	0	0	0	0	4	0	0	56	0	60
Cumulative Baseline Volumes	134	0	14	0	0	0	82	1246	0	0	699	168	2343
Cumulative + Proj Conditions	134	0	14	0	0	0	82	1250	0	0	706	168	2354

Intersection Number: 2 10 2
Traffix Node Number: 10
Intersection Name: Santa Cruz Avenue & Los Gatos-Saratoga Road
Peak Hour: PM
Date of Analysis: 07/19/16
Count Date: 03/02/16
Scenario: 201-225 Los Gatos - Saratoga Road

Future Growth % Per Year: 0.020
Number of Years to Cumulative Horizon: 2

	Movements												
	Northbound			Southbound			Eastbound			Westbound			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
INDEX	4	3	2	7	6	5	10	9	8	13	12	11	
PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
User Adjustment	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Existing Conditions	141	183	125	159	280	192	193	918	306	133	383	199	3212
Approved Project Trips													
Albright Way Office		1		9	6	4			1	1			22
Bentley Silicon Valley Auto Dealer													0
Los Gatos High School		1			1								2
550 Hubbell Way													0
375 Knowles Drive		2			1								3
North 40 Specific Plan		14		40	16				35				105
55 Los Gatos-Saratoga Road								6			3		9
Placer Oaks Road		1			1								2
Highlands of Los Gatos													0
Total Approved Trips	0	19	0	49	25	4	0	6	36	1	3	0	143
Background Conditions	141	202	125	208	305	196	193	924	342	134	386	199	3355
Project Trips													
Net Project Trips	0	6	5	0	7	0	14	19	0	3	2	1	57
Existing + Project	141	189	130	159	287	192	207	937	306	136	385	200	3269
Background + Project	141	208	130	208	312	196	207	943	342	137	388	200	3412
Pending Project Trips													
401 Alberto Way Office								-1		2	21	2	24
AHOZ Update	9	14			8	11				6		5	53
Dell Avenue Area Plan		4		21	26				3				54
16151 Los Gatos Blvd-Acura Auto Dealer				1									1
15600 and 15650 Los Gatos Blvd		11			11								22
15380 Los Gatos Blvd													0
16212 Los Gatos Blvd													0
15500 Los Gatos Blvd		7			9								16
201-225 Los Gatos-Saratoga Road													0
Samaritan Medical Office Master Plan				5					2				7
Twin Oaks													0
Winchester/Shelburne Office				4		3							7
Total Pending Trips	9	36	0	31	54	14	0	-1	5	8	21	7	184
Cumulative Baseline Volumes	150	238	125	239	359	210	193	923	347	142	407	206	3539
Cumulative + Proj Conditions	150	244	130	239	366	210	207	942	347	145	409	207	3596

Intersection Number: 3	11	3											
Traffix Node Number:	11												
Intersection Name:	University Avenue & Los Gatos-Saratoga Road												
Peak Hour:	PM												Date of Analysis: 07/19/16
Count Date:	03/02/16												
Scenario:	201-225 Los Gatos - Saratoga Road												
									Future Growth % Per Year:			0.020	
									Number of Years to Cumulative Horizon:			2	
	Movements												
	Northbound			Southbound			Eastbound			Westbound			
Scenario:	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	*Total*
INDEX	4	3	2	7	6	5	10	9	8	13	12	11	
PHF	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
User Adjustment	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Existing Conditions	305	126	68	33	160	253	96	1119	63	133	598	245	3199
Approved Project Trips													
Albright Way Office								4			1		5
Bentley Silicon Valley Auto Dealer						1							1
Los Gatos High School		1			1								2
550 Hubbell Way						1				2			3
375 Knowles Drive								2			7		9
North 40 Specific Plan													0
55 Los Gatos-Saratoga Road								6			3		9
Placer Oaks Road													0
Highlands of Los Gatos													0
Total Approved Trips	0	1	0	0	1	2	0	12	0	2	11	0	29
Background Conditions	305	127	68	33	161	255	96	1131	63	135	609	245	3228
Project Trips													
Net Project Trips	0	0	5	3	3	0	5	7	7	0	-1	-1	28
Existing + Project	305	126	73	36	163	253	101	1126	70	133	597	244	3227
Background + Project	305	127	73	36	164	255	101	1138	70	135	608	244	3256
Pending Project Trips													
401 Alberto Way Office								-1		2	25	2	28
AHOZ Update								19			11		30
Dell Avenue Area Plan													0
16151 Los Gatos Blvd-Acura Auto Dealer													0
15600 and 15650 Los Gatos Blvd													0
15380 Los Gatos Blvd													0
16212 Los Gatos Blvd													0
15500 Los Gatos Blvd													0
Samaritan Medical Office Master Plan													0
Twin Oaks													0
Winchester/Shelburne Office						7		3					10
Total Pending Trips	0	0	0	0	0	0	7	0	0	21	0	0	2	36	2	68
Cumulative Baseline Volumes	305	127	68	33	161	262	96	1152	63	137	645	247	3296
Cumulative + Proj Conditions	305	127	73	36	164	262	101	1159	70	137	644	246	3324

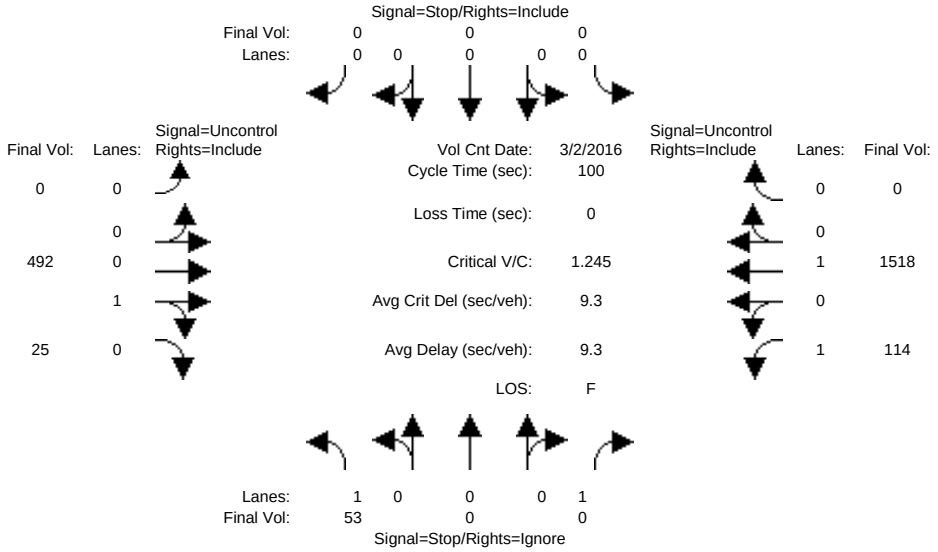
Appendix D

Intersection Level of Service Calculations

201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing AM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 2 Mar 2016 << 7:15 - 8:15
Base Vol:      53    0   203     0    0     0     0  492    25   114 1518     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   53    0   203     0    0     0     0  492    25   114 1518     0
Added Vol:      0    0     0     0    0     0     0    0     0     0    0     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   53    0   203     0    0     0     0  492    25   114 1518     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    53    0     0     0    0     0     0  492    25   114 1518     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   53    0     0     0    0     0     0  492    25   114 1518     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2251 xxxx   505  xxxx xxxx xxxxx  xxxx xxxx xxxxx   517 xxxx xxxxx
Potent Cap.:   46 xxxx   571  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1059 xxxx xxxxx
Move Cap.:     43 xxxx   571  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1059 xxxx xxxxx
Volume/Cap:  1.25 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.11 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    5.2 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.4 xxxx xxxxx
Control Del:369.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.8 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     A    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     369.4           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         F                *                *                *
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  492    25   114 1518     0
ApproachDel:     369.4           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=26.3]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=256]
   SUCCEED - Approach volume >= 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2405]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  492    25   114 1518     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2149
Minor Approach Volume:           256
Minor Approach Volume Threshold: 45 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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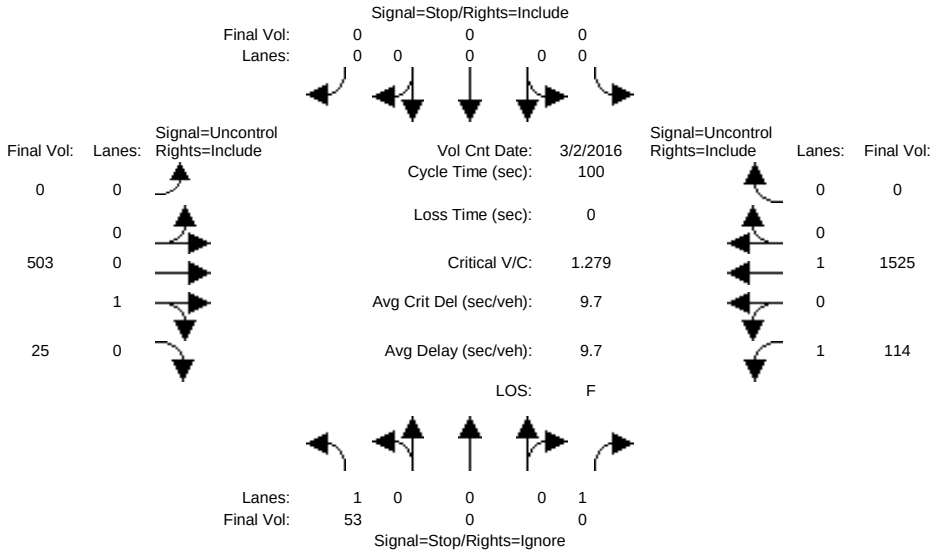
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing + 2016 Proj AM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 2 Mar 2016 << 7:15 - 8:15
Base Vol:      53    0   203     0    0     0     0  492    25   114 1518     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   53    0   203     0    0     0     0  492    25   114 1518     0
Added Vol:      0    0     0     0    0     0     0   11     0     0    7     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   53    0   203     0    0     0     0  503    25   114 1525     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    53    0     0     0    0     0     0  503    25   114 1525     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   53    0     0     0    0     0     0  503    25   114 1525     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2269 xxxx   516  xxxx xxxx xxxxx  xxxx xxxx xxxxx   528 xxxx xxxxx
Potent Cap.:   45 xxxx   563  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1049 xxxx xxxxx
Move Cap.:     41 xxxx   563  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1049 xxxx xxxxx
Volume/Cap:  1.28 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.11 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    5.2 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.4 xxxx xxxxx
Control Del:387.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.8 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     A    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     387.1           xxxxxx            xxxxxx            xxxxxx
ApproachLOS:         F                 *                 *                 *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  503    25   114 1525     0
ApproachDel:     387.1           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=27.5]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=256]
   SUCCEED - Approach volume >= 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2423]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  503    25   114 1525     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2167
Minor Approach Volume:           256
Minor Approach Volume Threshold: 42 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

