

APPENDIX C
**HORIZON YEAR (2035) - UNIMPROVED
INTERSECTION CAPACITY WORKSHEETS**



Intersection												
Int Delay, s/veh	3.6											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	6	153	89	69	48	191	37	88	55	543	182	8
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	3	30	0	0	0	0	0	0	0
Mvmt Flow	7	170	99	77	53	212	41	98	61	603	202	9

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1756	1654	207	1759	1629	128	211	0	0	159	0	0
Stage 1	1413	1413	-	211	211	-	-	-	-	-	-	-
Stage 2	343	241	-	1548	1418	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.13	6.8	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.13	5.8	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.13	5.8	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.527	4.27	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	67	~ 99	839	~ 66	88	927	1372	-	-	1433	-	-
Stage 1	173	206	-	789	678	-	-	-	-	-	-	-
Stage 2	676	710	-	142	177	-	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	~ 50	839	-	~ 45	927	1372	-	-	1433	-	-
Mov Cap-2 Maneuver	-	~ 50	-	-	~ 45	-	-	-	-	-	-	-
Stage 1	167	~ 108	-	763	656	-	-	-	-	-	-	-
Stage 2	463	687	-	-	93	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s			1.6	6.9
HCM LOS	-	-		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1372	-	-	-	1433	-	-
HCM Lane V/C Ratio	0.03	-	-	-	0.421	-	-
HCM Control Delay (s)	7.7	0	-	-	9.3	0	-
HCM Lane LOS	A	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0.1	-	-	-	2.1	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	1343.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	836	62	158	307	51	7	13	176	182	156	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	250	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	3	7	17	11	13	33	0	13	1	2	100
Mvmt Flow	0	929	69	176	341	57	8	14	196	202	173	4
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	341	0	0	998	0	0	1744	1655	963	1760	1690	341
Stage 1	-	-	-	-	-	-	963	963	-	692	692	-
Stage 2	-	-	-	-	-	-	781	692	-	1068	998	-
Critical Hdwy	4.1	-	-	4.27	-	-	7.43	6.5	6.33	7.11	6.52	7.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.43	5.5	-	6.11	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.43	5.5	-	6.11	5.52	-
Follow-up Hdwy	2.2	-	-	2.353	-	-	3.797	4	3.417	3.509	4.018	4.2
Pot Cap-1 Maneuver	1229	-	-	638	-	-	57	99	296	~ 66	~ 93	525
Stage 1	-	-	-	-	-	-	270	337	-	436	445	-
Stage 2	-	-	-	-	-	-	345	448	-	269	322	-
Platoon blocked, %			-			-						
Mov Cap-1 Maneuver	1229	-	-	638	-	-	-	64	296	~ 14	~ 60	525
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	64	-	~ 14	~ 60	-
Stage 1	-	-	-	-	-	-	270	337	-	436	286	-
Stage 2	-	-	-	-	-	-	87	288	-	~ 87	322	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			3.9						\$ 7661.1		
HCM LOS							-			F		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	-	1229	-	-	638	-	-	22				
HCM Lane V/C Ratio	-	-	-	-	0.275	-	-	17.273				
HCM Control Delay (s)	-	0	-	-	12.8	0		\$ 7661.1				
HCM Lane LOS	-	A	-	-	B	A	-	F				
HCM 95th %tile Q(veh)	-	0	-	-	1.1	-	-	47.7				
Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection						
Int Delay, s/veh	486.6					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	80	772	319	87	424	181
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	30	2	10	22	3	6
Mvmt Flow	89	858	354	97	471	201
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	451	0	-	0	1439	403
Stage 1	-	-	-	-	403	-
Stage 2	-	-	-	-	1036	-
Critical Hdwy	4.4	-	-	-	6.43	6.26
Critical Hdwy Stg 1	-	-	-	-	5.43	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	2.47	-	-	-	3.527	3.354
Pot Cap-1 Maneuver	977	-	-	-	~ 146	639
Stage 1	-	-	-	-	673	-
Stage 2	-	-	-	-	~ 341	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	977	-	-	-	~ 121	639
Mov Cap-2 Maneuver	-	-	-	-	~ 121	-
Stage 1	-	-	-	-	673	-
Stage 2	-	-	-	-	~ 282	-
Approach	EB		WB		SB	
HCM Control Delay, s	0.9		0		\$ 1497.1	
HCM LOS					F	
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	977	-	-	-	160	
HCM Lane V/C Ratio	0.091	-	-	-	4.201	
HCM Control Delay (s)	9.1	0	-	-	\$ 1497.1	
HCM Lane LOS	A	A	-	-	F	
HCM 95th %tile Q(veh)	0.3	-	-	-	67.7	
Notes						
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon						

Intersection												
Int Delay, s/veh	28.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	732	210	120	370	0	55	0	113	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	2	12	9	0	4	100	25	0	0	0
Mvmt Flow	0	813	233	133	411	0	61	0	126	0	0	0
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	411	0	0	1047	0	0	1608	1608	930	1671	1725	411
Stage 1	-	-	-	-	-	-	930	930	-	678	678	-
Stage 2	-	-	-	-	-	-	678	678	-	993	1047	-
Critical Hdwy	4.1	-	-	4.22	-	-	7.14	7.5	6.45	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.14	6.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.14	6.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.308	-	-	3.536	4.9	3.525	3.5	4	3.3
Pot Cap-1 Maneuver	1159	-	-	628	-	-	83	64	294	77	90	645
Stage 1	-	-	-	-	-	-	318	242	-	445	455	-
Stage 2	-	-	-	-	-	-	439	331	-	298	308	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1159	-	-	628	-	-	65	46	294	35	65	645
Mov Cap-2 Maneuver	-	-	-	-	-	-	65	46	-	35	65	-
Stage 1	-	-	-	-	-	-	318	242	-	445	330	-
Stage 2	-	-	-	-	-	-	319	240	-	171	308	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			3			263.7			0		
HCM LOS							F			A		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	137	1159	-	-	628	-	-	-				
HCM Lane V/C Ratio	1.363	-	-	-	0.212	-	-	-				
HCM Control Delay (s)	263.7	0	-	-	12.3	0	-	0				
HCM Lane LOS	F	A	-	-	B	A	-	A				
HCM 95th %tile Q(veh)	12	0	-	-	0.8	-	-	-				

Intersection												
Int Delay, s/veh	199.7											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	1241	164	93	566	0	32	0	292	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	2	2	6	0	7	0	1	0	0	0
Mvmt Flow	0	1379	182	103	629	0	36	0	324	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	629	0	0	1561	0	0	2306	2306	1470	2468	2397	629
Stage 1	-	-	-	-	-	-	1470	1470	-	836	836	-
Stage 2	-	-	-	-	-	-	836	836	-	1632	1561	-
Critical Hdwy	4.1	-	-	4.12	-	-	7.17	6.5	6.21	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.17	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.17	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.218	-	-	3.563	4	3.309	3.5	4	3.3
Pot Cap-1 Maneuver	963	-	-	423	-	-	~ 26	39	~ 157	21	34	486
Stage 1	-	-	-	-	-	-	154	193	-	364	385	-
Stage 2	-	-	-	-	-	-	354	385	-	129	175	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	963	-	-	423	-	-	~ 18	24	~ 157	-	21	486
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 18	24	-	-	21	-
Stage 1	-	-	-	-	-	-	154	193	-	364	241	-
Stage 2	-	-	-	-	-	-	222	241	-	-	175	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	2.3	\$ 1467.5	0
HCM LOS			F	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	89	963	-	-	423	-	-	-
HCM Lane V/C Ratio	4.045	-	-	-	0.244	-	-	-
HCM Control Delay (s)	\$ 1467.5	0	-	-	16.2	0	-	0
HCM Lane LOS	F	A	-	-	C	A	-	A
HCM 95th %tile Q(veh)	37.5	0	-	-	0.9	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection						
Int Delay, s/veh	5.4					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	187	100	159	78	40	136
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	5	4	1	2	9	0
Mvmt Flow	208	111	177	87	44	151
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	319	0	703	263
Stage 1	-	-	-	-	263	-
Stage 2	-	-	-	-	440	-
Critical Hdwy	-	-	4.11	-	6.49	6.2
Critical Hdwy Stg 1	-	-	-	-	5.49	-
Critical Hdwy Stg 2	-	-	-	-	5.49	-
Follow-up Hdwy	-	-	2.209	-	3.581	3.3
Pot Cap-1 Maneuver	-	-	1247	-	393	781
Stage 1	-	-	-	-	765	-
Stage 2	-	-	-	-	635	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1247	-	334	781
Mov Cap-2 Maneuver	-	-	-	-	334	-
Stage 1	-	-	-	-	765	-
Stage 2	-	-	-	-	540	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		5.6		13.9	
HCM LOS					B	
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	599	-	-	1247	-	
HCM Lane V/C Ratio	0.326	-	-	0.142	-	
HCM Control Delay (s)	13.9	-	-	8.4	0	
HCM Lane LOS	B	-	-	A	A	
HCM 95th %tile Q(veh)	1.4	-	-	0.5	-	

Intersection												
Int Delay, s/veh	113.9											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	26	555	42	17	155	49	10	61	52	139	170	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	1	0	0	4	0	20	3	0	3	0	0
Mvmt Flow	29	617	47	19	172	54	11	68	58	154	189	14

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	227	0	0	663	0	0	1037	962	640	998	958	199
Stage 1	-	-	-	-	-	-	698	698	-	237	237	-
Stage 2	-	-	-	-	-	-	339	264	-	761	721	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.3	6.53	6.2	7.13	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	5.53	-	6.13	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.3	5.53	-	6.13	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.68	4.027	3.3	3.527	4	3.3
Pot Cap-1 Maneuver	1353	-	-	935	-	-	194	255	479	222	259	847
Stage 1	-	-	-	-	-	-	403	441	-	764	713	-
Stage 2	-	-	-	-	-	-	640	688	-	396	435	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1353	-	-	935	-	-	67	241	479	~ 147	244	847
Mov Cap-2 Maneuver	-	-	-	-	-	-	67	241	-	~ 147	244	-
Stage 1	-	-	-	-	-	-	389	426	-	738	697	-
Stage 2	-	-	-	-	-	-	448	672	-	283	420	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.7	37.9	\$ 440.4
HCM LOS			E	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	241	1353	-	-	935	-	-	194
HCM Lane V/C Ratio	0.567	0.021	-	-	0.02	-	-	1.844
HCM Control Delay (s)	37.9	7.7	0	-	8.9	0	-	\$ 440.4
HCM Lane LOS	E	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	3.2	0.1	-	-	0.1	-	-	25.7

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	327.5											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	4	191	4	80	128	35	8	84	80	311	336	10
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	4	0	3	2	19	0	18	8	3	8	0
Mvmt Flow	4	212	4	89	142	39	9	93	89	346	373	11

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	181	0	0	217	0	0	755	582	214	653	565	162
Stage 1	-	-	-	-	-	-	223	223	-	339	339	-
Stage 2	-	-	-	-	-	-	532	359	-	314	226	-
Critical Hdwy	4.1	-	-	4.13	-	-	7.1	6.68	6.28	7.13	6.58	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.68	-	6.13	5.58	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.68	-	6.13	5.58	-
Follow-up Hdwy	2.2	-	-	2.227	-	-	3.5	4.162	3.372	3.527	4.072	3.3
Pot Cap-1 Maneuver	1407	-	-	1347	-	-	328	404	811	379	426	888
Stage 1	-	-	-	-	-	-	784	690	-	673	629	-
Stage 2	-	-	-	-	-	-	535	600	-	695	706	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1407	-	-	1347	-	-	47	373	811	~ 257	393	888
Mov Cap-2 Maneuver	-	-	-	-	-	-	47	373	-	~ 257	393	-
Stage 1	-	-	-	-	-	-	782	688	-	671	582	-
Stage 2	-	-	-	-	-	-	175	556	-	533	704	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	2.6	27.2	\$ 625.4
HCM LOS			D	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	348	1407	-	-	1347	-	-	316
HCM Lane V/C Ratio	0.549	0.003	-	-	0.066	-	-	2.31
HCM Control Delay (s)	27.2	7.6	0	-	7.9	0	-	\$ 625.4
HCM Lane LOS	D	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	3.1	0	-	-	0.2	-	-	56.6

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection						
Int Delay, s/veh	2					
Movement	WBL	WBR		NBT	NBR	SBL SBT
Vol, veh/h	48	20		170	89	37 221
Conflicting Peds, #/hr	0	0		0	0	0 0
Sign Control	Stop	Stop		Free	Free	Free Free
RT Channelized	-	None		-	None	- None
Storage Length	0	-		-	-	- -
Veh in Median Storage, #	0	-		0	-	- 0
Grade, %	0	-		0	-	- 0
Peak Hour Factor	90	90		90	90	90 90
Heavy Vehicles, %	0	0		3	0	0 1
Mvmt Flow	53	22		189	99	41 246
Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	566	238		0	0	288 0
Stage 1	238	-		-	-	- -
Stage 2	328	-		-	-	- -
Critical Hdwy	6.4	6.2		-	-	4.1 -
Critical Hdwy Stg 1	5.4	-		-	-	- -
Critical Hdwy Stg 2	5.4	-		-	-	- -
Follow-up Hdwy	3.5	3.3		-	-	2.2 -
Pot Cap-1 Maneuver	489	806		-	-	1286 -
Stage 1	806	-		-	-	- -
Stage 2	734	-		-	-	- -
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	471	806		-	-	1286 -
Mov Cap-2 Maneuver	471	-		-	-	- -
Stage 1	806	-		-	-	- -
Stage 2	707	-		-	-	- -
Approach	WB		NB		SB	
HCM Control Delay, s	12.8		0		1.1	
HCM LOS	B					
Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT	
Capacity (veh/h)	-	-	537	1286	-	
HCM Lane V/C Ratio	-	-	0.141	0.032	-	
HCM Control Delay (s)	-	-	12.8	7.9	0	
HCM Lane LOS	-	-	B	A	A	
HCM 95th %tile Q(veh)	-	-	0.5	0.1	-	