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a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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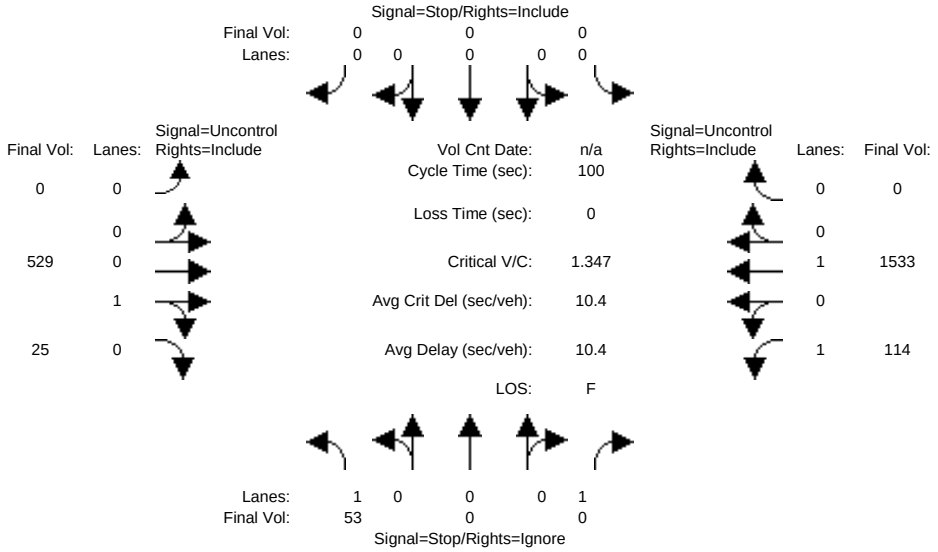
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Background AM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      53    0   203     0    0     0     0  492    25   114 1518     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   53    0   203     0    0     0     0  492    25   114 1518     0
Added Vol:      0    0     0     0    0     0     0    0     0     0    0     0
Bkgnd Vol:      0    0     0     0    0     0     0   37     0     0   15     0
Initial Fut:   53    0   203     0    0     0     0  529    25   114 1533     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    53    0     0     0    0     0     0  529    25   114 1533     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   53    0     0     0    0     0     0  529    25   114 1533     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2303 xxxx   542  xxxx xxxx xxxxx  xxxx xxxx xxxxx   554 xxxx xxxxx
Potent Cap.:   43 xxxx   545  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1026 xxxx xxxxx
Move Cap.:     39 xxxx   545  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1026 xxxx xxxxx
Volume/Cap:  1.35 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.11 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    5.4 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.4 xxxx xxxxx
Control Del:422.8 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   8.9 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     A    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     422.8           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         F                *                *                *
Note: Queue reported is the number of cars per lane.
                    Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  529    25   114 1533     0
ApproachDel:     422.8           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=30.1]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=256]
   SUCCEED - Approach volume >= 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2457]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  529    25   114 1533     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2201
Minor Approach Volume:           256
Minor Approach Volume Threshold: 35 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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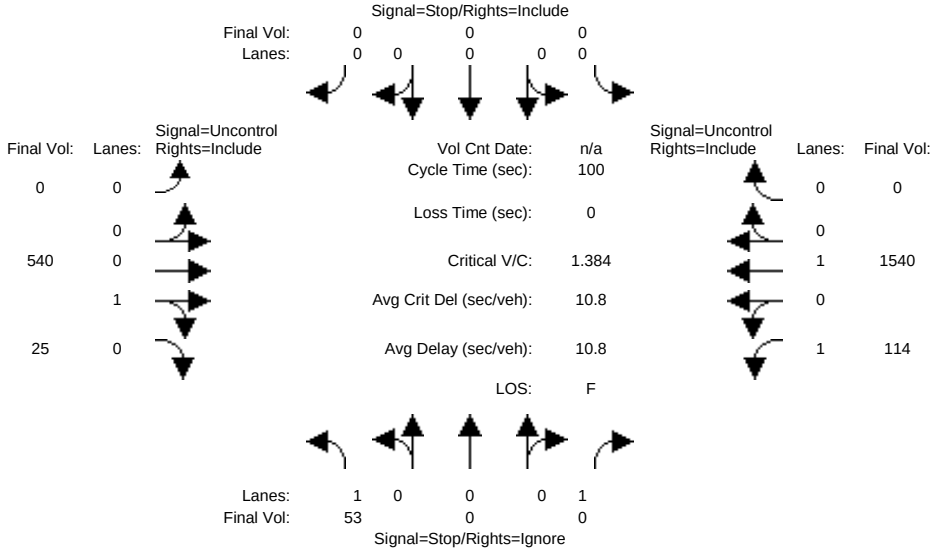
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Bkgnd + Proj ect AM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      53    0   203     0    0     0     0  492    25   114 1518     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   53    0   203     0    0     0     0  492    25   114 1518     0
Added Vol:      0    0     0     0    0     0     0   11     0     0    7     0
Bkgnd Vol:      0    0     0     0    0     0     0   37     0     0   15     0
Initial Fut:   53    0   203     0    0     0     0  540    25   114 1540     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    53    0     0     0    0     0     0  540    25   114 1540     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   53    0     0     0    0     0     0  540    25   114 1540     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2321 xxxx   553  xxxx xxxx xxxxx  xxxx xxxx xxxxx   565 xxxx xxxxx
Potent Cap.:   42 xxxx   537  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1017 xxxx xxxxx
Move Cap.:     38 xxxx   537  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1017 xxxx xxxxx
Volume/Cap:  1.38 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.11 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    5.5 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.4 xxxx xxxxx
Control Del:442.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   9.0 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     A    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     442.5           xxxxxx            xxxxxx            xxxxxx
ApproachLOS:         F                 *                 *                 *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  540    25   114 1540     0
ApproachDel:     442.5           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=31.5]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=256]
   SUCCEED - Approach volume >= 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2475]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  540    25   114 1540     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2219
Minor Approach Volume:           256
Minor Approach Volume Threshold: 31 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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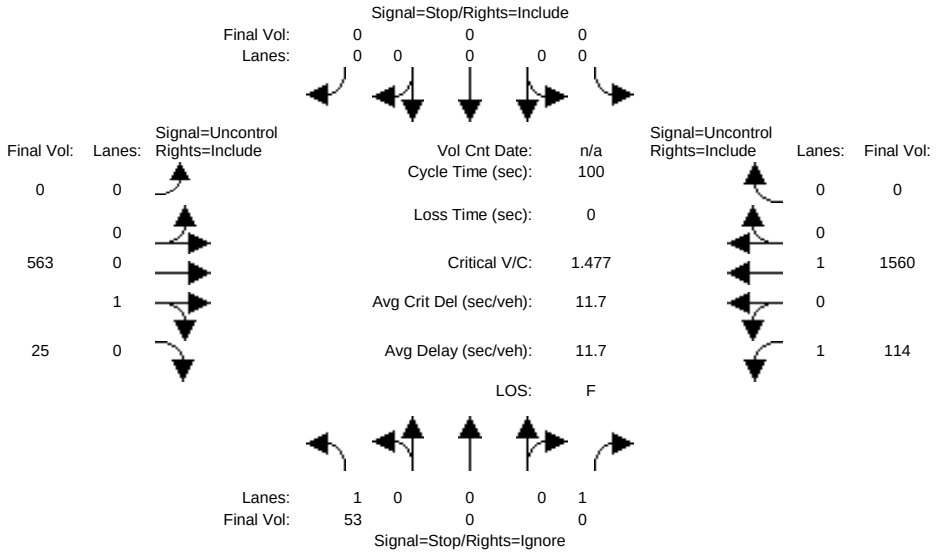
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Cumulative AM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      53    0   203     0    0     0     0  492    25   114 1518     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   53    0   203     0    0     0     0  492    25   114 1518     0
Added Vol:      0    0     0     0    0     0     0    0     0     0    0     0
Cumul Vol:      0    0     0     0    0     0     0   71     0     0   42     0
Initial Fut:   53    0   203     0    0     0     0  563    25   114 1560     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    53    0     0     0    0     0     0  563    25   114 1560     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   53    0     0     0    0     0     0  563    25   114 1560     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2364 xxxx   576  xxxx xxxx xxxxx  xxxx xxxx xxxxx   588 xxxx xxxxx
Potent Cap.:   39 xxxx   521  xxxx xxxx xxxxx  xxxx xxxx xxxxx   997 xxxx xxxxx
Move Cap.:     36 xxxx   521  xxxx xxxx xxxxx  xxxx xxxx xxxxx   997 xxxx xxxxx
Volume/Cap:  1.48 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.11 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    5.7 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.4 xxxx xxxxx
Control Del:492.2 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   9.1 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     A    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     492.2           xxxxxx            xxxxxx            xxxxxx
ApproachLOS:         F                 *                 *                 *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  563    25   114 1560     0
ApproachDel:     492.2           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=35.0]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=256]
   SUCCEED - Approach volume >= 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2518]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  563    25   114 1560     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2262
Minor Approach Volume:           256
Minor Approach Volume Threshold: 23 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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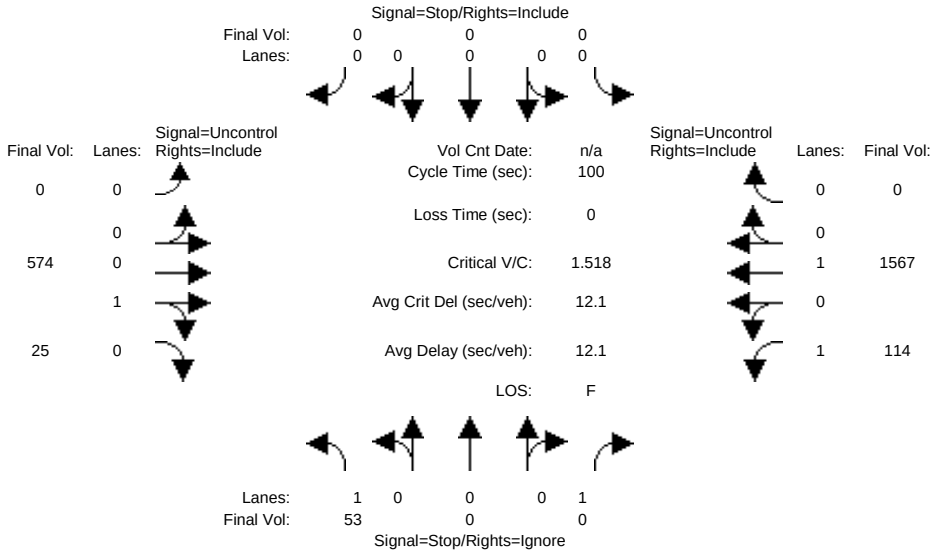
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Cum + Project AM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      53    0   203     0    0     0     0  492    25   114 1518     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   53    0   203     0    0     0     0  492    25   114 1518     0
Added Vol:      0    0     0     0    0     0     0   11     0     0    7     0
Cumul Vol:      0    0     0     0    0     0     0   71     0     0   42     0
Initial Fut:   53    0   203     0    0     0     0  574    25   114 1567     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    53    0     0     0    0     0     0  574    25   114 1567     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   53    0     0     0    0     0     0  574    25   114 1567     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2382 xxxx   587  xxxx xxxx xxxxx  xxxx xxxx xxxxx   599 xxxx xxxxx
Potent Cap.:   38 xxxx   514  xxxx xxxx xxxxx  xxxx xxxx xxxxx   988 xxxx xxxxx
Move Cap.:     35 xxxx   514  xxxx xxxx xxxxx  xxxx xxxx xxxxx   988 xxxx xxxxx
Volume/Cap:  1.52 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.12 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    5.7 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   0.4 xxxx xxxxx
Control Del:514.4 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx   9.1 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     A    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     514.4           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         F                *                *                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  574    25   114 1567     0
ApproachDel:     514.4           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=36.6]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=256]
   SUCCEED - Approach volume >= 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2536]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   53    0   203     0    0     0     0  574    25   114 1567     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2280
Minor Approach Volume:           256
Minor Approach Volume Threshold: 20 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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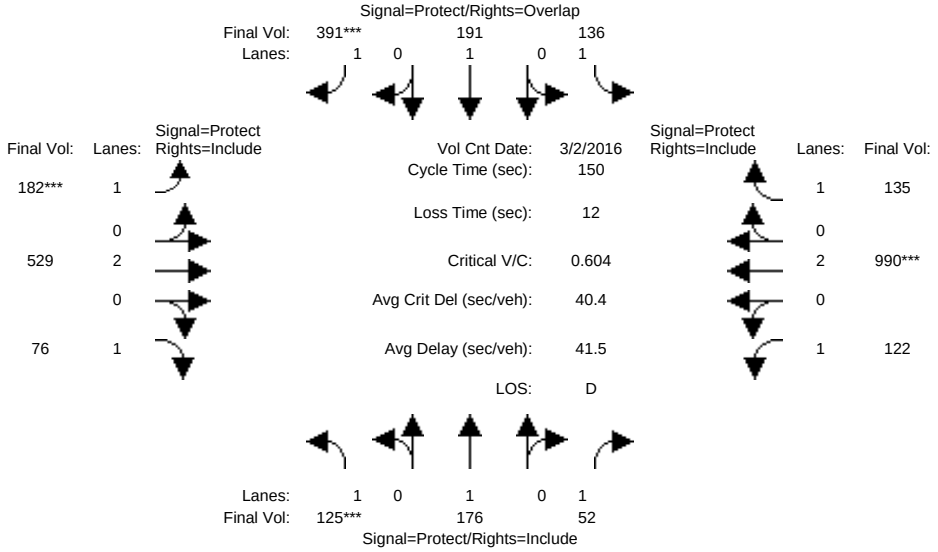
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing AM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 2 Mar 2016 << 7:30 - 8:30												
Base Vol:	125	176	52	136	191	391	182	529	76	122	990	135
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	176	52	136	191	391	182	529	76	122	990	135
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	125	176	52	136	191	391	182	529	76	122	990	135
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	176	52	136	191	391	182	529	76	122	990	135
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	176	52	136	191	391	182	529	76	122	990	135
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	176	52	136	191	391	182	529	76	122	990	135
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.09	0.03	0.08	0.10	0.22	0.10	0.14	0.04	0.07	0.26	0.08
Crit Moves:	****					****	****				****	
Green Time:	17.7	25.8	25.8	21.6	29.7	55.5	25.8	60.4	60.4	30.2	64.7	64.7
Volume/Cap:	0.60	0.54	0.17	0.54	0.51	0.60	0.60	0.35	0.11	0.35	0.60	0.18
Delay/Veh:	67.8	58.5	53.3	61.9	54.8	39.9	60.8	31.3	28.1	52.0	33.4	26.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	67.8	58.5	53.3	61.9	54.8	39.9	60.8	31.3	28.1	52.0	33.4	26.4
LOS by Move:	E	E	D	E	D	D	E	C	C	D	C	C
HCM2k95thQ:	13	15	4	13	15	28	17	15	5	10	29	8

Note: Queue reported is the number of cars per lane.

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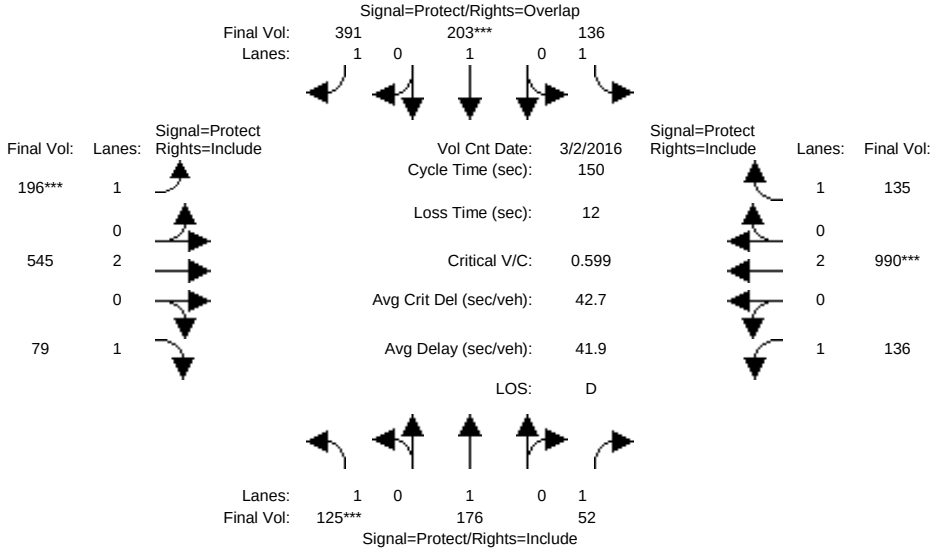
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing + 2016 Proj AM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 2 Mar 2016 << 7:30 - 8:30												
Base Vol:	125	176	52	136	191	391	182	529	76	122	990	135
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	176	52	136	191	391	182	529	76	122	990	135
Added Vol:	0	0	0	0	12	0	14	16	3	14	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	125	176	52	136	203	391	196	545	79	136	990	135
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	176	52	136	203	391	196	545	79	136	990	135
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	176	52	136	203	391	196	545	79	136	990	135
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	176	52	136	203	391	196	545	79	136	990	135
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.09	0.03	0.08	0.11	0.22	0.11	0.14	0.05	0.08	0.26	0.08
Crit Moves:	****				****		****				****	
Green Time:	17.9	24.3	24.3	20.4	26.8	54.8	28.1	60.5	60.5	32.8	65.3	65.3
Volume/Cap:	0.60	0.57	0.18	0.57	0.60	0.61	0.60	0.36	0.11	0.36	0.60	0.18
Delay/Veh:	67.4	60.6	54.6	64.1	59.6	40.6	58.9	31.3	28.0	50.2	33.0	26.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	67.4	60.6	54.6	64.1	59.6	40.6	58.9	31.3	28.0	50.2	33.0	26.0
LOS by Move:	E	E	D	E	E	D	E	C	C	D	C	C
HCM2k95thQ:	13	15	5	13	17	28	18	16	5	11	29	8

Note: Queue reported is the number of cars per lane.

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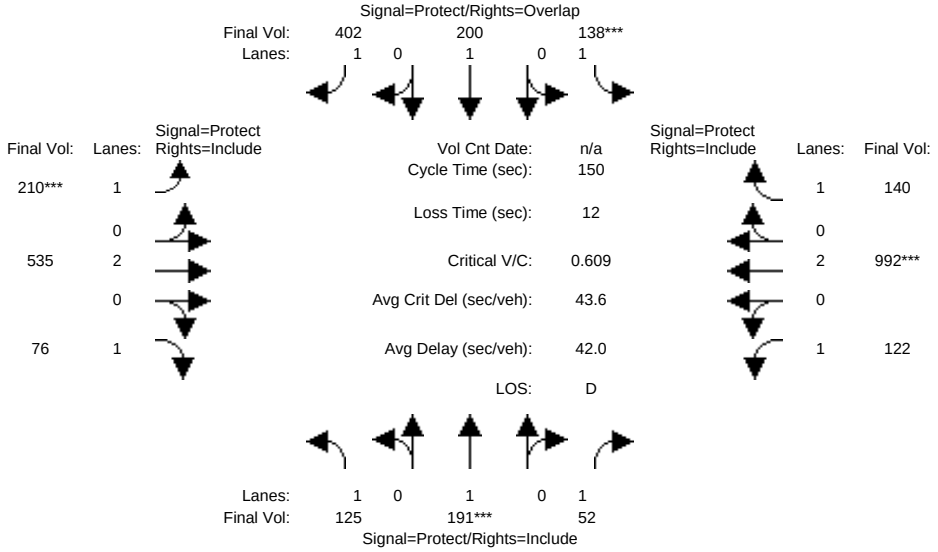
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background AM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	125	176	52	136	191	391	182	529	76	122	990	135
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	176	52	136	191	391	182	529	76	122	990	135
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Bkgnd Vol:	0	15	0	2	9	11	28	6	0	0	2	5
Initial Fut:	125	191	52	138	200	402	210	535	76	122	992	140
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	191	52	138	200	402	210	535	76	122	992	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	191	52	138	200	402	210	535	76	122	992	140
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	191	52	138	200	402	210	535	76	122	992	140
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.10	0.03	0.08	0.11	0.23	0.12	0.14	0.04	0.07	0.26	0.08
Crit Moves:		****		****			****				****	
Green Time:	17.4	24.8	24.8	19.4	26.8	56.3	29.5	62.8	62.8	31.1	64.3	64.3
Volume/Cap:	0.62	0.61	0.18	0.61	0.59	0.61	0.61	0.34	0.10	0.34	0.61	0.19
Delay/Veh:	68.6	61.6	54.2	66.5	59.3	39.7	58.1	29.7	26.6	51.2	33.8	26.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	68.6	61.6	54.2	66.5	59.3	39.7	58.1	29.7	26.6	51.2	33.8	26.7
LOS by Move:	E	E	D	E	E	D	E	C	C	D	C	C
HCM2k95thQ:	13	16	5	14	17	28	19	15	4	10	30	8

Note: Queue reported is the number of cars per lane.

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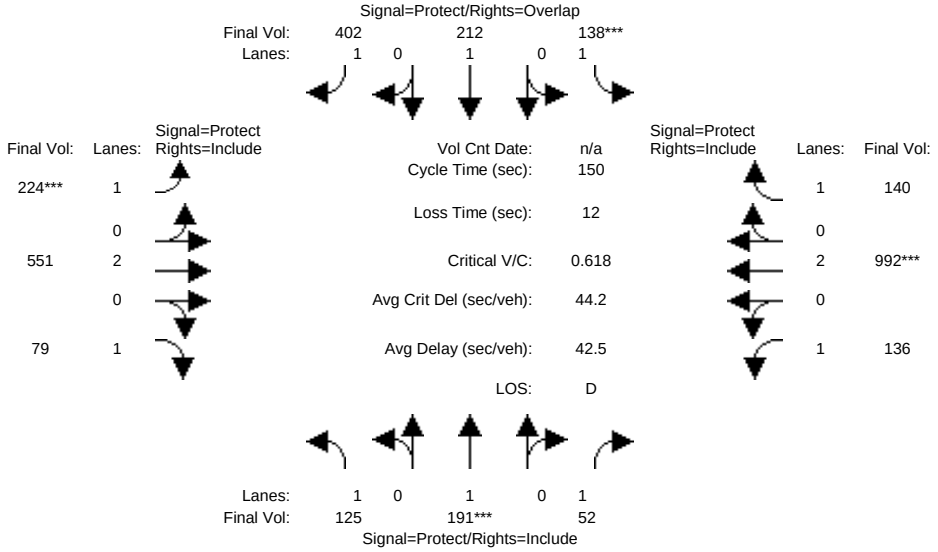
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Bkgnd + Proj ect AM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	125	176	52	136	191	391	182	529	76	122	990	135
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	176	52	136	191	391	182	529	76	122	990	135
Added Vol:	0	0	0	0	12	0	14	16	3	14	0	0
Bkgnd Vol:	0	15	0	2	9	11	28	6	0	0	2	5
Initial Fut:	125	191	52	138	212	402	224	551	79	136	992	140
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	191	52	138	212	402	224	551	79	136	992	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	191	52	138	212	402	224	551	79	136	992	140
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	191	52	138	212	402	224	551	79	136	992	140
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.10	0.03	0.08	0.11	0.23	0.13	0.15	0.05	0.08	0.26	0.08
Crit Moves:		****		****			****				****	
Green Time:	17.0	24.4	24.4	19.1	26.6	57.6	31.1	61.5	61.5	33.0	63.4	63.4
Volume/Cap:	0.63	0.62	0.18	0.62	0.63	0.60	0.62	0.35	0.11	0.35	0.62	0.19
Delay/Veh:	69.9	62.2	54.5	67.1	61.0	38.4	57.3	30.7	27.4	50.1	34.6	27.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	69.9	62.2	54.5	67.1	61.0	38.4	57.3	30.7	27.4	50.1	34.6	27.3
LOS by Move:	E	E	D	E	E	D	E	C	C	D	C	C
HCM2k95thQ:	13	17	5	14	18	28	20	16	5	11	30	8

Note: Queue reported is the number of cars per lane.