Intersection												
Int Delay, s/veh	141.7											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	65	607	12	10	414	30	6	42	44	139	73	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	0	40	8	7	33	0	11	0	0	0
Mvmt Flow	72	674	13	11	460	33	7	47	49	154	81	17

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	493	0	0	688	0	0	1374	1342	681	1372	1331	477
Stage 1	-	-	-	-	-	-	826	826	-	499	499	-
Stage 2	-	-	-	-	-	-	548	516	-	873	832	-
Critical Hdwy	4.1	-	-	4.5	-	-	7.43	6.5	6.31	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.43	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.43	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.56	-	-	3.797	4	3.399	3.5	4	3.3
Pot Cap-1 Maneuver	1081	-	-	752	-	-	105	154	435	~ 124	156	592
Stage 1	-	-	-	-	-	-	325	389	-	557	547	-
Stage 2	-	-	-	-	-	-	469	538	-	348	387	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1081	-	-	752	-	-	49	135	435	~ 73	136	592
Mov Cap-2 Maneuver	-	-	-	-	-	-	49	135	-	~ 73	136	-
Stage 1	-	-	-	-	-	-	290	347	-	497	536	-
Stage 2	-	-	-	-	-	-	379	527	-	238	345	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.8	0.2	52.7	\$ 885.2
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	172	1081	-	-	752	-	-	92
HCM Lane V/C Ratio	0.594	0.067	-	-	0.015	-	-	2.742
HCM Control Delay (s)	52.7	8.6	0	-	9.9	0	-	\$ 885.2
HCM Lane LOS	F	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	3.2	0.2	-	-	0	-	-	24

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	504.5											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	14	530	25	43	341	9	11	95	35	257	158	37
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	14	2	15	10	8	0	17	2	0	0	4	0
Mvmt Flow	16	589	28	48	379	10	12	106	39	286	176	41

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	389	0	0	617	0	0	1222	1118	603	1185	1127	384
Stage 1	-	-	-	-	-	-	634	634	-	479	479	-
Stage 2	-	-	-	-	-	-	588	484	-	706	648	-
Critical Hdwy	4.24	-	-	4.2	-	-	7.27	6.52	6.2	7.1	6.54	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.27	5.52	-	6.1	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.27	5.52	-	6.1	5.54	-
Follow-up Hdwy	2.326	-	-	2.29	-	-	3.653	4.018	3.3	3.5	4.036	3.3
Pot Cap-1 Maneuver	1107	-	-	925	-	-	146	207	503	~ 167	203	668
Stage 1	-	-	-	-	-	-	443	473	-	571	552	-
Stage 2	-	-	-	-	-	-	470	552	-	430	463	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1107	-	-	925	-	-	20	189	503	~ 81	185	668
Mov Cap-2 Maneuver	-	-	-	-	-	-	20	189	-	~ 81	185	-
Stage 1	-	-	-	-	-	-	433	463	-	558	516	-
Stage 2	-	-	-	-	-	-	272	516	-	300	453	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	1	226.1	\$ 1664.1
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	126	1107	-	-	925	-	-	111
HCM Lane V/C Ratio	1.243	0.014	-	-	0.052	-	-	4.525
HCM Control Delay (s)	226.1	8.3	0	-	9.1	0	-	\$ 1664.1
HCM Lane LOS	F	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	9.8	0	-	-	0.2	-	-	52.5

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	94.3											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	157	404	85	102	219	30	14	98	76	15	85	92
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	4	0	8	19	0	0	2	0	2	0
Mvmt Flow	174	449	94	113	243	33	16	109	84	17	94	102

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	277	0	0	543	0	0	1430	1348	496	1429	1379	260
Stage 1	-	-	-	-	-	-	845	845	-	487	487	-
Stage 2	-	-	-	-	-	-	585	503	-	942	892	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.22	7.1	6.52	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.52	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.318	3.5	4.018	3.3
Pot Cap-1 Maneuver	1298	-	-	1036	-	-	113	152	574	114	144	784
Stage 1	-	-	-	-	-	-	360	382	-	566	550	-
Stage 2	-	-	-	-	-	-	501	545	-	318	360	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1298	-	-	1036	-	-	~ 14	~ 107	574	-	101	784
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 14	~ 107	-	-	101	-
Stage 1	-	-	-	-	-	-	290	308	-	456	479	-
Stage 2	-	-	-	-	-	-	305	475	-	141	290	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	2	2.6	\$ 678.9	
HCM LOS			F	-

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	92	1298	-	-	1036	-	-	-
HCM Lane V/C Ratio	2.271	0.134	-	-	0.109	-	-	-
HCM Control Delay (s)	\$ 678.9	8.2	0	-	8.9	0	-	-
HCM Lane LOS	F	A	A	-	A	A	-	-
HCM 95th %tile Q(veh)	18.8	0.5	-	-	0.4	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	13											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	89	154	9	4	45	113	0	95	14	97	42	33
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	6	0	0	8	2	0	6	0	2	0	0
Mvmt Flow	99	171	10	4	50	126	0	106	16	108	47	37
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	482	402	65	484	412	113	83	0	0	121	0	0
Stage 1	281	281	-	113	113	-	-	-	-	-	-	-
Stage 2	201	121	-	371	299	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.56	6.2	7.1	6.58	6.22	4.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.1	5.56	-	6.1	5.58	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.56	-	6.1	5.58	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.054	3.3	3.5	4.072	3.318	2.2	-	-	2.218	-	-
Pot Cap-1 Maneuver	498	531	1005	496	521	940	1527	-	-	1467	-	-
Stage 1	730	671	-	897	790	-	-	-	-	-	-	-
Stage 2	805	788	-	653	656	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	374	490	1005	338	480	940	1527	-	-	1467	-	-
Mov Cap-2 Maneuver	374	490	-	338	480	-	-	-	-	-	-	-
Stage 1	730	619	-	897	790	-	-	-	-	-	-	-
Stage 2	653	788	-	431	605	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	25.4			11.7			0			4.3		
HCM LOS	D			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1527	-	-	449	717	1467	-	-				
HCM Lane V/C Ratio	-	-	-	0.624	0.251	0.073	-	-				
HCM Control Delay (s)	0	-	-	25.4	11.7	7.6	0	-				
HCM Lane LOS	A	-	-	D	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	4.2	1	0.2	-	-				

Intersection												
Int Delay, s/veh	18.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	15	250	22	29	142	12	37	91	40	61	121	27
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	4	0	27	4	0	0	2	5	0	2	7
Mvmt Flow	17	278	24	32	158	13	41	101	44	68	134	30
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	576	513	149	642	506	123	164	0	0	146	0	0
Stage 1	285	285	-	206	206	-	-	-	-	-	-	-
Stage 2	291	228	-	436	300	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.54	6.2	7.37	6.54	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.54	-	6.37	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.54	-	6.37	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.036	3.3	3.743	4.036	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	431	462	903	354	466	933	1427	-	-	1448	-	-
Stage 1	727	672	-	742	728	-	-	-	-	-	-	-
Stage 2	721	712	-	553	662	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	285	424	903	154	428	933	1427	-	-	1448	-	-
Mov Cap-2 Maneuver	285	424	-	154	428	-	-	-	-	-	-	-
Stage 1	704	637	-	719	705	-	-	-	-	-	-	-
Stage 2	535	690	-	288	628	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	33.6			29.7			1.7			2.2		
HCM LOS	D			D								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1427	-	-	431	343	1448	-	-				
HCM Lane V/C Ratio	0.029	-	-	0.74	0.593	0.047	-	-				
HCM Control Delay (s)	7.6	0	-	33.6	29.7	7.6	0	-				
HCM Lane LOS	A	A	-	D	D	A	A	-				
HCM 95th %tile Q(veh)	0.1	-	-	6	3.6	0.1	-	-				

Intersection												
Int Delay, s/veh	6.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	35	335	2	12	148	14	4	26	31	97	22	35
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	6	3	100	0	7	0	0	0	0	0	0	0
Mvmt Flow	39	372	2	13	164	16	4	29	34	108	24	39
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	180	0	0	374	0	0	682	658	373	682	651	172
Stage 1	-	-	-	-	-	-	451	451	-	199	199	-
Stage 2	-	-	-	-	-	-	231	207	-	483	452	-
Critical Hdwy	4.16	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.254	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1372	-	-	1196	-	-	367	387	678	367	390	877
Stage 1	-	-	-	-	-	-	592	574	-	807	740	-
Stage 2	-	-	-	-	-	-	776	734	-	569	574	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1372	-	-	1196	-	-	321	369	678	316	371	877
Mov Cap-2 Maneuver	-	-	-	-	-	-	321	369	-	316	371	-
Stage 1	-	-	-	-	-	-	571	553	-	778	731	-
Stage 2	-	-	-	-	-	-	708	725	-	493	553	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.7			0.6			13.9			22.1		
HCM LOS							B			C		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	474	1372	-	-	1196	-	-	379				
HCM Lane V/C Ratio	0.143	0.028	-	-	0.011	-	-	0.451				
HCM Control Delay (s)	13.9	7.7	0	-	8	0	-	22.1				
HCM Lane LOS	B	A	A	-	A	A	-	C				
HCM 95th %tile Q(veh)	0.5	0.1	-	-	0	-	-	2.3				

Intersection												
Int Delay, s/veh	5.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	34	53	0	2	44	11	0	58	11	12	31	14
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	5	7	0	0	12	0	0	3	0	0	0	0
Mvmt Flow	38	59	0	2	49	12	0	64	12	13	34	16
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	170	146	42	169	148	71	50	0	0	77	0	0
Stage 1	69	69	-	71	71	-	-	-	-	-	-	-
Stage 2	101	77	-	98	77	-	-	-	-	-	-	-
Critical Hdwy	7.15	6.57	6.2	7.1	6.62	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.15	5.57	-	6.1	5.62	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.15	5.57	-	6.1	5.62	-	-	-	-	-	-	-
Follow-up Hdwy	3.545	4.063	3.3	3.5	4.108	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	787	736	1034	799	725	997	1570	-	-	1535	-	-
Stage 1	934	828	-	944	817	-	-	-	-	-	-	-
Stage 2	898	821	-	913	812	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	732	729	1034	745	718	997	1570	-	-	1535	-	-
Mov Cap-2 Maneuver	732	729	-	745	718	-	-	-	-	-	-	-
Stage 1	934	821	-	944	817	-	-	-	-	-	-	-
Stage 2	834	821	-	840	805	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	10.7			10.2			0			1.6		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1570	-	-	730	760	1535	-	-				
HCM Lane V/C Ratio	-	-	-	0.132	0.083	0.009	-	-				
HCM Control Delay (s)	0	-	-	10.7	10.2	7.4	0	-				
HCM Lane LOS	A	-	-	B	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	0.5	0.3	0	-	-				

Intersection												
Int Delay, s/veh	5.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	4	71	5	23	45	4	7	74	14	18	111	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	5	0	7	12	0	0	5	13	0	0	0
Mvmt Flow	4	79	6	26	50	4	8	82	16	20	123	4
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	299	279	126	314	274	90	128	0	0	98	0	0
Stage 1	166	166	-	106	106	-	-	-	-	-	-	-
Stage 2	133	113	-	208	168	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.55	6.2	7.17	6.62	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.55	-	6.17	5.62	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.55	-	6.17	5.62	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.045	3.3	3.563	4.108	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	657	624	930	629	617	973	1470	-	-	1508	-	-
Stage 1	841	755	-	888	789	-	-	-	-	-	-	-
Stage 2	875	796	-	783	741	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	603	612	930	555	605	973	1470	-	-	1508	-	-
Mov Cap-2 Maneuver	603	612	-	555	605	-	-	-	-	-	-	-
Stage 1	836	744	-	883	784	-	-	-	-	-	-	-
Stage 2	811	791	-	686	731	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	11.7			11.9			0.5			1		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1470	-	-	625	600	1508	-	-				
HCM Lane V/C Ratio	0.005	-	-	0.142	0.133	0.013	-	-				
HCM Control Delay (s)	7.5	0	-	11.7	11.9	7.4	0	-				
HCM Lane LOS	A	A	-	B	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	0.5	0.5	0	-	-				

Intersection												
Int Delay, s/veh	3.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	2	143	0	14	56	11	4	12	53	13	7	9
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	3	0	0	13	0	0	0	3	14	25	0
Mvmt Flow	2	159	0	16	62	12	4	13	59	14	8	10
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	74	0	0	159	0	0	271	269	159	298	262	68
Stage 1	-	-	-	-	-	-	163	163	-	99	99	-
Stage 2	-	-	-	-	-	-	108	106	-	199	163	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.23	7.24	6.75	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.24	5.75	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.24	5.75	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.327	3.626	4.225	3.3
Pot Cap-1 Maneuver	1538	-	-	1433	-	-	686	641	884	631	606	1001
Stage 1	-	-	-	-	-	-	844	767	-	879	771	-
Stage 2	-	-	-	-	-	-	902	811	-	776	722	-
Platoon blocked, %			-	-		-						
Mov Cap-1 Maneuver	1538	-	-	1433	-	-	666	633	884	574	598	1001
Mov Cap-2 Maneuver	-	-	-	-	-	-	666	633	-	574	598	-
Stage 1	-	-	-	-	-	-	843	766	-	878	762	-
Stage 2	-	-	-	-	-	-	873	801	-	711	721	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			1.3			9.9			10.7		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	813	1538	-	-	1433	-	-	669				
HCM Lane V/C Ratio	0.094	0.001	-	-	0.011	-	-	0.048				
HCM Control Delay (s)	9.9	7.3	0	-	7.5	0	-	10.7				
HCM Lane LOS	A	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.3	0	-	-	0	-	-	0.2				

Intersection						
Int Delay, s/veh	91.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	102	358	162	75	328	130
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	6	5	4	9	1	5
Mvmt Flow	113	398	180	83	364	144
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	263	0	-	0	846	222
Stage 1	-	-	-	-	222	-
Stage 2	-	-	-	-	624	-
Critical Hdwy	4.16	-	-	-	6.41	6.25
Critical Hdwy Stg 1	-	-	-	-	5.41	-
Critical Hdwy Stg 2	-	-	-	-	5.41	-
Follow-up Hdwy	2.254	-	-	-	3.509	3.345
Pot Cap-1 Maneuver	1278	-	-	-	~ 334	810
Stage 1	-	-	-	-	817	-
Stage 2	-	-	-	-	536	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	1278	-	-	-	~ 296	810
Mov Cap-2 Maneuver	-	-	-	-	~ 296	-
Stage 1	-	-	-	-	817	-
Stage 2	-	-	-	-	475	-
Approach	EB		WB		SB	
HCM Control Delay, s	1.8		0		228.9	
HCM LOS					F	
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1278	-	-	-	361	
HCM Lane V/C Ratio	0.089	-	-	-	1.41	
HCM Control Delay (s)	8.1	0	-	-	228.9	
HCM Lane LOS	A	A	-	-	F	
HCM 95th %tile Q(veh)	0.3	-	-	-	25.9	
Notes						
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon						

Intersection												
Int Delay, s/veh	199.9											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	63	30	31	54	498	65	140	33	379	94	6
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	0	0	3	2	7	0	2	33
Mvmt Flow	0	70	33	34	60	553	72	156	37	421	104	7

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1575	1287	108	1320	1271	174	111	0	0	192	0	0
Stage 1	950	950	-	318	318	-	-	-	-	-	-	-
Stage 2	625	337	-	1002	953	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.13	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.227	-	-	2.2	-	-
Pot Cap-1 Maneuver	90	166	951	135	169	875	1473	-	-	1394	-	-
Stage 1	315	341	-	698	657	-	-	-	-	-	-	-
Stage 2	476	645	-	295	340	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	14	106	951	46	108	875	1473	-	-	1394	-	-
Mov Cap-2 Maneuver	14	106	-	46	108	-	-	-	-	-	-	-
Stage 1	298	231	-	660	621	-	-	-	-	-	-	-
Stage 2	149	610	-	135	231	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	71.1	\$ 459.7	2.1	6.9
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1473	-	-	149 334	1394	-	-
HCM Lane V/C Ratio	0.049	-	-	0.694 1.939	0.302	-	-
HCM Control Delay (s)	7.6	0	-	71.1\$ 459.7	8.7	0	-
HCM Lane LOS	A	A	-	F F	A A	-	-
HCM 95th %tile Q(veh)	0.2	-	-	4 44.7	1.3	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

HCM 2010 TWSC
2: 54th Street West & Rimrock Road

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Intersection												
Int Delay, s/veh		0.8										
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	14	462	32	146	608	226	14	73	183	136	68	8
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	250	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	14	2	0	5	0	0	0	0	4	1	0	0
Mvmt Flow	16	513	36	162	676	251	16	81	203	151	76	9
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	676	0	0	549	0	0	1604	1562	531	1704	1580	676
Stage 1	-	-	-	-	-	-	562	562	-	1000	1000	-
Stage 2	-	-	-	-	-	-	1042	1000	-	704	580	-
Critical Hdwy	4.24	-	-	4.15	-	-	7.1	6.5	6.24	7.11	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.11	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.11	5.5	-
Follow-up Hdwy	2.326	-	-	2.245	-	-	3.5	4	3.336	3.509	4	3.3
Pot Cap-1 Maneuver	862	-	-	1006	-	-	86	113	544	~ 73	110	457
Stage 1	-	-	-	-	-	-	515	513	-	294	324	-
Stage 2	-	-	-	-	-	-	280	324	-	429	503	-
Platoon blocked, %			-			-						
Mov Cap-1 Maneuver	862	-	-	1006	-	-	-	~ 71	544	-	~ 69	457
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	~ 71	-	-	~ 69	-
Stage 1	-	-	-	-	-	-	501	499	-	286	210	-
Stage 2	-	-	-	-	-	-	114	210	-	219	489	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.3			1.4								
HCM LOS							-			-		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	-	862	-	-	1006	-	-	-				
HCM Lane V/C Ratio	-	0.018	-	-	0.161	-	-	-				
HCM Control Delay (s)	-	9.3	0	-	9.3	0	-	-				
HCM Lane LOS	-	A	A	-	A	A	-	-				
HCM 95th %tile Q(veh)	-	0.1	-	-	0.6	-	-	-				
Notes												
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined				*: All major volume in platoon				

Intersection

Int Delay, s/veh 122.9

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	82	436	523	292	224	101
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	3	3	1	1	1	19
Mvmt Flow	91	484	581	324	249	112

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	906	0	1410
Stage 1	-	-	743
Stage 2	-	-	667
Critical Hdwy	4.13	-	6.41
Critical Hdwy Stg 1	-	-	5.41
Critical Hdwy Stg 2	-	-	5.41
Follow-up Hdwy	2.227	-	3.509
Pot Cap-1 Maneuver	747	-	~ 153
Stage 1	-	-	472
Stage 2	-	-	512
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	747	-	~ 127
Mov Cap-2 Maneuver	-	-	~ 127
Stage 1	-	-	472
Stage 2	-	-	426

Approach	EB	WB	SB
HCM Control Delay, s	1.7	0	\$ 624.5
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	747	-	-	-	161
HCM Lane V/C Ratio	0.122	-	-	-	2.243
HCM Control Delay (s)	10.5	0	-	-	\$ 624.5
HCM Lane LOS	B	A	-	-	F
HCM 95th %tile Q(veh)	0.4	-	-	-	29.6

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection												
Int Delay, s/veh	117.7											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	401	114	117	507	0	187	0	117	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	2	18	1	0	0	0	8	0	0	0
Mvmt Flow	0	446	127	130	563	0	208	0	130	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	563	0	0	572	0	0	1332	1332	509	1397	1395	563
Stage 1	-	-	-	-	-	-	509	509	-	823	823	-
Stage 2	-	-	-	-	-	-	823	823	-	574	572	-
Critical Hdwy	4.1	-	-	4.28	-	-	7.1	6.5	6.28	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.362	-	-	3.5	4	3.372	3.5	4	3.3
Pot Cap-1 Maneuver	1019	-	-	926	-	-	~ 133	156	552	120	143	530
Stage 1	-	-	-	-	-	-	550	541	-	371	391	-
Stage 2	-	-	-	-	-	-	371	391	-	507	508	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1019	-	-	926	-	-	~ 112	124	552	77	114	530
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 112	124	-	77	114	-
Stage 1	-	-	-	-	-	-	550	541	-	371	311	-
Stage 2	-	-	-	-	-	-	295	311	-	388	508	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	1.8	\$ 555	0
HCM LOS			F	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	162	1019	-	-	926	-	-	-
HCM Lane V/C Ratio	2.085	-	-	-	0.14	-	-	-
HCM Control Delay (s)	\$ 555	0	-	-	9.5	0	-	0
HCM Lane LOS	F	A	-	-	A	A	-	A
HCM 95th %tile Q(veh)	26.7	0	-	-	0.5	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	489.2											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	665	75	223	868	0	121	0	112	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	3	0	1	0	0	0	3	0	0	0
Mvmt Flow	0	739	83	248	964	0	134	0	124	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	964	0	0	822	0	0	2241	2241	781	2303	2282	964
Stage 1	-	-	-	-	-	-	781	781	-	1460	1460	-
Stage 2	-	-	-	-	-	-	1460	1460	-	843	822	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.23	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.327	3.5	4	3.3
Pot Cap-1 Maneuver	722	-	-	816	-	-	~ 30	43	393	27	40	312
Stage 1	-	-	-	-	-	-	391	408	-	162	196	-
Stage 2	-	-	-	-	-	-	162	196	-	361	391	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	722	-	-	816	-	-	~ 14	15	393	9	14	312
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 14	15	-	9	14	-
Stage 1	-	-	-	-	-	-	391	408	-	162	68	-
Stage 2	-	-	-	-	-	-	~ 56	68	-	247	391	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	2.3	\$ 4322.7	0
HCM LOS			F	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	26	722	-	-	816	-	-	-
HCM Lane V/C Ratio	9.957	-	-	-	0.304	-	-	-
HCM Control Delay (s)	\$ 4322.7	0	-	-	11.3	0	-	0
HCM Lane LOS	F	A	-	-	B	A	-	A
HCM 95th %tile Q(veh)	32.1	0	-	-	1.3	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection						
Int Delay, s/veh	7.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	110	51	161	187	74	198
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	122	57	179	208	82	220
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	179	0	717	151
Stage 1	-	-	-	-	151	-
Stage 2	-	-	-	-	566	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1409	-	399	901
Stage 1	-	-	-	-	882	-
Stage 2	-	-	-	-	572	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1409	-	342	901
Mov Cap-2 Maneuver	-	-	-	-	342	-
Stage 1	-	-	-	-	882	-
Stage 2	-	-	-	-	490	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.7		16.1	
HCM LOS					C	
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	624	-	-	1409	-	
HCM Lane V/C Ratio	0.484	-	-	0.127	-	
HCM Control Delay (s)	16.1	-	-	7.9	0	
HCM Lane LOS	C	-	-	A	A	
HCM 95th %tile Q(veh)	2.6	-	-	0.4	-	

Intersection												
Int Delay, s/veh	36.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	13	217	25	56	413	95	46	119	50	54	88	22
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	1	0	0	1	2	0	1	0	4	0	0
Mvmt Flow	14	241	28	62	459	106	51	132	56	60	98	24
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	564	0	0	269	0	0	981	973	255	1014	934	512
Stage 1	-	-	-	-	-	-	284	284	-	636	636	-
Stage 2	-	-	-	-	-	-	697	689	-	378	298	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.51	6.2	7.14	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.51	-	6.14	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.51	-	6.14	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4.009	3.3	3.536	4	3.3
Pot Cap-1 Maneuver	1018	-	-	1306	-	-	231	253	789	215	268	566
Stage 1	-	-	-	-	-	-	727	678	-	463	475	-
Stage 2	-	-	-	-	-	-	435	448	-	640	671	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1018	-	-	1306	-	-	143	232	789	103	245	566
Mov Cap-2 Maneuver	-	-	-	-	-	-	143	232	-	103	245	-
Stage 1	-	-	-	-	-	-	715	667	-	456	442	-
Stage 2	-	-	-	-	-	-	301	417	-	469	660	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.4			0.8			102.3			127.2		
HCM LOS							F			F		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	239	1018	-	-	1306	-	-	178				
HCM Lane V/C Ratio	1	0.014	-	-	0.048	-	-	1.024				
HCM Control Delay (s)	102.3	8.6	0	-	7.9	0	-	127.2				
HCM Lane LOS	F	A	A	-	A	A	-	F				
HCM 95th %tile Q(veh)	9.5	0	-	-	0.1	-	-	8.5				

Intersection												
Int Delay, s/veh	94.1											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	10	102	4	80	168	146	12	151	82	215	82	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	0	0	0	0	17	4	5	1	0	0
Mvmt Flow	11	113	4	89	187	162	13	168	91	239	91	2

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	349	0	0	118	0	0	630	665	116	713	586	268
Stage 1	-	-	-	-	-	-	138	138	-	446	446	-
Stage 2	-	-	-	-	-	-	492	527	-	267	140	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.27	6.54	6.25	7.11	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.27	5.54	-	6.11	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.27	5.54	-	6.11	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.653	4.036	3.345	3.509	4	3.3
Pot Cap-1 Maneuver	1221	-	-	1483	-	-	374	378	928	348	425	776
Stage 1	-	-	-	-	-	-	830	779	-	593	577	-
Stage 2	-	-	-	-	-	-	531	525	-	741	785	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1221	-	-	1483	-	-	286	346	928	~ 183	389	776
Mov Cap-2 Maneuver	-	-	-	-	-	-	286	346	-	~ 183	389	-
Stage 1	-	-	-	-	-	-	822	771	-	587	533	-
Stage 2	-	-	-	-	-	-	406	485	-	518	777	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.7	1.5	26.5	\$ 307.8
HCM LOS			D	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	432	1221	-	-	1483	-	-	215
HCM Lane V/C Ratio	0.63	0.009	-	-	0.06	-	-	1.545
HCM Control Delay (s)	26.5	8	0	-	7.6	0	-	\$ 307.8
HCM Lane LOS	D	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	4.2	0	-	-	0.2	-	-	20.7

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection						
Int Delay, s/veh	2.3					
Movement	WBL	WBR		NBT	NBR	SBL SBT
Vol, veh/h	67	28		246	47	13 199
Conflicting Peds, #/hr	0	0		0	0	0 0
Sign Control	Stop	Stop		Free	Free	Free Free
RT Channelized	-	None		-	None	- None
Storage Length	0	-		-	-	- -
Veh in Median Storage, #	0	-		0	-	- 0
Grade, %	0	-		0	-	- 0
Peak Hour Factor	90	90		90	90	90 90
Heavy Vehicles, %	0	0		0	4	0 1
Mvmt Flow	74	31		273	52	14 221
Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	549	299		0	0	326 0
Stage 1	299	-		-	-	- -
Stage 2	250	-		-	-	- -
Critical Hdwy	6.4	6.2		-	-	4.1 -
Critical Hdwy Stg 1	5.4	-		-	-	- -
Critical Hdwy Stg 2	5.4	-		-	-	- -
Follow-up Hdwy	3.5	3.3		-	-	2.2 -
Pot Cap-1 Maneuver	500	745		-	-	1245 -
Stage 1	757	-		-	-	- -
Stage 2	796	-		-	-	- -
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	494	745		-	-	1245 -
Mov Cap-2 Maneuver	494	-		-	-	- -
Stage 1	757	-		-	-	- -
Stage 2	786	-		-	-	- -
Approach	WB		NB		SB	
HCM Control Delay, s	13.1		0		0.5	
HCM LOS	B					
Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT	
Capacity (veh/h)	-	-	548	1245	-	
HCM Lane V/C Ratio	-	-	0.193	0.012	-	
HCM Control Delay (s)	-	-	13.1	7.9	0	
HCM Lane LOS	-	-	B	A	A	
HCM 95th %tile Q(veh)	-	-	0.7	0	-	