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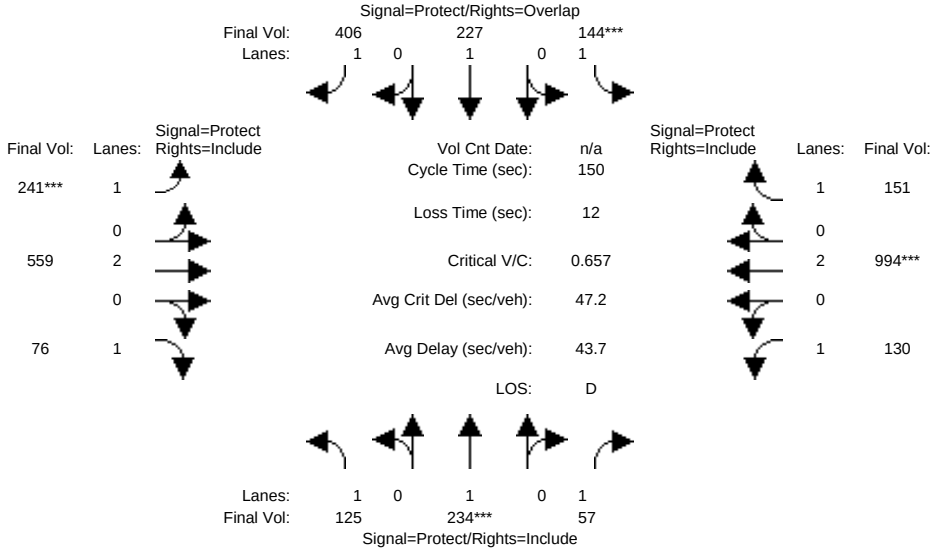
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative AM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	125	176	52	136	191	391	182	529	76	122	990	135
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	176	52	136	191	391	182	529	76	122	990	135
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Cum Volume:	0	58	5	8	36	15	59	30	0	8	4	16
Initial Fut:	125	234	57	144	227	406	241	559	76	130	994	151
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	234	57	144	227	406	241	559	76	130	994	151
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	234	57	144	227	406	241	559	76	130	994	151
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	234	57	144	227	406	241	559	76	130	994	151
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.12	0.03	0.08	0.12	0.23	0.14	0.15	0.04	0.07	0.26	0.09
Crit Moves:		****		****			****				****	
Green Time:	17.5	28.1	28.1	18.8	29.3	60.8	31.4	60.5	60.5	30.6	59.7	59.7
Volume/Cap:	0.61	0.66	0.17	0.66	0.61	0.57	0.66	0.36	0.11	0.36	0.66	0.22
Delay/Veh:	68.3	60.9	51.4	69.7	58.1	35.7	58.7	31.4	28.0	52.0	37.9	29.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	68.3	60.9	51.4	69.7	58.1	35.7	58.7	31.4	28.0	52.0	37.9	29.9
LOS by Move:	E	E	D	E	E	D	E	C	C	D	D	C
HCM2k95thQ:	13	20	5	15	19	27	21	16	5	10	31	9

Note: Queue reported is the number of cars per lane.

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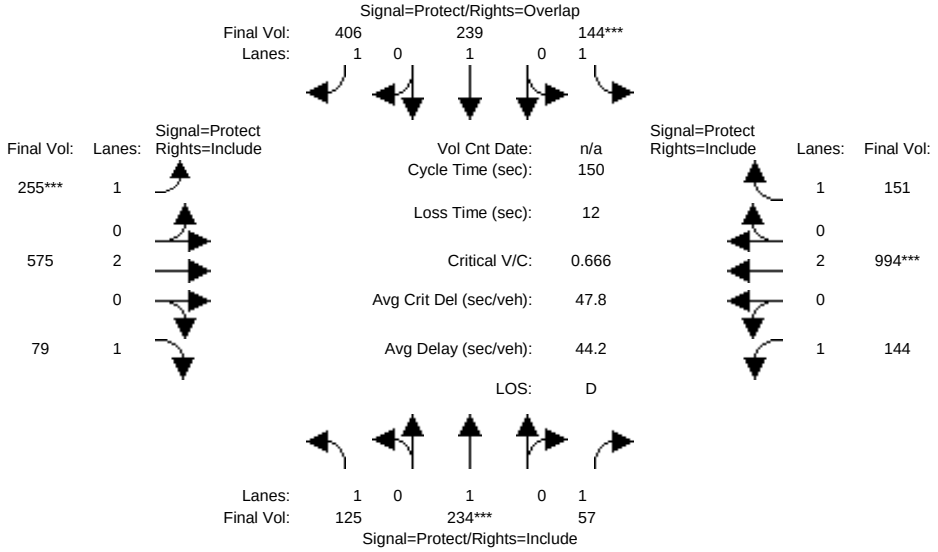
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cum + Project AM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	125	176	52	136	191	391	182	529	76	122	990	135
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	176	52	136	191	391	182	529	76	122	990	135
Added Vol:	0	0	0	0	12	0	14	16	3	14	0	0
Cum Volume:	0	58	5	8	36	15	59	30	0	8	4	16
Initial Fut:	125	234	57	144	239	406	255	575	79	144	994	151
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	234	57	144	239	406	255	575	79	144	994	151
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	234	57	144	239	406	255	575	79	144	994	151
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	234	57	144	239	406	255	575	79	144	994	151
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.12	0.03	0.08	0.13	0.23	0.15	0.15	0.05	0.08	0.26	0.09
Crit Moves:		****		****			****				****	
Green Time:	16.8	27.7	27.7	18.5	29.5	62.3	32.8	59.4	59.4	32.3	58.9	58.9
Volume/Cap:	0.64	0.67	0.18	0.67	0.64	0.56	0.67	0.38	0.11	0.38	0.67	0.22
Delay/Veh:	70.7	61.6	51.8	70.4	59.1	34.3	58.0	32.4	28.7	51.0	38.6	30.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	70.7	61.6	51.8	70.4	59.1	34.3	58.0	32.4	28.7	51.0	38.6	30.4
LOS by Move:	E	E	D	E	E	C	E	C	C	D	D	C
HCM2k95thQ:	13	20	5	15	20	27	22	17	5	11	31	9

Note: Queue reported is the number of cars per lane.

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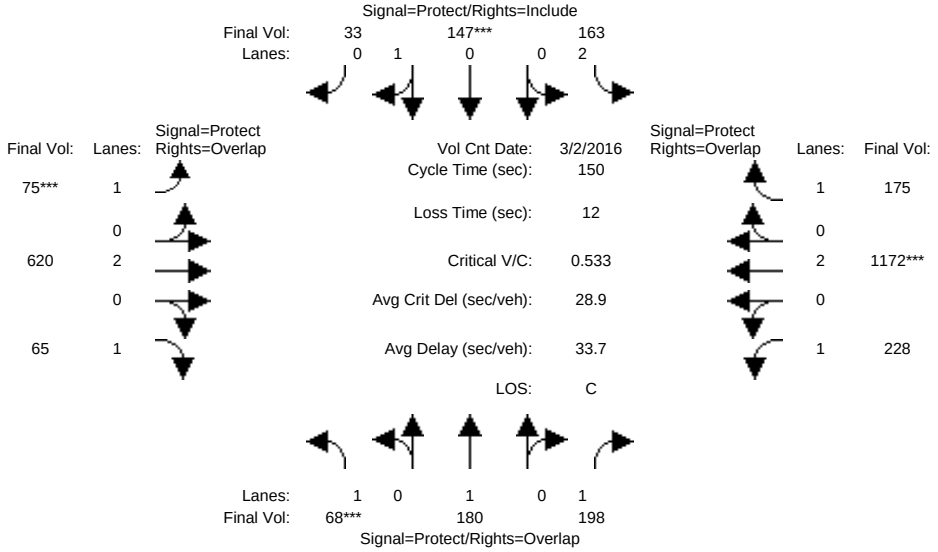
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing AM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 2 Mar 2016 << 7:30 - 8:30 AM												
Base Vol:	68	180	198	163	147	33	75	620	65	228	1172	175
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	180	198	163	147	33	75	620	65	228	1172	175
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	68	180	198	163	147	33	75	620	65	228	1172	175
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	180	198	163	147	33	75	620	65	228	1172	175
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	180	198	163	147	33	75	620	65	228	1172	175
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	180	198	163	147	33	75	620	65	228	1172	175
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.82	0.18	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1470	330	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.11	0.05	0.10	0.10	0.04	0.16	0.04	0.13	0.31	0.10
Crit Moves:	****				****		****				****	
Green Time:	10.9	25.3	69.2	13.8	28.2	28.2	12.1	55.0	65.9	43.9	86.8	100.6
Volume/Cap:	0.53	0.56	0.25	0.56	0.53	0.53	0.53	0.45	0.08	0.45	0.53	0.15
Delay/Veh:	71.4	59.5	24.7	67.7	56.6	56.6	70.2	36.2	24.5	43.8	19.5	9.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	71.4	59.5	24.7	67.7	56.6	56.6	70.2	36.2	24.5	43.8	19.5	9.1
LOS by Move:	E	E	C	E	E	E	E	D	C	D	B	A
HCM2k95thQ:	8	15	11	10	15	15	7	19	4	17	28	6

Note: Queue reported is the number of cars per lane.

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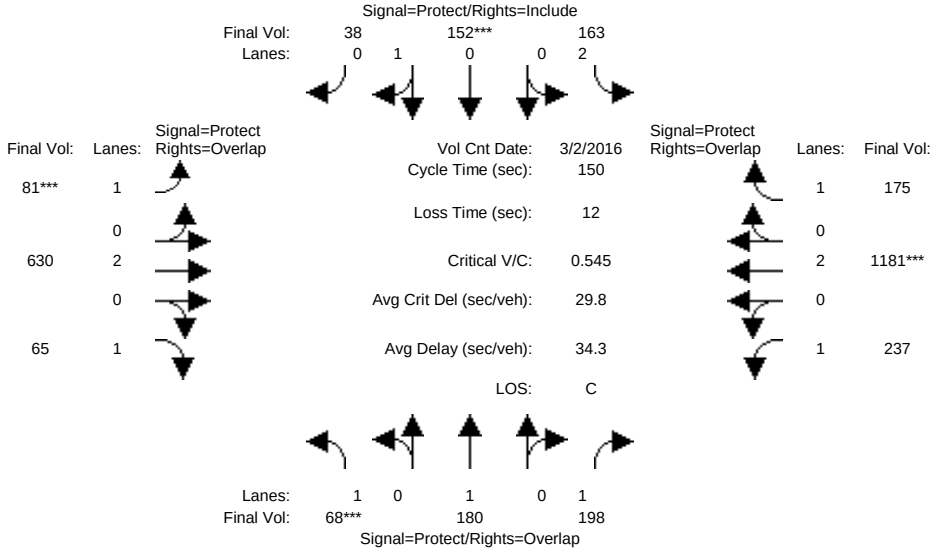
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing + 2016 Proj AM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 2 Mar 2016 << 7:30 - 8:30 AM												
Base Vol:	68	180	198	163	147	33	75	620	65	228	1172	175
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	180	198	163	147	33	75	620	65	228	1172	175
Added Vol:	0	0	0	0	5	5	6	10	0	9	9	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	68	180	198	163	152	38	81	630	65	237	1181	175
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	180	198	163	152	38	81	630	65	237	1181	175
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	180	198	163	152	38	81	630	65	237	1181	175
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	180	198	163	152	38	81	630	65	237	1181	175
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.80	0.20	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1440	360	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.11	0.05	0.11	0.11	0.05	0.17	0.04	0.14	0.31	0.10
Crit Moves:	****				****		****				****	
Green Time:	10.7	25.7	69.9	14.0	29.0	29.0	12.7	54.1	64.8	44.2	85.5	99.6
Volume/Cap:	0.55	0.55	0.24	0.55	0.55	0.55	0.55	0.46	0.09	0.46	0.55	0.15
Delay/Veh:	72.2	59.0	24.3	67.3	56.3	56.3	70.0	37.0	25.2	43.8	20.4	9.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.2	59.0	24.3	67.3	56.3	56.3	70.0	37.0	25.2	43.8	20.4	9.5
LOS by Move:	E	E	C	E	E	E	E	D	C	D	C	A
HCM2k95thQ:	8	15	11	10	16	16	8	20	4	17	29	6

Note: Queue reported is the number of cars per lane.

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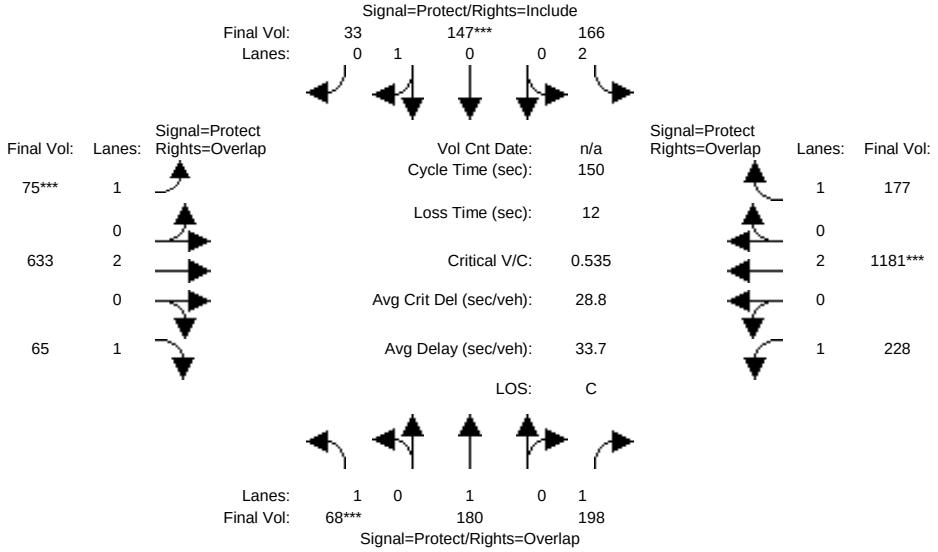
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background AM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	68	180	198	163	147	33	75	620	65	228	1172	175
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	180	198	163	147	33	75	620	65	228	1172	175
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Bkgnd Vol:	0	0	0	3	0	0	0	13	0	0	9	2
Initial Fut:	68	180	198	166	147	33	75	633	65	228	1181	177
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	180	198	166	147	33	75	633	65	228	1181	177
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	180	198	166	147	33	75	633	65	228	1181	177
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	180	198	166	147	33	75	633	65	228	1181	177
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.82	0.18	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1470	330	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.11	0.05	0.10	0.10	0.04	0.17	0.04	0.13	0.31	0.10
Crit Moves:	****				****		****				****	
Green Time:	10.9	25.0	68.5	13.9	28.0	28.0	12.0	55.6	66.5	43.5	87.1	101.0
Volume/Cap:	0.54	0.57	0.25	0.57	0.54	0.54	0.54	0.45	0.08	0.45	0.54	0.15
Delay/Veh:	71.5	60.0	25.1	67.8	56.8	56.8	70.3	35.9	24.2	44.1	19.4	9.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	71.5	60.0	25.1	67.8	56.8	56.8	70.3	35.9	24.2	44.1	19.4	9.0
LOS by Move:	E	E	C	E	E	E	E	D	C	D	B	A
HCM2k95thQ:	8	15	11	10	16	16	7	19	4	17	28	6

Note: Queue reported is the number of cars per lane.