Intersection												
Int Delay, s/veh	352.5											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	48	501	4	27	662	86	4	84	79	56	69	36
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	1	3	0	0	7	0	0	0
Mvmt Flow	53	557	4	30	736	96	4	93	88	62	77	40

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	831	0	0	561	0	0	1568	1557	559	1599	1511	783
Stage 1	-	-	-	-	-	-	666	666	-	843	843	-
Stage 2	-	-	-	-	-	-	902	891	-	756	668	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.27	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.363	3.5	4	3.3
Pot Cap-1 Maneuver	810	-	-	1020	-	-	91	114	519	87	121	397
Stage 1	-	-	-	-	-	-	452	460	-	361	382	-
Stage 2	-	-	-	-	-	-	335	363	-	403	459	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	810	-	-	1020	-	-	29	97	519	~ 9	103	397
Mov Cap-2 Maneuver	-	-	-	-	-	-	29	97	-	~ 9	103	-
Stage 1	-	-	-	-	-	-	409	416	-	327	361	-
Stage 2	-	-	-	-	-	-	224	343	-	235	415	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.8	0.3	231.7	\$ 3381.6
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	144	810	-	-	1020	-	-	23
HCM Lane V/C Ratio	1.289	0.066	-	-	0.029	-	-	7.778
HCM Control Delay (s)	231.7	9.8	0	-	8.6	0	-	\$ 3381.6
HCM Lane LOS	F	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	11.3	0.2	-	-	0.1	-	-	22.5

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	65.3											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	22	422	10	22	524	92	23	185	28	39	93	43
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	2	0	0	2	0	11	4	5
Mvmt Flow	24	469	11	24	582	102	26	206	31	43	103	48

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	684	0	0	480	0	0	1281	1256	474	1324	1211	633
Stage 1	-	-	-	-	-	-	523	523	-	682	682	-
Stage 2	-	-	-	-	-	-	758	733	-	642	529	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.52	6.2	7.21	6.54	6.25
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.52	-	6.21	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.52	-	6.21	5.54	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4.018	3.3	3.599	4.036	3.345
Pot Cap-1 Maneuver	919	-	-	1093	-	-	144	~ 171	595	127	181	474
Stage 1	-	-	-	-	-	-	541	530	-	425	447	-
Stage 2	-	-	-	-	-	-	402	426	-	448	524	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	919	-	-	1093	-	-	63	~ 159	595	-	168	474
Mov Cap-2 Maneuver	-	-	-	-	-	-	63	~ 159	-	-	168	-
Stage 1	-	-	-	-	-	-	522	511	-	410	431	-
Stage 2	-	-	-	-	-	-	265	411	-	245	505	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0.3	\$ 414.6	
HCM LOS			F	-

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	150	919	-	-	1093	-	-	-
HCM Lane V/C Ratio	1.748	0.027	-	-	0.022	-	-	-
HCM Control Delay (s)	\$ 414.6	9	0	-	8.4	0	-	-
HCM Lane LOS	F	A	A	-	A	A	-	-
HCM 95th %tile Q(veh)	19.2	0.1	-	-	0.1	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	73.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	127	333	18	45	430	56	11	83	50	22	69	161
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	1	3	0	0	0	0	0	1
Mvmt Flow	141	370	20	50	478	62	12	92	56	24	77	179
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	540	0	0	390	0	0	1399	1302	380	1345	1281	509
Stage 1	-	-	-	-	-	-	662	662	-	609	609	-
Stage 2	-	-	-	-	-	-	737	640	-	736	672	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.21
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.309
Pot Cap-1 Maneuver	1039	-	-	1180	-	-	119	162	671	130	167	566
Stage 1	-	-	-	-	-	-	454	462	-	486	488	-
Stage 2	-	-	-	-	-	-	413	473	-	414	458	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1039	-	-	1180	-	-	37	126	671	41	130	566
Mov Cap-2 Maneuver	-	-	-	-	-	-	37	126	-	41	130	-
Stage 1	-	-	-	-	-	-	375	382	-	401	458	-
Stage 2	-	-	-	-	-	-	221	444	-	238	378	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	2.4			0.7			182.3			299.4		
HCM LOS							F			F		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	140	1039	-	-	1180	-	-	186				
HCM Lane V/C Ratio	1.143	0.136	-	-	0.042	-	-	1.505				
HCM Control Delay (s)	182.3	9	0	-	8.2	0	-	299.4				
HCM Lane LOS	F	A	A	-	A	A	-	F				
HCM 95th %tile Q(veh)	9.1	0.5	-	-	0.1	-	-	17.7				

Intersection												
Int Delay, s/veh	7.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	31	39	4	16	82	56	2	35	7	35	53	14
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	50	0	0	0	0	0	0	0	0	0
Mvmt Flow	34	43	4	18	91	62	2	39	8	39	59	16
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	268	195	67	215	199	43	74	0	0	47	0	0
Stage 1	144	144	-	47	47	-	-	-	-	-	-	-
Stage 2	124	51	-	168	152	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.7	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.75	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	689	704	877	746	700	1033	1538	-	-	1573	-	-
Stage 1	864	782	-	972	860	-	-	-	-	-	-	-
Stage 2	885	856	-	839	775	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	569	685	877	692	681	1033	1538	-	-	1573	-	-
Mov Cap-2 Maneuver	569	685	-	692	681	-	-	-	-	-	-	-
Stage 1	863	762	-	971	859	-	-	-	-	-	-	-
Stage 2	743	855	-	767	755	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	11.5			10.9			0.3			2.5		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1538	-	-	638	779	1573	-	-				
HCM Lane V/C Ratio	0.001	-	-	0.129	0.22	0.025	-	-				
HCM Control Delay (s)	7.3	0	-	11.5	10.9	7.3	0	-				
HCM Lane LOS	A	A	-	B	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	0.4	0.8	0.1	-	-				

Intersection												
Int Delay, s/veh	9.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	13	95	9	56	148	69	15	112	23	16	89	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	0	0	0	0	0	0	0	0	2	0
Mvmt Flow	14	106	10	62	164	77	17	124	26	18	99	0
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	425	317	99	363	305	137	99	0	0	150	0	0
Stage 1	134	134	-	171	171	-	-	-	-	-	-	-
Stage 2	291	183	-	192	134	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.52	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.52	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.52	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.018	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	543	599	962	597	612	917	1507	-	-	1444	-	-
Stage 1	874	785	-	836	761	-	-	-	-	-	-	-
Stage 2	721	748	-	814	789	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	385	584	962	499	597	917	1507	-	-	1444	-	-
Mov Cap-2 Maneuver	385	584	-	499	597	-	-	-	-	-	-	-
Stage 1	864	775	-	826	752	-	-	-	-	-	-	-
Stage 2	510	739	-	687	779	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	13.2			16			0.7			1.1		
HCM LOS	B			C								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1507	-	-	569	627	1444	-	-				
HCM Lane V/C Ratio	0.011	-	-	0.228	0.484	0.012	-	-				
HCM Control Delay (s)	7.4	0	-	13.2	16	7.5	0	-				
HCM Lane LOS	A	A	-	B	C	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	0.9	2.6	0	-	-				

Intersection												
Int Delay, s/veh	3.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	20	140	6	23	296	83	2	35	6	14	47	24
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	1	33	0	0	0	0	0	0	0	4	0
Mvmt Flow	22	156	7	26	329	92	2	39	7	16	52	27
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	421	0	0	162	0	0	669	675	159	652	633	375
Stage 1	-	-	-	-	-	-	203	203	-	426	426	-
Stage 2	-	-	-	-	-	-	466	472	-	226	207	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.54	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.54	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4.036	3.3
Pot Cap-1 Maneuver	1149	-	-	1429	-	-	374	378	892	384	394	676
Stage 1	-	-	-	-	-	-	804	737	-	610	582	-
Stage 2	-	-	-	-	-	-	581	562	-	781	727	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1149	-	-	1429	-	-	310	361	892	338	376	676
Mov Cap-2 Maneuver	-	-	-	-	-	-	310	361	-	338	376	-
Stage 1	-	-	-	-	-	-	787	722	-	597	568	-
Stage 2	-	-	-	-	-	-	495	549	-	718	712	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	1			0.4			15.5			16		
HCM LOS							C			C		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	390	1149	-	-	1429	-	-	421				
HCM Lane V/C Ratio	0.123	0.019	-	-	0.018	-	-	0.224				
HCM Control Delay (s)	15.5	8.2	0	-	7.6	0	-	16				
HCM Lane LOS	C	A	A	-	A	A	-	C				
HCM 95th %tile Q(veh)	0.4	0.1	-	-	0.1	-	-	0.8				

Intersection												
Int Delay, s/veh	5.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	10	40	2	9	58	5	0	39	5	0	60	10
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	9	0	0	6	0	0	0	0	0	0	17
Mvmt Flow	11	44	2	10	64	6	0	43	6	0	67	11
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	153	121	72	142	124	46	78	0	0	49	0	0
Stage 1	72	72	-	46	46	-	-	-	-	-	-	-
Stage 2	81	49	-	96	78	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.59	6.2	7.1	6.56	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.59	-	6.1	5.56	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.59	-	6.1	5.56	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.081	3.3	3.5	4.054	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	819	756	996	832	759	1029	1533	-	-	1571	-	-
Stage 1	943	821	-	973	849	-	-	-	-	-	-	-
Stage 2	932	840	-	916	822	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	762	756	996	793	759	1029	1533	-	-	1571	-	-
Mov Cap-2 Maneuver	762	756	-	793	759	-	-	-	-	-	-	-
Stage 1	943	821	-	973	849	-	-	-	-	-	-	-
Stage 2	857	840	-	864	822	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	10.1			10.2			0			0		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1533	-	-	764	777	1571	-	-				
HCM Lane V/C Ratio	-	-	-	0.076	0.103	-	-	-				
HCM Control Delay (s)	0	-	-	10.1	10.2	0	-	-				
HCM Lane LOS	A	-	-	B	B	A	-	-				
HCM 95th %tile Q(veh)	0	-	-	0.2	0.3	0	-	-				

Intersection												
Int Delay, s/veh	5.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	11	36	0	16	67	11	4	98	11	16	65	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	5	0	0	8	0	0	2	0	11	3	0
Mvmt Flow	12	40	0	18	74	12	4	109	12	18	72	4
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	277	240	74	254	236	115	77	0	0	121	0	0
Stage 1	110	110	-	124	124	-	-	-	-	-	-	-
Stage 2	167	130	-	130	112	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.55	6.2	7.1	6.58	6.2	4.1	-	-	4.21	-	-
Critical Hdwy Stg 1	6.1	5.55	-	6.1	5.58	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.55	-	6.1	5.58	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.045	3.3	3.5	4.072	3.3	2.2	-	-	2.299	-	-
Pot Cap-1 Maneuver	679	656	993	703	654	943	1535	-	-	1412	-	-
Stage 1	900	799	-	885	782	-	-	-	-	-	-	-
Stage 2	840	783	-	878	791	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	604	646	993	662	644	943	1535	-	-	1412	-	-
Mov Cap-2 Maneuver	604	646	-	662	644	-	-	-	-	-	-	-
Stage 1	897	789	-	882	780	-	-	-	-	-	-	-
Stage 2	748	781	-	823	781	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	11.2			11.3			0.3			1.4		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1535	-	-	636	672	1412	-	-				
HCM Lane V/C Ratio	0.003	-	-	0.082	0.155	0.013	-	-				
HCM Control Delay (s)	7.4	0	-	11.2	11.3	7.6	0	-				
HCM Lane LOS	A	A	-	B	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	0.3	0.5	0	-	-				

Intersection												
Int Delay, s/veh	4.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	2	76	0	65	116	22	0	21	23	14	32	5
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	5	0	0	0	0	25	0	0
Mvmt Flow	2	84	0	72	129	24	0	23	26	16	36	6
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	153	0	0	84	0	0	395	387	84	399	375	141
Stage 1	-	-	-	-	-	-	89	89	-	286	286	-
Stage 2	-	-	-	-	-	-	306	298	-	113	89	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.35	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.35	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.35	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.725	4	3.3
Pot Cap-1 Maneuver	1440	-	-	1526	-	-	568	551	981	522	559	912
Stage 1	-	-	-	-	-	-	923	825	-	674	679	-
Stage 2	-	-	-	-	-	-	708	671	-	839	825	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1440	-	-	1526	-	-	514	522	981	471	529	912
Mov Cap-2 Maneuver	-	-	-	-	-	-	514	522	-	471	529	-
Stage 1	-	-	-	-	-	-	922	824	-	673	644	-
Stage 2	-	-	-	-	-	-	630	636	-	793	824	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.2			2.4			10.6			12.6		
HCM LOS							B			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	691	1440	-	-	1526	-	-	533				
HCM Lane V/C Ratio	0.071	0.002	-	-	0.047	-	-	0.106				
HCM Control Delay (s)	10.6	7.5	0	-	7.5	0	-	12.6				
HCM Lane LOS	B	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.2	0	-	-	0.1	-	-	0.4				

Intersection						
Int Delay, s/veh	16.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	109	248	297	202	159	102
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	1	0	3	2
Mvmt Flow	121	276	330	224	177	113
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	554	0	-	0	960	442
Stage 1	-	-	-	-	442	-
Stage 2	-	-	-	-	518	-
Critical Hdwy	4.12	-	-	-	6.43	6.22
Critical Hdwy Stg 1	-	-	-	-	5.43	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	2.218	-	-	-	3.527	3.318
Pot Cap-1 Maneuver	1016	-	-	-	284	615
Stage 1	-	-	-	-	646	-
Stage 2	-	-	-	-	596	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	1016	-	-	-	244	615
Mov Cap-2 Maneuver	-	-	-	-	244	-
Stage 1	-	-	-	-	646	-
Stage 2	-	-	-	-	512	-
Approach	EB		WB		SB	
HCM Control Delay, s	2.8		0		66.8	
HCM LOS					F	
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	1016	-	-	-	319	
HCM Lane V/C Ratio	0.119	-	-	-	0.909	
HCM Control Delay (s)	9	0	-	-	66.8	
HCM Lane LOS	A	A	-	-	F	
HCM 95th %tile Q(veh)	0.4	-	-	-	8.8	

Intersection												
Int Delay, s/veh	4.1											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	7	191	110	87	60	235	45	109	70	669	226	10
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	3	30	0	0	0	0	0	0	0
Mvmt Flow	8	212	122	97	67	261	50	121	78	743	251	11

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	2167	2042	257	2171	2009	160	262	0	0	199	0	0
Stage 1	1743	1743	-	260	260	-	-	-	-	-	-	-
Stage 2	424	299	-	1911	1749	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.13	6.8	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.13	5.8	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.13	5.8	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.527	4.27	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	34	~ 57	787	~ 33	~ 50	890	1314	-	-	1385	-	-
Stage 1	111	~ 142	-	743	644	-	-	-	-	-	-	-
Stage 2	612	670	-	~ 87	119	-	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	~ 20	787	-	~ 18	890	1314	-	-	1385	-	-
Mov Cap-2 Maneuver	-	~ 20	-	-	~ 18	-	-	-	-	-	-	-
Stage 1	106	~ 53	-	711	616	-	-	-	-	-	-	-
Stage 2	369	641	-	-	~ 44	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s			1.6	7.8
HCM LOS	-	-		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1314	-	-	-	1385	-	-
HCM Lane V/C Ratio	0.038	-	-	-	0.537	-	-
HCM Control Delay (s)	7.8	0	-	-	10.6	0	-
HCM Lane LOS	A	A	-	-	B	A	-
HCM 95th %tile Q(veh)	0.1	-	-	-	3.3	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	2275.8											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	1070	71	205	393	64	28	16	172	231	200	5
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	250	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	3	7	17	11	13	33	0	13	1	2	100
Mvmt Flow	0	1189	79	228	437	71	31	18	191	257	222	6

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	437	0	0	1268	0	0	2234	2120	1228	2225	2160	437
Stage 1	-	-	-	-	-	-	1228	1228	-	892	892	-
Stage 2	-	-	-	-	-	-	1006	892	-	1333	1268	-
Critical Hdwy	4.1	-	-	4.27	-	-	7.43	6.5	6.33	7.11	6.52	7.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.43	5.5	-	6.11	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.43	5.5	-	6.11	5.52	-
Follow-up Hdwy	2.2	-	-	2.353	-	-	3.797	4	3.417	3.509	4.018	4.2
Pot Cap-1 Maneuver	1134	-	-	500	-	-	~ 25	51	206	~ 31	~ 47	457
Stage 1	-	-	-	-	-	-	189	253	-	338	360	-
Stage 2	-	-	-	-	-	-	255	363	-	~ 191	240	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1134	-	-	500	-	-	-	18	206	0	~ 17	457
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	18	-	0	~ 17	-
Stage 1	-	-	-	-	-	-	189	253	-	338	~ 129	-
Stage 2	-	-	-	-	-	-	-	130	-	~ 13	240	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	5.6		\$ 12806
HCM LOS			-	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1134	-	-	500	-	-	17
HCM Lane V/C Ratio	-	-	-	-	0.456	-	-	28.497
HCM Control Delay (s)	-	0	-	-	18.1	0		\$ 12806
HCM Lane LOS	-	A	-	-	C	A	-	F
HCM 95th %tile Q(veh)	-	0	-	-	2.3	-	-	61.4

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection	
Int Delay, s/veh	1680.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	103	1009	399	112	549	233
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	30	2	10	22	3	6
Mvmt Flow	114	1121	443	124	610	259

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	568	0	1856
Stage 1	-	-	506
Stage 2	-	-	1350
Critical Hdwy	4.4	-	6.43
Critical Hdwy Stg 1	-	-	5.43
Critical Hdwy Stg 2	-	-	5.43
Follow-up Hdwy	2.47	-	3.527
Pot Cap-1 Maneuver	879	-	~ 80
Stage 1	-	-	~ 603
Stage 2	-	-	~ 240
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	879	-	~ 52
Mov Cap-2 Maneuver	-	-	~ 52
Stage 1	-	-	~ 603
Stage 2	-	-	~ 157

Approach	EB	WB	SB
HCM Control Delay, s	0.9	0	\$ 5167.4
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	879	-	-	-	71
HCM Lane V/C Ratio	0.13	-	-	-	12.238
HCM Control Delay (s)	9.7	0	-	-	\$ 5167.4
HCM Lane LOS	A	A	-	-	F
HCM 95th %tile Q(veh)	0.4	-	-	-	102.9

Notes			
~: Volume exceeds capacity	\$: Delay exceeds 300s	+: Computation Not Defined	*: All major volume in platoon

Intersection												
Int Delay, s/veh	158.6											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	939	267	152	476	0	70	0	144	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	2	12	9	0	4	100	25	0	0	0
Mvmt Flow	0	1043	297	169	529	0	78	0	160	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	529	0	0	1340	0	0	2059	2059	1192	2139	2207	529
Stage 1	-	-	-	-	-	-	1192	1192	-	867	867	-
Stage 2	-	-	-	-	-	-	867	867	-	1272	1340	-
Critical Hdwy	4.1	-	-	4.22	-	-	7.14	7.5	6.45	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.14	6.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.14	6.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.308	-	-	3.536	4.9	3.525	3.5	4	3.3
Pot Cap-1 Maneuver	1048	-	-	483	-	-	~ 40	30	205	36	45	554
Stage 1	-	-	-	-	-	-	226	173	-	350	373	-
Stage 2	-	-	-	-	-	-	345	262	-	208	223	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1048	-	-	483	-	-	~ 24	15	205	5	23	554
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 24	15	-	5	23	-
Stage 1	-	-	-	-	-	-	226	173	-	350	188	-
Stage 2	-	-	-	-	-	-	174	132	-	46	223	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	4	\$ 1506.4	0
HCM LOS			F	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	59	1048	-	-	483	-	-	-
HCM Lane V/C Ratio	4.03	-	-	-	0.35	-	-	-
HCM Control Delay (s)	\$ 1506.4	0	-	-	16.4	0	-	0
HCM Lane LOS	F	A	-	-	C	A	-	A
HCM 95th %tile Q(veh)	25.8	0	-	-	1.6	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	1627.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	1607	209	119	733	0	41	0	372	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	2	2	6	0	7	0	1	0	0	0
Mvmt Flow	0	1786	232	132	814	0	46	0	413	0	0	0
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	814	0	0	2018	0	0	2981	2981	1902	3187	3097	814
Stage 1	-	-	-	-	-	-	1902	1902	-	1079	1079	-
Stage 2	-	-	-	-	-	-	1079	1079	-	2108	2018	-
Critical Hdwy	4.1	-	-	4.12	-	-	7.17	6.5	6.21	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.17	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.17	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.218	-	-	3.563	4	3.309	3.5	4	3.3
Pot Cap-1 Maneuver	822	-	-	282	-	-	~ 8	14	~ 87	6	12	381
Stage 1	-	-	-	-	-	-	86	118	-	267	297	-
Stage 2	-	-	-	-	-	-	259	297	-	68	103	-
Platoon blocked, %												
Mov Cap-1 Maneuver	822	-	-	282	-	-	~ 2	2	~ 87	-	2	381
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 2	2	-	-	2	-
Stage 1	-	-	-	-	-	-	86	118	-	267	43	-
Stage 2	-	-	-	-	-	-	~ 38	43	-	-	103	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			4			\$ 12129.7			0		
HCM LOS							F			A		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	17	822	-	-	282	-	-	-				
HCM Lane V/C Ratio	26.993	-	-	-	0.469	-	-	-				
HCM Control Delay (s)	\$ 12129.7	0	-	-	28.5	0	-	0				
HCM Lane LOS	F	A	-	-	D	A	-	A				
HCM 95th %tile Q(veh)	58.2	0	-	-	2.4	-	-	-				
Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection						
Int Delay, s/veh	6.5					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	225	118	193	94	48	165
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	5	4	1	2	9	0
Mvmt Flow	250	131	214	104	53	183
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	381	0	849	316
Stage 1	-	-	-	-	316	-
Stage 2	-	-	-	-	533	-
Critical Hdwy	-	-	4.11	-	6.49	6.2
Critical Hdwy Stg 1	-	-	-	-	5.49	-
Critical Hdwy Stg 2	-	-	-	-	5.49	-
Follow-up Hdwy	-	-	2.209	-	3.581	3.3
Pot Cap-1 Maneuver	-	-	1183	-	322	729
Stage 1	-	-	-	-	724	-
Stage 2	-	-	-	-	575	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1183	-	260	729
Mov Cap-2 Maneuver	-	-	-	-	260	-
Stage 1	-	-	-	-	724	-
Stage 2	-	-	-	-	465	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		5.9		17.7	
HCM LOS					C	
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	518	-	-	1183	-	
HCM Lane V/C Ratio	0.457	-	-	0.181	-	
HCM Control Delay (s)	17.7	-	-	8.7	0	
HCM Lane LOS	C	-	-	A	A	
HCM 95th %tile Q(veh)	2.4	-	-	0.7	-	

Intersection												
Int Delay, s/veh	373.8											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	32	694	52	21	194	62	13	75	61	174	212	16
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	1	0	0	4	0	20	3	0	3	0	0
Mvmt Flow	36	771	58	23	216	69	14	83	68	193	236	18

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	284	0	0	829	0	0	1294	1202	800	1244	1197	250
Stage 1	-	-	-	-	-	-	871	871	-	297	297	-
Stage 2	-	-	-	-	-	-	423	331	-	947	900	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.3	6.53	6.2	7.13	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.3	5.53	-	6.13	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.3	5.53	-	6.13	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.68	4.027	3.3	3.527	4	3.3
Pot Cap-1 Maneuver	1290	-	-	811	-	-	128	184	388	~ 150	~ 187	794
Stage 1	-	-	-	-	-	-	322	367	-	709	671	-
Stage 2	-	-	-	-	-	-	575	643	-	312	360	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1290	-	-	811	-	-	-	169	388	~ 71	~ 171	794
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	169	-	~ 71	~ 171	-
Stage 1	-	-	-	-	-	-	305	348	-	672	648	-
Stage 2	-	-	-	-	-	-	346	621	-	~ 186	341	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.3	0.7		\$ 1492.1
HCM LOS			-	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1290	-	-	811	-	-	108
HCM Lane V/C Ratio	-	0.028	-	-	0.029	-	-	4.136
HCM Control Delay (s)	-	7.9	0	-	9.6	0		\$ 1492.1
HCM Lane LOS	-	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	-	0.1	-	-	0.1	-	-	46

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	769											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	5	235	5	100	158	45	10	106	100	393	423	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	4	0	3	2	19	0	18	8	3	8	0
Mvmt Flow	6	261	6	111	176	50	11	118	111	437	470	14

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	226	0	0	267	0	0	940	723	264	812	701	201
Stage 1	-	-	-	-	-	-	275	275	-	423	423	-
Stage 2	-	-	-	-	-	-	665	448	-	389	278	-
Critical Hdwy	4.1	-	-	4.13	-	-	7.1	6.68	6.28	7.13	6.58	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.68	-	6.13	5.58	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.68	-	6.13	5.58	-
Follow-up Hdwy	2.2	-	-	2.227	-	-	3.5	4.162	3.372	3.527	4.072	3.3
Pot Cap-1 Maneuver	1354	-	-	1291	-	-	246	334	760	~ 296	~ 356	845
Stage 1	-	-	-	-	-	-	736	654	-	607	577	-
Stage 2	-	-	-	-	-	-	453	547	-	633	670	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1354	-	-	1291	-	-	-	299	760	~ 162	~ 319	845
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	299	-	~ 162	~ 319	-
Stage 1	-	-	-	-	-	-	732	651	-	604	520	-
Stage 2	-	-	-	-	-	-	39	493	-	440	667	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	2.7		\$ 1476.6
HCM LOS			-	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1354	-	-	1291	-	-	220
HCM Lane V/C Ratio	-	0.004	-	-	0.086	-	-	4.187
HCM Control Delay (s)	-	7.7	0	-	8.1	0		\$ 1476.6
HCM Lane LOS	-	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	-	0	-	-	0.3	-	-	91.4

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection

Int Delay, s/veh 2.3

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Vol, veh/h	58	25	202	107	45	262
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	0	0	3	0	0	1
Mvmt Flow	64	28	224	119	50	291

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	675	284	0
Stage 1	284	-	-
Stage 2	391	-	-
Critical Hdwy	6.4	6.2	4.1
Critical Hdwy Stg 1	5.4	-	-
Critical Hdwy Stg 2	5.4	-	-
Follow-up Hdwy	3.5	3.3	2.2
Pot Cap-1 Maneuver	422	760	1227
Stage 1	769	-	-
Stage 2	688	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	401	760	1227
Mov Cap-2 Maneuver	401	-	-
Stage 1	769	-	-
Stage 2	654	-	-

Approach	WB	NB	SB
HCM Control Delay, s	14.6	0	1.2
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	468	1227
HCM Lane V/C Ratio	-	-	0.197	0.041
HCM Control Delay (s)	-	-	14.6	8.1
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.7	0.1

Intersection												
Int Delay, s/veh	689.8											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	80	766	15	13	523	38	8	47	58	174	89	18
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	0	40	8	7	33	0	11	0	0	0
Mvmt Flow	89	851	17	14	581	42	9	52	64	193	99	20

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	623	0	0	868	0	0	1728	1689	859	1727	1677	602
Stage 1	-	-	-	-	-	-	1037	1037	-	631	631	-
Stage 2	-	-	-	-	-	-	691	652	-	1096	1046	-
Critical Hdwy	4.1	-	-	4.5	-	-	7.43	6.5	6.31	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.43	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.43	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.56	-	-	3.797	4	3.399	3.5	4	3.3
Pot Cap-1 Maneuver	968	-	-	637	-	-	58	94	343	~ 70	~ 96	503
Stage 1	-	-	-	-	-	-	245	311	-	472	477	-
Stage 2	-	-	-	-	-	-	389	467	-	261	308	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	968	-	-	637	-	-	-	75	343	~ 21	~ 76	503
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	75	-	~ 21	~ 76	-
Stage 1	-	-	-	-	-	-	201	256	-	388	461	-
Stage 2	-	-	-	-	-	-	283	451	-	~ 139	253	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.8	0.2		\$ 4487.2
HCM LOS			-	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	968	-	-	637	-	-	30
HCM Lane V/C Ratio	-	0.092	-	-	0.023	-	-	10.407
HCM Control Delay (s)	-	9.1	0	-	10.8	0		\$ 4487.2
HCM Lane LOS	-	A	A	-	B	A	-	F
HCM 95th %tile Q(veh)	-	0.3	-	-	0.1	-	-	38.3