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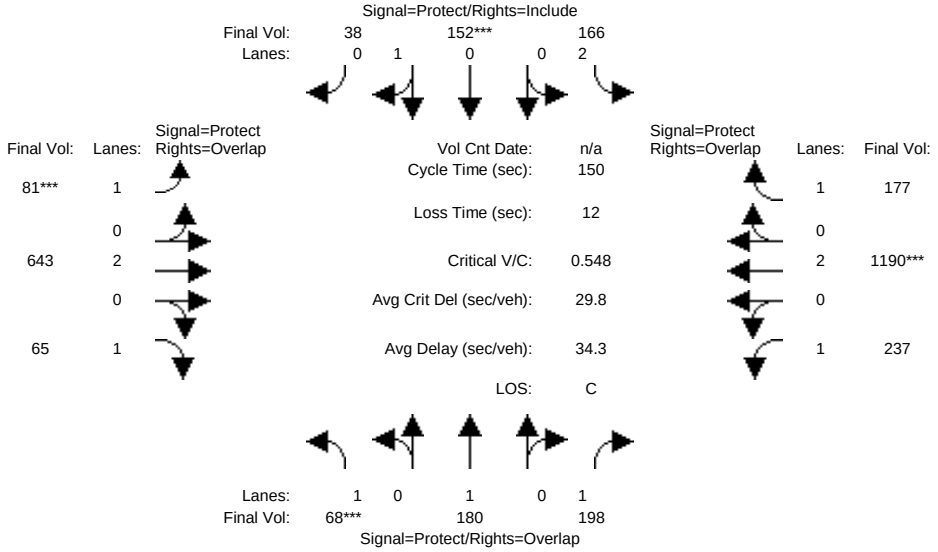
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Bkgnd + Proj ect AM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	68	180	198	163	147	33	75	620	65	228	1172	175
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	180	198	163	147	33	75	620	65	228	1172	175
Added Vol:	0	0	0	0	5	5	6	10	0	9	9	0
Bkgnd Vol:	0	0	0	3	0	0	0	13	0	0	9	2
Initial Fut:	68	180	198	166	152	38	81	643	65	237	1190	177
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	180	198	166	152	38	81	643	65	237	1190	177
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	180	198	166	152	38	81	643	65	237	1190	177
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	180	198	166	152	38	81	643	65	237	1190	177
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.80	0.20	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1440	360	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.11	0.05	0.11	0.11	0.05	0.17	0.04	0.14	0.31	0.10
Crit Moves:	****				****		****				****	
Green Time:	10.6	25.4	69.2	14.1	28.9	28.9	12.7	54.7	65.3	43.8	85.8	99.9
Volume/Cap:	0.55	0.56	0.25	0.56	0.55	0.55	0.55	0.46	0.09	0.46	0.55	0.15
Delay/Veh:	72.4	59.4	24.7	67.3	56.5	56.5	70.2	36.7	24.9	44.2	20.3	9.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.4	59.4	24.7	67.3	56.5	56.5	70.2	36.7	24.9	44.2	20.3	9.4
LOS by Move:	E	E	C	E	E	E	E	D	C	D	C	A
HCM2k95thQ:	8	15	11	10	16	16	8	20	4	17	29	6

Note: Queue reported is the number of cars per lane.

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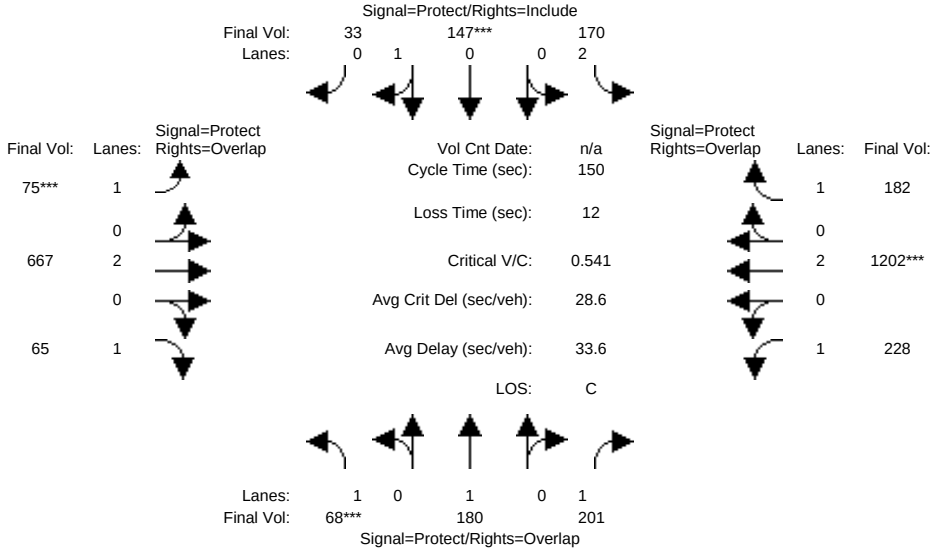
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative AM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	68	180	198	163	147	33	75	620	65	228	1172	175
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	180	198	163	147	33	75	620	65	228	1172	175
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Cumul Vol:	0	0	3	7	0	0	0	47	0	0	30	7
Initial Fut:	68	180	201	170	147	33	75	667	65	228	1202	182
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	180	201	170	147	33	75	667	65	228	1202	182
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	180	201	170	147	33	75	667	65	228	1202	182
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	180	201	170	147	33	75	667	65	228	1202	182
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.82	0.18	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1470	330	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.11	0.05	0.10	0.10	0.04	0.18	0.04	0.13	0.32	0.10
Crit Moves:	****				****		****				****	
Green Time:	10.8	24.5	66.9	14.0	27.7	27.7	11.9	57.1	67.9	42.4	87.6	101.6
Volume/Cap:	0.54	0.58	0.26	0.58	0.54	0.54	0.54	0.46	0.08	0.46	0.54	0.15
Delay/Veh:	72.0	60.7	26.2	68.1	57.2	57.2	70.7	35.1	23.4	45.1	19.2	8.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.0	60.7	26.2	68.1	57.2	57.2	70.7	35.1	23.4	45.1	19.2	8.8
LOS by Move:	E	E	C	E	E	E	E	D	C	D	B	A
HCM2k95thQ:	8	15	12	10	16	16	7	20	4	17	29	6

Note: Queue reported is the number of cars per lane.

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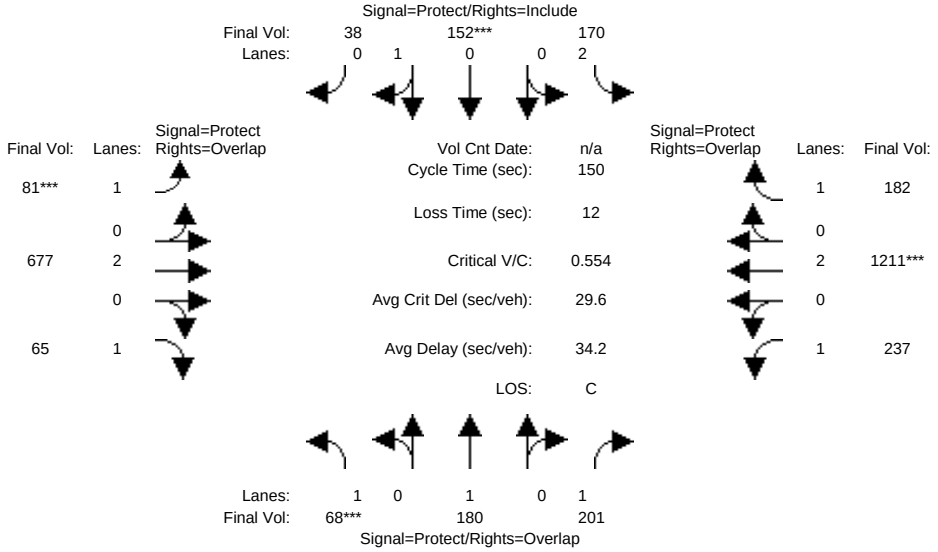
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cum + Project AM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	68	180	198	163	147	33	75	620	65	228	1172	175
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	180	198	163	147	33	75	620	65	228	1172	175
Added Vol:	0	0	0	0	5	5	6	10	0	9	9	0
Cumul Vol:	0	0	3	7	0	0	0	47	0	0	30	7
Initial Fut:	68	180	201	170	152	38	81	677	65	237	1211	182
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	180	201	170	152	38	81	677	65	237	1211	182
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	180	201	170	152	38	81	677	65	237	1211	182
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	180	201	170	152	38	81	677	65	237	1211	182
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.80	0.20	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1440	360	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.11	0.05	0.11	0.11	0.05	0.18	0.04	0.14	0.32	0.10
Crit Moves:	****				****		****				****	
Green Time:	10.5	24.9	67.6	14.2	28.6	28.6	12.5	56.2	66.7	42.7	86.3	100.5
Volume/Cap:	0.55	0.57	0.25	0.57	0.55	0.55	0.55	0.48	0.08	0.48	0.55	0.16
Delay/Veh:	72.9	60.1	25.7	67.6	56.9	56.9	70.6	36.0	24.1	45.1	20.1	9.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.9	60.1	25.7	67.6	56.9	56.9	70.6	36.0	24.1	45.1	20.1	9.2
LOS by Move:	E	E	C	E	E	E	E	D	C	D	C	A
HCM2k95thQ:	8	15	12	10	16	16	8	21	4	18	29	6

Note: Queue reported is the number of cars per lane.

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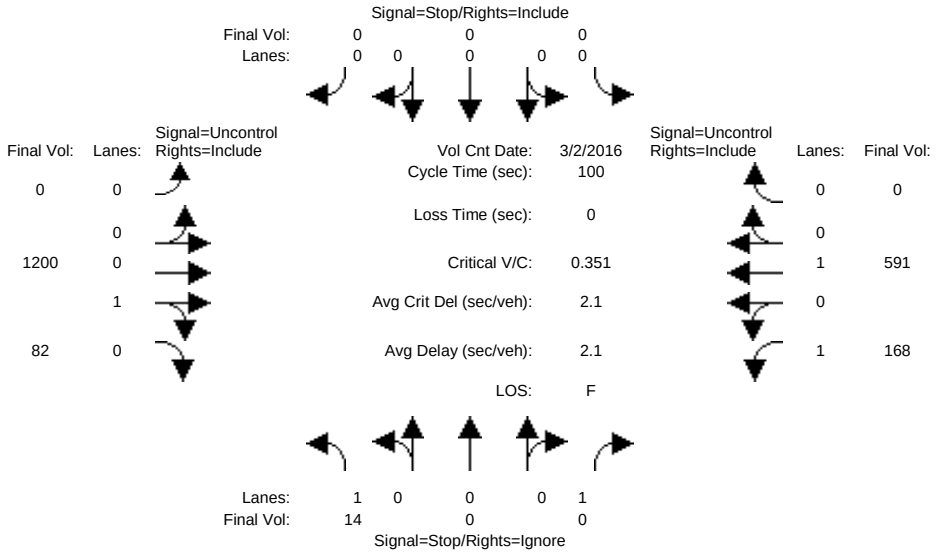
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing PM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 2 Mar 2016 << 5:00 - 6:00
Base Vol:      14    0   134     0    0     0     0 1200    82   168  591     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   14    0   134     0    0     0     0 1200    82   168  591     0
Added Vol:      0    0     0     0    0     0     0    0     0     0    0     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   14    0   134     0    0     0     0 1200    82   168  591     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    14    0     0     0    0     0     0 1200    82   168  591     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   14    0     0     0    0     0     0 1200    82   168  591     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2168 xxxx  1241  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1282 xxxx xxxxx
Potent Cap.:   52 xxxx   215  xxxx xxxx xxxxx  xxxx xxxx xxxxx   548 xxxx xxxxx
Move Cap.:     40 xxxx   215  xxxx xxxx xxxxx  xxxx xxxx xxxxx   548 xxxx xxxxx
Volume/Cap:  0.35 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.31 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    1.2 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   1.3 xxxx xxxxx
Control Del:137.9 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx  14.4 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     B    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     137.9           xxxxxx            xxxxxx            xxxxxx
ApproachLOS:         F                 *                 *                 *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1200    82   168  591     0
ApproachDel:     137.9           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=5.7]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=148]
   FAIL - Approach volume less than 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2189]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1200    82   168  591     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2041
Minor Approach Volume:           148
Minor Approach Volume Threshold: 67 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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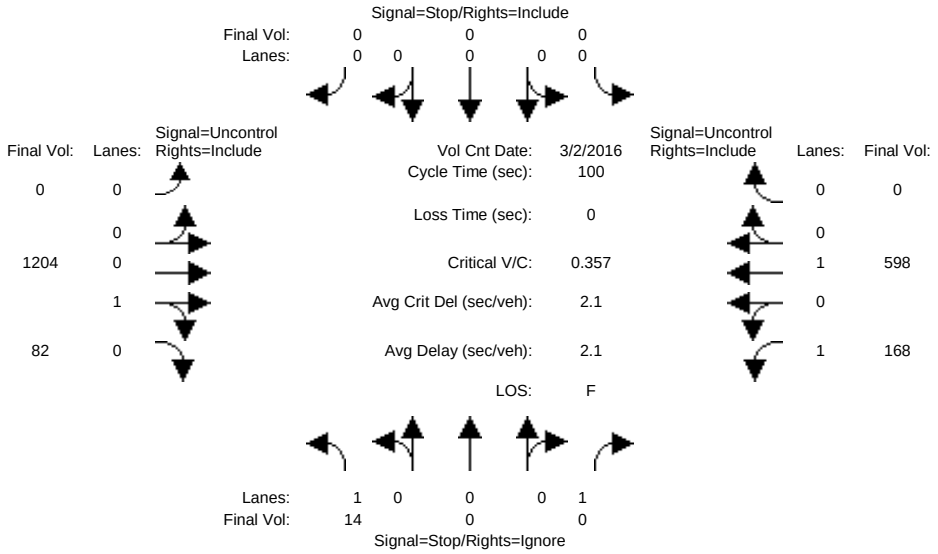
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Existing + 2016 Proj PM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module: >> Count Date: 2 Mar 2016 << 5:00 - 6:00
Base Vol:      14    0   134     0    0     0     0 1200    82   168  591     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   14    0   134     0    0     0     0 1200    82   168  591     0
Added Vol:      0    0     0     0    0     0     0    4     0     0    7     0
PasserByVol:    0    0     0     0    0     0     0    0     0     0    0     0
Initial Fut:   14    0   134     0    0     0     0 1204    82   168  598     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    14    0     0     0    0     0     0 1204    82   168  598     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   14    0     0     0    0     0     0 1204    82   168  598     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2179 xxxx  1245  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1286 xxxx xxxxx
Potent Cap.:   51 xxxx   214  xxxx xxxx xxxxx  xxxx xxxx xxxxx   546 xxxx xxxxx
Move Cap.:     39 xxxx   214  xxxx xxxx xxxxx  xxxx xxxx xxxxx   546 xxxx xxxxx
Volume/Cap:  0.36 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.31 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    1.2 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   1.3 xxxx xxxxx
Control Del:141.1 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx  14.5 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     B    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     141.1           xxxxxx            xxxxxx            xxxxxx
ApproachLOS:         F                 *                 *                 *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1204    82   168  598     0
ApproachDel:     141.1           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=5.8]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=148]
   FAIL - Approach volume less than 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2200]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1204    82   168  598     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2052
Minor Approach Volume:           148
Minor Approach Volume Threshold: 65 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

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a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
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```