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	0.4											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	18	654	30	53	421	11	14	118	43	322	195	45
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	14	2	15	10	8	0	17	2	0	0	4	0
Mvmt Flow	20	727	33	59	468	12	16	131	48	358	217	50

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	480	0	0	760	0	0	1508	1381	743	1465	1392	474
Stage 1	-	-	-	-	-	-	783	783	-	592	592	-
Stage 2	-	-	-	-	-	-	725	598	-	873	800	-
Critical Hdwy	4.24	-	-	4.2	-	-	7.27	6.52	6.2	7.1	6.54	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.27	5.52	-	6.1	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.27	5.52	-	6.1	5.54	-
Follow-up Hdwy	2.326	-	-	2.29	-	-	3.653	4.018	3.3	3.5	4.036	3.3
Pot Cap-1 Maneuver	1023	-	-	817	-	-	92	144	418	~ 107	~ 141	595
Stage 1	-	-	-	-	-	-	365	404	-	496	491	-
Stage 2	-	-	-	-	-	-	394	491	-	~ 348	394	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1023	-	-	817	-	-	- ~ 125	418	-	- ~ 123	595	-
Mov Cap-2 Maneuver	-	-	-	-	-	-	- ~ 125	-	-	- ~ 123	-	-
Stage 1	-	-	-	-	-	-	353	390	-	479	442	-
Stage 2	-	-	-	-	-	-	166	442	-	~ 198	381	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.2	1.1		
HCM LOS			-	-

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	1023	-	-	817	-	-	-
HCM Lane V/C Ratio	-	0.02	-	-	0.072	-	-	-
HCM Control Delay (s)	-	8.6	0	-	9.7	0	-	-
HCM Lane LOS	-	A	A	-	A	A	-	-
HCM 95th %tile Q(veh)	-	0.1	-	-	0.2	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh		1.7										
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	187	485	101	123	264	36	17	116	92	18	101	110
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	4	0	8	19	0	0	2	0	2	0
Mvmt Flow	208	539	112	137	293	40	19	129	102	20	112	122
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	333	0	0	651	0	0	1715	1618	595	1713	1654	313
Stage 1	-	-	-	-	-	-	1011	1011	-	587	587	-
Stage 2	-	-	-	-	-	-	704	607	-	1126	1067	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.22	7.1	6.52	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.52	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.318	3.5	4.018	3.3
Pot Cap-1 Maneuver	1238	-	-	945	-	-	72 ~ 104	504		72 ~ 98		732
Stage 1	-	-	-	-	-	-	291	320	-	499	497	-
Stage 2	-	-	-	-	-	-	431	489	-	251	299	-
Platoon blocked, %			-			-						
Mov Cap-1 Maneuver	1238	-	-	945	-	-	- ~ 63	504		- ~ 59		732
Mov Cap-2 Maneuver	-	-	-	-	-	-	- ~ 63	-		- ~ 59		-
Stage 1	-	-	-	-	-	-	213	234	-	365	408	-
Stage 2	-	-	-	-	-	-	214	401	-	66	219	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	2.1			2.7								
HCM LOS							-			-		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	-	1238	-	-	945	-	-	-				
HCM Lane V/C Ratio	-	0.168	-	-	0.145	-	-	-				
HCM Control Delay (s)	-	8.5	0	-	9.5	0	-	-				
HCM Lane LOS	-	A	A	-	A	A	-	-				
HCM 95th %tile Q(veh)	-	0.6	-	-	0.5	-	-	-				
Notes												
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined			*: All major volume in platoon					

Intersection												
Int Delay, s/veh	23.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	105	186	10	4	54	136	0	112	17	116	50	39
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	6	0	0	8	2	0	6	0	2	0	0
Mvmt Flow	117	207	11	4	60	151	0	124	19	129	56	43
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	574	478	77	578	491	134	99	0	0	143	0	0
Stage 1	335	335	-	134	134	-	-	-	-	-	-	-
Stage 2	239	143	-	444	357	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.56	6.2	7.1	6.58	6.22	4.1	-	-	4.12	-	-
Critical Hdwy Stg 1	6.1	5.56	-	6.1	5.58	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.56	-	6.1	5.58	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.054	3.3	3.5	4.072	3.318	2.2	-	-	2.218	-	-
Pot Cap-1 Maneuver	433	481	990	430	470	915	1507	-	-	1440	-	-
Stage 1	683	635	-	874	774	-	-	-	-	-	-	-
Stage 2	769	771	-	597	618	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	299	435	990	249	425	915	1507	-	-	1440	-	-
Mov Cap-2 Maneuver	299	435	-	249	425	-	-	-	-	-	-	-
Stage 1	683	575	-	874	774	-	-	-	-	-	-	-
Stage 2	592	771	-	342	559	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	53.5			13			0			4.4		
HCM LOS	F			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1507	-	-	382	665	1440	-	-				
HCM Lane V/C Ratio	-	-	-	0.876	0.324	0.09	-	-				
HCM Control Delay (s)	0	-	-	53.5	13	7.7	0	-				
HCM Lane LOS	A	-	-	F	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	8.6	1.4	0.3	-	-				

Intersection												
Int Delay, s/veh	106.1											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	19	306	27	35	174	14	45	110	49	75	145	32
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	4	0	27	4	0	0	2	5	0	2	7
Mvmt Flow	21	340	30	39	193	16	50	122	54	83	161	36

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	700	623	179	780	612	149	197	0	0	177	0	0
Stage 1	346	346	-	249	249	-	-	-	-	-	-	-
Stage 2	354	277	-	531	363	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.54	6.2	7.37	6.54	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.54	-	6.37	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.54	-	6.37	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.036	3.3	3.743	4.036	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	357	400	869	284	406	903	1388	-	-	1411	-	-
Stage 1	674	632	-	703	697	-	-	-	-	-	-	-
Stage 2	667	678	-	489	621	-	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	189	359	869	40	364	903	1388	-	-	1411	-	-
Mov Cap-2 Maneuver	189	359	-	40	364	-	-	-	-	-	-	-
Stage 1	647	590	-	675	669	-	-	-	-	-	-	-
Stage 2	447	651	-	187	580	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	109.2	\$ 313.8	1.7	2.3
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1388	-	-	358 163	1411	-	-
HCM Lane V/C Ratio	0.036	-	-	1.092 1.52	0.059	-	-
HCM Control Delay (s)	7.7	0	-	109.2 \$ 313.8	7.7	0	-
HCM Lane LOS	A	A	-	F F	A	A	-
HCM 95th %tile Q(veh)	0.1	-	-	14.4 16.3	0.2	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	10.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	43	413	2	14	183	17	5	31	37	118	27	43
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	6	3	100	0	7	0	0	0	0	0	0	0
Mvmt Flow	48	459	2	16	203	19	6	34	41	131	30	48
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	222	0	0	461	0	0	839	809	460	837	801	213
Stage 1	-	-	-	-	-	-	556	556	-	244	244	-
Stage 2	-	-	-	-	-	-	283	253	-	593	557	-
Critical Hdwy	4.16	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.254	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1324	-	-	1111	-	-	288	317	605	288	320	832
Stage 1	-	-	-	-	-	-	519	516	-	764	708	-
Stage 2	-	-	-	-	-	-	728	701	-	496	515	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1324	-	-	1111	-	-	239	297	605	233	299	832
Mov Cap-2 Maneuver	-	-	-	-	-	-	239	297	-	233	299	-
Stage 1	-	-	-	-	-	-	494	491	-	727	697	-
Stage 2	-	-	-	-	-	-	646	690	-	409	490	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.7			0.5			16.6			43.8		
HCM LOS							C			E		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	392	1324	-	-	1111	-	-	290				
HCM Lane V/C Ratio	0.207	0.036	-	-	0.014	-	-	0.72				
HCM Control Delay (s)	16.6	7.8	0	-	8.3	0	-	43.8				
HCM Lane LOS	C	A	A	-	A	A	-	E				
HCM 95th %tile Q(veh)	0.8	0.1	-	-	0	-	-	5.1				

Intersection												
Int Delay, s/veh	6.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	40	62	0	2	52	12	0	68	12	14	36	16
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	5	7	0	0	12	0	0	3	0	0	0	0
Mvmt Flow	44	69	0	2	58	13	0	76	13	16	40	18
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	198	169	49	196	171	82	58	0	0	89	0	0
Stage 1	80	80	-	82	82	-	-	-	-	-	-	-
Stage 2	118	89	-	114	89	-	-	-	-	-	-	-
Critical Hdwy	7.15	6.57	6.2	7.1	6.62	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.15	5.57	-	6.1	5.62	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.15	5.57	-	6.1	5.62	-	-	-	-	-	-	-
Follow-up Hdwy	3.545	4.063	3.3	3.5	4.108	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	754	715	1025	767	704	983	1559	-	-	1519	-	-
Stage 1	921	819	-	931	808	-	-	-	-	-	-	-
Stage 2	879	811	-	896	802	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	691	707	1025	704	696	983	1559	-	-	1519	-	-
Mov Cap-2 Maneuver	691	707	-	704	696	-	-	-	-	-	-	-
Stage 1	921	810	-	931	808	-	-	-	-	-	-	-
Stage 2	805	811	-	811	793	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	11.1			10.4			0			1.6		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1559	-	-	701	735	1519	-	-				
HCM Lane V/C Ratio	-	-	-	0.162	0.1	0.01	-	-				
HCM Control Delay (s)	0	-	-	11.1	10.4	7.4	0	-				
HCM Lane LOS	A	-	-	B	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	0.6	0.3	0	-	-				

Intersection												
Int Delay, s/veh	5.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	4	84	6	27	54	4	8	87	17	22	130	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	5	0	7	12	0	0	5	13	0	0	0
Mvmt Flow	4	93	7	30	60	4	9	97	19	24	144	4
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	352	329	147	370	322	106	149	0	0	116	0	0
Stage 1	196	196	-	124	124	-	-	-	-	-	-	-
Stage 2	156	133	-	246	198	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.55	6.2	7.17	6.62	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.55	-	6.17	5.62	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.55	-	6.17	5.62	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.045	3.3	3.563	4.108	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	607	585	905	577	579	954	1445	-	-	1485	-	-
Stage 1	810	733	-	868	774	-	-	-	-	-	-	-
Stage 2	851	781	-	747	719	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	545	570	905	491	565	954	1445	-	-	1485	-	-
Mov Cap-2 Maneuver	545	570	-	491	565	-	-	-	-	-	-	-
Stage 1	804	720	-	862	769	-	-	-	-	-	-	-
Stage 2	775	776	-	634	706	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	12.5			12.9			0.5			1.1		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1445	-	-	583	549	1485	-	-				
HCM Lane V/C Ratio	0.006	-	-	0.179	0.172	0.016	-	-				
HCM Control Delay (s)	7.5	0	-	12.5	12.9	7.5	0	-				
HCM Lane LOS	A	A	-	B	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	0.6	0.6	0.1	-	-				

Intersection												
Int Delay, s/veh		3.5										
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	2	170	0	17	67	13	4	14	62	15	8	11
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	3	0	0	13	0	0	0	3	14	25	0
Mvmt Flow	2	189	0	19	74	14	4	16	69	17	9	12
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	89	0	0	189	0	0	323	320	189	355	312	82
Stage 1	-	-	-	-	-	-	193	193	-	119	119	-
Stage 2	-	-	-	-	-	-	130	127	-	236	193	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.23	7.24	6.75	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.24	5.75	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.24	5.75	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.327	3.626	4.225	3.3
Pot Cap-1 Maneuver	1519	-	-	1397	-	-	634	600	850	578	567	983
Stage 1	-	-	-	-	-	-	813	745	-	857	755	-
Stage 2	-	-	-	-	-	-	878	795	-	741	700	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1519	-	-	1397	-	-	611	591	850	515	559	983
Mov Cap-2 Maneuver	-	-	-	-	-	-	611	591	-	515	559	-
Stage 1	-	-	-	-	-	-	812	744	-	856	744	-
Stage 2	-	-	-	-	-	-	845	784	-	666	699	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			1.3			10.2			11.2		
HCM LOS							B			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	775	1519	-	-	1397	-	-	622				
HCM Lane V/C Ratio	0.115	0.001	-	-	0.014	-	-	0.061				
HCM Control Delay (s)	10.2	7.4	0	-	7.6	0	-	11.2				
HCM Lane LOS	B	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.4	0	-	-	0	-	-	0.2				

Intersection

Int Delay, s/veh 272.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	127	448	203	95	414	161
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	6	5	4	9	1	5
Mvmt Flow	141	498	226	106	460	179

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	331	0	1058
Stage 1	-	-	278
Stage 2	-	-	780
Critical Hdwy	4.16	-	6.41
Critical Hdwy Stg 1	-	-	5.41
Critical Hdwy Stg 2	-	-	5.41
Follow-up Hdwy	2.254	-	3.509
Pot Cap-1 Maneuver	1206	-	~ 250
Stage 1	-	-	771
Stage 2	-	-	~ 454
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	1206	-	~ 210
Mov Cap-2 Maneuver	-	-	~ 210
Stage 1	-	-	771
Stage 2	-	-	~ 380

Approach	EB	WB	SB
HCM Control Delay, s	1.9	0	\$ 684.3
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1206	-	-	-	263
HCM Lane V/C Ratio	0.117	-	-	-	2.429
HCM Control Delay (s)	8.4	0	-	-	\$ 684.3
HCM Lane LOS	A	A	-	-	F
HCM 95th %tile Q(veh)	0.4	-	-	-	51.6

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection												
Int Delay, s/veh	2.7											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	191	38	39	68	613	80	174	42	467	117	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	0	0	3	2	7	0	2	33
Mvmt Flow	0	212	42	43	76	681	89	193	47	519	130	8

Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1945	1590	134	1693	1570	217	138	0	0	240	0	0
Stage 1	1172	1172	-	394	394	-	-	-	-	-	-	-
Stage 2	773	418	-	1299	1176	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.1	6.5	6.2	4.13	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.227	-	-	2.2	-	-
Pot Cap-1 Maneuver	49 ~ 109	920		74	112	828	1440	-	-	1339	-	-
Stage 1	237	269	-	635	609	-	-	-	-	-	-	-
Stage 2	395	594	-	200	267	-	-	-	-	-	-	-
Platoon blocked, %							-	-		-	-	-
Mov Cap-1 Maneuver	- ~ 59	920		- ~ 60	828		1440	-	-	1339	-	-
Mov Cap-2 Maneuver	- ~ 59			- ~ 60			-	-	-	-	-	-
Stage 1	220 ~ 156			589	565	-	-	-	-	-	-	-
Stage 2	56	551	-	-	155	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s			2.1	7.4
HCM LOS	-	-		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	1440	-	-	-	1339	-	-
HCM Lane V/C Ratio	0.062	-	-	-	0.388	-	-
HCM Control Delay (s)	7.7	0	-	-	9.4	0	-
HCM Lane LOS	A	A	-	-	A	A	-
HCM 95th %tile Q(veh)	0.2	-	-	-	1.9	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	0.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	18	591	36	158	777	316	27	91	176	173	86	10
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	250	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	14	2	0	5	0	0	0	0	4	1	0	0
Mvmt Flow	20	657	40	176	863	351	30	101	196	192	96	11
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	863	0	0	697	0	0	1985	1931	677	2079	1951	863
Stage 1	-	-	-	-	-	-	717	717	-	1214	1214	-
Stage 2	-	-	-	-	-	-	1268	1214	-	865	737	-
Critical Hdwy	4.24	-	-	4.15	-	-	7.1	6.5	6.24	7.11	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.11	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.11	5.5	-
Follow-up Hdwy	2.326	-	-	2.245	-	-	3.5	4	3.336	3.509	4	3.3
Pot Cap-1 Maneuver	731	-	-	885	-	-	46	~ 67	449	~ 39	~ 65	357
Stage 1	-	-	-	-	-	-	424	437	-	223	257	-
Stage 2	-	-	-	-	-	-	209	257	-	350	428	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	731	-	-	885	-	-	-	~ 20	449	-	~ 19	357
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	~ 20	-	-	~ 19	-
Stage 1	-	-	-	-	-	-	405	417	-	213	~ 78	-
Stage 2	-	-	-	-	-	-	-	~ 78	-	~ 143	409	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.3			1.3								
HCM LOS							-			-		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	-	731	-	-	885	-	-	-				
HCM Lane V/C Ratio	-	0.027	-	-	0.198	-	-	-				
HCM Control Delay (s)	-	10.1	0	-	10.1	0	-	-				
HCM Lane LOS	-	B	A	-	B	A	-	-				
HCM 95th %tile Q(veh)	-	0.1	-	-	0.7	-	-	-				
Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection

Int Delay, s/veh 449.8

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	106	556	680	378	290	131
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	3	3	1	1	1	19
Mvmt Flow	118	618	756	420	322	146

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	1176	0	1819
Stage 1	-	-	966
Stage 2	-	-	853
Critical Hdwy	4.13	-	6.41
Critical Hdwy Stg 1	-	-	5.41
Critical Hdwy Stg 2	-	-	5.41
Follow-up Hdwy	2.227	-	3.509
Pot Cap-1 Maneuver	590	-	~ 86
Stage 1	-	-	371
Stage 2	-	-	419
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	590	-	~ 60
Mov Cap-2 Maneuver	-	-	~ 60
Stage 1	-	-	371
Stage 2	-	-	~ 291

Approach	EB	WB	SB
HCM Control Delay, s	2	0	\$ 2284.2
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	590	-	-	-	80
HCM Lane V/C Ratio	0.2	-	-	-	5.847
HCM Control Delay (s)	12.6	0	-	-	\$ 2284.2
HCM Lane LOS	B	A	-	-	F
HCM 95th %tile Q(veh)	0.7	-	-	-	51.9

Notes

~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection												
Int Delay, s/veh	446											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	515	145	151	650	0	238	0	151	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	2	18	1	0	0	0	8	0	0	0
Mvmt Flow	0	572	161	168	722	0	264	0	168	0	0	0

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	722	0	0	733	0	0	1711	1711	653	1795	1791	722
Stage 1	-	-	-	-	-	-	653	653	-	1058	1058	-
Stage 2	-	-	-	-	-	-	1058	1058	-	737	733	-
Critical Hdwy	4.1	-	-	4.28	-	-	7.1	6.5	6.28	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.362	-	-	3.5	4	3.372	3.5	4	3.3
Pot Cap-1 Maneuver	889	-	-	803	-	-	~ 72	92	457	63	82	430
Stage 1	-	-	-	-	-	-	460	467	-	274	304	-
Stage 2	-	-	-	-	-	-	274	304	-	413	429	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	889	-	-	803	-	-	~ 52	60	457	29	53	430
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 52	60	-	29	53	-
Stage 1	-	-	-	-	-	-	460	467	-	274	198	-
Stage 2	-	-	-	-	-	-	~ 178	198	-	261	429	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0	2	\$ 2116.9	0
HCM LOS			F	A

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	79	889	-	-	803	-	-	-
HCM Lane V/C Ratio	5.471	-	-	-	0.209	-	-	-
HCM Control Delay (s)	\$ 2116.9	0	-	-	10.7	0	-	0
HCM Lane LOS	F	A	-	-	B	A	-	A
HCM 95th %tile Q(veh)	47.6	0	-	-	0.8	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	883.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	0	861	96	285	1123	0	154	0	146	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	3	0	1	0	0	0	3	0	0	0
Mvmt Flow	0	957	107	317	1248	0	171	0	162	0	0	0
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1248	0	0	1063	0	0	2891	2891	1010	2972	2944	1248
Stage 1	-	-	-	-	-	-	1010	1010	-	1881	1881	-
Stage 2	-	-	-	-	-	-	1881	1881	-	1091	1063	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.23	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.327	3.5	4	3.3
Pot Cap-1 Maneuver	565	-	-	663	-	-	~ 10	16	290	9	15	213
Stage 1	-	-	-	-	-	-	292	320	-	93	121	-
Stage 2	-	-	-	-	-	-	~ 93	121	-	263	302	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	565	-	-	663	-	-	~ 10	16	290	4	15	213
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 10	16	-	4	15	-
Stage 1	-	-	-	-	-	-	292	320	-	93	121	-
Stage 2	-	-	-	-	-	-	~ 93	121	-	116	302	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0			3.1			\$ 7835			0		
HCM LOS							F			A		

Intersection						
Int Delay, s/veh	10					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	132	60	195	225	87	239
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	2	0	0
Mvmt Flow	147	67	217	250	97	266
Major/Minor	Major1		Major2		Minor1	
Conflicting Flow All	0	0	213	0	863	180
Stage 1	-	-	-	-	180	-
Stage 2	-	-	-	-	683	-
Critical Hdwy	-	-	4.1	-	6.4	6.2
Critical Hdwy Stg 1	-	-	-	-	5.4	-
Critical Hdwy Stg 2	-	-	-	-	5.4	-
Follow-up Hdwy	-	-	2.2	-	3.5	3.3
Pot Cap-1 Maneuver	-	-	1369	-	328	868
Stage 1	-	-	-	-	856	-
Stage 2	-	-	-	-	505	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1369	-	268	868
Mov Cap-2 Maneuver	-	-	-	-	268	-
Stage 1	-	-	-	-	856	-
Stage 2	-	-	-	-	412	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.8		23.9	
HCM LOS					C	
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	543	-	-	1369	-	
HCM Lane V/C Ratio	0.667	-	-	0.158	-	
HCM Control Delay (s)	23.9	-	-	8.1	0	
HCM Lane LOS	C	-	-	A	A	
HCM 95th %tile Q(veh)	4.9	-	-	0.6	-	

Intersection												
Int Delay, s/veh	115.4											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	16	272	31	70	516	118	57	150	62	67	109	27
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	1	0	0	1	2	0	1	0	4	0	0
Mvmt Flow	18	302	34	78	573	131	63	167	69	74	121	30

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	704	0	0	337	0	0	1225	1215	319	1267	1166	639
Stage 1	-	-	-	-	-	-	355	355	-	794	794	-
Stage 2	-	-	-	-	-	-	870	860	-	473	372	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.51	6.2	7.14	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.51	-	6.14	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.51	-	6.14	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4.009	3.3	3.536	4	3.3
Pot Cap-1 Maneuver	903	-	-	1234	-	-	157	182	726	144	196	480
Stage 1	-	-	-	-	-	-	666	631	-	378	403	-
Stage 2	-	-	-	-	-	-	349	374	-	568	622	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	903	-	-	1234	-	-	~ 57	~ 159	726	-	171	480
Mov Cap-2 Maneuver	-	-	-	-	-	-	~ 57	~ 159	-	-	171	-
Stage 1	-	-	-	-	-	-	649	615	-	369	360	-
Stage 2	-	-	-	-	-	-	194	334	-	365	606	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	0.8	\$ 638.5	
HCM LOS			F	-

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	133	903	-	-	1234	-	-	-
HCM Lane V/C Ratio	2.247	0.02	-	-	0.063	-	-	-
HCM Control Delay (s)	\$ 638.5	9.1	0	-	8.1	0	-	-
HCM Lane LOS	F	A	A	-	A	A	-	-
HCM 95th %tile Q(veh)	25.2	0.1	-	-	0.2	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	484.5											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	13	125	5	100	208	184	15	190	102	271	103	3
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	0	0	0	0	17	4	5	1	0	0
Mvmt Flow	14	139	6	111	231	204	17	211	113	301	114	3

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	436	0	0	144	0	0	785	829	142	889	729	333
Stage 1	-	-	-	-	-	-	171	171	-	556	556	-
Stage 2	-	-	-	-	-	-	614	658	-	333	173	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.27	6.54	6.25	7.11	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.27	5.54	-	6.11	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.27	5.54	-	6.11	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.653	4.036	3.345	3.509	4	3.3
Pot Cap-1 Maneuver	1134	-	-	1451	-	-	293	304	898	~ 265	352	713
Stage 1	-	-	-	-	-	-	797	753	-	517	516	-
Stage 2	-	-	-	-	-	-	454	458	-	683	760	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1134	-	-	1451	-	-	191	269	898	~ 75	311	713
Mov Cap-2 Maneuver	-	-	-	-	-	-	191	269	-	~ 75	311	-
Stage 1	-	-	-	-	-	-	787	743	-	510	462	-
Stage 2	-	-	-	-	-	-	305	410	-	422	750	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.7	1.6	83.7	\$ 1624.6
HCM LOS			F	F

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	342	1134	-	-	1451	-	-	95
HCM Lane V/C Ratio	0.997	0.013	-	-	0.077	-	-	4.409
HCM Control Delay (s)	83.7	8.2	0	-	7.7	0	-	\$ 1624.6
HCM Lane LOS	F	A	A	-	A	A	-	F
HCM 95th %tile Q(veh)	11.3	0	-	-	0.2	-	-	44.1

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection						
Int Delay, s/veh	2.6					
Movement	WBL	WBR		NBT	NBR	SBL SBT
Vol, veh/h	80	34		292	56	16 237
Conflicting Peds, #/hr	0	0		0	0	0 0
Sign Control	Stop	Stop		Free	Free	Free Free
RT Channelized	-	None		-	None	- None
Storage Length	0	-		-	-	- -
Veh in Median Storage, #	0	-		0	-	- 0
Grade, %	0	-		0	-	- 0
Peak Hour Factor	90	90		90	90	90 90
Heavy Vehicles, %	0	0		0	4	0 1
Mvmt Flow	89	38		324	62	18 263
Major/Minor	Minor1		Major1		Major2	
Conflicting Flow All	655	356		0	0	387 0
Stage 1	356	-		-	-	- -
Stage 2	299	-		-	-	- -
Critical Hdwy	6.4	6.2		-	-	4.1 -
Critical Hdwy Stg 1	5.4	-		-	-	- -
Critical Hdwy Stg 2	5.4	-		-	-	- -
Follow-up Hdwy	3.5	3.3		-	-	2.2 -
Pot Cap-1 Maneuver	434	693		-	-	1183 -
Stage 1	713	-		-	-	- -
Stage 2	757	-		-	-	- -
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	426	693		-	-	1183 -
Mov Cap-2 Maneuver	426	-		-	-	- -
Stage 1	713	-		-	-	- -
Stage 2	743	-		-	-	- -
Approach	WB		NB		SB	
HCM Control Delay, s	15.1		0		0.5	
HCM LOS	C					
Minor Lane/Major Mvmt	NBT	NBR	WBLn1	SBL	SBT	
Capacity (veh/h)	-	-	481	1183	-	
HCM Lane V/C Ratio	-	-	0.263	0.015	-	
HCM Control Delay (s)	-	-	15.1	8.1	0	
HCM Lane LOS	-	-	C	A	A	
HCM 95th %tile Q(veh)	-	-	1	0	-	

Intersection												
Int Delay, s/veh	0.4											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	60	632	5	34	836	108	5	104	97	70	84	44
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	1	3	0	0	7	0	0	0
Mvmt Flow	67	702	6	38	929	120	6	116	108	78	93	49

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	1049	0	0	708	0	0	1974	1962	705	2014	1905	989
Stage 1	-	-	-	-	-	-	838	838	-	1064	1064	-
Stage 2	-	-	-	-	-	-	1136	1124	-	950	841	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.27	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.363	3.5	4	3.3
Pot Cap-1 Maneuver	671	-	-	900	-	-	47	~ 64	428	~ 44	~ 69	302
Stage 1	-	-	-	-	-	-	364	384	-	272	302	-
Stage 2	-	-	-	-	-	-	248	283	-	315	383	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	671	-	-	900	-	-	-	~ 48	428	-	~ 52	302
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	~ 48	-	-	~ 52	-
Stage 1	-	-	-	-	-	-	304	321	-	227	270	-
Stage 2	-	-	-	-	-	-	122	253	-	126	320	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.9	0.3		
HCM LOS			-	-