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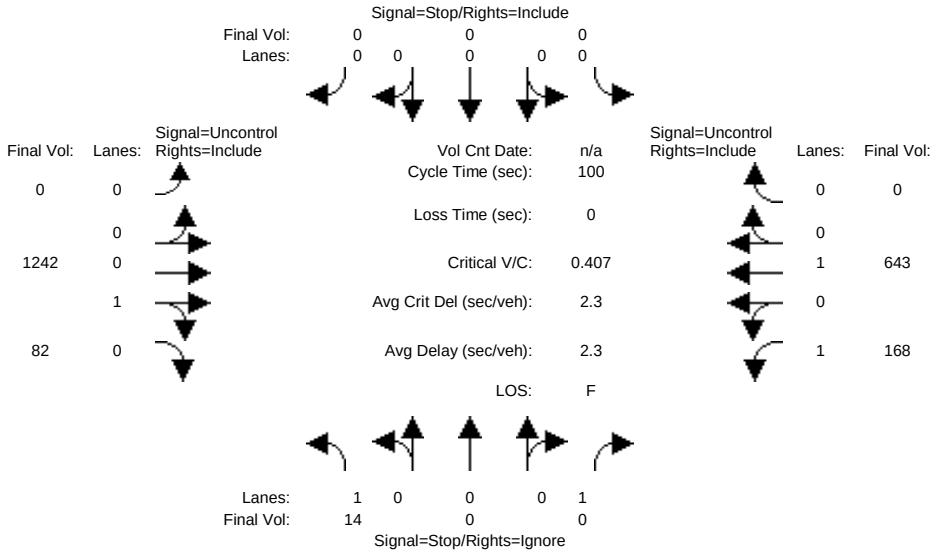
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Background PM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      14    0   134     0    0     0     0 1200    82   168  591     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   14    0   134     0    0     0     0 1200    82   168  591     0
Added Vol:      0    0     0     0    0     0     0    0     0     0    0     0
Bkgnd Vol:      0    0     0     0    0     0     0   42     0     0   52     0
Initial Fut:   14    0   134     0    0     0     0 1242    82   168  643     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    14    0     0     0    0     0     0 1242    82   168  643     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   14    0     0     0    0     0     0 1242    82   168  643     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2262 xxxx  1283  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1324 xxxx xxxxx
Potent Cap.:   46 xxxx   204  xxxx xxxx xxxxx  xxxx xxxx xxxxx   528 xxxx xxxxx
Move Cap.:     34 xxxx   204  xxxx xxxx xxxxx  xxxx xxxx xxxxx   528 xxxx xxxxx
Volume/Cap:  0.41 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.32 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    1.3 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   1.4 xxxx xxxxx
Control Del:168.7 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx  15.0 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     B    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     168.7           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         F                *                *                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1242    82   168  643     0
ApproachDel:     168.7           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=6.9]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=148]
   FAIL - Approach volume less than 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2283]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1242    82   168  643     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2135
Minor Approach Volume:           148
Minor Approach Volume Threshold: 48 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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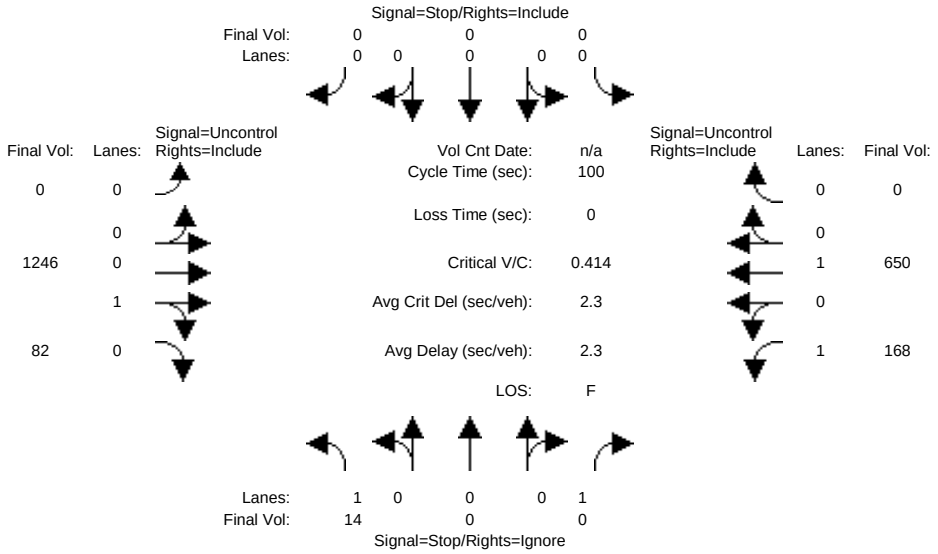
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Bkgnd + Project PM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      14    0   134     0    0     0     0 1200    82   168  591     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   14    0   134     0    0     0     0 1200    82   168  591     0
Added Vol:      0    0     0     0    0     0     0    4     0     0    7     0
Bkgnd Vol:      0    0     0     0    0     0     0   42     0     0   52     0
Initial Fut:   14    0   134     0    0     0     0 1246    82   168  650     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    14    0     0     0    0     0     0 1246    82   168  650     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   14    0     0     0    0     0     0 1246    82   168  650     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2273 xxxx  1287  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1328 xxxx xxxxx
Potent Cap.:   45 xxxx   203  xxxx xxxx xxxxx  xxxx xxxx xxxxx   527 xxxx xxxxx
Move Cap.:     34 xxxx   203  xxxx xxxx xxxxx  xxxx xxxx xxxxx   527 xxxx xxxxx
Volume/Cap:  0.41 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.32 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    1.4 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   1.4 xxxx xxxxx
Control Del:172.7 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx  15.0 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     C    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     172.7           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         F                *                *                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1246    82   168  650     0
ApproachDel:     172.7           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=7.1]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=148]
   FAIL - Approach volume less than 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2294]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1246    82   168  650     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2146
Minor Approach Volume:           148
Minor Approach Volume Threshold: 46 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

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jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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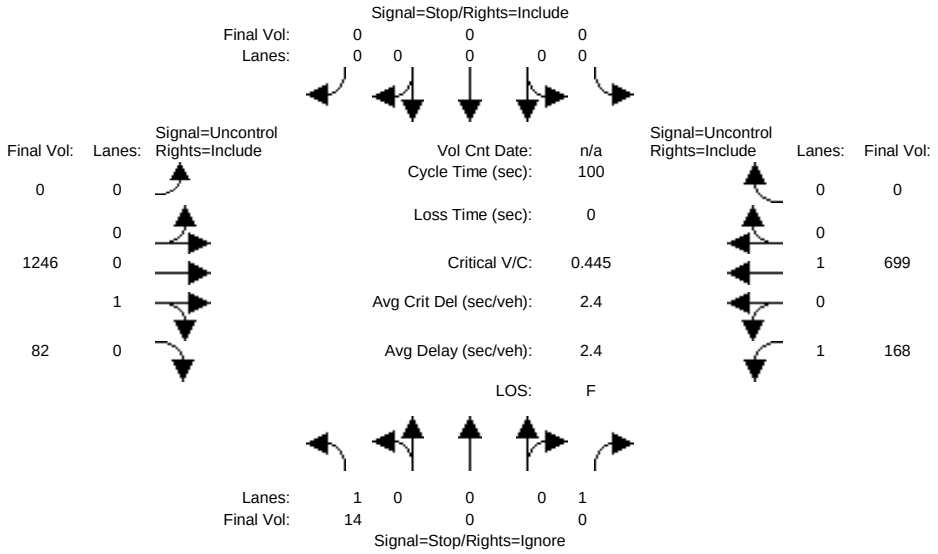
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Cumulative PM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      14    0   134     0    0     0     0 1200    82   168  591     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   14    0   134     0    0     0     0 1200    82   168  591     0
Added Vol:      0    0     0     0    0     0     0    0     0     0    0     0
Cumul Vol:      0    0     0     0    0     0     0   46     0     0  108     0
Initial Fut:   14    0   134     0    0     0     0 1246    82   168  699     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    14    0     0     0    0     0     0 1246    82   168  699     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   14    0     0     0    0     0     0 1246    82   168  699     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2322 xxxx  1287  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1328 xxxx xxxxx
Potent Cap.:   42 xxxx   203  xxxx xxxx xxxxx  xxxx xxxx xxxxx   527 xxxx xxxxx
Move Cap.:     31 xxxx   203  xxxx xxxx xxxxx  xxxx xxxx xxxxx   527 xxxx xxxxx
Volume/Cap:  0.45 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.32 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    1.4 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   1.4 xxxx xxxxx
Control Del:190.8 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx  15.0 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     C    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     190.8           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         F                *                *                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1246    82   168  699     0
ApproachDel:     190.8           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=7.8]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=148]
   FAIL - Approach volume less than 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2343]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1246    82   168  699     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2195
Minor Approach Volume:           148
Minor Approach Volume Threshold: 36 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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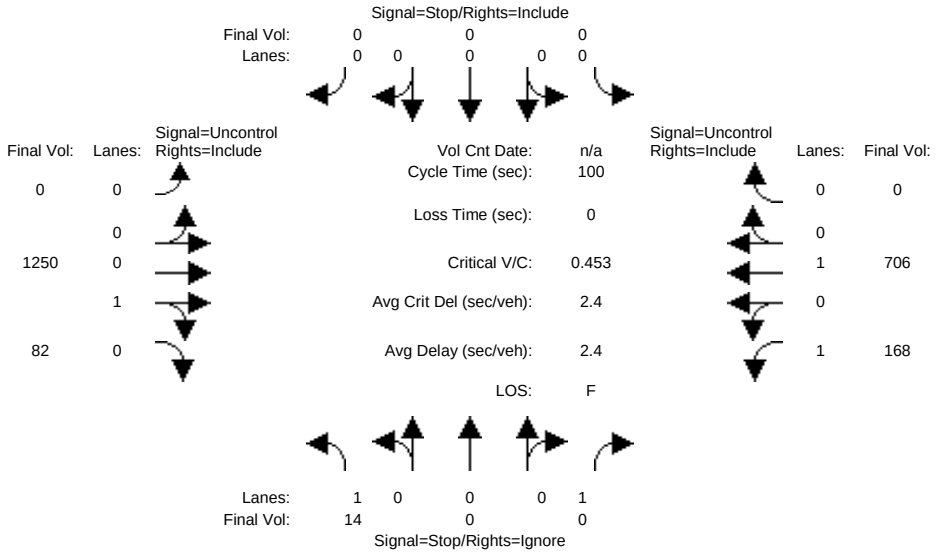
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Unsignalized (Future Volume Alternative)
Cum + Project PM

Intersection #101: Los Gatos-Saratoga Rd and Massol Ave




```
Street Name:            Massol Ave                Los Gatos-Saratoga Rd (SR 9)
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Volume Module:
Base Vol:      14    0   134     0    0     0     0 1200    82   168  591     0
Growth Adj:  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
Initial Bse:   14    0   134     0    0     0     0 1200    82   168  591     0
Added Vol:      0    0     0     0    0     0     0    4     0     0    7     0
Cumul Vol:      0    0     0     0    0     0     0   46     0     0  108     0
Initial Fut:   14    0   134     0    0     0     0 1250    82   168  706     0
User Adj:    1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Adj:     1.00 1.00  0.00  1.00 1.00  1.00  1.00 1.00  1.00  1.00 1.00  1.00
PHF Volume:    14    0     0     0    0     0     0 1250    82   168  706     0
Reduct Vol:     0    0     0     0    0     0     0    0     0     0    0     0
FinalVolume:   14    0     0     0    0     0     0 1250    82   168  706     0
------------|---------------||---------------||---------------||---------------|
Critical Gap Module:
Critical Gp:  6.4 xxxx   6.2 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   4.1 xxxx xxxxx
FollowUpTim:  3.5 xxxx   3.3 xxxxx xxxx xxxxx xxxxx xxxx xxxxx   2.2 xxxx xxxxx
------------|---------------||---------------||---------------||---------------|
Capacity Module:
Cnflict Vol: 2333 xxxx  1291  xxxx xxxx xxxxx  xxxx xxxx xxxxx  1332 xxxx xxxxx
Potent Cap.:   41 xxxx   201  xxxx xxxx xxxxx  xxxx xxxx xxxxx   525 xxxx xxxxx
Move Cap.:     31 xxxx   201  xxxx xxxx xxxxx  xxxx xxxx xxxxx   525 xxxx xxxxx
Volume/Cap:  0.45 xxxx  0.00  xxxx xxxx  xxxx  xxxx xxxx  xxxx  0.32 xxxx  xxxx
------------|---------------||---------------||---------------||---------------|
Level Of Service Module:
2Way95thQ:    1.5 xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx   1.4 xxxx xxxxx
Control Del:195.5 xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx  15.1 xxxx xxxxx
LOS by Move:    F    *     *     *    *     *     *    *     *     C    *     *
Movement:     LT - LTR - RT    LT - LTR - RT    LT - LTR - RT    LT - LTR - RT
Shared Cap.: xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx  xxxx xxxx xxxxx
SharedQueue:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shrd ConDel:xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx xxxxx xxxx xxxxx
Shared LOS:     *    *     *     *    *     *     *    *     *     *    *     *
ApproachDel:     195.5           xxxxxx           xxxxxx           xxxxxx
ApproachLOS:         F                *                *                *
Note: Queue reported is the number of cars per lane.
                     Peak Hour Delay Signal Warrant Report
*******************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
*******************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
```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```
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1250    82   168  706     0
ApproachDel:     195.5           xxxxxx           xxxxxx           xxxxxx
------------|---------------||---------------||---------------||---------------|
Approach[northbound][lanes=2][control=Stop Sign]
Signal Warrant Rule #1: [vehicle-hours=8.0]
   SUCCEED - Vehicle-hours >= 5 for two or more lane approach.
Signal Warrant Rule #2: [approach volume=148]
   FAIL - Approach volume less than 150 for two or more lane approach.
Signal Warrant Rule #3: [approach count=3][total volume=2354]
   SUCCEED - Total volume greater than or equal to 650 for intersection
             with less than four approaches.
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
                Peak Hour Volume Signal Warrant Report [Urban]
********************************************************************************
Intersection #101 Los Gatos-Saratoga Rd and Massol Ave
********************************************************************************
Future Volume Alternative: Peak Hour Warrant NOT Met
------------|---------------||---------------||---------------||---------------|
Approach:      North Bound      South Bound       East Bound       West Bound
Movement:     L  -  T  -  R    L  -  T  -  R    L  -  T  -  R    L  -  T  -  R
------------|---------------||---------------||---------------||---------------|
Control:        Stop Sign        Stop Sign       Uncontrolled     Uncontrolled
Lanes:        1  0  0  0  1    0  0  0  0  0    0  0  0  1  0    1  0  1  0  0
Initial Vol:   14    0   134     0    0     0     0 1250    82   168  706     0
------------|---------------||---------------||---------------||---------------|
Major Street Volume:             2206
Minor Approach Volume:           148
Minor Approach Volume Threshold: 34 [less than minimum of 150]
--------------------------------------------------------------------------------
SIGNAL WARRANT DISCLAIMER
This peak hour signal warrant analysis should be considered solely as an
"indicator" of the likelihood of an unsignalized intersection warranting
a traffic signal in the future.  Intersections that exceed this warrant
are probably more likely to meet one or more of the other volume based
signal warrant (such as the 4-hour or 8-hour warrants).

The peak hour warrant analysis in this report is not intended to replace
a rigorous and complete traffic signal warrant analysis by the responsible
jurisdiction.  Consideration of the other signal warrants, which is beyond
the scope of this software, may yield different results.
```


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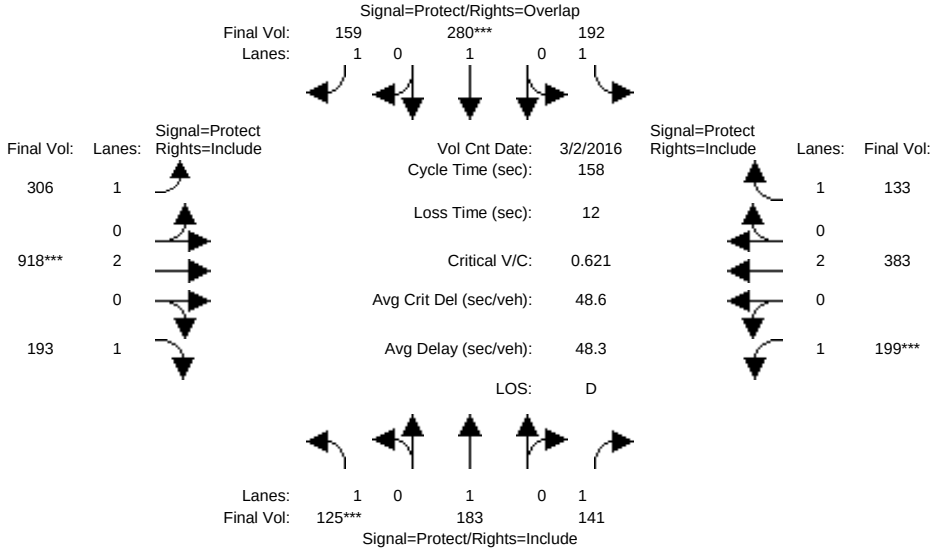
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 2 Mar 2016 << 4:30-5:30PM												
Base Vol:	125	183	141	192	280	159	306	918	193	199	383	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	183	141	192	280	159	306	918	193	199	383	133
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	125	183	141	192	280	159	306	918	193	199	383	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	183	141	192	280	159	306	918	193	199	383	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	183	141	192	280	159	306	918	193	199	383	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	183	141	192	280	159	306	918	193	199	383	133
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.10	0.08	0.11	0.15	0.09	0.17	0.24	0.11	0.11	0.10	0.08
Crit Moves:	****				****			****		****		
Green Time:	18.2	26.0	26.0	29.6	37.5	94.8	57.3	61.4	61.4	28.9	33.0	33.0
Volume/Cap:	0.62	0.59	0.49	0.59	0.62	0.15	0.48	0.62	0.28	0.62	0.48	0.36
Delay/Veh:	72.5	63.8	61.3	61.3	56.6	14.0	39.5	39.7	33.4	63.2	55.4	54.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.5	63.8	61.3	61.3	56.6	14.0	39.5	39.7	33.4	63.2	55.4	54.1
LOS by Move:	E	E	E	E	E	B	D	D	C	E	E	D
HCM2k95thQ:	14	16	13	18	23	7	22	31	13	18	15	11

Note: Queue reported is the number of cars per lane.

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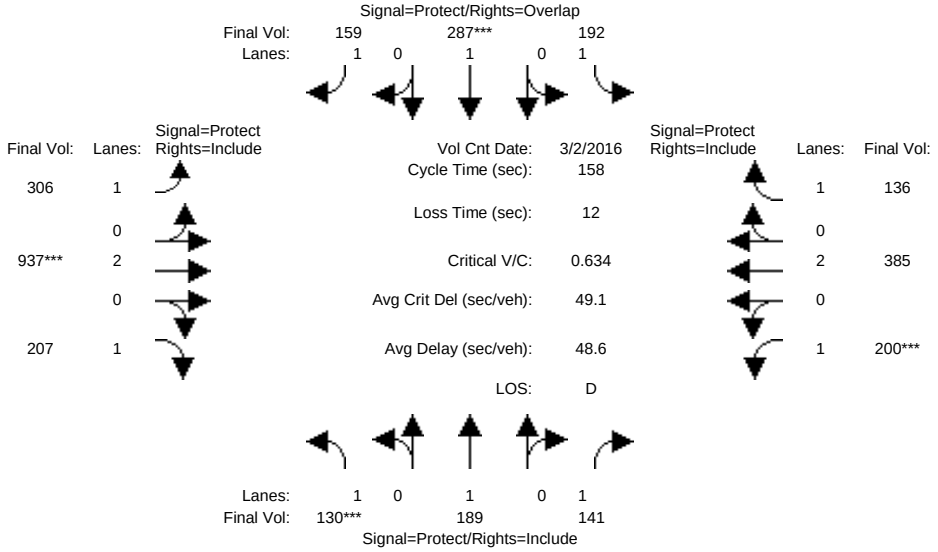
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing + 2016 Proj PM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 2 Mar 2016 << 4:30-5:30PM												
Base Vol:	125	183	141	192	280	159	306	918	193	199	383	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	183	141	192	280	159	306	918	193	199	383	133
Added Vol:	5	6	0	0	7	0	0	19	14	1	2	3
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	130	189	141	192	287	159	306	937	207	200	385	136
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	130	189	141	192	287	159	306	937	207	200	385	136
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	130	189	141	192	287	159	306	937	207	200	385	136
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	130	189	141	192	287	159	306	937	207	200	385	136
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.10	0.08	0.11	0.15	0.09	0.17	0.25	0.12	0.11	0.10	0.08
Crit Moves:	****				****			****		****		
Green Time:	18.5	26.7	26.7	29.4	37.6	94.5	56.9	61.4	61.4	28.5	33.0	33.0
Volume/Cap:	0.63	0.59	0.48	0.59	0.63	0.15	0.49	0.63	0.30	0.63	0.49	0.37
Delay/Veh:	72.9	63.5	60.6	61.6	57.0	14.1	39.8	40.1	33.7	64.2	55.5	54.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.9	63.5	60.6	61.6	57.0	14.1	39.8	40.1	33.7	64.2	55.5	54.3
LOS by Move:	E	E	E	E	E	B	D	D	C	E	E	D
HCM2k95thQ:	14	17	13	18	23	7	22	31	14	18	15	11

Note: Queue reported is the number of cars per lane.

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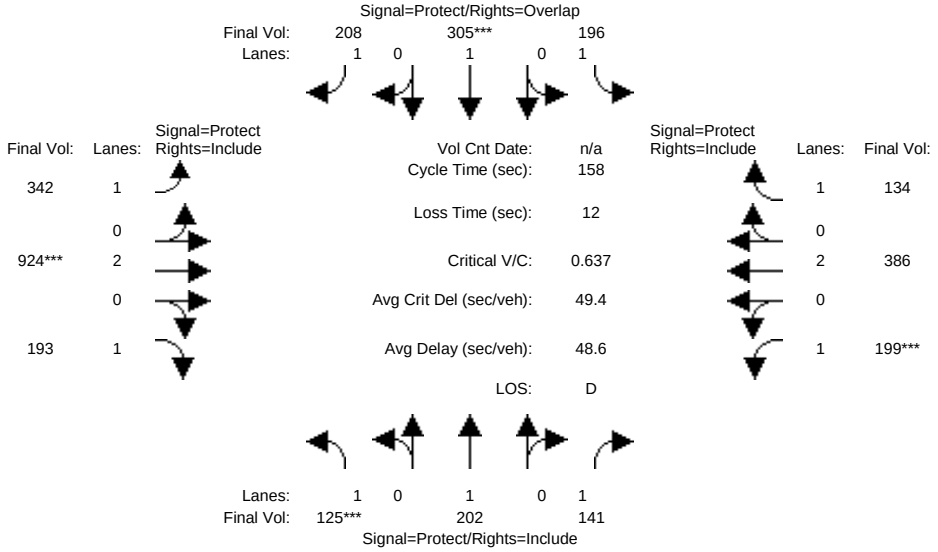
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background PM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	125	183	141	192	280	159	306	918	193	199	383	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	183	141	192	280	159	306	918	193	199	383	133
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Bkgnd Vol:	0	19	0	4	25	49	36	6	0	0	3	1
Initial Fut:	125	202	141	196	305	208	342	924	193	199	386	134
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	202	141	196	305	208	342	924	193	199	386	134
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	202	141	196	305	208	342	924	193	199	386	134
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	202	141	196	305	208	342	924	193	199	386	134
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.11	0.08	0.11	0.16	0.12	0.20	0.24	0.11	0.11	0.10	0.08
Crit Moves:	****				****			****		****		
Green Time:	17.7	28.0	28.0	29.5	39.8	98.0	58.2	60.3	60.3	28.2	30.3	30.3
Volume/Cap:	0.64	0.60	0.45	0.60	0.64	0.19	0.53	0.64	0.29	0.64	0.53	0.40
Delay/Veh:	73.9	62.8	59.2	61.9	55.5	13.0	40.0	40.9	34.2	64.5	58.2	56.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	73.9	62.8	59.2	61.9	55.5	13.0	40.0	40.9	34.2	64.5	58.2	56.7
LOS by Move:	E	E	E	E	E	B	D	D	C	E	E	E
HCM2k95thQ:	14	18	13	18	24	9	25	31	13	18	15	11

Note: Queue reported is the number of cars per lane.

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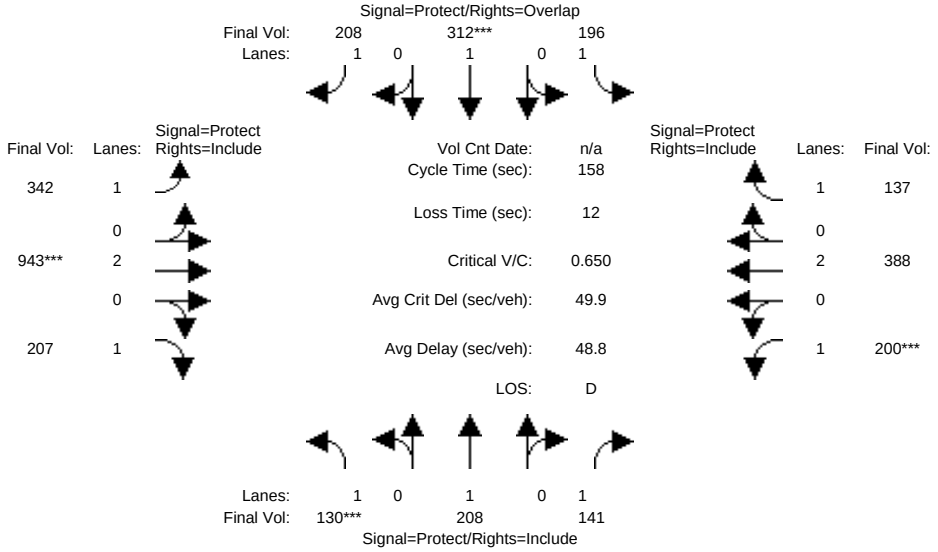
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Bkgnd + Project PM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	125	183	141	192	280	159	306	918	193	199	383	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	183	141	192	280	159	306	918	193	199	383	133
Added Vol:	5	6	0	0	7	0	0	19	14	1	2	3
Bkgnd Vol:	0	19	0	4	25	49	36	6	0	0	3	1
Initial Fut:	130	208	141	196	312	208	342	943	207	200	388	137
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	130	208	141	196	312	208	342	943	207	200	388	137
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	130	208	141	196	312	208	342	943	207	200	388	137
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	130	208	141	196	312	208	342	943	207	200	388	137
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.11	0.08	0.11	0.16	0.12	0.20	0.25	0.12	0.11	0.10	0.08
Crit Moves:	****				****			****		****		
Green Time:	18.0	28.6	28.6	29.3	39.9	97.7	57.8	60.3	60.3	27.8	30.2	30.2
Volume/Cap:	0.65	0.60	0.44	0.60	0.65	0.19	0.53	0.65	0.31	0.65	0.53	0.41
Delay/Veh:	74.3	62.5	58.6	62.2	56.0	13.1	40.3	41.2	34.5	65.5	58.3	56.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	74.3	62.5	58.6	62.2	56.0	13.1	40.3	41.2	34.5	65.5	58.3	56.9
LOS by Move:	E	E	E	E	E	B	D	D	C	E	E	E
HCM2k95thQ:	14	18	13	18	25	9	25	32	14	18	15	12

Note: Queue reported is the number of cars per lane.

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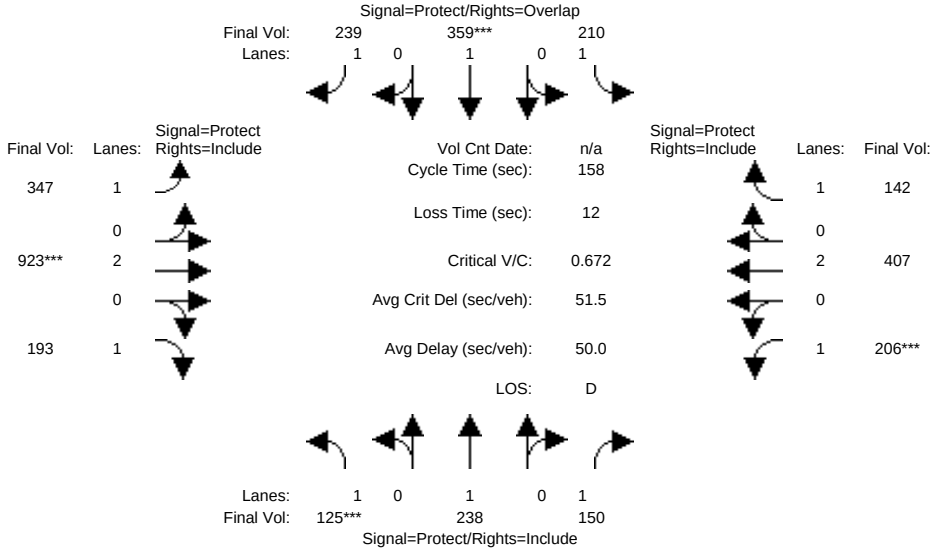
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative PM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	125	183	141	192	280	159	306	918	193	199	383	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	183	141	192	280	159	306	918	193	199	383	133
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Cumul Vol:	0	55	9	18	79	80	41	5	0	7	24	9
Initial Fut:	125	238	150	210	359	239	347	923	193	206	407	142
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	125	238	150	210	359	239	347	923	193	206	407	142
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	238	150	210	359	239	347	923	193	206	407	142
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	125	238	150	210	359	239	347	923	193	206	407	142
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.13	0.09	0.12	0.19	0.14	0.20	0.24	0.11	0.12	0.11	0.08
Crit Moves:	****				****			****		****		
Green Time:	16.8	31.3	31.3	30.0	44.4	99.5	55.0	57.1	57.1	27.7	29.7	29.7
Volume/Cap:	0.67	0.63	0.43	0.63	0.67	0.22	0.57	0.67	0.31	0.67	0.57	0.43
Delay/Veh:	77.2	61.6	56.5	62.9	53.7	12.7	43.1	43.9	36.5	66.7	59.4	57.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	77.2	61.6	56.5	62.9	53.7	12.7	43.1	43.9	36.5	66.7	59.4	57.6
LOS by Move:	E	E	E	E	D	B	D	D	D	E	E	E
HCM2k95thQ:	14	20	13	20	28	10	26	32	13	19	16	12

Note: Queue reported is the number of cars per lane.

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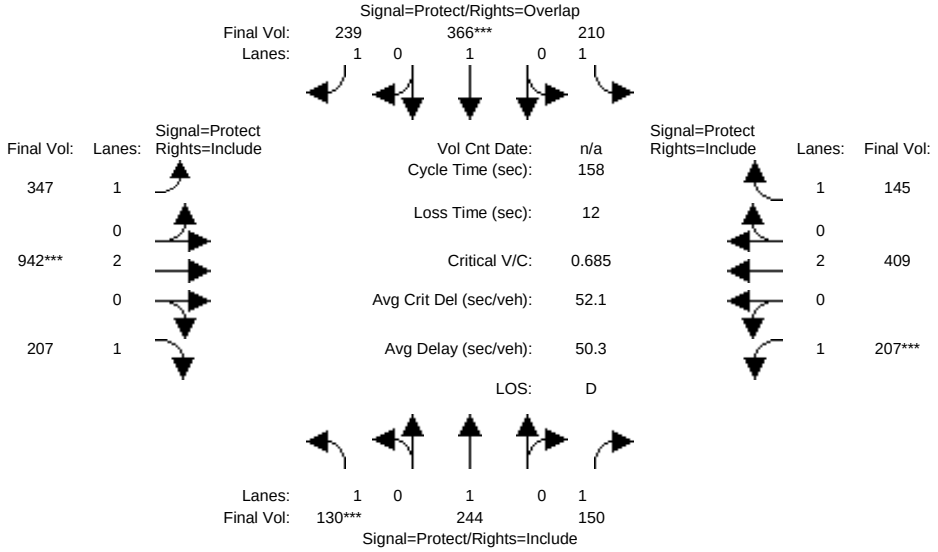
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cum + Project PM

Intersection #102: Los Gatos-Saratoga Rd and N Santa Cruz Ave



Street Name:	N Santa Cruz Ave						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	125	183	141	192	280	159	306	918	193	199	383	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	125	183	141	192	280	159	306	918	193	199	383	133
Added Vol:	5	6	0	0	7	0	0	19	14	1	2	3
Cumul Vol:	0	55	9	18	79	80	41	5	0	7	24	9
Initial Fut:	130	244	150	210	366	239	347	942	207	207	409	145
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	130	244	150	210	366	239	347	942	207	207	409	145
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	130	244	150	210	366	239	347	942	207	207	409	145
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	130	244	150	210	366	239	347	942	207	207	409	145
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	1750	1900	1750	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.07	0.13	0.09	0.12	0.19	0.14	0.20	0.25	0.12	0.12	0.11	0.08
Crit Moves:	****				****			****		****		
Green Time:	17.1	31.8	31.8	29.7	44.4	99.2	54.7	57.2	57.2	27.3	29.7	29.7
Volume/Cap:	0.69	0.64	0.43	0.64	0.69	0.22	0.57	0.69	0.33	0.69	0.57	0.44
Delay/Veh:	77.8	61.4	55.9	63.3	54.3	12.8	43.4	44.2	36.8	67.7	59.5	57.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	77.8	61.4	55.9	63.3	54.3	12.8	43.4	44.2	36.8	67.7	59.5	57.7
LOS by Move:	E	E	E	E	D	B	D	D	D	E	E	E
HCM2k95thQ:	15	21	13	20	28	10	26	33	14	19	16	12

Note: Queue reported is the number of cars per lane.

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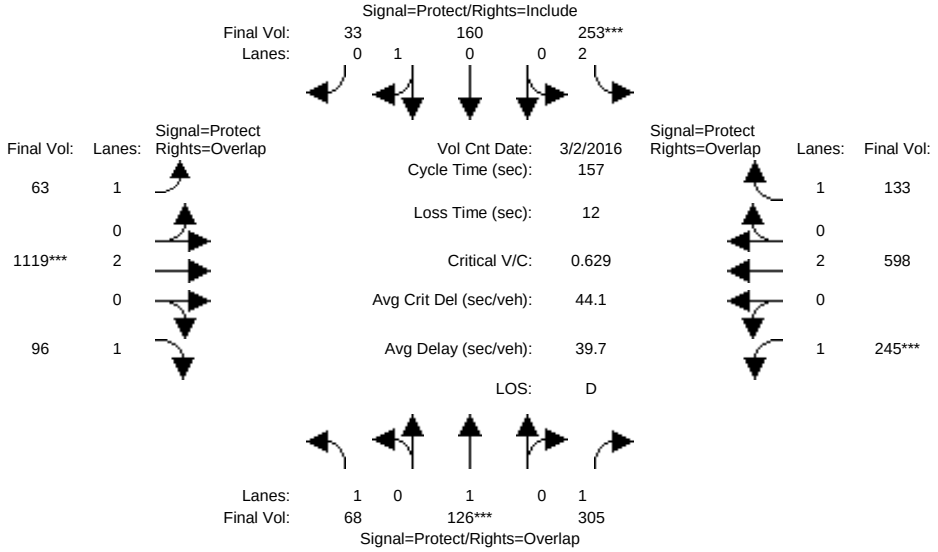
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing PM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 2 Mar 2016 << 4:45-5:45PM												
Base Vol:	68	126	305	253	160	33	63	1119	96	245	598	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	126	305	253	160	33	63	1119	96	245	598	133
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	68	126	305	253	160	33	63	1119	96	245	598	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	126	305	253	160	33	63	1119	96	245	598	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	126	305	253	160	33	63	1119	96	245	598	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	126	305	253	160	33	63	1119	96	245	598	133
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.83	0.17	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1492	308	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.07	0.17	0.08	0.11	0.11	0.04	0.29	0.05	0.14	0.16	0.08
Crit Moves:		****		****				****		****		
Green Time:	10.7	16.5	51.5	20.0	25.8	25.8	23.9	73.5	84.2	34.9	84.5	104.5
Volume/Cap:	0.57	0.63	0.53	0.63	0.65	0.65	0.24	0.63	0.10	0.63	0.29	0.11
Delay/Veh:	77.2	73.6	43.9	68.1	66.4	66.4	59.0	32.2	17.9	58.5	20.0	9.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	77.2	73.6	43.9	68.1	66.4	66.4	59.0	32.2	17.9	58.5	20.0	9.5
LOS by Move:	E	E	D	E	E	E	E	C	B	E	B	A
HCM2k95thQ:	8	13	23	15	18	18	5	33	5	21	14	5

Note: Queue reported is the number of cars per lane.

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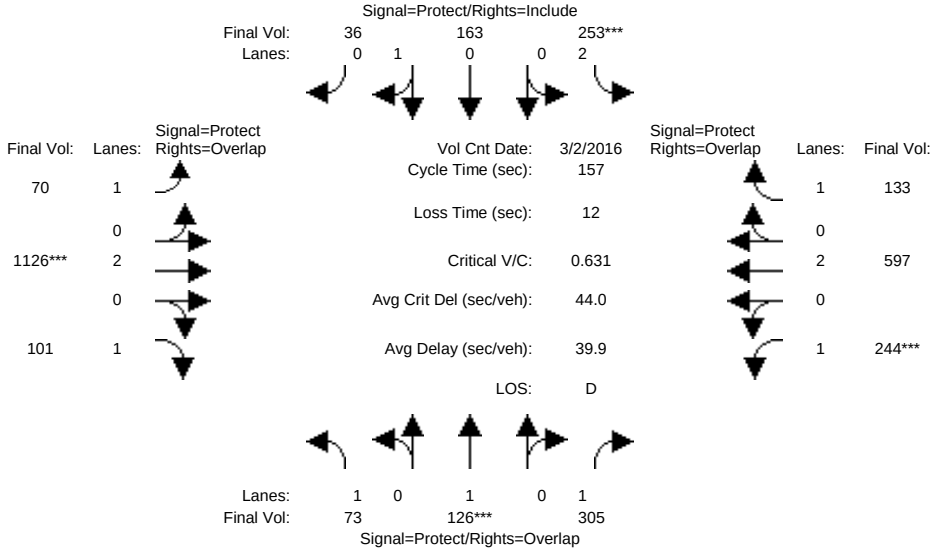
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Existing + 2016 Proj PM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 2 Mar 2016 << 4:45-5:45PM												
Base Vol:	68	126	305	253	160	33	63	1119	96	245	598	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	126	305	253	160	33	63	1119	96	245	598	133
Added Vol:	5	0	0	0	3	3	7	7	5	-1	-1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	73	126	305	253	163	36	70	1126	101	244	597	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	73	126	305	253	163	36	70	1126	101	244	597	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	73	126	305	253	163	36	70	1126	101	244	597	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	73	126	305	253	163	36	70	1126	101	244	597	133
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.82	0.18	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1474	326	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.07	0.17	0.08	0.11	0.11	0.04	0.30	0.06	0.14	0.16	0.08
Crit Moves:		****		****				****		****		
Green Time:	10.5	16.5	51.2	20.0	26.0	26.0	24.0	73.8	84.3	34.7	84.5	104.5
Volume/Cap:	0.62	0.63	0.53	0.63	0.67	0.67	0.26	0.63	0.11	0.63	0.29	0.11
Delay/Veh:	81.4	73.7	44.1	68.2	67.1	67.1	59.2	32.1	17.9	58.7	19.9	9.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	81.4	73.7	44.1	68.2	67.1	67.1	59.2	32.1	17.9	58.7	19.9	9.5
LOS by Move:	F	E	D	E	E	E	E	C	B	E	B	A
HCM2k95thQ:	9	13	23	15	19	19	6	33	5	21	14	5

Note: Queue reported is the number of cars per lane.

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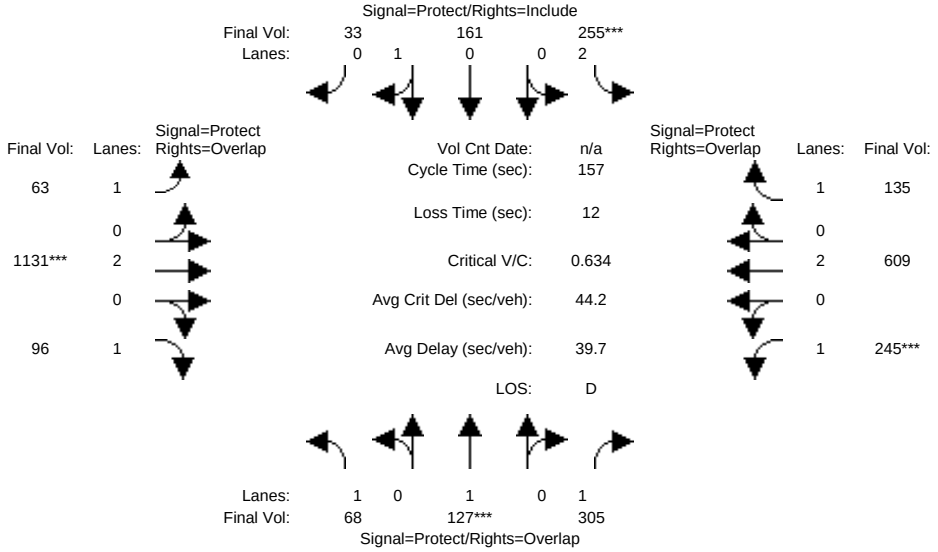
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Background PM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	68	126	305	253	160	33	63	1119	96	245	598	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	126	305	253	160	33	63	1119	96	245	598	133
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Bkgnd Vol:	0	1	0	2	1	0	0	12	0	0	11	2
Initial Fut:	68	127	305	255	161	33	63	1131	96	245	609	135
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	127	305	255	161	33	63	1131	96	245	609	135
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	127	305	255	161	33	63	1131	96	245	609	135
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	127	305	255	161	33	63	1131	96	245	609	135
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.83	0.17	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1494	306	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.07	0.17	0.08	0.11	0.11	0.04	0.30	0.05	0.14	0.16	0.08
Crit Moves:		****		****				****		****		
Green Time:	10.7	16.6	51.2	20.1	25.9	25.9	23.6	73.7	84.4	34.7	84.8	104.9
Volume/Cap:	0.57	0.63	0.53	0.63	0.65	0.65	0.24	0.63	0.10	0.63	0.30	0.12
Delay/Veh:	77.3	73.8	44.1	68.3	66.5	66.5	59.3	32.2	17.8	58.8	19.9	9.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	77.3	73.8	44.1	68.3	66.5	66.5	59.3	32.2	17.8	58.8	19.9	9.4
LOS by Move:	E	E	D	E	E	E	E	C	B	E	B	A
HCM2k95thQ:	8	13	23	15	19	19	6	34	5	21	15	5

Note: Queue reported is the number of cars per lane.

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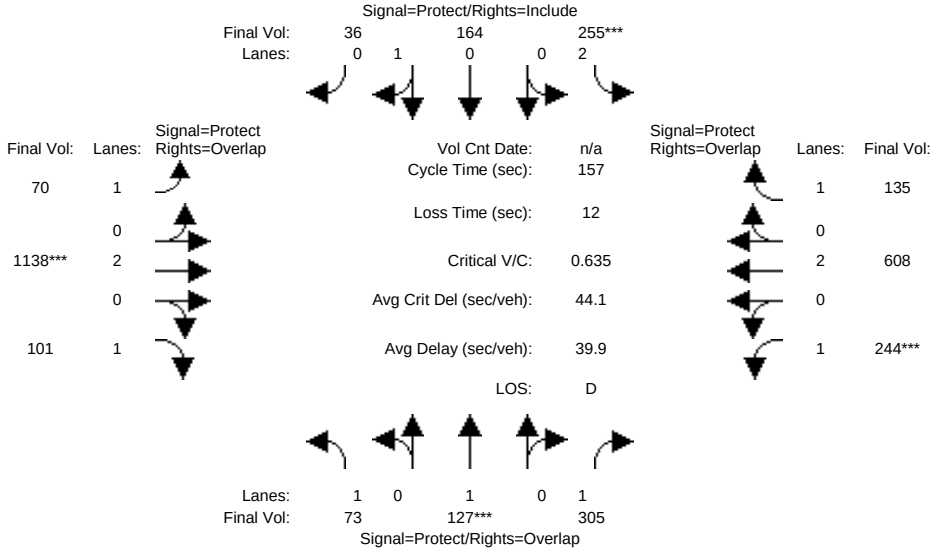
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Bkgnd + Project PM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	68	126	305	253	160	33	63	1119	96	245	598	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	126	305	253	160	33	63	1119	96	245	598	133
Added Vol:	5	0	0	0	3	3	7	7	5	-1	-1	0
Bkgnd Vol:	0	1	0	2	1	0	0	12	0	0	11	2
Initial Fut:	73	127	305	255	164	36	70	1138	101	244	608	135
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	73	127	305	255	164	36	70	1138	101	244	608	135
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	73	127	305	255	164	36	70	1138	101	244	608	135
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	73	127	305	255	164	36	70	1138	101	244	608	135
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.82	0.18	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1476	324	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.07	0.17	0.08	0.11	0.11	0.04	0.30	0.06	0.14	0.16	0.08
Crit Moves:		****		****				****		****		
Green Time:	10.5	16.5	51.0	20.0	26.1	26.1	23.6	74.0	84.5	34.5	84.8	104.8
Volume/Cap:	0.63	0.64	0.54	0.64	0.67	0.67	0.27	0.64	0.11	0.64	0.30	0.12
Delay/Veh:	81.6	73.9	44.4	68.4	67.2	67.2	59.5	32.1	17.8	59.1	19.8	9.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	81.6	73.9	44.4	68.4	67.2	67.2	59.5	32.1	17.8	59.1	19.8	9.4
LOS by Move:	F	E	D	E	E	E	E	C	B	E	B	A
HCM2k95thQ:	9	13	23	15	19	19	6	34	5	21	15	5

Note: Queue reported is the number of cars per lane.

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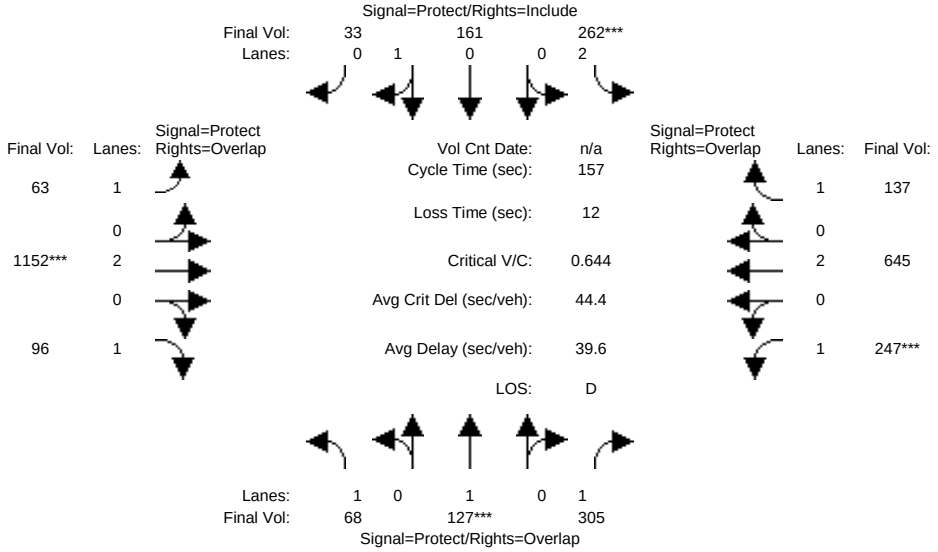
201-225 Los Gatos-Saratoga Road
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cumulative PM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	68	126	305	253	160	33	63	1119	96	245	598	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	126	305	253	160	33	63	1119	96	245	598	133
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Cumul Vol:	0	1	0	9	1	0	0	33	0	2	47	4
Initial Fut:	68	127	305	262	161	33	63	1152	96	247	645	137
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	127	305	262	161	33	63	1152	96	247	645	137
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	127	305	262	161	33	63	1152	96	247	645	137
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	68	127	305	262	161	33	63	1152	96	247	645	137
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.83	0.17	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1494	306	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.07	0.17	0.08	0.11	0.11	0.04	0.30	0.05	0.14	0.17	0.08
Crit Moves:		****		****				****		****		
Green Time:	10.7	16.3	50.7	20.3	25.9	25.9	22.6	74.0	84.7	34.4	85.8	106.1
Volume/Cap:	0.57	0.64	0.54	0.64	0.65	0.65	0.25	0.64	0.10	0.64	0.31	0.12
Delay/Veh:	77.3	74.6	44.6	68.4	66.5	66.5	60.2	32.3	17.7	59.4	19.5	9.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	77.3	74.6	44.6	68.4	66.5	66.5	60.2	32.3	17.7	59.4	19.5	9.0
LOS by Move:	E	E	D	E	E	E	E	C	B	E	B	A
HCM2k95thQ:	8	13	23	15	19	19	6	34	5	21	15	5

Note: Queue reported is the number of cars per lane.

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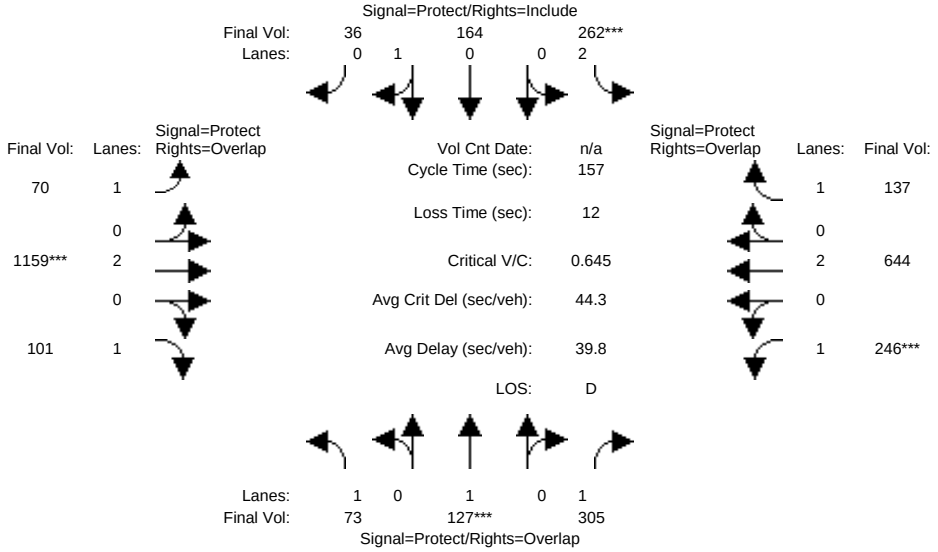
2016 TIA

Level Of Service Computation Report
2000 HCM Operations (Future Volume Alternative)
Cum + Project PM

Intersection #103: Los Gatos-Saratoga Rd & University Ave



Street Name:	University Av						Los Gatos-Saratoga Rd (SR 9)					
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module:												
Base Vol:	68	126	305	253	160	33	63	1119	96	245	598	133
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	68	126	305	253	160	33	63	1119	96	245	598	133
Added Vol:	5	0	0	0	3	3	7	7	5	-1	-1	0
Cumul Vol:	0	1	0	9	1	0	0	33	0	2	47	4
Initial Fut:	73	127	305	262	164	36	70	1159	101	246	644	137
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	73	127	305	262	164	36	70	1159	101	246	644	137
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	73	127	305	262	164	36	70	1159	101	246	644	137
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	73	127	305	262	164	36	70	1159	101	246	644	137
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.83	0.95	0.95	0.92	1.00	0.92	0.92	1.00	0.92
Lanes:	1.00	1.00	1.00	2.00	0.82	0.18	1.00	2.00	1.00	1.00	2.00	1.00
Final Sat.:	1750	1900	1750	3150	1476	324	1750	3800	1750	1750	3800	1750
Capacity Analysis Module:												
Vol/Sat:	0.04	0.07	0.17	0.08	0.11	0.11	0.04	0.31	0.06	0.14	0.17	0.08
Crit Moves:		****		****				****		****		
Green Time:	10.5	16.3	50.5	20.2	26.1	26.1	22.6	74.3	84.7	34.2	85.9	106.1
Volume/Cap:	0.63	0.64	0.54	0.64	0.67	0.67	0.28	0.64	0.11	0.64	0.31	0.12
Delay/Veh:	81.7	74.8	44.8	68.5	67.2	67.2	60.5	32.2	17.7	59.6	19.5	9.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	81.7	74.8	44.8	68.5	67.2	67.2	60.5	32.2	17.7	59.6	19.5	9.0
LOS by Move:	F	E	D	E	E	E	E	C	B	E	B	A
HCM2k95thQ:	9	13	23	15	19	19	6	34	5	21	15	5

Note: Queue reported is the number of cars per lane.

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Appendix E

Signal Warrant Worksheets

Los Gatos-Saratoga Road and Massol Avenue

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: JEC date: 4/19/16

Major Street: SR 9 — Critical Approach Speed* (mph) 35

Minor Street: Massol/ — Critical Approach Speed* (mph) 25

**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)…… ☐ or
In built up area of isolated community of < 10,000 population…… ☐ } **Rural (R)**

☑ **Urban (U)**

AM PEAK PERIOD

Warrant 3 - Peak Hour

PART A

(All parts 1, 2, and 3 below must be satisfied)

Note that only the left-turn volume on Massol is included, because the right-turns have their own receiving lane on SR 9 (a second EB lane is added after the intersection).

The delay on the minor street approach was calculated by TRAFFIX, but is likely overstated due to the fact that when delay is over approx. 180 seconds, the TRAFFIX software calculations for average delay are less accurate.

AM PEAK PERIOD

	Existing	Background	Existing + Proj	Background + Proj				
Minor Street Approach Direction w/ Highest Delay	NB	NB	NB	NB				
Highest Minor Street Average Delay (sec/veh)	369.4	422.8	387.1	442.5				
Corresponding Minor Street Approach Volume (veh/hr)	53	53	53	53				
Minor Street Total Delay (veh-hrs)	5.4	6.2	5.7	6.5				
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	Yes	Yes	Yes	Yes				
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	No	No	No	No				
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	Yes	Yes	Yes	Yes				
Signal Warranted based on Part A?	**No**	**No**	**No**	**No**				

PART B

Note that only the left-turn volume on Massol is included, because the right-turns have their own receiving lane on SR 9, (a second EB lane is added after the intersection).

AM PEAK PERIOD

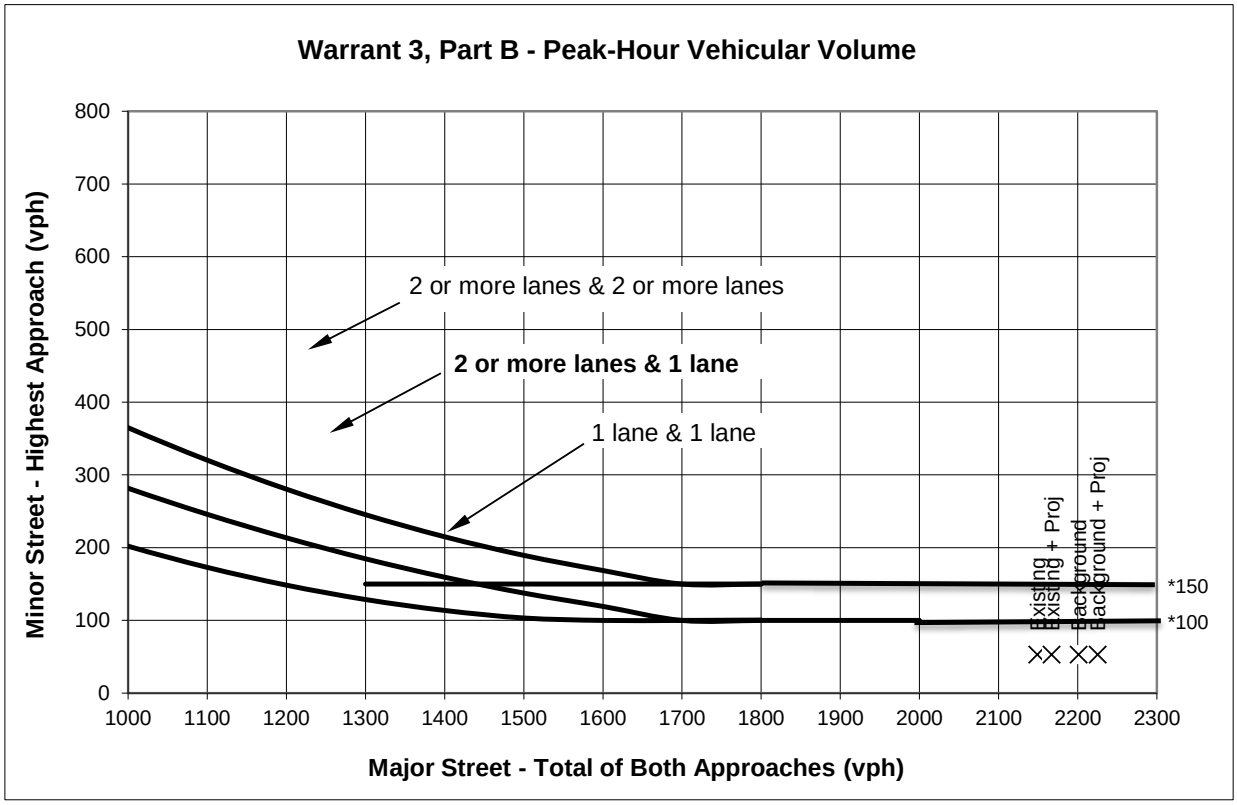
		Approach Lanes: One	Approach Lanes: 2 or More	Existing	Background	Existing + Proj	Background + Proj				
Major Street - Both Approaches	SR 9	X		2149	2201	2167	2225				
Minor Street - Highest Approach	Massol/	X		53	53	53	53				
Signal Warranted based on Part B?				**No**	**No**	**No**	**No**				

The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)

Los Gatos-Saratoga Road and Massol Avenue

Los Gatos-Saratoga Road (SR 9)and Massol Avenue **AM PEAK PERIOD**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

Note that only the left-turn volume on Massol is included, because the right-turns have their own receiving lane on SR 9, (a second EB lane is added after the intersection).

AM PEAK PERIOD

		Approach Lanes		Existing	Background	Existing + Proj	Background + Proj				
		One	2 or More								
Major Street - Both Approaches	SR 9	X		2149	2201	2167	2225				
Minor Street - Highest Approach	Massol/	X		53	53	53	53				
Signal Warranted Based on Part B - Peak-Hour Volumes?				**No**	**No**	**No**	**No**				

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

Los Gatos-Saratoga Road and Massol Avenue

TRAFFIC SIGNAL WARRANTS WORKSHEET

Analyst: JEC date: 4/19/16

Major Street: SR 9 — Critical Approach Speed* (mph) 35

Minor Street: Massol/ — Critical Approach Speed* (mph) 25

**Posted Speed.*

Critical speed of major street traffic > 50 mph (64 km/h)…… ☐ or

In built up area of isolated community of < 10,000 population…… ☐ } **Rural (R)**

☑ **Urban (U)**

PM PEAK HOUR

Warrant 3 - Peak Hour

PART A

(All parts 1, 2, and 3 below must be satisfied)

Note that only the left-turn volume on Massol is included, because the right-turns have their own receiving lane on SR 9 (a second EB lane is added after the intersection).

PM PEAK HOUR	Existing	Background	Existing + Proj	Background + Proj				
Minor Street Approach Direction w/ Highest Delay	NB	NB	NB	NB				
Highest Minor Street Average Delay (sec/veh)	137.9	168.7	141.1	172.7				
Corresponding Minor Street Approach Volume (veh/hr)	14	14	14	14				
Minor Street Total Delay (veh-hrs)	0.5	0.7	0.5	0.7				
1. The total delay experienced for traffic on one minor street approach controlled by a STOP sign equals or exceeds 4 vehicle-hours for a 1-lane approach and 5 vehicle-hours for a 2-lane approach; AND	No	No	No	No				
2. The volume on the same minor street approach equals or exceeds 100 vph for 1 moving lane of traffic or 150 vph for 2 moving lanes; AND	No	No	No	No				
3. The total entering volume serviced during the hour equals or exceeds 800 vph for intersections with 4 or more approaches or 650 vph for intersections with 3 approaches.	Yes	Yes	Yes	Yes				
Signal Warranted based on Part A?	**No**	**No**	**No**	**No**				

PART B

Note that only the left-turn volume on Massol is included, because the right-turns have their own receiving lane on SR 9, (a second EB lane is added after the intersection).

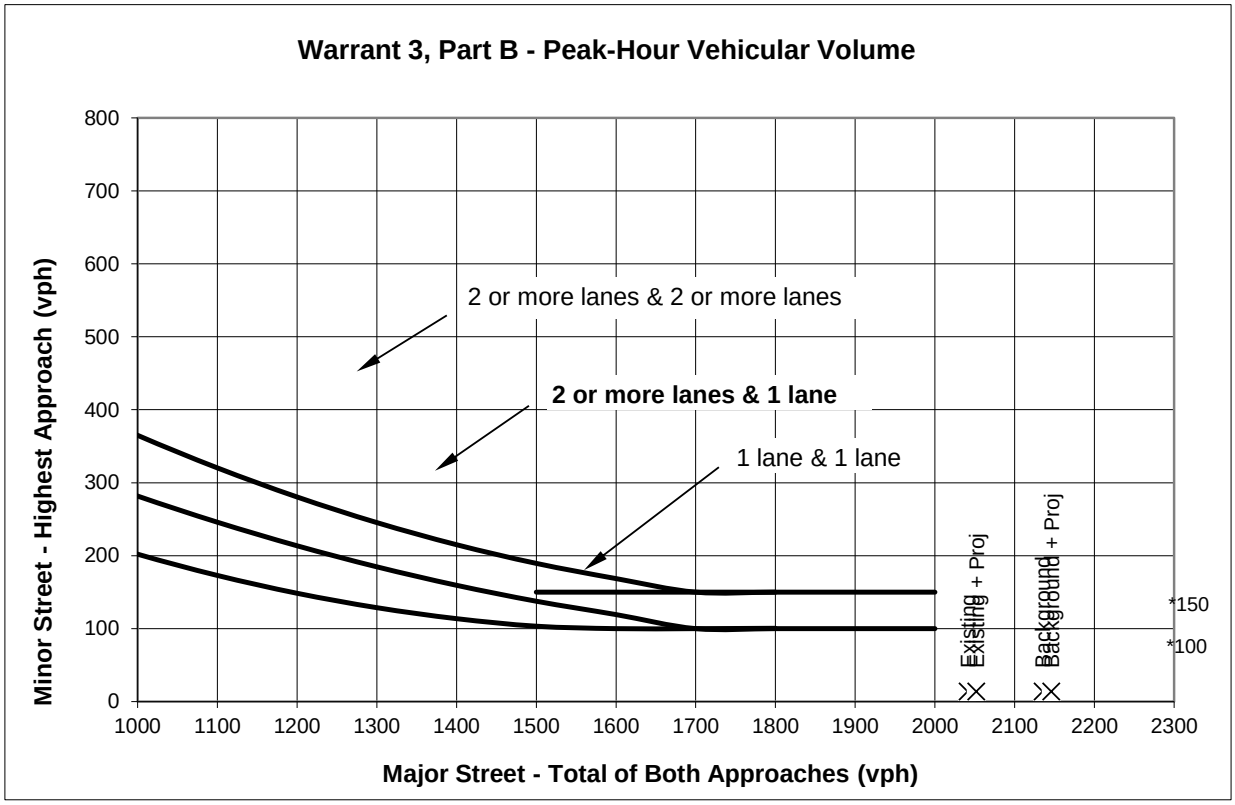
PM PEAK HOUR		Approach Lanes: One	Approach Lanes: 2 or More	Existing	Background	Existing + Proj	Background + Proj				
Major Street - Both Approaches	SR 9	X		2041	2135	2052	2146				
Minor Street - Highest Approach	Massol/	X		14	14	14	14				
Signal Warranted based on Part B?				**No**	**No**	**No**	**No**				

The Warrant is satisfied if the plotted point for vehicles per hour on the major street (both approaches) and the corresponding per hour higher vehicle volume minor street approach (one direction only) for one hour (any four consecutive 15-minute periods) fall above the applicable curves in California MUTCD Figure 4C-3 or 4C-4.

Source: California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California).

Los Gatos-Saratoga Road and Massol Avenue

Los Gatos-Saratoga Road (SR 9)and Massol Avenue **PM PEAK HOUR**



Source: Figure 4C-3 *California Manual on Uniform Traffic Control Devices for Streets and Highways (FHWA's MUTCD 2010 Edition, as amended for use in California)* .

* Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Warrant 3, Part B - Peak-Hour Vehicular Volume

Note that only the left-turn volume on Massol is included, because the right-turns have their own receiving lane on SR 9, (a second EB lane is added after the intersection).

		Approach Lanes		PM PEAK HOUR							
		One	2 or More	Existing	Background	Existing + Proj	Background + Proj				
Major Street - Both Approaches	SR 9	X		2041	2135	2052	2146				
Minor Street - Highest Approach	Massol/	X		14	14	14	14				
Signal Warranted Based on Part B - Peak-Hour Volumes?				**No**	**No**	**No**	**No**				

*Warrant is satisfied if plotted points fall above the appropriate curve in graph above.

Appendix F

Auto Trip Reduction Statement

AUTO TRIP REDUCTION STATEMENT

UPDATED: October 2014

SANTA CLARA Valley Transportation Authority

PROJECT INFORMATION		Relevant TIA Section:	Chapters 1 and 3	
Project Name: 201-225 Los Gatos-Saratoga Road, Los Gatos, CA				
Location:				
Description: The proposed project consists of two buildings. One building, on the corner of Los Gatos-Saratoga Road (SR 9) and Santa Cruz Avenue, would include restaurant or retail space. The second building would be used as medical office space, general office space, a bank, or some combination of these uses. The project would replace several existing buildings.				
Size (net new):	*D.U. Residential*	20,622	*Sq. Ft. Comm.*	*Acres (Gr.)*
Density:	*D.U. / Acre*			*Floor Area Ratio (FAR)*
Located within 2000 feet walking distance of an LRT, BRT, BART or Caltrain station or major bus stop? No				

PROJECT AUTO TRIP GENERATION		Relevant TIA Section:	Chapter 3	
Auto Trips Generated:	90 *AM Pk Hr*	48 *PM Pk Hr*		*Total Weekday*
Methodology (check one)	☐ **ITE**	☒ **Other** *(Please describe below)*		
ITE rates used for Restaurant (ITE 932) and Medical Office Space (ITE 720), SANDAG rates used for bank, because ITE rates for banks without a drive-through window are based on extremely small sample size.				

AUTO TRIP REDUCTION APPROACH	Relevant TIA Section:	Chapter 3	
☒ **Standard** *Complete Table A below*	☐ **Peer/Study-Based** *Complete Table B below*	☐ **Target-Based** *Complete Table C below*	☐ **None Taken**

TRIP REDUCTION REQUIREMENTS	Relevant TIA Section:	Chapter 3
Is the project required to meet any trip reduction requirements or targets? No		**If so, specify percent:**
Reference code or requirement:		

TRIP REDUCTION APPROACHES

A. STANDARD APPROACH		Relevant TIA Section:			
Type of Reduction *Specify reduction. See Table 2 in TIA Guidelines*		**% Reduction from ITE Rates**	**Total Trips Reduced (AM/PM/Daily)**	**TOTAL REDUCTION CLAIMED**	
				%	**Trips**
Transit				PM Pass-By reduction for restaurant: 20% and for bank: 25%	0/21
Mixed-Use					
Financial Incentives					
Shuttle					

B. PEER/STUDY-BASED APPROACH	Relevant TIA Section:		
Basis of Reduction		**TOTAL REDUCTION CLAIMED**	
		%	**Trips**

Last updated 11/4/2014

C. TARGET-BASED APPROACH			Relevant TIA Section:		
Type of Reduction (check all that apply)				TOTAL REDUCTION CLAIMED	
❒ % Trip Reduction	❒ % SOV mode share	❒ Trip Cap		%	Trips
Description					
Time period for reduction	Peak Hour	Peak Period	Full Day		
	❒ AM/PM	❒ AM/PM	❒		

OTHER TDM/REDUCTION MEASURES			
Bicycle/Pedestrian	No	Relevant TIA Section:	
Parking Management	No	Relevant TIA Section:	
Transit	No	Relevant TIA Section:	
Site Planning and Design	No	Relevant TIA Section:	
TDM Program	No	Relevant TIA Section:	

IMPLEMENTATION	Relevant TIA Section:	
Have the project sponsor and Lead Agency agreed to any of the following measures?		
❒Monitoring		
❒Enforcement		
❒Data Sharing		