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	671	-	-	900	-	-	-
HCM Lane V/C Ratio	-	0.099	-	-	0.042	-	-	-
HCM Control Delay (s)	-	11	0	-	9.2	0	-	-
HCM Lane LOS	-	B	A	-	A	A	-	-
HCM 95th %tile Q(veh)	-	0.3	-	-	0.1	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh	0.3											

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	28	521	12	28	646	116	28	228	35	48	115	53
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	2	0	0	2	0	11	4	5
Mvmt Flow	31	579	13	31	718	129	31	253	39	53	128	59

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	847	0	0	592	0	0	1586	1557	586	1638	1498	782
Stage 1	-	-	-	-	-	-	648	648	-	844	844	-
Stage 2	-	-	-	-	-	-	938	909	-	794	654	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.52	6.2	7.21	6.54	6.25
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.52	-	6.21	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.52	-	6.21	5.54	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4.018	3.3	3.599	4.036	3.345
Pot Cap-1 Maneuver	799	-	-	994	-	-	88 ~ 113	514		76 ~ 121	390	
Stage 1	-	-	-	-	-	-	462	466	-	345	376	-
Stage 2	-	-	-	-	-	-	320	354	-	368	460	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	799	-	-	994	-	-	- ~ 100	514		- ~ 107	390	
Mov Cap-2 Maneuver	-	-	-	-	-	-	- ~ 100	-		- ~ 107	-	
Stage 1	-	-	-	-	-	-	435	439	-	325	353	-
Stage 2	-	-	-	-	-	-	163	332	-	136	433	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	0.3		
HCM LOS			-	-

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1
Capacity (veh/h)	-	799	-	-	994	-	-	-
HCM Lane V/C Ratio	-	0.039	-	-	0.031	-	-	-
HCM Control Delay (s)	-	9.7	0	-	8.7	0	-	-
HCM Lane LOS	-	A	A	-	A	A	-	-
HCM 95th %tile Q(veh)	-	0.1	-	-	0.1	-	-	-

Notes												
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon												

Intersection												
Int Delay, s/veh		1.1										
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	151	400	22	54	516	67	13	99	60	27	82	191
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	1	3	0	0	0	0	0	1
Mvmt Flow	168	444	24	60	573	74	14	110	67	30	91	212
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	648	0	0	469	0	0	1674	1560	457	1612	1535	611
Stage 1	-	-	-	-	-	-	792	792	-	731	731	-
Stage 2	-	-	-	-	-	-	882	768	-	881	804	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.21
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.309
Pot Cap-1 Maneuver	947	-	-	1103	-	-	77	113	608	85	117	496
Stage 1	-	-	-	-	-	-	385	404	-	416	430	-
Stage 2	-	-	-	-	-	-	344	414	-	344	398	-
Platoon blocked, %			-			-						
Mov Cap-1 Maneuver	947	-	-	1103	-	-	-	~ 78	608	-	~ 81	496
Mov Cap-2 Maneuver	-	-	-	-	-	-	-	~ 78	-	-	~ 81	-
Stage 1	-	-	-	-	-	-	292	307	-	316	393	-
Stage 2	-	-	-	-	-	-	138	378	-	149	302	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	2.5			0.7								
HCM LOS							-			-		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	-	947	-	-	1103	-	-	-				
HCM Lane V/C Ratio	-	0.177	-	-	0.054	-	-	-				
HCM Control Delay (s)	-	9.6	0	-	8.5	0	-	-				
HCM Lane LOS	-	A	A	-	A	A	-	-				
HCM 95th %tile Q(veh)	-	0.6	-	-	0.2	-	-	-				
Notes												
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined			*: All major volume in platoon					

Intersection												
Int Delay, s/veh		8										
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	37	47	4	19	98	67	2	41	9	42	62	17
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	50	0	0	0	0	0	0	0	0	0
Mvmt Flow	41	52	4	21	109	74	2	46	10	47	69	19
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	319	232	78	255	236	51	88	0	0	56	0	0
Stage 1	172	172	-	55	55	-	-	-	-	-	-	-
Stage 2	147	60	-	200	181	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.7	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.75	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	638	672	864	702	668	1023	1520	-	-	1562	-	-
Stage 1	835	760	-	962	853	-	-	-	-	-	-	-
Stage 2	860	849	-	806	754	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	502	650	864	639	646	1023	1520	-	-	1562	-	-
Mov Cap-2 Maneuver	502	650	-	639	646	-	-	-	-	-	-	-
Stage 1	834	736	-	961	852	-	-	-	-	-	-	-
Stage 2	695	848	-	721	730	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	12.4			11.7			0.3			2.6		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1520	-	-	584	745	1562	-	-				
HCM Lane V/C Ratio	0.001	-	-	0.167	0.274	0.03	-	-				
HCM Control Delay (s)	7.4	0	-	12.4	11.7	7.4	0	-				
HCM Lane LOS	A	A	-	B	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	0.6	1.1	0.1	-	-				

Intersection												
Int Delay, s/veh	12.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	16	116	11	67	181	84	18	134	28	19	107	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	2	0	0	0	0	0	0	0	0	2	0
Mvmt Flow	18	129	12	74	201	93	20	149	31	21	119	0
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	513	381	119	436	365	164	119	0	0	180	0	0
Stage 1	161	161	-	204	204	-	-	-	-	-	-	-
Stage 2	352	220	-	232	161	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.52	6.2	7.1	6.5	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.52	-	6.1	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.52	-	6.1	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.018	3.3	3.5	4	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	475	552	938	534	566	886	1482	-	-	1408	-	-
Stage 1	846	765	-	803	737	-	-	-	-	-	-	-
Stage 2	669	721	-	775	769	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	297	535	938	419	549	886	1482	-	-	1408	-	-
Mov Cap-2 Maneuver	297	535	-	419	549	-	-	-	-	-	-	-
Stage 1	833	753	-	791	726	-	-	-	-	-	-	-
Stage 2	426	710	-	624	757	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	15.3			22.3			0.7			1.1		
HCM LOS	C			C								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1482	-	-	506	568	1408	-	-				
HCM Lane V/C Ratio	0.013	-	-	0.314	0.649	0.015	-	-				
HCM Control Delay (s)	7.5	0	-	15.3	22.3	7.6	0	-				
HCM Lane LOS	A	A	-	C	C	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	1.3	4.7	0	-	-				

Intersection												
Int Delay, s/veh	4.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	24	173	7	28	365	101	2	42	7	17	56	29
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	1	33	0	0	0	0	0	0	0	4	0
Mvmt Flow	27	192	8	31	406	112	2	47	8	19	62	32
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	518	0	0	200	0	0	820	829	196	801	777	462
Stage 1	-	-	-	-	-	-	249	249	-	524	524	-
Stage 2	-	-	-	-	-	-	571	580	-	277	253	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.54	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.54	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.54	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4.036	3.3
Pot Cap-1 Maneuver	1058	-	-	1384	-	-	296	308	850	305	326	604
Stage 1	-	-	-	-	-	-	759	704	-	540	527	-
Stage 2	-	-	-	-	-	-	509	503	-	734	694	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1058	-	-	1384	-	-	226	289	850	253	306	604
Mov Cap-2 Maneuver	-	-	-	-	-	-	226	289	-	253	306	-
Stage 1	-	-	-	-	-	-	737	684	-	524	510	-
Stage 2	-	-	-	-	-	-	410	487	-	658	674	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	1			0.4			19			20.7		
HCM LOS							C			C		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	314	1058	-	-	1384	-	-	342				
HCM Lane V/C Ratio	0.18	0.025	-	-	0.022	-	-	0.331				
HCM Control Delay (s)	19	8.5	0	-	7.7	0	-	20.7				
HCM Lane LOS	C	A	A	-	A	A	-	C				
HCM 95th %tile Q(veh)	0.6	0.1	-	-	0.1	-	-	1.4				

Intersection												
Int Delay, s/veh	5.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	12	48	2	10	68	6	0	46	6	0	70	12
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	9	0	0	6	0	0	0	0	0	0	17
Mvmt Flow	13	53	2	11	76	7	0	51	7	0	78	13
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	180	142	84	166	145	54	91	0	0	58	0	0
Stage 1	84	84	-	54	54	-	-	-	-	-	-	-
Stage 2	96	58	-	112	91	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.59	6.2	7.1	6.56	6.2	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.59	-	6.1	5.56	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.59	-	6.1	5.56	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.081	3.3	3.5	4.054	3.3	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	786	736	981	803	739	1019	1517	-	-	1559	-	-
Stage 1	929	812	-	963	842	-	-	-	-	-	-	-
Stage 2	916	833	-	898	812	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	720	736	981	757	739	1019	1517	-	-	1559	-	-
Mov Cap-2 Maneuver	720	736	-	757	739	-	-	-	-	-	-	-
Stage 1	929	812	-	963	842	-	-	-	-	-	-	-
Stage 2	828	833	-	837	812	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	10.4			10.4			0			0		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1517	-	-	739	756	1559	-	-				
HCM Lane V/C Ratio	-	-	-	0.093	0.123	-	-	-				
HCM Control Delay (s)	0	-	-	10.4	10.4	0	-	-				
HCM Lane LOS	A	-	-	B	B	A	-	-				
HCM 95th %tile Q(veh)	0	-	-	0.3	0.4	0	-	-				

Intersection												
Int Delay, s/veh	5.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	13	43	0	19	80	13	4	116	12	19	77	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	5	0	0	8	0	0	2	0	11	3	0
Mvmt Flow	14	48	0	21	89	14	4	129	13	21	86	4
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	326	281	88	298	276	136	90	0	0	142	0	0
Stage 1	130	130	-	144	144	-	-	-	-	-	-	-
Stage 2	196	151	-	154	132	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.55	6.2	7.1	6.58	6.2	4.1	-	-	4.21	-	-
Critical Hdwy Stg 1	6.1	5.55	-	6.1	5.58	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.55	-	6.1	5.58	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4.045	3.3	3.5	4.072	3.3	2.2	-	-	2.299	-	-
Pot Cap-1 Maneuver	631	622	976	658	621	918	1518	-	-	1387	-	-
Stage 1	878	783	-	864	766	-	-	-	-	-	-	-
Stage 2	810	767	-	853	776	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	544	610	976	610	609	918	1518	-	-	1387	-	-
Mov Cap-2 Maneuver	544	610	-	610	609	-	-	-	-	-	-	-
Stage 1	875	770	-	861	764	-	-	-	-	-	-	-
Stage 2	702	765	-	787	764	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	11.8			12.1			0.2			1.5		
HCM LOS	B			B								
Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR				
Capacity (veh/h)	1518	-	-	593	634	1387	-	-				
HCM Lane V/C Ratio	0.003	-	-	0.105	0.196	0.015	-	-				
HCM Control Delay (s)	7.4	0	-	11.8	12.1	7.6	0	-				
HCM Lane LOS	A	A	-	B	B	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	0.4	0.7	0	-	-				

Intersection												
Int Delay, s/veh	4.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Vol, veh/h	2	90	0	77	138	26	0	25	27	17	37	6
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	0	0	0	0	5	0	0	0	0	25	0	0
Mvmt Flow	2	100	0	86	153	29	0	28	30	19	41	7
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	182	0	0	100	0	0	467	457	100	472	443	168
Stage 1	-	-	-	-	-	-	104	104	-	339	339	-
Stage 2	-	-	-	-	-	-	363	353	-	133	104	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.35	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.35	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.35	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.725	4	3.3
Pot Cap-1 Maneuver	1405	-	-	1505	-	-	509	503	961	466	512	881
Stage 1	-	-	-	-	-	-	907	813	-	630	643	-
Stage 2	-	-	-	-	-	-	660	634	-	818	813	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1405	-	-	1505	-	-	448	470	961	410	478	881
Mov Cap-2 Maneuver	-	-	-	-	-	-	448	470	-	410	478	-
Stage 1	-	-	-	-	-	-	905	811	-	629	602	-
Stage 2	-	-	-	-	-	-	571	593	-	764	811	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.2			2.4			11.2			13.8		
HCM LOS							B			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	640	1405	-	-	1505	-	-	477				
HCM Lane V/C Ratio	0.09	0.002	-	-	0.057	-	-	0.14				
HCM Control Delay (s)	11.2	7.6	0	-	7.5	0	-	13.8				
HCM Lane LOS	B	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.3	0	-	-	0.2	-	-	0.5				

Intersection						
Int Delay, s/veh	83.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Vol, veh/h	135	311	373	254	201	127
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	1	0	3	2
Mvmt Flow	150	346	414	282	223	141
Major/Minor	Major1		Major2		Minor2	
Conflicting Flow All	697	0	-	0	1202	556
Stage 1	-	-	-	-	556	-
Stage 2	-	-	-	-	646	-
Critical Hdwy	4.12	-	-	-	6.43	6.22
Critical Hdwy Stg 1	-	-	-	-	5.43	-
Critical Hdwy Stg 2	-	-	-	-	5.43	-
Follow-up Hdwy	2.218	-	-	-	3.527	3.318
Pot Cap-1 Maneuver	899	-	-	-	~ 203	531
Stage 1	-	-	-	-	572	-
Stage 2	-	-	-	-	520	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	899	-	-	-	~ 161	531
Mov Cap-2 Maneuver	-	-	-	-	~ 161	-
Stage 1	-	-	-	-	572	-
Stage 2	-	-	-	-	413	-
Approach	EB		WB		SB	
HCM Control Delay, s	3		0		\$ 353.5	
HCM LOS					F	
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	899	-	-	-	220	
HCM Lane V/C Ratio	0.167	-	-	-	1.657	
HCM Control Delay (s)	9.8	0	-	-	\$ 353.5	
HCM Lane LOS	A	A	-	-	F	
HCM 95th %tile Q(veh)	0.6	-	-	-	23.8	
Notes						
~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon						