



E.G. Miles Parkway SR 196 / SR 119

Corridor Study

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Appendix B:

Syncro Analysis Results

Unsignalized Intersections

Intersection

Int Delay, s/veh 1.2

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑↑	↑↑	↑↑	
Traffic Vol, veh/h	37	19	14	1162	604	7
Future Vol, veh/h	37	19	14	1162	604	7
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	-	0	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	82	82	89	89	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	45	23	16	1306	649	8

Major/Minor	Minor2	Major1	Major2		
Conflicting Flow All	1338	329	657	0	-
Stage 1	653	-	-	-	-
Stage 2	685	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-
Pot Cap-1 Maneuver	144	667	926	-	-
Stage 1	480	-	-	-	-
Stage 2	462	-	-	-	-
Platoon blocked, %				-	-
Mov Cap-1 Maneuver	142	667	926	-	-
Mov Cap-2 Maneuver	142	-	-	-	-
Stage 1	472	-	-	-	-
Stage 2	462	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	33.3	0.1	0
HCM LOS	D		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR
Capacity (veh/h)	926	-	194	-	-
HCM Lane V/C Ratio	0.017	-	0.352	-	-
HCM Control Delay (s)	9	-	33.3	-	-
HCM Lane LOS	A	-	D	-	-
HCM 95th %tile Q(veh)	0.1	-	1.5	-	-

Intersection						
Int Delay, s/veh	6					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	Y
Traffic Vol, veh/h	40	1136	590	21	82	43
Future Vol, veh/h	40	1136	590	21	82	43
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	-	-	200	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	89	89	93	93	82	82
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	45	1276	634	23	100	52
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	657	0	-	0	1362	317
Stage 1	-	-	-	-	634	-
Stage 2	-	-	-	-	728	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	926	-	-	-	139	679
Stage 1	-	-	-	-	491	-
Stage 2	-	-	-	-	439	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	926	-	-	-	132	679
Mov Cap-2 Maneuver	-	-	-	-	132	-
Stage 1	-	-	-	-	467	-
Stage 2	-	-	-	-	439	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.3	0	80.8			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBR
Capacity (veh/h)	926	-	-	-	183	
HCM Lane V/C Ratio	0.049	-	-	-	0.833	
HCM Control Delay (s)	9.1	-	-	-	80.8	
HCM Lane LOS	A	-	-	-	F	
HCM 95th %tile Q(veh)	0.2	-	-	-	5.9	

Intersection						
Int Delay, s/veh	25.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	Y
Traffic Vol, veh/h	80	1096	569	42	127	68
Future Vol, veh/h	80	1096	569	42	127	68
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	-	-	220	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	89	89	93	93	92	66
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	90	1231	612	45	138	103
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	657	0	-	0	1408	306
Stage 1	-	-	-	-	612	-
Stage 2	-	-	-	-	796	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	926	-	-	-	~ 130	690
Stage 1	-	-	-	-	504	-
Stage 2	-	-	-	-	405	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	926	-	-	-	~ 117	690
Mov Cap-2 Maneuver	-	-	-	-	~ 117	-
Stage 1	-	-	-	-	455	-
Stage 2	-	-	-	-	405	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.6	0	231.8			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	926	-	-	-	181	
HCM Lane V/C Ratio	0.097	-	-	-	1.332	
HCM Control Delay (s)	9.3	-	-	-	231.8	
HCM Lane LOS	A	-	-	-	F	
HCM 95th %tile Q(veh)	0.3	-	-	-	14	
Notes						
~: Volume exceeds capacity		\$: Delay exceeds 300s	+: Computation Not Defined		*: All major volume in platoon	

Intersection

Int Delay, s/veh 4.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	1128	48	26	585	37	69
Future Vol, veh/h	1128	48	26	585	37	69
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	93	93	92	73
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1267	54	28	629	40	95

Major/Minor	Major1	Major2	Minor1		
Conflicting Flow All	0	0	1321	0	1665 661
Stage 1	-	-	-	-	1294 -
Stage 2	-	-	-	-	371 -
Critical Hdwy	-	-	4.14	-	6.84 6.94
Critical Hdwy Stg 1	-	-	-	-	5.84 -
Critical Hdwy Stg 2	-	-	-	-	5.84 -
Follow-up Hdwy	-	-	2.22	-	3.52 3.32
Pot Cap-1 Maneuver	-	-	519	-	88 405
Stage 1	-	-	-	-	221 -
Stage 2	-	-	-	-	668 -
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	519	-	83 405
Mov Cap-2 Maneuver	-	-	-	-	83 -
Stage 1	-	-	-	-	221 -
Stage 2	-	-	-	-	632 -

Approach	EB	WB	NB
HCM Control Delay, s	0	0.5	61.6
HCM LOS		F	

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	188	-	-	519	-
HCM Lane V/C Ratio	0.717	-	-	0.054	-
HCM Control Delay (s)	61.6	-	-	12.3	-
HCM Lane LOS	F	-	-	B	-
HCM 95th %tile Q(veh)	4.5	-	-	0.2	-

Intersection						
Int Delay, s/veh	16.4					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	1096	80	42	569	59	112
Future Vol, veh/h	1096	80	42	569	59	112
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	89	89	93	93	92	79
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1231	90	45	612	64	142
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	1321	0	1672	661
Stage 1	-	-	-	-	1276	-
Stage 2	-	-	-	-	396	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	519	-	87	405
Stage 1	-	-	-	-	226	-
Stage 2	-	-	-	-	649	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	519	-	79	405
Mov Cap-2 Maneuver	-	-	-	-	79	-
Stage 1	-	-	-	-	226	-
Stage 2	-	-	-	-	593	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.9	171.6			
HCM LOS			F			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	177	-	-	519	-	
HCM Lane V/C Ratio	1.163	-	-	0.087	-	
HCM Control Delay (s)	171.6	-	-	12.6	-	
HCM Lane LOS	F	-	-	B	-	
HCM 95th %tile Q(veh)	10.8	-	-	0.3	-	

Intersection													
Int Delay, s/veh	1.8												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations	↖ ↗			↖ ↗			↖ ↗	↑ ↗		↖ ↗	↑ ↗	↖ ↗	
Traffic Vol, veh/h	35	3	18	5	1	9	10	1163	3	2	603	6	
Future Vol, veh/h	35	3	18	5	1	9	10	1163	3	2	603	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	-	-	Yield	-	-	Yield	
Storage Length	-	-	-	-	-	-	0	-	-	0	-	680	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	38	3	20	5	1	10	11	1264	3	2	655	7	
Major/Minor	Minor2	Minor1			Major1			Major2					
Conflicting Flow All	1314	1945	328	1621	1947	634	655	0	0	1264	0	0	
Stage 1	659	659	-	1288	1288	-	-	-	-	-	-	-	
Stage 2	655	1286	-	333	659	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	116	64	668	68	64	422	928	-	-	546	-	-	
Stage 1	419	459	-	173	233	-	-	-	-	-	-	-	
Stage 2	421	233	-	654	459	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	111	63	668	63	63	422	928	-	-	546	-	-	
Mov Cap-2 Maneuver	111	63	-	63	63	-	-	-	-	-	-	-	
Stage 1	414	457	-	171	230	-	-	-	-	-	-	-	
Stage 2	404	230	-	628	457	-	-	-	-	-	-	-	
Approach	SE		NW			NE			SW				
HCM Control Delay, s	47.2		36.9			0.1			0				
HCM LOS	E		E										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR				
Capacity (veh/h)	928	-	-	129	144	546	-	-					
HCM Lane V/C Ratio	0.012	-	-	0.126	0.423	0.004	-	-					
HCM Control Delay (s)	8.9	-	-	36.9	47.2	11.6	-	-					
HCM Lane LOS	A	-	-	E	E	B	-	-					
HCM 95th %tile Q(veh)	0	-	-	0.4	1.9	0	-	-					

Intersection

Int Delay, s/veh 1

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	7
Future Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	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	-	-	Yield
Storage Length	-	-	-	-	-	-	-	-	-	-	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	4	3	22	11	0	33	4	1025	28	11	450	8

Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	993	1533	225	1296	1519	527	450	0	0	1053	0	0
Stage 1	472	472	-	1047	1047	-	-	-	-	-	-	-
Stage 2	521	1061	-	249	472	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	200	115	778	120	118	496	1107	-	-	657	-	-
Stage 1	542	557	-	244	303	-	-	-	-	-	-	-
Stage 2	507	299	-	733	557	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	182	111	778	111	114	496	1107	-	-	657	-	-
Mov Cap-2 Maneuver	182	111	-	111	114	-	-	-	-	-	-	-
Stage 1	537	545	-	242	300	-	-	-	-	-	-	-
Stage 2	469	296	-	693	545	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	15.9	21.2			0			0.3		
HCM LOS	C	C								
<hr/>										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	n1 SEL	n1	SWL	SWT	SWR	
Capacity (veh/h)	1107	-	-	266	361	657	-	-	-	
HCM Lane V/C Ratio	0.004	-	-	0.163	0.081	0.017	-	-	-	
HCM Control Delay (s)	8.3	0	-	21.2	15.9	10.6	0.1	-	-	
HCM Lane LOS	A	A	-	C	C	B	A	-	-	
HCM 95th %tile Q(veh)	0	-	-	0.6	0.3	0.1	-	-	-	

Intersection						
Int Delay, s/veh	1.3					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑↑	↑↑	↑	
Traffic Vol, veh/h	45	21	19	958	454	9
Future Vol, veh/h	45	21	19	958	454	9
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	-	-	-	-	150
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	49	23	21	1041	493	10
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1056	247	503	0	-	0
Stage 1	493	-	-	-	-	-
Stage 2	563	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	221	753	1058	-	-	-
Stage 1	579	-	-	-	-	-
Stage 2	534	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	211	753	1058	-	-	-
Mov Cap-2 Maneuver	211	-	-	-	-	-
Stage 1	552	-	-	-	-	-
Stage 2	534	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	22.7	0.4		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	1058	-	274	-	-	
HCM Lane V/C Ratio	0.02	-	0.262	-	-	
HCM Control Delay (s)	8.5	0.2	22.7	-	-	
HCM Lane LOS	A	A	C	-	-	
HCM 95th %tile Q(veh)	0.1	-	1	-	-	

Intersection

Int Delay, s/veh 0.2

Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	W	↑↑		↑↑		
Traffic Vol, veh/h	4	10	974	3	2	461
Future Vol, veh/h	4	10	974	3	2	461
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	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	11	1059	3	2	501

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	1316	531	0	0	1062
Stage 1	1061	-	-	-	-
Stage 2	255	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14
Critical Hdwy Stg 1	5.84	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22
Pot Cap-1 Maneuver	149	493	-	-	652
Stage 1	294	-	-	-	-
Stage 2	764	-	-	-	-
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	148	493	-	-	652
Mov Cap-2 Maneuver	148	-	-	-	-
Stage 1	294	-	-	-	-
Stage 2	761	-	-	-	-

Approach	NW	NE	SW
HCM Control Delay, s	17.8	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NET	NERNWLn1	SWL	SWT
Capacity (veh/h)	-	-	296	652
HCM Lane V/C Ratio	-	-	0.051	0.003
HCM Control Delay (s)	-	-	17.8	10.5
HCM Lane LOS	-	-	C	B
HCM 95th %tile Q(veh)	-	-	0.2	0

Intersection												
Int Delay, s/veh	0.6											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗	↖ ↗	↑ ↗	↑ ↗	↖ ↗	↖ ↗	↖ ↗	↑↑ ↗	↖ ↗	↖ ↗	↑↑ ↗	↖ ↗
Traffic Vol, veh/h	8	1	3	8	3	18	13	927	37	6	451	6
Future Vol, veh/h	8	1	3	8	3	18	13	927	37	6	451	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	1	3	9	3	20	14	1008	40	7	490	7
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1038	1540	245	1296	1540	504	490	0	0	1008	0	0
Stage 1	504	504	-	1036	1036	-	-	-	-	-	-	-
Stage 2	534	1036	-	260	504	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	185	114	755	120	114	513	1070	-	-	683	-	-
Stage 1	518	539	-	248	307	-	-	-	-	-	-	-
Stage 2	498	307	-	722	539	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	171	111	755	117	111	513	1070	-	-	683	-	-
Mov Cap-2 Maneuver	171	111	-	117	111	-	-	-	-	-	-	-
Stage 1	511	534	-	245	303	-	-	-	-	-	-	-
Stage 2	468	303	-	710	534	-	-	-	-	-	-	-
Approach	SE		NW			NE			SW			
HCM Control Delay, s	24.1		16			0.1			0.1			
HCM LOS	C		C									
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Nln1	NWLn2	SELn1	SELn2	SWL	SWT	SWR	
Capacity (veh/h)	1070	-	-	111	513	161	755	683	-	-	-	-
HCM Lane V/C Ratio	0.013	-	-	0.029	0.038	0.061	0.004	0.01	-	-	-	-
HCM Control Delay (s)	8.4	-	-	38.4	12.3	28.8	9.8	10.3	-	-	-	-
HCM Lane LOS	A	-	-	E	B	D	A	B	-	-	-	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0.1	0.2	0	0	-	-	-	-

Intersection						
Int Delay, s/veh	0.5					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑	↑↑	↑↑	
Traffic Vol, veh/h	10	10	14	610	580	14
Future Vol, veh/h	10	10	14	610	580	14
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	-	0	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	62	62	87	87	96	96
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	16	16	16	701	604	15
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	995	310	619	0	-	0
Stage 1	612	-	-	-	-	-
Stage 2	383	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	242	686	957	-	-	-
Stage 1	504	-	-	-	-	-
Stage 2	659	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	238	686	957	-	-	-
Mov Cap-2 Maneuver	238	-	-	-	-	-
Stage 1	495	-	-	-	-	-
Stage 2	659	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	16.2	0.2		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	957	-	353	-	-	
HCM Lane V/C Ratio	0.017	-	0.091	-	-	
HCM Control Delay (s)	8.8	-	16.2	-	-	
HCM Lane LOS	A	-	C	-	-	
HCM 95th %tile Q(veh)	0.1	-	0.3	-	-	

Intersection

Int Delay, s/veh 1.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	26	598	570	24	39	37
Future Vol, veh/h	26	598	570	24	39	37
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	-	-	200	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	86	86	96	96	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	30	695	594	25	42	40

Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	619	0	-	0	1002	297
Stage 1	-	-	-	-	594	-
Stage 2	-	-	-	-	408	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	957	-	-	-	239	699
Stage 1	-	-	-	-	514	-
Stage 2	-	-	-	-	640	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	957	-	-	-	232	699
Mov Cap-2 Maneuver	-	-	-	-	232	-
Stage 1	-	-	-	-	498	-
Stage 2	-	-	-	-	640	-

Approach	EB	WB	SB
HCM Control Delay, s	0.4	0	18.7
HCM LOS		C	

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	957	-	-	-	344
HCM Lane V/C Ratio	0.032	-	-	-	0.24
HCM Control Delay (s)	8.9	-	-	-	18.7
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	0.9

Intersection						
Int Delay, s/veh	3.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	53	571	544	50	71	68
Future Vol, veh/h	53	571	544	50	71	68
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	-	-	220	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	86	86	96	96	81	81
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	62	664	567	52	88	84
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	619	0	-	0	1023	284
Stage 1	-	-	-	-	567	-
Stage 2	-	-	-	-	456	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	957	-	-	-	232	713
Stage 1	-	-	-	-	531	-
Stage 2	-	-	-	-	605	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	957	-	-	-	217	713
Mov Cap-2 Maneuver	-	-	-	-	217	-
Stage 1	-	-	-	-	496	-
Stage 2	-	-	-	-	605	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.8	0	27.3			
HCM LOS			D			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	957	-	-	-	329	
HCM Lane V/C Ratio	0.064	-	-	-	0.522	
HCM Control Delay (s)	9	-	-	-	27.3	
HCM Lane LOS	A	-	-	-	D	
HCM 95th %tile Q(veh)	0.2	-	-	-	2.9	

Intersection						
Int Delay, s/veh	2.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	587	37	36	558	44	46
Future Vol, veh/h	587	37	36	558	44	46
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	86	86	96	96	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	683	43	38	581	56	59
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	726	0	1072	363
Stage 1	-	-	-	-	705	-
Stage 2	-	-	-	-	367	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	873	-	215	634
Stage 1	-	-	-	-	451	-
Stage 2	-	-	-	-	671	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	873	-	206	634
Mov Cap-2 Maneuver	-	-	-	-	206	-
Stage 1	-	-	-	-	451	-
Stage 2	-	-	-	-	641	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.6	22.9			
HCM LOS			C			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	315	-	-	873	-	
HCM Lane V/C Ratio	0.366	-	-	0.043	-	
HCM Control Delay (s)	22.9	-	-	9.3	-	
HCM Lane LOS	C	-	-	A	-	
HCM 95th %tile Q(veh)	1.6	-	-	0.1	-	

Intersection						
Int Delay, s/veh	4					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	568	56	54	540	61	64
Future Vol, veh/h	568	56	54	540	61	64
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	86	86	96	96	72	72
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	660	65	56	563	85	89
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	725	0	1087	363
Stage 1	-	-	-	-	693	-
Stage 2	-	-	-	-	394	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	874	-	211	634
Stage 1	-	-	-	-	457	-
Stage 2	-	-	-	-	650	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	874	-	197	634
Mov Cap-2 Maneuver	-	-	-	-	197	-
Stage 1	-	-	-	-	457	-
Stage 2	-	-	-	-	608	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.9	31.5			
HCM LOS			D			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	304	-	-	874	-	
HCM Lane V/C Ratio	0.571	-	-	0.064	-	
HCM Control Delay (s)	31.5	-	-	9.4	-	
HCM Lane LOS	D	-	-	A	-	
HCM 95th %tile Q(veh)	3.3	-	-	0.2	-	

Intersection												
Int Delay, s/veh 0.6												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↔			↔			↑	↑↓		↑	↑↓	↑
Traffic Vol, veh/h	11	1	10	3	0	3	20	599	5	4	570	20
Future Vol, veh/h	11	1	10	3	0	3	20	599	5	4	570	20
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	-	-	Yield	-	-	Yield
Storage Length	-	-	-	-	-	-	0	-	-	0	-	680
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	12	1	11	3	0	3	22	651	5	4	620	22
Major/Minor												
Minor2		Minor1			Major1			Major2				
Conflicting Flow All	998	1323	310	1017	1326	328	620	0	0	651	0	0
Stage 1	628	628	-	698	698	-	-	-	-	-	-	-
Stage 2	370	695	-	319	628	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	198	155	686	192	154	668	956	-	-	931	-	-
Stage 1	437	474	-	397	440	-	-	-	-	-	-	-
Stage 2	622	442	-	667	474	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	193	151	686	184	150	668	956	-	-	931	-	-
Mov Cap-2 Maneuver	193	151	-	184	150	-	-	-	-	-	-	-
Stage 1	427	472	-	388	430	-	-	-	-	-	-	-
Stage 2	605	432	-	652	472	-	-	-	-	-	-	-
Approach												
SE			NW			NE			SW			
HCM Control Delay, s	19		17.7			0.3			0.1			
HCM LOS	C		C									
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR	
Capacity (veh/h)	956		-	-	289	281	931	-	-	-	-	
HCM Lane V/C Ratio	0.023		-	-	0.023	0.085	0.005	-	-	-	-	
HCM Control Delay (s)	8.9		-	-	17.7	19	8.9	-	-	-	-	
HCM Lane LOS	A		-	-	C	C	A	-	-	-	-	
HCM 95th %tile Q(veh)	0.1		-	-	0.1	0.3	0	-	-	-	-	

Intersection

Int Delay, s/veh 1.8

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	7
Future Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	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	-	-	Yield
Storage Length	-	-	-	-	-	-	-	-	-	-	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	7	3	20	24	3	43	10	636	33	33	685	8

Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1091	1440	343	1083	1424	335	685	0	0	669	0	0
Stage 1	751	751	-	673	673	-	-	-	-	-	-	-
Stage 2	340	689	-	410	751	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	169	132	653	172	135	661	904	-	-	917	-	-
Stage 1	369	416	-	411	452	-	-	-	-	-	-	-
Stage 2	648	445	-	589	416	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	146	122	653	154	125	661	904	-	-	917	-	-
Mov Cap-2 Maneuver	146	122	-	154	125	-	-	-	-	-	-	-
Stage 1	362	391	-	404	444	-	-	-	-	-	-	-
Stage 2	590	437	-	533	391	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	18.8	21.7			0.2			0.6		
HCM LOS	C	C								
<hr/>										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	n1 SEL	n1	SWL	SWT	SWR	
Capacity (veh/h)	904	-	-	286	290	917	-	-	-	
HCM Lane V/C Ratio	0.011	-	-	0.247	0.101	0.036	-	-	-	
HCM Control Delay (s)	9	0.1	-	21.7	18.8	9.1	0.2	-	-	
HCM Lane LOS	A	A	-	C	C	A	A	-	-	
HCM 95th %tile Q(veh)	0	-	-	1	0.3	0.1	-	-	-	

Intersection						
Int Delay, s/veh	0.7					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	19	21	19	958	454	9
Future Vol, veh/h	19	21	19	958	454	9
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	-	-	-	-	150
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	21	23	21	1041	493	10
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1056	247	503	0	-	0
Stage 1	493	-	-	-	-	-
Stage 2	563	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	221	753	1058	-	-	-
Stage 1	579	-	-	-	-	-
Stage 2	534	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	211	753	1058	-	-	-
Mov Cap-2 Maneuver	211	-	-	-	-	-
Stage 1	552	-	-	-	-	-
Stage 2	534	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	17.2	0.4		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	1058	-	339	-	-	
HCM Lane V/C Ratio	0.02	-	0.128	-	-	
HCM Control Delay (s)	8.5	0.2	17.2	-	-	
HCM Lane LOS	A	A	C	-	-	
HCM 95th %tile Q(veh)	0.1	-	0.4	-	-	

Intersection						
Int Delay, s/veh	0.1					
Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	W		↑↓		↑↓	
Traffic Vol, veh/h	3	2	608	5	5	671
Future Vol, veh/h	3	2	608	5	5	671
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	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	3	2	661	5	5	729
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1039	333	0	0	666	0
Stage 1	664	-	-	-	-	-
Stage 2	375	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	226	663	-	-	919	-
Stage 1	474	-	-	-	-	-
Stage 2	665	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	224	663	-	-	919	-
Mov Cap-2 Maneuver	224	-	-	-	-	-
Stage 1	474	-	-	-	-	-
Stage 2	659	-	-	-	-	-
Approach	NW	NE	SW			
HCM Control Delay, s	17	0	0.1			
HCM LOS	C					
Minor Lane/Major Mvmt	NET	NERNWLn1	SWL	SWT		
Capacity (veh/h)	-	-	305	919	-	
HCM Lane V/C Ratio	-	-	0.018	0.006	-	
HCM Control Delay (s)	-	-	17	8.9	0	
HCM Lane LOS	-	-	C	A	A	
HCM 95th %tile Q(veh)	-	-	0.1	0	-	

Intersection													
Int Delay, s/veh	0.9												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations													
Traffic Vol, veh/h	8	2	8	24	5	22	5	596	12	6	664	6	
Future Vol, veh/h	8	2	8	24	5	22	5	596	12	6	664	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield	
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	9	2	9	26	5	24	5	648	13	7	722	7	
Major/Minor													
Minor2		Minor1			Major1			Major2					
Conflicting Flow All	1073	1394	361	1034	1394	324	722	0	0	648	0	0	
Stage 1	736	736	-	658	658	-	-	-	-	-	-	-	
Stage 2	337	658	-	376	736	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	175	140	636	186	140	672	876	-	-	934	-	-	
Stage 1	377	423	-	420	459	-	-	-	-	-	-	-	
Stage 2	651	459	-	617	423	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	162	138	636	179	138	672	876	-	-	934	-	-	
Mov Cap-2 Maneuver	162	138	-	179	138	-	-	-	-	-	-	-	
Stage 1	375	420	-	417	456	-	-	-	-	-	-	-	
Stage 2	617	456	-	601	420	-	-	-	-	-	-	-	
Approach													
SE			NW			NE			SW				
HCM Control Delay, s	21.2		14.6			0.1			0.1				
HCM LOS	C		B										
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR
Capacity (veh/h)	876		-	-	138	672	157	636	934	-	-	-	-
HCM Lane V/C Ratio	0.006		-	-	0.039	0.036	0.069	0.014	0.007	-	-	-	-
HCM Control Delay (s)	9.1		-	-	32.2	10.6	29.6	10.7	8.9	-	-	-	-
HCM Lane LOS	A		-	-	D	B	D	B	A	-	-	-	-
HCM 95th %tile Q(veh)	0		-	-	0.1	0.1	0.2	0	0	-	-	-	-

Intersection						
Int Delay, s/veh	1.1					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑	↑↑	↑↑	
Traffic Vol, veh/h	13	20	15	772	1087	23
Future Vol, veh/h	13	20	15	772	1087	23
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	-	0	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	55	55	95	95	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	24	36	16	813	1169	25
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1621	597	1194	0	-	0
Stage 1	1182	-	-	-	-	-
Stage 2	439	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	94	446	580	-	-	-
Stage 1	254	-	-	-	-	-
Stage 2	617	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	91	446	580	-	-	-
Mov Cap-2 Maneuver	91	-	-	-	-	-
Stage 1	247	-	-	-	-	-
Stage 2	617	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	35.7	0.2		0		
HCM LOS	E					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	580	-	176	-	-	
HCM Lane V/C Ratio	0.027	-	0.341	-	-	
HCM Control Delay (s)	11.4	-	35.7	-	-	
HCM Lane LOS	B	-	E	-	-	
HCM 95th %tile Q(veh)	0.1	-	1.4	-	-	

Intersection

Int Delay, s/veh 3.3

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	59	728	1022	88	34	51
Future Vol, veh/h	59	728	1022	88	34	51
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	-	-	200	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	93	93	79	79
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	62	766	1099	95	43	65

Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	1194	0	-	0	1606	550
Stage 1	-	-	-	-	1099	-
Stage 2	-	-	-	-	507	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	580	-	-	-	96	479
Stage 1	-	-	-	-	281	-
Stage 2	-	-	-	-	570	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	580	-	-	-	86	479
Mov Cap-2 Maneuver	-	-	-	-	86	-
Stage 1	-	-	-	-	251	-
Stage 2	-	-	-	-	570	-

Approach	EB	WB	SB
HCM Control Delay, s	0.9	0	57.6
HCM LOS		F	

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	580	-	-	-	169
HCM Lane V/C Ratio	0.107	-	-	-	0.637
HCM Control Delay (s)	11.9	-	-	-	57.6
HCM Lane LOS	B	-	-	-	F
HCM 95th %tile Q(veh)	0.4	-	-	-	3.6

Intersection						
Int Delay, s/veh	6.7					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	Y
Traffic Vol, veh/h	90	697	976	134	47	71
Future Vol, veh/h	90	697	976	134	47	71
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	-	-	220	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	93	93	84	84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	95	734	1049	144	56	85
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	1193	0	-	0	1606	525
Stage 1	-	-	-	-	1049	-
Stage 2	-	-	-	-	557	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	581	-	-	-	96	497
Stage 1	-	-	-	-	298	-
Stage 2	-	-	-	-	537	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	581	-	-	-	80	497
Mov Cap-2 Maneuver	-	-	-	-	80	-
Stage 1	-	-	-	-	249	-
Stage 2	-	-	-	-	537	-
Approach	EB	WB	SB			
HCM Control Delay, s	1.4	0	95.1			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	581	-	-	-	162	
HCM Lane V/C Ratio	0.163	-	-	-	0.867	
HCM Control Delay (s)	12.4	-	-	-	95.1	
HCM Lane LOS	B	-	-	-	F	
HCM 95th %tile Q(veh)	0.6	-	-	-	6	

Intersection

Int Delay, s/veh 4.4

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	740	47	70	1040	50	33
Future Vol, veh/h	740	47	70	1040	50	33
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	93	93	74	74
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	779	49	75	1118	68	45

Major/Minor	Major1	Major2	Minor1		
Conflicting Flow All	0	0	828	0	1513
Stage 1	-	-	-	-	804
Stage 2	-	-	-	-	709
Critical Hdwy	-	-	4.14	-	6.84
Critical Hdwy Stg 1	-	-	-	-	5.84
Critical Hdwy Stg 2	-	-	-	-	5.84
Follow-up Hdwy	-	-	2.22	-	3.52
Pot Cap-1 Maneuver	-	-	799	-	111
Stage 1	-	-	-	-	401
Stage 2	-	-	-	-	449
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	799	-	101
Mov Cap-2 Maneuver	-	-	-	-	587
Stage 1	-	-	-	-	101
Stage 2	-	-	-	-	407

Approach	EB	WB	NB
HCM Control Delay, s	0	0.6	77.4
HCM LOS		F	

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	151	-	-	799	-
HCM Lane V/C Ratio	0.743	-	-	0.094	-
HCM Control Delay (s)	77.4	-	-	10	-
HCM Lane LOS	F	-	-	A	-
HCM 95th %tile Q(veh)	4.5	-	-	0.3	-

Intersection

Int Delay, s/veh 25.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	685	102	153	957	91	61
Future Vol, veh/h	685	102	153	957	91	61
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	93	93	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	721	107	165	1029	101	68

Major/Minor	Major1	Major2	Minor1		
Conflicting Flow All	0	0	828	0	1620
Stage 1	-	-	-	-	775
Stage 2	-	-	-	-	845
Critical Hdwy	-	-	4.14	-	6.84
Critical Hdwy Stg 1	-	-	-	-	5.84
Critical Hdwy Stg 2	-	-	-	-	5.84
Follow-up Hdwy	-	-	2.22	-	3.52
Pot Cap-1 Maneuver	-	-	799	-	~ 94
Stage 1	-	-	-	-	415
Stage 2	-	-	-	-	382
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	799	-	~ 75
Mov Cap-2 Maneuver	-	-	-	-	~ 75
Stage 1	-	-	-	-	415
Stage 2	-	-	-	-	303

Approach	EB	WB	NB
HCM Control Delay, s	0	1.5	\$ 320.1
HCM LOS		F	

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	115	-	-	799	-
HCM Lane V/C Ratio	1.469	-	-	0.206	-
HCM Control Delay (s)	\$ 320.1	-	-	10.7	-
HCM Lane LOS	F	-	-	B	-
HCM 95th %tile Q(veh)	12	-	-	0.8	-

Notes

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

Intersection													
Int Delay, s/veh	1.3												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations	↔			↔			↑	↑↓		↑	↑↓	↑	
Traffic Vol, veh/h	13	2	19	6	1	4	25	756	6	8	1065	37	
Future Vol, veh/h	13	2	19	6	1	4	25	756	6	8	1065	37	
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	-	-	Yield	-	-	Yield	
Storage Length	-	-	-	-	-	-	0	-	-	0	-	680	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	14	2	21	7	1	4	27	822	7	9	1158	40	
Major/Minor	Minor2	Minor1			Major1			Major2					
Conflicting Flow All	1642	2052	579	1478	2056	415	1158	0	0	822	0	0	
Stage 1	1176	1176	-	880	880	-	-	-	-	-	-	-	
Stage 2	466	876	-	598	1176	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	66	55	458	88	55	586	599	-	-	803	-	-	
Stage 1	203	263	-	308	363	-	-	-	-	-	-	-	
Stage 2	546	365	-	456	263	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	62	52	458	78	52	586	599	-	-	803	-	-	
Mov Cap-2 Maneuver	62	52	-	78	52	-	-	-	-	-	-	-	
Stage 1	194	260	-	294	347	-	-	-	-	-	-	-	
Stage 2	516	349	-	427	260	-	-	-	-	-	-	-	
Approach	SE		NW			NE			SW				
HCM Control Delay, s	49.4		42.8			0.4			0.1				
HCM LOS	E		E			A			-				
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR				
Capacity (veh/h)	599	-	-	107	117	803	-	-					
HCM Lane V/C Ratio	0.045	-	-	0.112	0.316	0.011	-	-					
HCM Control Delay (s)	11.3	-	-	42.8	49.4	9.5	-	-					
HCM Lane LOS	B	-	-	E	E	A	-	-					
HCM 95th %tile Q(veh)	0.1	-	-	0.4	1.2	0	-	-					

Intersection

Int Delay, s/veh 2

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	2	0	7	30	0	39	3	625	36	34	1041	3
Future Vol, veh/h	2	0	7	30	0	39	3	625	36	34	1041	3
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	-	-	Yield
Storage Length	-	-	-	-	-	-	-	-	-	-	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	2	0	8	33	0	42	3	679	39	37	1132	3

Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1552	1930	566	1345	1911	359	1132	0	0	718	0	0
Stage 1	1206	1206	-	705	705	-	-	-	-	-	-	-
Stage 2	346	724	-	640	1206	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	77	66	467	110	67	638	613	-	-	879	-	-
Stage 1	195	255	-	393	437	-	-	-	-	-	-	-
Stage 2	643	429	-	430	255	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	65	58	467	98	59	638	613	-	-	879	-	-
Mov Cap-2 Maneuver	65	58	-	98	59	-	-	-	-	-	-	-
Stage 1	193	226	-	390	434	-	-	-	-	-	-	-
Stage 2	595	426	-	375	226	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	24.2	36.3			0			0.8		
HCM LOS	C	E								
<hr/>										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR	
Capacity (veh/h)	613	-	-	188	197	879	-	-	-	
HCM Lane V/C Ratio	0.005	-	-	0.399	0.05	0.042	-	-	-	
HCM Control Delay (s)	10.9	0	-	36.3	24.2	9.3	0.5	-	-	
HCM Lane LOS	B	A	-	E	C	A	A	-	-	
HCM 95th %tile Q(veh)	0	-	-	1.8	0.2	0.1	-	-	-	

Intersection

Int Delay, s/veh 1.3

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑↑	↑↑	↑	
Traffic Vol, veh/h	23	31	49	606	659	66
Future Vol, veh/h	23	31	49	606	659	66
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	-	-	-	-	150
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	25	34	53	659	716	72

Major/Minor	Minor2	Major1	Major2			
Conflicting Flow All	1152	358	788	0	-	0
Stage 1	716	-	-	-	-	-
Stage 2	436	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	191	638	827	-	-	-
Stage 1	445	-	-	-	-	-
Stage 2	619	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	172	638	827	-	-	-
Mov Cap-2 Maneuver	172	-	-	-	-	-
Stage 1	400	-	-	-	-	-
Stage 2	619	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	20.1	1.1	0
HCM LOS	C		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR
Capacity (veh/h)	827	-	296	-	-
HCM Lane V/C Ratio	0.064	-	0.198	-	-
HCM Control Delay (s)	9.7	0.4	20.1	-	-
HCM Lane LOS	A	A	C	-	-
HCM 95th %tile Q(veh)	0.2	-	0.7	-	-

Intersection						
Int Delay, s/veh	0.2					
Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	W	↑↑		↑↑		
Traffic Vol, veh/h	5	4	648	7	5	671
Future Vol, veh/h	5	4	648	7	5	671
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	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	5	4	704	8	5	729
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1083	356	0	0	712	0
Stage 1	708	-	-	-	-	-
Stage 2	375	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	212	640	-	-	884	-
Stage 1	449	-	-	-	-	-
Stage 2	665	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	210	640	-	-	884	-
Mov Cap-2 Maneuver	210	-	-	-	-	-
Stage 1	449	-	-	-	-	-
Stage 2	658	-	-	-	-	-
Approach	NW	NE	SW			
HCM Control Delay, s	17.4	0	0.1			
HCM LOS	C					
Minor Lane/Major Mvmt	NET	NERNWLn1	SWL	SWT		
Capacity (veh/h)	-	-	299	884	-	
HCM Lane V/C Ratio	-	-	0.033	0.006	-	
HCM Control Delay (s)	-	-	17.4	9.1	0	
HCM Lane LOS	-	-	C	A	A	
HCM 95th %tile Q(veh)	-	-	0.1	0	-	

Intersection													
Int Delay, s/veh 1.1													
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations	↖ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗												
Traffic Vol, veh/h	8	2	11	32	6	24	6	635	14	8	745	8	
Future Vol, veh/h	8	2	11	32	6	24	6	635	14	8	745	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield	
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	9	2	12	35	7	26	7	690	15	9	810	9	
Major/Minor													
Minor2		Minor1			Major1			Major2					
Conflicting Flow All	1191	1532	405	1128	1532	345	810	0	0	690	0	0	
Stage 1	828	828	-	704	704	-	-	-	-	-	-	-	
Stage 2	363	704	-	424	828	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	143	116	595	159	116	651	812	-	-	900	-	-	
Stage 1	332	384	-	394	438	-	-	-	-	-	-	-	
Stage 2	628	438	-	578	384	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	129	114	595	151	114	651	812	-	-	900	-	-	
Mov Cap-2 Maneuver	129	114	-	151	114	-	-	-	-	-	-	-	
Stage 1	329	380	-	390	434	-	-	-	-	-	-	-	
Stage 2	589	434	-	558	380	-	-	-	-	-	-	-	
Approach													
SE			NW			NE			SW				
HCM Control Delay, s	23.2		16.3			0.1			0.1				
HCM LOS	C		C										
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR
Capacity (veh/h)	812		-	-	114	651	126	595	900	-	-	-	-
HCM Lane V/C Ratio	0.008		-	-	0.057	0.04	0.086	0.02	0.01	-	-	-	-
HCM Control Delay (s)	9.5		-	-	38.5	10.8	36.3	11.2	9	-	-	-	-
HCM Lane LOS	A		-	-	E	B	E	B	A	-	-	-	-
HCM 95th %tile Q(veh)	0		-	-	0.2	0.1	0.3	0.1	0	-	-	-	-

Intersection						
Int Delay, s/veh	1.7					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑	↑↑	↑↑	
Traffic Vol, veh/h	37	19	14	1162	604	7
Future Vol, veh/h	37	19	14	1162	604	7
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	-	0	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	64	64	90	90	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	58	30	16	1317	662	8
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1357	335	670	0	-	0
Stage 1	666	-	-	-	-	-
Stage 2	691	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	140	661	916	-	-	-
Stage 1	472	-	-	-	-	-
Stage 2	459	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	138	661	916	-	-	-
Mov Cap-2 Maneuver	138	-	-	-	-	-
Stage 1	464	-	-	-	-	-
Stage 2	459	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	39.5	0.1		0		
HCM LOS	E					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	916	-	189	-	-	
HCM Lane V/C Ratio	0.017	-	0.463	-	-	
HCM Control Delay (s)	9	-	39.5	-	-	
HCM Lane LOS	A	-	E	-	-	
HCM 95th %tile Q(veh)	0.1	-	2.2	-	-	

Intersection						
Int Delay, s/veh	6.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	Y
Traffic Vol, veh/h	40	1136	590	21	82	43
Future Vol, veh/h	40	1136	590	21	82	43
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	-	-	200	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	89	89	93	93	82	82
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	45	1302	647	23	100	52
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	670	0	-	0	1388	324
Stage 1	-	-	-	-	647	-
Stage 2	-	-	-	-	741	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	916	-	-	-	134	672
Stage 1	-	-	-	-	483	-
Stage 2	-	-	-	-	432	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	916	-	-	-	127	672
Mov Cap-2 Maneuver	-	-	-	-	127	-
Stage 1	-	-	-	-	459	-
Stage 2	-	-	-	-	432	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.3	0	89.6			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	916	-	-	-	176	
HCM Lane V/C Ratio	0.049	-	-	-	0.866	
HCM Control Delay (s)	9.1	-	-	-	89.6	
HCM Lane LOS	A	-	-	-	F	
HCM 95th %tile Q(veh)	0.2	-	-	-	6.2	

Intersection						
Int Delay, s/veh	56.6					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	80	1096	569	42	127	68
Future Vol, veh/h	80	1096	569	42	127	68
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	-	-	220	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	89	89	93	93	67	67
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	90	1256	624	45	190	101
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	669	0	-	0	1432	312
Stage 1	-	-	-	-	624	-
Stage 2	-	-	-	-	808	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	917	-	-	-	~ 125	684
Stage 1	-	-	-	-	496	-
Stage 2	-	-	-	-	399	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	917	-	-	-	~ 113	684
Mov Cap-2 Maneuver	-	-	-	-	~ 113	-
Stage 1	-	-	-	-	447	-
Stage 2	-	-	-	-	399	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.6	0	\$ 445.9			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	917	-	-	-	159	
HCM Lane V/C Ratio	0.098	-	-	-	1.83	
HCM Control Delay (s)	9.4	-	-	-	\$ 445.9	
HCM Lane LOS	A	-	-	-	F	
HCM 95th %tile Q(veh)	0.3	-	-	-	21.6	
Notes						
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon

Intersection						
Int Delay, s/veh	6.2					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↓		↑	↑↑	Y	
Traffic Vol, veh/h	1128	48	26	585	37	69
Future Vol, veh/h	1128	48	26	585	37	69
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	93	93	74	74
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1278	53	28	642	50	93
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	1331	0	1682	666
Stage 1	-	-	-	-	1305	-
Stage 2	-	-	-	-	377	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	514	-	85	402
Stage 1	-	-	-	-	218	-
Stage 2	-	-	-	-	663	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	514	-	80	402
Mov Cap-2 Maneuver	-	-	-	-	80	-
Stage 1	-	-	-	-	218	-
Stage 2	-	-	-	-	627	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.5	91.2			
HCM LOS			F			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	167	-	-	514	-	
HCM Lane V/C Ratio	0.858	-	-	0.054	-	
HCM Control Delay (s)	91.2	-	-	12.4	-	
HCM Lane LOS	F	-	-	B	-	
HCM 95th %tile Q(veh)	6	-	-	0.2	-	

Intersection						
Int Delay, s/veh	23.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↓		↑	↑↑	Y	
Traffic Vol, veh/h	1096	80	42	569	59	112
Future Vol, veh/h	1096	80	42	569	59	112
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	93	93	79	79
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1242	89	45	624	75	142
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	1331	0	1689	666
Stage 1	-	-	-	-	1287	-
Stage 2	-	-	-	-	402	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	514	-	84	402
Stage 1	-	-	-	-	223	-
Stage 2	-	-	-	-	644	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	514	-	77	402
Mov Cap-2 Maneuver	-	-	-	-	77	-
Stage 1	-	-	-	-	223	-
Stage 2	-	-	-	-	587	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.9	233.9			
HCM LOS			F			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	164	-	-	514	-	
HCM Lane V/C Ratio	1.32	-	-	0.088	-	
HCM Control Delay (s)	233.9	-	-	12.7	-	
HCM Lane LOS	F	-	-	B	-	
HCM 95th %tile Q(veh)	12.9	-	-	0.3	-	

Intersection												
Int Delay, s/veh	1.9											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗			↖ ↗			↖ ↗	↑ ↗		↖ ↗	↑ ↗	↖ ↗
Traffic Vol, veh/h	35	3	18	5	1	9	10	1163	3	2	603	6
Future Vol, veh/h	35	3	18	5	1	9	10	1163	3	2	603	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	-	-	-	-	-	-	0	-	-	0	-	680
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	38	3	20	5	1	10	11	1289	3	2	669	7
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1340	1987	335	1653	1993	646	676	0	0	1292	0	0
Stage 1	673	673	-	1313	1313	-	-	-	-	-	-	-
Stage 2	667	1314	-	340	680	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	111	60	661	65	60	414	911	-	-	532	-	-
Stage 1	411	452	-	167	226	-	-	-	-	-	-	-
Stage 2	414	226	-	648	449	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	106	59	661	60	59	414	911	-	-	532	-	-
Mov Cap-2 Maneuver	106	59	-	60	59	-	-	-	-	-	-	-
Stage 1	406	450	-	165	223	-	-	-	-	-	-	-
Stage 2	397	223	-	622	447	-	-	-	-	-	-	-
Approach	SE		NW			NE			SW			
HCM Control Delay, s	50.8		38.7			0.1			0			
HCM LOS	F		E									
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR			
Capacity (veh/h)	911	-	-	123	137	532	-	-				
HCM Lane V/C Ratio	0.012	-	-	0.133	0.444	0.004	-	-				
HCM Control Delay (s)	9	-	-	38.7	50.8	11.8	-	-				
HCM Lane LOS	A	-	-	E	F	B	-	-				
HCM 95th %tile Q(veh)	0	-	-	0.4	2	0	-	-				

Intersection												
Int Delay, s/veh	1.5											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖↑			↖↑			↖↑	↖↑		↖↑	↖↑	↑
Traffic Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	7
Future Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	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	-	-	Yield
Storage Length	-	-	-	-	-	-	-	-	-	-	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	75	75	75	75	75	75	88	88	88	84	84	84
Heavy Vehicles, %	8	8	8	14	14	14	2	2	2	3	3	2
Mvmt Flow	5	4	27	14	0	41	5	1093	30	12	503	8
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1084	1660	252	1396	1645	562	503	0	0	1123	0	0
Stage 1	527	527	-	1118	1118	-	-	-	-	-	-	-
Stage 2	557	1133	-	278	527	-	-	-	-	-	-	-
Critical Hdwy	7.66	6.66	7.06	7.78	6.78	7.18	4.14	-	-	4.16	-	-
Critical Hdwy Stg 1	6.66	5.66	-	6.78	5.78	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.66	5.66	-	6.78	5.78	-	-	-	-	-	-	-
Follow-up Hdwy	3.58	4.08	3.38	3.64	4.14	3.44	2.22	-	-	2.23	-	-
Pot Cap-1 Maneuver	164	91	730	90	87	441	1058	-	-	612	-	-
Stage 1	487	512	-	201	257	-	-	-	-	-	-	-
Stage 2	467	264	-	672	498	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	144	87	730	81	84	441	1058	-	-	612	-	-
Mov Cap-2 Maneuver	144	87	-	81	84	-	-	-	-	-	-	-
Stage 1	481	498	-	198	254	-	-	-	-	-	-	-
Stage 2	418	261	-	625	485	-	-	-	-	-	-	-
Approach	SE		NW			NE			SW			
HCM Control Delay, s	18.6		28.2			0.1			0.4			
HCM LOS	C		D									
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR			
Capacity (veh/h)	1058	-	-	209	301	612	-	-				
HCM Lane V/C Ratio	0.004	-	-	0.26	0.12	0.02	-	-				
HCM Control Delay (s)	8.4	0.1	-	28.2	18.6	11	0.1	-				
HCM Lane LOS	A	A	-	D	C	B	A	-				
HCM 95th %tile Q(veh)	0	-	-	1	0.4	0.1	-	-				

Intersection						
Int Delay, s/veh	1.3					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	45	21	19	958	454	9
Future Vol, veh/h	45	21	19	958	454	9
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	-	-	-	-	150
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	49	23	21	1062	493	10
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1066	247	503	0	-	0
Stage 1	493	-	-	-	-	-
Stage 2	573	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	217	753	1058	-	-	-
Stage 1	579	-	-	-	-	-
Stage 2	527	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	207	753	1058	-	-	-
Mov Cap-2 Maneuver	207	-	-	-	-	-
Stage 1	551	-	-	-	-	-
Stage 2	527	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	23.2	0.4		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	1058	-	269	-	-	
HCM Lane V/C Ratio	0.02	-	0.267	-	-	
HCM Control Delay (s)	8.5	0.2	23.2	-	-	
HCM Lane LOS	A	A	C	-	-	
HCM 95th %tile Q(veh)	0.1	-	1	-	-	

Intersection						
Int Delay, s/veh	0.2					
Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	W	↑↑		↑↑		
Traffic Vol, veh/h	4	10	974	3	2	461
Future Vol, veh/h	4	10	974	3	2	461
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	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	11	1186	3	2	511
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1448	595	0	0	1189	0
Stage 1	1188	-	-	-	-	-
Stage 2	260	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	122	447	-	-	583	-
Stage 1	252	-	-	-	-	-
Stage 2	760	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	121	447	-	-	583	-
Mov Cap-2 Maneuver	121	-	-	-	-	-
Stage 1	252	-	-	-	-	-
Stage 2	756	-	-	-	-	-
Approach	NW	NE		SW		
HCM Control Delay, s	20.1	0		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NET	NER	NWL	Ln1	SWL	SWT
Capacity (veh/h)	-	-	253	583	-	-
HCM Lane V/C Ratio	-	-	0.06	0.004	-	-
HCM Control Delay (s)	-	-	20.1	11.2	0	-
HCM Lane LOS	-	-	C	B	A	-
HCM 95th %tile Q(veh)	-	-	0.2	0	-	-

Intersection												
Int Delay, s/veh	0.6											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗	↖ ↗	↑ ↗	↑ ↗	↖ ↗	↖ ↗	↖ ↗	↑↑ ↗	↖ ↗	↖ ↗	↑↑ ↗	↖ ↗
Traffic Vol, veh/h	8	1	3	8	3	18	13	927	37	6	440	17
Future Vol, veh/h	8	1	3	8	3	18	13	927	37	6	440	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	1	3	9	3	20	14	1028	40	7	488	18
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1046	1558	244	1315	1558	514	488	0	0	1028	0	0
Stage 1	502	502	-	1056	1056	-	-	-	-	-	-	-
Stage 2	544	1056	-	259	502	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	183	111	757	116	111	505	1071	-	-	671	-	-
Stage 1	520	540	-	241	300	-	-	-	-	-	-	-
Stage 2	491	300	-	723	540	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	169	108	757	113	108	505	1071	-	-	671	-	-
Mov Cap-2 Maneuver	169	108	-	113	108	-	-	-	-	-	-	-
Stage 1	513	535	-	238	296	-	-	-	-	-	-	-
Stage 2	461	296	-	711	535	-	-	-	-	-	-	-
Approach	SE	NW			NE			SW				
HCM Control Delay, s	24.3	16.3			0.1			0.1				
HCM LOS	C	C										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR	
Capacity (veh/h)	1071	-	-	108	505	159	757	671	-	-	-	
HCM Lane V/C Ratio	0.013	-	-	0.03	0.039	0.062	0.004	0.01	-	-	-	
HCM Control Delay (s)	8.4	-	-	39.4	12.4	29.1	9.8	10.4	-	-	-	
HCM Lane LOS	A	-	-	E	B	D	A	B	-	-	-	
HCM 95th %tile Q(veh)	0	-	-	0.1	0.1	0.2	0	0	-	-	-	

Intersection						
Int Delay, s/veh	0.5					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑	↑↑	↑↑	
Traffic Vol, veh/h	10	10	14	610	580	14
Future Vol, veh/h	10	10	14	610	580	14
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	-	0	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	62	87	87	87	96	96
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	16	11	16	715	616	15
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1014	316	631	0	-	0
Stage 1	624	-	-	-	-	-
Stage 2	390	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	235	680	947	-	-	-
Stage 1	496	-	-	-	-	-
Stage 2	653	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	231	680	947	-	-	-
Mov Cap-2 Maneuver	231	-	-	-	-	-
Stage 1	488	-	-	-	-	-
Stage 2	653	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	17.4	0.2		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	947	-	319	-	-	
HCM Lane V/C Ratio	0.017	-	0.087	-	-	
HCM Control Delay (s)	8.9	-	17.4	-	-	
HCM Lane LOS	A	-	C	-	-	
HCM 95th %tile Q(veh)	0.1	-	0.3	-	-	

Intersection

Int Delay, s/veh 1.4

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	26	598	570	24	39	37
Future Vol, veh/h	26	598	570	24	39	37
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	-	-	200	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	96	96	83	83
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	30	701	606	25	47	45

Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	631	0	-	0	1017	303
Stage 1	-	-	-	-	606	-
Stage 2	-	-	-	-	411	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	947	-	-	-	234	693
Stage 1	-	-	-	-	507	-
Stage 2	-	-	-	-	638	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	947	-	-	-	227	693
Mov Cap-2 Maneuver	-	-	-	-	227	-
Stage 1	-	-	-	-	491	-
Stage 2	-	-	-	-	638	-

Approach	EB	WB	SB
HCM Control Delay, s	0.4	0	19.6
HCM LOS		C	

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	947	-	-	-	337
HCM Lane V/C Ratio	0.032	-	-	-	0.272
HCM Control Delay (s)	8.9	-	-	-	19.6
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0.1	-	-	-	1.1

Intersection						
Int Delay, s/veh	3.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	53	571	544	50	71	68
Future Vol, veh/h	53	571	544	50	71	68
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	-	-	220	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	96	96	81	81
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	61	669	578	52	88	84
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	630	0	-	0	1035	289
Stage 1	-	-	-	-	578	-
Stage 2	-	-	-	-	457	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	948	-	-	-	228	708
Stage 1	-	-	-	-	524	-
Stage 2	-	-	-	-	604	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	948	-	-	-	213	708
Mov Cap-2 Maneuver	-	-	-	-	213	-
Stage 1	-	-	-	-	490	-
Stage 2	-	-	-	-	604	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.8	0	28			
HCM LOS			D			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	948	-	-	-	324	
HCM Lane V/C Ratio	0.064	-	-	-	0.53	
HCM Control Delay (s)	9.1	-	-	-	28	
HCM Lane LOS	A	-	-	-	D	
HCM 95th %tile Q(veh)	0.2	-	-	-	2.9	

Intersection						
Int Delay, s/veh	2.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	587	37	36	558	44	46
Future Vol, veh/h	587	37	36	558	44	46
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	87	87	96	96	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	688	43	38	593	56	59
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	731	0	1083	366
Stage 1	-	-	-	-	710	-
Stage 2	-	-	-	-	373	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	869	-	212	631
Stage 1	-	-	-	-	448	-
Stage 2	-	-	-	-	666	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	869	-	203	631
Mov Cap-2 Maneuver	-	-	-	-	203	-
Stage 1	-	-	-	-	448	-
Stage 2	-	-	-	-	637	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.6	23.2			
HCM LOS			C			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	311	-	-	869	-	
HCM Lane V/C Ratio	0.371	-	-	0.043	-	
HCM Control Delay (s)	23.2	-	-	9.3	-	
HCM Lane LOS	C	-	-	A	-	
HCM 95th %tile Q(veh)	1.7	-	-	0.1	-	

Intersection						
Int Delay, s/veh	3.9					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	568	56	54	540	61	64
Future Vol, veh/h	568	56	54	540	61	64
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	87	87	96	96	73	73
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	666	64	56	574	84	88
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	730	0	1097	365
Stage 1	-	-	-	-	698	-
Stage 2	-	-	-	-	399	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	870	-	207	632
Stage 1	-	-	-	-	455	-
Stage 2	-	-	-	-	647	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	870	-	194	632
Mov Cap-2 Maneuver	-	-	-	-	194	-
Stage 1	-	-	-	-	455	-
Stage 2	-	-	-	-	606	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.8	31.6			
HCM LOS			D			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	301	-	-	870	-	
HCM Lane V/C Ratio	0.569	-	-	0.065	-	
HCM Control Delay (s)	31.6	-	-	9.4	-	
HCM Lane LOS	D	-	-	A	-	
HCM 95th %tile Q(veh)	3.3	-	-	0.2	-	

Intersection												
Int Delay, s/veh 0.6												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↔			↔			↑	↑↓		↑	↑↑	↑
Traffic Vol, veh/h	11	1	10	3	0	3	20	599	5	4	570	20
Future Vol, veh/h	11	1	10	3	0	3	20	599	5	4	570	20
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	-	-	-	-	-	-	0	-	-	0	-	680
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	12	1	11	3	0	3	22	664	5	4	632	22
Major/Minor												
Minor2		Minor1			Major1			Major2				
Conflicting Flow All	1016	1353	316	1036	1373	335	654	0	0	669	0	0
Stage 1	640	640	-	711	711	-	-	-	-	-	-	-
Stage 2	376	713	-	325	662	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	192	149	680	186	145	661	929	-	-	917	-	-
Stage 1	430	468	-	390	434	-	-	-	-	-	-	-
Stage 2	617	434	-	661	457	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	187	145	680	178	141	661	929	-	-	917	-	-
Mov Cap-2 Maneuver	187	145	-	178	141	-	-	-	-	-	-	-
Stage 1	420	466	-	381	424	-	-	-	-	-	-	-
Stage 2	599	424	-	646	455	-	-	-	-	-	-	-
Approach												
SE			NW			NE			SW			
HCM Control Delay, s	19.4		18.2			0.3			0.1			
HCM LOS	C		C									
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR	
Capacity (veh/h)	929		-	-	280	274	917	-	-	-	-	
HCM Lane V/C Ratio	0.023		-	-	0.023	0.087	0.005	-	-	-	-	
HCM Control Delay (s)	9		-	-	18.2	19.4	8.9	-	-	-	-	
HCM Lane LOS	A		-	-	C	C	A	-	-	-	-	
HCM 95th %tile Q(veh)	0.1		-	-	0.1	0.3	0	-	-	-	-	

Intersection													
Int Delay, s/veh 2.1													
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations	↖ ↗			↖ ↗			↖ ↗	↖ ↗		↖ ↗	↖ ↗	↗	
Traffic Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	180	
Future Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	180	
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	-	-	Yield	
Storage Length	-	-	-	-	-	-	-	-	-	-	-	450	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	52	52	52	86	86	86	89	89	89	95	95	95	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	12	6	35	26	3	47	10	670	34	32	676	189	
Major/Minor													
Minor2		Minor1			Major1			Major2					
Conflicting Flow All	1097	1464	338	1112	1447	352	676	0	0	704	0	0	
Stage 1	740	740	-	707	707	-	-	-	-	-	-	-	
Stage 2	357	724	-	405	740	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	168	127	658	163	130	644	911	-	-	890	-	-	
Stage 1	375	421	-	392	436	-	-	-	-	-	-	-	
Stage 2	633	429	-	593	421	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	142	116	658	139	118	644	911	-	-	890	-	-	
Mov Cap-2 Maneuver	142	116	-	139	118	-	-	-	-	-	-	-	
Stage 1	368	391	-	385	428	-	-	-	-	-	-	-	
Stage 2	571	421	-	514	391	-	-	-	-	-	-	-	
Approach													
SE			NW			NE			SW				
HCM Control Delay, s	20.6		24.1			0.2			0.6				
HCM LOS	C		C										
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR		
Capacity (veh/h)	911		-	-	265	283	890	-	-	-	-		
HCM Lane V/C Ratio	0.011		-	-	0.291	0.183	0.036	-	-	-	-		
HCM Control Delay (s)	9	0.1	-	24.1	20.6	9.2	0.3	-	-	-	-		
HCM Lane LOS	A	A	-	C	C	A	A	-	-	-	-		
HCM 95th %tile Q(veh)	0	-	-	1.2	0.7	0.1	-	-	-	-	-		

Intersection						
Int Delay, s/veh	0.8					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	19	21	18	595	657	19
Future Vol, veh/h	19	21	18	595	657	19
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	-	-	-	-	150
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	21	23	20	660	728	21
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1098	364	749	0	-	0
Stage 1	728	-	-	-	-	-
Stage 2	370	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	207	633	856	-	-	-
Stage 1	439	-	-	-	-	-
Stage 2	669	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	199	633	856	-	-	-
Mov Cap-2 Maneuver	199	-	-	-	-	-
Stage 1	423	-	-	-	-	-
Stage 2	669	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	18.4	0.5		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	856	-	311	-	-	
HCM Lane V/C Ratio	0.023	-	0.14	-	-	
HCM Control Delay (s)	9.3	0.2	18.4	-	-	
HCM Lane LOS	A	A	C	-	-	
HCM 95th %tile Q(veh)	0.1	-	0.5	-	-	

Intersection						
Int Delay, s/veh	0.1					
Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	W		↑↓		↑↓	
Traffic Vol, veh/h	3	2	608	5	5	671
Future Vol, veh/h	3	2	608	5	5	671
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	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	3	2	674	5	6	729
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1054	340	0	0	679	0
Stage 1	677	-	-	-	-	-
Stage 2	377	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	221	656	-	-	909	-
Stage 1	466	-	-	-	-	-
Stage 2	663	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	219	656	-	-	909	-
Mov Cap-2 Maneuver	219	-	-	-	-	-
Stage 1	466	-	-	-	-	-
Stage 2	656	-	-	-	-	-
Approach	NW	NE	SW			
HCM Control Delay, s	17.3	0	0.1			
HCM LOS	C					
Minor Lane/Major Mvmt	NET	NERNWLn1	SWL	SWT		
Capacity (veh/h)	-	-	299	909		
HCM Lane V/C Ratio	-	-	0.018	0.006		
HCM Control Delay (s)	-	-	17.3	9		
HCM Lane LOS	-	-	C	A		
HCM 95th %tile Q(veh)	-	-	0.1	0		

Intersection													
Int Delay, s/veh	1												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations													
Traffic Vol, veh/h	8	2	8	24	5	22	5	596	12	14	656	6	
Future Vol, veh/h	8	2	8	24	5	22	5	596	12	14	656	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield	
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	9	2	9	26	5	24	5	661	13	15	727	7	
Major/Minor													
Minor2		Minor1			Major1			Major2					
Conflicting Flow All	1100	1428	364	1066	1428	331	727	0	0	661	0	0	
Stage 1	757	757	-	671	671	-	-	-	-	-	-	-	
Stage 2	343	671	-	395	757	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	167	134	633	177	134	665	872	-	-	923	-	-	
Stage 1	366	414	-	412	453	-	-	-	-	-	-	-	
Stage 2	646	453	-	602	414	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	153	131	633	170	131	665	872	-	-	923	-	-	
Mov Cap-2 Maneuver	153	131	-	170	131	-	-	-	-	-	-	-	
Stage 1	364	407	-	410	450	-	-	-	-	-	-	-	
Stage 2	612	450	-	581	407	-	-	-	-	-	-	-	
Approach													
SE			NW			NE			SW				
HCM Control Delay, s	22.1		14.9			0.1			0.2				
HCM LOS	C		B										
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR
Capacity (veh/h)	872		-	-	131	665	148	633	923	-	-	-	-
HCM Lane V/C Ratio	0.006		-	-	0.041	0.036	0.073	0.014	0.016	-	-	-	-
HCM Control Delay (s)	9.2		-	-	33.7	10.6	31.2	10.8	9	-	-	-	-
HCM Lane LOS	A		-	-	D	B	D	B	A	-	-	-	-
HCM 95th %tile Q(veh)	0		-	-	0.1	0.1	0.2	0	0.1	-	-	-	-

Intersection						
Int Delay, s/veh	1.1					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑	↑↑	↑↑	
Traffic Vol, veh/h	13	20	15	772	1087	23
Future Vol, veh/h	13	20	15	772	1087	23
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	-	0	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	55	55	95	95	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	24	36	16	829	1192	25
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1652	609	1217	0	-	0
Stage 1	1205	-	-	-	-	-
Stage 2	447	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	89	438	569	-	-	-
Stage 1	247	-	-	-	-	-
Stage 2	611	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	87	438	569	-	-	-
Mov Cap-2 Maneuver	87	-	-	-	-	-
Stage 1	240	-	-	-	-	-
Stage 2	611	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	37.6	0.2		0		
HCM LOS	E					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	569	-	169	-	-	
HCM Lane V/C Ratio	0.028	-	0.355	-	-	
HCM Control Delay (s)	11.5	-	37.6	-	-	
HCM Lane LOS	B	-	E	-	-	
HCM 95th %tile Q(veh)	0.1	-	1.5	-	-	

Intersection						
Int Delay, s/veh	3.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	59	728	1022	88	34	51
Future Vol, veh/h	59	728	1022	88	34	51
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	-	-	200	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	93	93	79	79
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	62	782	1121	95	43	65
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	1216	0	-	0	1636	561
Stage 1	-	-	-	-	1121	-
Stage 2	-	-	-	-	515	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	569	-	-	-	92	471
Stage 1	-	-	-	-	273	-
Stage 2	-	-	-	-	565	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	569	-	-	-	82	471
Mov Cap-2 Maneuver	-	-	-	-	82	-
Stage 1	-	-	-	-	243	-
Stage 2	-	-	-	-	565	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.9	0	62			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	569	-	-	-	163	
HCM Lane V/C Ratio	0.109	-	-	-	0.66	
HCM Control Delay (s)	12.1	-	-	-	62	
HCM Lane LOS	B	-	-	-	F	
HCM 95th %tile Q(veh)	0.4	-	-	-	3.8	

Intersection						
Int Delay, s/veh	7.3					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	90	697	976	124	47	71
Future Vol, veh/h	90	697	976	124	47	71
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	-	-	220	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	93	93	84	84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	95	748	1070	133	56	85
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	1203	0	-	0	1634	535
Stage 1	-	-	-	-	1070	-
Stage 2	-	-	-	-	564	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	576	-	-	-	92	490
Stage 1	-	-	-	-	291	-
Stage 2	-	-	-	-	533	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	576	-	-	-	77	490
Mov Cap-2 Maneuver	-	-	-	-	77	-
Stage 1	-	-	-	-	243	-
Stage 2	-	-	-	-	533	-
Approach	EB	WB	SB			
HCM Control Delay, s	1.4	0	104.9			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	576	-	-	-	156	
HCM Lane V/C Ratio	0.164	-	-	-	0.9	
HCM Control Delay (s)	12.5	-	-	-	104.9	
HCM Lane LOS	B	-	-	-	F	
HCM 95th %tile Q(veh)	0.6	-	-	-	6.4	

Intersection						
Int Delay, s/veh	4.8					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	740	47	70	1040	50	33
Future Vol, veh/h	740	47	70	1040	50	33
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	93	93	74	74
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	795	49	75	1141	68	45
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	844	0	1541	422
Stage 1	-	-	-	-	820	-
Stage 2	-	-	-	-	721	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	788	-	106	580
Stage 1	-	-	-	-	393	-
Stage 2	-	-	-	-	443	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	788	-	96	580
Mov Cap-2 Maneuver	-	-	-	-	96	-
Stage 1	-	-	-	-	393	-
Stage 2	-	-	-	-	401	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.6	86.3			
HCM LOS			F			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	144	-	-	788	-	
HCM Lane V/C Ratio	0.779	-	-	0.096	-	
HCM Control Delay (s)	86.3	-	-	10.1	-	
HCM Lane LOS	F	-	-	B	-	
HCM 95th %tile Q(veh)	4.8	-	-	0.3	-	

Intersection						
Int Delay, s/veh	27.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↓		↑	↑↑	Y	
Traffic Vol, veh/h	685	102	153	947	91	61
Future Vol, veh/h	685	102	153	947	91	61
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	93	93	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	735	107	165	1039	101	68
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	842	0	1639	421
Stage 1	-	-	-	-	789	-
Stage 2	-	-	-	-	850	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	789	-	~ 91	581
Stage 1	-	-	-	-	408	-
Stage 2	-	-	-	-	379	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	789	-	~ 72	581
Mov Cap-2 Maneuver	-	-	-	-	~ 72	-
Stage 1	-	-	-	-	408	-
Stage 2	-	-	-	-	300	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	1.5	\$ 344.4			
HCM LOS			F			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	111	-	-	789	-	
HCM Lane V/C Ratio	1.522	-	-	0.209	-	
HCM Control Delay (s)	\$ 344.4	-	-	10.8	-	
HCM Lane LOS	F	-	-	B	-	
HCM 95th %tile Q(veh)	12.4	-	-	0.8	-	
Notes						
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon

Intersection												
Int Delay, s/veh	1.4											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↔			↔			↑	↑↓		↑	↑↓	↑
Traffic Vol, veh/h	13	2	19	6	1	4	25	756	6	8	1065	37
Future Vol, veh/h	13	2	19	6	1	4	25	756	6	8	1065	37
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	-	-	-	-	-	-	0	-	-	0	-	680
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	14	2	21	7	1	4	27	838	7	9	1181	40
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1673	2098	591	1506	2135	423	1221	0	0	845	0	0
Stage 1	1199	1199	-	896	896	-	-	-	-	-	-	-
Stage 2	474	899	-	610	1239	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	62	51	450	83	49	579	567	-	-	787	-	-
Stage 1	197	257	-	301	357	-	-	-	-	-	-	-
Stage 2	540	356	-	448	246	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	58	48	450	73	46	579	567	-	-	787	-	-
Mov Cap-2 Maneuver	58	48	-	73	46	-	-	-	-	-	-	-
Stage 1	188	254	-	287	340	-	-	-	-	-	-	-
Stage 2	509	339	-	419	243	-	-	-	-	-	-	-
Approach	SE	NW			NE			SW				
HCM Control Delay, s	53.5	46.3			0.4			0.1				
HCM LOS	F	E										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR			
Capacity (veh/h)	567	-	-	99	110	787	-	-				
HCM Lane V/C Ratio	0.048	-	-	0.121	0.336	0.011	-	-				
HCM Control Delay (s)	11.7	-	-	46.3	53.5	9.6	-	-				
HCM Lane LOS	B	-	-	E	F	A	-	-				
HCM 95th %tile Q(veh)	0.2	-	-	0.4	1.3	0	-	-				

Intersection												
Int Delay, s/veh	3											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗			↖ ↗			↖ ↗	↖ ↗		↖ ↗	↖ ↗	↗
Traffic Vol, veh/h	2	0	7	30	1	39	3	625	36	34	1041	3
Future Vol, veh/h	2	0	7	30	1	39	3	625	36	34	1041	3
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	-	-	Yield
Storage Length	-	-	-	-	-	-	-	-	-	-	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	63	63	63	72	72	72	92	92	92	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	3	0	11	43	1	55	3	693	40	37	1142	3
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1569	1955	571	1364	1935	367	1142	0	0	733	0	0
Stage 1	1216	1216	-	719	719	-	-	-	-	-	-	-
Stage 2	353	739	-	645	1216	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	75	63	464	106	65	630	608	-	-	868	-	-
Stage 1	192	252	-	386	431	-	-	-	-	-	-	-
Stage 2	637	422	-	427	252	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	61	55	464	94	57	630	608	-	-	868	-	-
Mov Cap-2 Maneuver	61	55	-	94	57	-	-	-	-	-	-	-
Stage 1	190	223	-	383	428	-	-	-	-	-	-	-
Stage 2	575	419	-	368	223	-	-	-	-	-	-	-
Approach	SE			NW			NE			SW		
HCM Control Delay, s	25.7			49			0			0.8		
HCM LOS	D			E								
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR			
Capacity (veh/h)	608	-	-	176	188	868	-	-				
HCM Lane V/C Ratio	0.005	-	-	0.563	0.076	0.043	-	-				
HCM Control Delay (s)	11	0	-	49	25.7	9.3	0.5	-				
HCM Lane LOS	B	A	-	E	D	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	3	0.2	0.1	-	-				

Intersection						
Int Delay, s/veh	1.3					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑↑	↑↑	↑	
Traffic Vol, veh/h	23	31	49	606	695	66
Future Vol, veh/h	23	31	49	606	695	66
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	-	-	-	-	150
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	25	34	53	672	771	72
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1213	386	843	0	-	0
Stage 1	771	-	-	-	-	-
Stage 2	442	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	174	612	789	-	-	-
Stage 1	417	-	-	-	-	-
Stage 2	615	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	155	612	789	-	-	-
Mov Cap-2 Maneuver	155	-	-	-	-	-
Stage 1	372	-	-	-	-	-
Stage 2	615	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	21.9	1.2		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	789	-	271	-	-	
HCM Lane V/C Ratio	0.068	-	0.217	-	-	
HCM Control Delay (s)	9.9	0.5	21.9	-	-	
HCM Lane LOS	A	A	C	-	-	
HCM 95th %tile Q(veh)	0.2	-	0.8	-	-	

Intersection						
Int Delay, s/veh	0.2					
Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	W		↑↓		↑↓	
Traffic Vol, veh/h	5	4	648	7	9	671
Future Vol, veh/h	5	4	648	7	9	671
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	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	5	4	718	8	10	729
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1107	363	0	0	726	0
Stage 1	722	-	-	-	-	-
Stage 2	385	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	204	634	-	-	873	-
Stage 1	442	-	-	-	-	-
Stage 2	657	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	200	634	-	-	873	-
Mov Cap-2 Maneuver	200	-	-	-	-	-
Stage 1	442	-	-	-	-	-
Stage 2	645	-	-	-	-	-
Approach	NW	NE		SW		
HCM Control Delay, s	18	0		0.2		
HCM LOS	C					
Minor Lane/Major Mvmt	NET	NER	NWL	Ln1	SWL	SWT
Capacity (veh/h)	-	-	287	873	-	-
HCM Lane V/C Ratio	-	-	0.034	0.011	-	-
HCM Control Delay (s)	-	-	18	9.2	0.1	-
HCM Lane LOS	-	-	C	A	A	-
HCM 95th %tile Q(veh)	-	-	0.1	0	-	-

Intersection												
Int Delay, s/veh	1.2											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗	↖ ↗	↑ ↗	↑ ↗	↖ ↗	↖ ↗	↖ ↗	↑↑ ↗	↖ ↗	↖ ↗	↑↑ ↗	↖ ↗
Traffic Vol, veh/h	8	2	11	32	6	24	6	635	14	18	735	8
Future Vol, veh/h	8	2	11	32	6	24	6	635	14	18	735	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	2	12	35	7	26	7	704	15	20	815	9
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1225	1573	408	1167	1573	352	815	0	0	704	0	0
Stage 1	855	855	-	718	718	-	-	-	-	-	-	-
Stage 2	370	718	-	449	855	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	135	109	593	149	109	644	808	-	-	890	-	-
Stage 1	319	373	-	386	431	-	-	-	-	-	-	-
Stage 2	622	431	-	559	373	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	121	106	593	140	106	644	808	-	-	890	-	-
Mov Cap-2 Maneuver	121	106	-	140	106	-	-	-	-	-	-	-
Stage 1	316	365	-	383	427	-	-	-	-	-	-	-
Stage 2	583	427	-	532	365	-	-	-	-	-	-	-
Approach	SE	NW			NE			SW				
HCM Control Delay, s	24.2	16.9			0.1			0.2				
HCM LOS	C	C										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Nln1	NWLn2	SELn1	SELn2	SWL	SWT	SWR	
Capacity (veh/h)	808	-	-	106	644	118	593	890	-	-	-	
HCM Lane V/C Ratio	0.008	-	-	0.062	0.041	0.092	0.02	0.022	-	-	-	
HCM Control Delay (s)	9.5	-	-	41.2	10.8	38.6	11.2	9.1	-	-	-	
HCM Lane LOS	A	-	-	E	B	E	B	A	-	-	-	
HCM 95th %tile Q(veh)	0	-	-	0.2	0.1	0.3	0.1	0.1	-	-	-	

Intersection							
Int Delay, s/veh	2						
Movement	SEL	SER	NEL	NET	SWU	SWT	SWR
Lane Configurations	W		W	↑↑	W	↑↑	
Traffic Vol, veh/h	37	19	14	1162	7	604	7
Future Vol, veh/h	37	19	14	1162	7	604	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	-	None
Storage Length	0	-	0	-	0	-	-
Veh in Median Storage, #	0	-	-	0	-	0	-
Grade, %	0	-	-	0	-	0	-
Peak Hour Factor	64	64	90	90	92	93	93
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	58	30	16	1317	8	662	8
Major/Minor							
Major/Minor	Minor2	Major1	Major2				
Conflicting Flow All	1373	335	670	0	1317	-	0
Stage 1	682	-	-	-	-	-	-
Stage 2	691	-	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	6.44	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	2.52	-	-
Pot Cap-1 Maneuver	137	661	916	-	207	-	-
Stage 1	464	-	-	-	-	-	-
Stage 2	459	-	-	-	-	-	-
Platoon blocked, %			-	-	-	-	-
Mov Cap-1 Maneuver	129	661	916	-	207	-	-
Mov Cap-2 Maneuver	129	-	-	-	-	-	-
Stage 1	456	-	-	-	-	-	-
Stage 2	441	-	-	-	-	-	-
Approach							
Approach	SE	NE	SW				
HCM Control Delay, s	43.7	0.1	0.3				
HCM LOS	E						
Minor Lane/Major Mvmt							
Capacity (veh/h)	916	-	177	207	-	-	-
HCM Lane V/C Ratio	0.017	-	0.494	0.037	-	-	-
HCM Control Delay (s)	9	-	43.7	23.1	-	-	-
HCM Lane LOS	A	-	E	C	-	-	-
HCM 95th %tile Q(veh)	0.1	-	2.4	0.1	-	-	-

Intersection

Int Delay, s/veh 6.5

Movement	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations							
Traffic Vol, veh/h	40	1136	0	590	21	82	43
Future Vol, veh/h	40	1136	0	590	21	82	43
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	-	None	-	None
Storage Length	0	-	0	-	200	0	-
Veh in Median Storage, #	-	0	-	0	-	0	-
Grade, %	-	0	-	0	-	0	-
Peak Hour Factor	89	89	93	93	93	82	82
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	45	1302	0	647	23	100	52

Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	670	0	1302	-	0	1388 324
Stage 1	-	-	-	-	-	647 -
Stage 2	-	-	-	-	-	741 -
Critical Hdwy	4.14	-	6.44	-	-	6.84 6.94
Critical Hdwy Stg 1	-	-	-	-	-	5.84 -
Critical Hdwy Stg 2	-	-	-	-	-	5.84 -
Follow-up Hdwy	2.22	-	2.52	-	-	3.52 3.32
Pot Cap-1 Maneuver	916	-	212	-	-	134 672
Stage 1	-	-	-	-	-	483 -
Stage 2	-	-	-	-	-	432 -
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	916	-	212	-	-	127 672
Mov Cap-2 Maneuver	-	-	-	-	-	127 -
Stage 1	-	-	-	-	-	459 -
Stage 2	-	-	-	-	-	432 -

Approach	EB	WB	SB
HCM Control Delay, s	0.3	0	89.6
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1
Capacity (veh/h)	916	-	212	-	-	176
HCM Lane V/C Ratio	0.049	-	-	-	-	0.866
HCM Control Delay (s)	9.1	-	0	-	-	89.6
HCM Lane LOS	A	-	A	-	-	F
HCM 95th %tile Q(veh)	0.2	-	0	-	-	6.2

Intersection								
Int Delay, s/veh	142.1							
Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Traffic Vol, veh/h	19	80	1096	60	569	42	127	68
Future Vol, veh/h	19	80	1096	60	569	42	127	68
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	-	0	-	0	-	220	0	-
Veh in Median Storage, #	-	-	0	-	0	-	0	-
Grade, %	-	-	0	-	0	-	0	-
Peak Hour Factor	89	89	89	93	93	93	67	67
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	21	90	1256	65	624	45	190	101
Major/Minor	Major1		Major2		Minor2			
Conflicting Flow All	624	669	0	1256	-	0	1604	312
Stage 1	-	-	-	-	-	-	754	-
Stage 2	-	-	-	-	-	-	850	-
Critical Hdwy	6.44	4.14	-	6.44	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	2.22	-	2.52	-	-	3.52	3.32
Pot Cap-1 Maneuver	577	917	-	227	-	-	~96	684
Stage 1	-	-	-	-	-	-	425	-
Stage 2	-	-	-	-	-	-	379	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	800	800	-	227	-	-	~59	684
Mov Cap-2 Maneuver	-	-	-	-	-	-	~59	-
Stage 1	-	-	-	-	-	-	366	-
Stage 2	-	-	-	-	-	-	271	-
Approach	EB		WB		SB			
HCM Control Delay, s	0.8		2.4		\$ 1157.8			
HCM LOS					F			
Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1		
Capacity (veh/h)	800	-	227	-	-	87		
HCM Lane V/C Ratio	0.139	-	0.284	-	-	3.345		
HCM Control Delay (s)	10.2	-	27	-	\$ 1157.8			
HCM Lane LOS	B	-	D	-	-	F		
HCM 95th %tile Q(veh)	0.5	-	1.1	-	-	29.2		
Notes	<p>~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon</p>							

Intersection								
Int Delay, s/veh	8.4							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	6	1128	48	12	26	585	37	69
Future Vol, veh/h	6	1128	48	12	26	585	37	69
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	90	90	92	93	93	74	74
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	7	1278	53	13	28	642	50	93
Major/Minor	Major1		Major2		Minor1			
Conflicting Flow All	642	0	0	1332	1331	0	1722	666
Stage 1	-	-	-	-	-	-	1319	-
Stage 2	-	-	-	-	-	-	403	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	562	-	-	203	514	-	80	402
Stage 1	-	-	-	-	-	-	214	-
Stage 2	-	-	-	-	-	-	644	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	562	-	-	311	311	-	69	402
Mov Cap-2 Maneuver	-	-	-	-	-	-	69	-
Stage 1	-	-	-	-	-	-	211	-
Stage 2	-	-	-	-	-	-	559	-
Approach	EB		WB		NB			
HCM Control Delay, s	0.1		1.1		120.9			
HCM LOS					F			
Minor Lane/Major Mvmt	NBLn1	EBU	EBT	EBR	WBL	WBT		
Capacity (veh/h)	150	562	-	-	311	-		
HCM Lane V/C Ratio	0.955	0.012	-	-	0.132	-		
HCM Control Delay (s)	120.9	11.5	-	-	18.3	-		
HCM Lane LOS	F	B	-	-	C	-		
HCM 95th %tile Q(veh)	6.9	0	-	-	0.5	-		

Intersection								
Int Delay, s/veh	33.3							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	15	1096	80	12	42	569	59	112
Future Vol, veh/h	15	1096	80	12	42	569	59	112
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	90	90	92	93	93	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	16	1242	89	13	45	624	75	142
Major/Minor								
Major1		Major2			Minor1			
Conflicting Flow All	624	0	0	1331	1331	0	1747	666
Stage 1	-	-	-	-	-	-	1319	-
Stage 2	-	-	-	-	-	-	428	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	577	-	-	203	514	-	77	402
Stage 1	-	-	-	-	-	-	214	-
Stage 2	-	-	-	-	-	-	625	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	577	-	-	328	328	-	~62	402
Mov Cap-2 Maneuver	-	-	-	-	-	-	~62	-
Stage 1	-	-	-	-	-	-	208	-
Stage 2	-	-	-	-	-	-	514	-
Approach								
EB			WB			NB		
HCM Control Delay, s	0.1			1.6		\$ 340.3		
HCM LOS						F		
Minor Lane/Major Mvmt								
Capacity (veh/h)	139	577	-	-	328	-		
HCM Lane V/C Ratio	1.557	0.028	-	-	0.177	-		
HCM Control Delay (s)	\$ 340.3	11.4	-	-	18.3	-		
HCM Lane LOS	F	B	-	-	C	-		
HCM 95th %tile Q(veh)	15.1	0.1	-	-	0.6	-		
Notes								
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon		

Intersection

Int Delay, s/veh 3.2

Movement	SEL	SET	SER	NWL	NWT	NWR	NEU	NEL	NET	NER	SWU	SWL	SWT	SWR
Lane Configurations														
Traffic Vol, veh/h	35	3	18	5	1	9	18	10	1163	3	25	2	599	6
Future Vol, veh/h	35	3	18	5	1	9	18	10	1163	3	25	2	599	6
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free							
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	-	None
Storage Length	-	-	-	-	-	-	-	0	-	-	-	0	-	680
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	-	0	-
Grade, %	-	0	-	-	0	-	-	-	0	-	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	38	3	20	5	1	10	20	11	1289	3	27	2	664	7

Major/Minor	Minor2	Minor1			Major1			Major2						
Conflicting Flow All	1429	2076	332	1745	2082	646	664	671	0	0	1293	1292	0	0
Stage 1	722	722	-	1353	1353	-	-	-	-	-	-	-	-	-
Stage 2	707	1354	-	392	729	-	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	6.44	4.14	-	-	6.44	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.52	2.22	-	-	2.52	2.22	-	-
Pot Cap-1 Maneuver	95	53	664	55	53	414	545	915	-	-	215	532	-	-
Stage 1	384	429	-	158	216	-	-	-	-	-	-	-	-	-
Stage 2	392	216	-	604	426	-	-	-	-	-	-	-	-	-
Platoon blocked, %									-	-	-	-	-	-
Mov Cap-1 Maneuver	79	44	664	44	44	414	624	624	-	-	220	220	-	-
Mov Cap-2 Maneuver	79	44	-	44	44	-	-	-	-	-	-	-	-	-
Stage 1	366	372	-	150	206	-	-	-	-	-	-	-	-	-
Stage 2	362	206	-	504	370	-	-	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW					
HCM Control Delay, s	79.8	50.6			0.3			1					
HCM LOS	F	F											
<hr/>													
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR				
Capacity (veh/h)	624	-	-	95	104	220	-	-	-				
HCM Lane V/C Ratio	0.049	-	-	0.172	0.585	0.133	-	-	-				
HCM Control Delay (s)	11.1	-	-	50.6	79.8	23.9	-	-	-				
HCM Lane LOS	B	-	-	F	F	C	-	-	-				
HCM 95th %tile Q(veh)	0.2	-	-	0.6	2.8	0.5	-	-	-				

Intersection												
Int Delay, s/veh 1.3												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↔			↔			↔	↑↓		↔	↑↓	↑
Traffic Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	7
Future Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	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	-	-	Yield
Storage Length	-	-	-	-	-	-	0	-	-	0	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	75	75	75	75	75	75	88	88	88	84	84	84
Heavy Vehicles, %	8	8	8	14	14	14	2	2	2	3	3	3
Mvmt Flow	5	4	27	14	0	41	5	1093	30	12	503	8
Major/Minor	Minor2	Minor1				Major1	Major2					
Conflicting Flow All	1084	1660	252	1396	1645	562	503	0	0	1123	0	0
Stage 1	527	527	-	1118	1118	-	-	-	-	-	-	-
Stage 2	557	1133	-	278	527	-	-	-	-	-	-	-
Critical Hdwy	7.66	6.66	7.06	7.78	6.78	7.18	4.14	-	-	4.16	-	-
Critical Hdwy Stg 1	6.66	5.66	-	6.78	5.78	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.66	5.66	-	6.78	5.78	-	-	-	-	-	-	-
Follow-up Hdwy	3.58	4.08	3.38	3.64	4.14	3.44	2.22	-	-	2.23	-	-
Pot Cap-1 Maneuver	164	91	730	90	87	441	1058	-	-	612	-	-
Stage 1	487	512	-	201	257	-	-	-	-	-	-	-
Stage 2	467	264	-	672	498	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	146	89	730	82	85	441	1058	-	-	612	-	-
Mov Cap-2 Maneuver	146	89	-	82	85	-	-	-	-	-	-	-
Stage 1	485	502	-	200	256	-	-	-	-	-	-	-
Stage 2	422	263	-	630	488	-	-	-	-	-	-	-
Approach	SE	NW				NE	SW					
HCM Control Delay, s	18.4		27.9				0	0.3				
HCM LOS	C		D									
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR			
Capacity (veh/h)	1058	-	-	211	305	612	-	-	-			
HCM Lane V/C Ratio	0.004	-	-	0.258	0.118	0.02	-	-	-			
HCM Control Delay (s)	8.4	-	-	27.9	18.4	11	-	-	-			
HCM Lane LOS	A	-	-	D	C	B	-	-	-			
HCM 95th %tile Q(veh)	0	-	-	1	0.4	0.1	-	-	-			

Intersection

Int Delay, s/veh 1.6

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	45	0	21	4	0	10	19	955	3	2	452	9
Future Vol, veh/h	45	0	21	4	0	10	19	955	3	2	452	9
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									
Storage Length	-	-	-	-	-	-	0	-	-	0	-	150
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	49	0	23	4	0	11	21	1059	3	2	501	10

Major/Minor	Minor2	Minor1					Major1			Major2		
Conflicting Flow All	1077	1609	251	1358	1618	531	511	0	0	1062	0	0
Stage 1	505	505	-	1103	1103	-	-	-	-	-	-	-
Stage 2	572	1104	-	255	515	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	173	104	749	107	102	493	1050	-	-	652	-	-
Stage 1	518	539	-	225	285	-	-	-	-	-	-	-
Stage 2	472	285	-	727	533	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	166	102	749	102	100	493	1050	-	-	652	-	-
Mov Cap-2 Maneuver	166	102	-	102	100	-	-	-	-	-	-	-
Stage 1	508	537	-	221	279	-	-	-	-	-	-	-
Stage 2	452	279	-	703	531	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW			
HCM Control Delay, s	28.9	21.4			0.2			0			
HCM LOS	D	C									
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Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR		
Capacity (veh/h)	1050	-	-	235	221	652	-	-	-		
HCM Lane V/C Ratio	0.02	-	-	0.065	0.325	0.003	-	-	-		
HCM Control Delay (s)	8.5	-	-	21.4	28.9	10.5	-	-	-		
HCM Lane LOS	A	-	-	C	D	B	-	-	-		
HCM 95th %tile Q(veh)	0.1	-	-	0.2	1.3	0	-	-	-		

Intersection												
Int Delay, s/veh	0.7											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗	↖ ↗		↖ ↗	↖ ↗		↖ ↗	↑↑	↖ ↗	↖ ↗	↑↑	↖ ↗
Traffic Vol, veh/h	8	1	3	8	3	18	13	927	37	6	440	17
Future Vol, veh/h	8	1	3	8	3	18	13	927	37	6	440	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	1	3	9	3	20	14	1028	40	7	488	18
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1046	1558	244	1315	1558	514	488	0	0	1028	0	0
Stage 1	502	502	-	1056	1056	-	-	-	-	-	-	-
Stage 2	544	1056	-	259	502	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	183	111	757	116	111	505	1071	-	-	671	-	-
Stage 1	520	540	-	241	300	-	-	-	-	-	-	-
Stage 2	491	300	-	723	540	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	169	108	757	113	108	505	1071	-	-	671	-	-
Mov Cap-2 Maneuver	169	108	-	113	108	-	-	-	-	-	-	-
Stage 1	513	535	-	238	296	-	-	-	-	-	-	-
Stage 2	461	296	-	711	535	-	-	-	-	-	-	-
Approach	SE	NW			NE			SW				
HCM Control Delay, s	24.3	23.2			0.1			0.1				
HCM LOS	C	C										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR	
Capacity (veh/h)	1071	-	-	112	505	159	757	671	-	-	-	
HCM Lane V/C Ratio	0.013	-	-	0.107	0.039	0.062	0.004	0.01	-	-	-	
HCM Control Delay (s)	8.4	-	-	40.9	12.4	29.1	9.8	10.4	-	-	-	
HCM Lane LOS	A	-	-	E	B	D	A	B	-	-	-	
HCM 95th %tile Q(veh)	0	-	-	0.3	0.1	0.2	0	0	-	-	-	

Intersection							
Int Delay, s/veh	0.5						
Movement	SEL	SER	NEL	NET	SWU	SWT	SWR
Lane Configurations	W		W	↑↑	W	↑↑	
Traffic Vol, veh/h	10	10	14	610	7	580	14
Future Vol, veh/h	10	10	14	610	7	580	14
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	-	None
Storage Length	0	-	0	-	0	-	-
Veh in Median Storage, #	0	-	-	0	-	0	-
Grade, %	0	-	-	0	-	0	-
Peak Hour Factor	62	87	87	87	92	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	16	11	16	715	8	616	15
Major/Minor	Minor2	Major1	Major2				
Conflicting Flow All	1030	316	631	0	715	-	0
Stage 1	640	-	-	-	-	-	-
Stage 2	390	-	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	6.44	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	2.52	-	-
Pot Cap-1 Maneuver	229	680	947	-	505	-	-
Stage 1	487	-	-	-	-	-	-
Stage 2	653	-	-	-	-	-	-
Platoon blocked, %			-	-	-	-	-
Mov Cap-1 Maneuver	221	680	947	-	505	-	-
Mov Cap-2 Maneuver	221	-	-	-	-	-	-
Stage 1	479	-	-	-	-	-	-
Stage 2	643	-	-	-	-	-	-
Approach	SE	NE	SW				
HCM Control Delay, s	17.9		0.2		0.1		
HCM LOS	C						
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWU	SWT	SWR	
Capacity (veh/h)	947	-	307	505	-	-	
HCM Lane V/C Ratio	0.017	-	0.09	0.015	-	-	
HCM Control Delay (s)	8.9	-	17.9	12.2	-	-	
HCM Lane LOS	A	-	C	B	-	-	
HCM 95th %tile Q(veh)	0.1	-	0.3	0	-	-	

Intersection

Int Delay, s/veh 1.4

Movement	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations							
Traffic Vol, veh/h	26	598	0	570	24	39	37
Future Vol, veh/h	26	598	0	570	24	39	37
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	-	None	-	None
Storage Length	0	-	0	-	200	0	-
Veh in Median Storage, #	-	0	-	0	-	0	-
Grade, %	-	0	-	0	-	0	-
Peak Hour Factor	87	87	92	96	96	83	83
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	30	701	0	606	25	47	45

Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	631	0	701	-	0	1017
Stage 1	-	-	-	-	-	606
Stage 2	-	-	-	-	-	411
Critical Hdwy	4.14	-	6.44	-	-	6.84
Critical Hdwy Stg 1	-	-	-	-	-	5.84
Critical Hdwy Stg 2	-	-	-	-	-	5.84
Follow-up Hdwy	2.22	-	2.52	-	-	3.52
Pot Cap-1 Maneuver	947	-	516	-	-	234
Stage 1	-	-	-	-	-	507
Stage 2	-	-	-	-	-	638
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	947	-	516	-	-	227
Mov Cap-2 Maneuver	-	-	-	-	-	227
Stage 1	-	-	-	-	-	491
Stage 2	-	-	-	-	-	638

Approach	EB	WB	SB
HCM Control Delay, s	0.4	0	19.6
HCM LOS			C

Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1
Capacity (veh/h)	947	-	516	-	-	337
HCM Lane V/C Ratio	0.032	-	-	-	-	0.272
HCM Control Delay (s)	8.9	-	0	-	-	19.6
HCM Lane LOS	A	-	A	-	-	C
HCM 95th %tile Q(veh)	0.1	-	0	-	-	1.1

Intersection								
Int Delay, s/veh	5.5							
Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Traffic Vol, veh/h	15	53	571	40	544	50	71	68
Future Vol, veh/h	15	53	571	40	544	50	71	68
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	-	0	-	0	-	220	0	-
Veh in Median Storage, #	-	-	0	-	0	-	0	-
Grade, %	-	-	0	-	0	-	0	-
Peak Hour Factor	92	87	87	92	96	96	81	81
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	16	61	669	43	578	52	88	84
Major/Minor	Major1		Major2		Minor2			
Conflicting Flow All	578	630	0	669	-	0	1153	289
Stage 1	-	-	-	-	-	-	664	-
Stage 2	-	-	-	-	-	-	489	-
Critical Hdwy	6.44	4.14	-	6.44	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	2.22	-	2.52	-	-	3.52	3.32
Pot Cap-1 Maneuver	618	948	-	541	-	-	191	708
Stage 1	-	-	-	-	-	-	474	-
Stage 2	-	-	-	-	-	-	582	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	827	827	-	541	-	-	159	708
Mov Cap-2 Maneuver	-	-	-	-	-	-	159	-
Stage 1	-	-	-	-	-	-	430	-
Stage 2	-	-	-	-	-	-	536	-
Approach	EB		WB		SB			
HCM Control Delay, s	1		0.8		43.6			
HCM LOS	E							
Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1		
Capacity (veh/h)	827	-	541	-	-	256		
HCM Lane V/C Ratio	0.093	-	0.08	-	-	0.67		
HCM Control Delay (s)	9.8	-	12.2	-	-	43.6		
HCM Lane LOS	A	-	B	-	-	E		
HCM 95th %tile Q(veh)	0.3	-	0.3	-	-	4.3		

Intersection								
Int Delay, s/veh	2.4							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	5	587	37	13	36	558	44	46
Future Vol, veh/h	5	587	37	13	36	558	44	46
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	87	87	92	96	96	78	78
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	5	688	43	14	38	593	56	59
Major/Minor								
Major1		Major2			Minor1			
Conflicting Flow All	593	0	0	731	731	0	1121	366
Stage 1	-	-	-	-	-	-	720	-
Stage 2	-	-	-	-	-	-	401	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	604	-	-	494	869	-	200	631
Stage 1	-	-	-	-	-	-	443	-
Stage 2	-	-	-	-	-	-	645	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	604	-	-	698	698	-	184	631
Mov Cap-2 Maneuver	-	-	-	-	-	-	184	-
Stage 1	-	-	-	-	-	-	439	-
Stage 2	-	-	-	-	-	-	597	-
Approach								
EB			WB			NB		
HCM Control Delay, s	0.1		0.8			25.6		
HCM LOS						D		
Minor Lane/Major Mvmt								
Capacity (veh/h)	288	604	-	-	698	-		
HCM Lane V/C Ratio	0.401	0.009	-	-	0.074	-		
HCM Control Delay (s)	25.6	11	-	-	10.6	-		
HCM Lane LOS	D		B			B		
HCM 95th %tile Q(veh)	1.8		0			0.2		

Intersection								
Int Delay, s/veh	5.4							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	27	568	56	12	54	540	61	64
Future Vol, veh/h	27	568	56	12	54	540	61	64
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	87	87	92	96	96	73	73
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	29	666	64	13	56	574	84	88
Major/Minor	Major1		Major2		Minor1			
Conflicting Flow All	574	0	0	730	730	0	1181	365
Stage 1	-	-	-	-	-	-	756	-
Stage 2	-	-	-	-	-	-	425	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	621	-	-	494	870	-	183	632
Stage 1	-	-	-	-	-	-	424	-
Stage 2	-	-	-	-	-	-	627	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	621	-	-	737	737	-	158	632
Mov Cap-2 Maneuver	-	-	-	-	-	-	158	-
Stage 1	-	-	-	-	-	-	404	-
Stage 2	-	-	-	-	-	-	568	-
Approach	EB		WB		NB			
HCM Control Delay, s	0.4		1.1		43.5			
HCM LOS					E			
Minor Lane/Major Mvmt	NBLn1	EBU	EBT	EBR	WBL	WBT		
Capacity (veh/h)	256	621	-	-	737	-		
HCM Lane V/C Ratio	0.669	0.047	-	-	0.094	-		
HCM Control Delay (s)	43.5	11.1	-	-	10.4	-		
HCM Lane LOS	E	B	-	-	B	-		
HCM 95th %tile Q(veh)	4.3	0.1	-	-	0.3	-		

Intersection																		
Int Delay, s/veh	1																	
Movement	SEL	SET	SER	NWL	NWT	NWR	NEU	NEL	NET	NER	SWU	SWL	SWT	SWR				
Lane Configurations	↔			↔				↔	↑↓			↔	↑↑	↑				
Traffic Vol, veh/h	11	1	10	3	0	3	31	20	599	5	14	4	570	20				
Future Vol, veh/h	11	1	10	3	0	3	31	20	599	5	14	4	570	20				
Conflicting Peds, #/hr	0	0	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	Free	Free				
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	-	None				
Storage Length	-	-	-	-	-	-	-	0	-	-	-	0	-	680				
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	-	0	-				
Grade, %	-	0	-	-	0	-	-	-	0	-	-	-	0	-				
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	92	92				
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2				
Mvmt Flow	12	1	11	3	0	3	34	22	664	5	15	4	632	22				
Major/Minor	Minor2	Minor1			Major1			Major2										
Conflicting Flow All	1114	1451	316	1134	1471	335	632	654	0	0	670	669	0	0				
Stage 1	670	670	-	779	779	-	-	-	-	-	-	-	-	-				
Stage 2	444	781	-	355	692	-	-	-	-	-	-	-	-	-				
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	6.44	4.14	-	-	6.44	4.14	-	-				
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-				
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-				
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.52	2.22	-	-	2.52	2.22	-	-				
Pot Cap-1 Maneuver	163	130	680	157	126	661	571	929	-	-	540	917	-	-				
Stage 1	413	454	-	355	404	-	-	-	-	-	-	-	-	-				
Stage 2	563	403	-	635	443	-	-	-	-	-	-	-	-	-				
Platoon blocked, %																		
Mov Cap-1 Maneuver	148	115	680	140	112	661	666	666	-	-	592	592	-	-				
Mov Cap-2 Maneuver	148	115	-	140	112	-	-	-	-	-	-	-	-	-				
Stage 1	379	439	-	326	370	-	-	-	-	-	-	-	-	-				
Stage 2	514	370	-	602	428	-	-	-	-	-	-	-	-	-				
Approach	SE	NW			NE			SW										
HCM Control Delay, s	22.9	21			0.8			0.3										
HCM LOS	C	C																
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	n1 SEL	n1	SWL	SWT	SWR									
Capacity (veh/h)	666	-	-	231	225	592	-	-	-									
HCM Lane V/C Ratio	0.083	-	-	0.028	0.106	0.033	-	-	-									
HCM Control Delay (s)	10.9	-	-	21	22.9	11.3	-	-	-									
HCM Lane LOS	B	-	-	C	C	B	-	-	-									
HCM 95th %tile Q(veh)	0.3	-	-	0.1	0.4	0.1	-	-	-									

Intersection

Int Delay, s/veh 2

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	18
Future Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	18
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	-	-	Yield
Storage Length	-	-	-	-	-	-	0	-	-	0	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	52	52	52	86	86	86	89	89	89	95	95	95
Heavy Vehicles, %	7	7	7	0	0	0	2	2	2	3	3	3
Mvmt Flow	12	6	35	26	3	47	10	670	34	32	676	19

Major/Minor	Minor2	Minor1				Major1			Major2			
Conflicting Flow All	1097	1464	338	1112	1447	352	676	0	0	704	0	0
Stage 1	740	740	-	707	707	-	-	-	-	-	-	-
Stage 2	357	724	-	405	740	-	-	-	-	-	-	-
Critical Hdwy	7.64	6.64	7.04	7.5	6.5	6.9	4.14	-	-	4.16	-	-
Critical Hdwy Stg 1	6.64	5.64	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.64	5.64	-	6.5	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.57	4.07	3.37	3.5	4	3.3	2.22	-	-	2.23	-	-
Pot Cap-1 Maneuver	161	122	643	166	133	650	911	-	-	883	-	-
Stage 1	364	410	-	397	441	-	-	-	-	-	-	-
Stage 2	620	417	-	599	426	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	141	116	643	146	127	650	911	-	-	883	-	-
Mov Cap-2 Maneuver	141	116	-	146	127	-	-	-	-	-	-	-
Stage 1	360	395	-	393	436	-	-	-	-	-	-	-
Stage 2	564	412	-	538	411	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	20.8	23			0.1			0.4		
HCM LOS	C	C								
<hr/>										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR	
Capacity (veh/h)	911	-	-	276	280	883	-	-	-	
HCM Lane V/C Ratio	0.011	-	-	0.279	0.185	0.036	-	-	-	
HCM Control Delay (s)	9	-	-	23	20.8	9.2	-	-	-	
HCM Lane LOS	A	-	-	C	C	A	-	-	-	
HCM 95th %tile Q(veh)	0	-	-	1.1	0.7	0.1	-	-	-	

Intersection

Int Delay, s/veh 0.8

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	19	0	21	3	0	2	18	590	5	2	655	19
Future Vol, veh/h	19	0	21	3	0	2	18	590	5	2	655	19
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									
Storage Length	-	-	-	-	-	-	0	-	-	0	-	150
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	21	0	23	3	0	2	20	654	5	2	726	21

Major/Minor	Minor2	Minor1				Major1			Major2			
Conflicting Flow All	1097	1429	363	1064	1448	330	747	0	0	659	0	0
Stage 1	730	730	-	697	697	-	-	-	-	-	-	-
Stage 2	367	699	-	367	751	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	168	134	634	177	130	666	857	-	-	925	-	-
Stage 1	380	426	-	398	441	-	-	-	-	-	-	-
Stage 2	625	440	-	625	416	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	164	131	634	167	127	666	857	-	-	925	-	-
Mov Cap-2 Maneuver	164	131	-	167	127	-	-	-	-	-	-	-
Stage 1	371	425	-	389	431	-	-	-	-	-	-	-
Stage 2	608	430	-	601	415	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	21	20.5			0.3			0		
HCM LOS	C	C								

Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR
Capacity (veh/h)	857	-	-	238	268	925	-	-	-
HCM Lane V/C Ratio	0.023	-	-	0.023	0.162	0.002	-	-	-
HCM Control Delay (s)	9.3	-	-	20.5	21	8.9	-	-	-
HCM Lane LOS	A	-	-	C	C	A	-	-	-
HCM 95th %tile Q(veh)	0.1	-	-	0.1	0.6	0	-	-	-

Intersection												
Int Delay, s/veh	1.3											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↑↑	↖ ↗	↖ ↗	↑↑	↖ ↗
Traffic Vol, veh/h	8	2	8	24	5	22	5	596	12	14	656	6
Future Vol, veh/h	8	2	8	24	5	22	5	596	12	14	656	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	-	-	Yield									
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	2	9	26	5	24	5	661	13	15	727	7
Major/Minor	Minor2	Minor1	Minor1	Major1	Major1	Major1	Major2	Major2	Major2	Major2	Major2	Major2
Conflicting Flow All	1100	1428	364	1066	1428	331	727	0	0	661	0	0
Stage 1	757	757	-	671	671	-	-	-	-	-	-	-
Stage 2	343	671	-	395	757	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	167	134	633	177	134	665	872	-	-	923	-	-
Stage 1	366	414	-	412	453	-	-	-	-	-	-	-
Stage 2	646	453	-	602	414	-	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	153	131	633	170	131	665	872	-	-	923	-	-
Mov Cap-2 Maneuver	153	131	-	170	131	-	-	-	-	-	-	-
Stage 1	364	407	-	410	450	-	-	-	-	-	-	-
Stage 2	612	450	-	581	407	-	-	-	-	-	-	-
Approach	SE		NW		NE		SW					
HCM Control Delay, s	22.1		23.1		0.1		0.2					
HCM LOS	C		C									
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR	
Capacity (veh/h)	872	-	-	162	665	148	633	923	-	-	-	-
HCM Lane V/C Ratio	0.006	-	-	0.195	0.036	0.073	0.014	0.016	-	-	-	-
HCM Control Delay (s)	9.2	-	-	32.5	10.6	31.2	10.8	9	-	-	-	-
HCM Lane LOS	A	-	-	D	B	D	B	A	-	-	-	-
HCM 95th %tile Q(veh)	0	-	-	0.7	0.1	0.2	0	0.1	-	-	-	-

Intersection							
Int Delay, s/veh	1.2						
Movement	SEL	SER	NEL	NET	SWU	SWT	SWR
Lane Configurations	W		W	↑↑	W	↑↑	
Traffic Vol, veh/h	13	20	15	772	7	1087	23
Future Vol, veh/h	13	20	15	772	7	1087	23
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	-	None
Storage Length	0	-	0	-	0	-	-
Veh in Median Storage, #	0	-	-	0	-	0	-
Grade, %	0	-	-	0	-	0	-
Peak Hour Factor	55	55	95	95	92	93	93
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	24	36	16	829	8	1192	25
Major/Minor	Minor2		Major1	Major2			
Conflicting Flow All	1668	609	1217	0	829	-	0
Stage 1	1221	-	-	-	-	-	-
Stage 2	447	-	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	6.44	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	2.52	-	-
Pot Cap-1 Maneuver	87	438	569	-	427	-	-
Stage 1	242	-	-	-	-	-	-
Stage 2	611	-	-	-	-	-	-
Platoon blocked, %			-	-	-	-	-
Mov Cap-1 Maneuver	83	438	569	-	427	-	-
Mov Cap-2 Maneuver	83	-	-	-	-	-	-
Stage 1	235	-	-	-	-	-	-
Stage 2	599	-	-	-	-	-	-
Approach	SE		NE	SW			
HCM Control Delay, s	39.4		0.2	0.1			
HCM LOS	E						
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWU	SWT	SWR	
Capacity (veh/h)	569	-	163	427	-	-	
HCM Lane V/C Ratio	0.028	-	0.368	0.018	-	-	
HCM Control Delay (s)	11.5	-	39.4	13.6	-	-	
HCM Lane LOS	B	-	E	B	-	-	
HCM 95th %tile Q(veh)	0.1	-	1.6	0.1	-	-	

Intersection

Int Delay, s/veh 3.4

Movement	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations							
Traffic Vol, veh/h	59	728	0	1022	88	34	51
Future Vol, veh/h	59	728	0	1022	88	34	51
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	-	None	-	None
Storage Length	0	-	0	-	200	0	-
Veh in Median Storage, #	-	0	-	0	-	0	-
Grade, %	-	0	-	0	-	0	-
Peak Hour Factor	95	95	92	93	93	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	62	782	0	1121	95	43	65

Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	1216	0	782	-	0	1636 561
Stage 1	-	-	-	-	-	1121 -
Stage 2	-	-	-	-	-	515 -
Critical Hdwy	4.14	-	6.44	-	-	6.84 6.94
Critical Hdwy Stg 1	-	-	-	-	-	5.84 -
Critical Hdwy Stg 2	-	-	-	-	-	5.84 -
Follow-up Hdwy	2.22	-	2.52	-	-	3.52 3.32
Pot Cap-1 Maneuver	569	-	458	-	-	92 471
Stage 1	-	-	-	-	-	273 -
Stage 2	-	-	-	-	-	565 -
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	569	-	458	-	-	82 471
Mov Cap-2 Maneuver	-	-	-	-	-	82 -
Stage 1	-	-	-	-	-	243 -
Stage 2	-	-	-	-	-	565 -

Approach	EB	WB	SB
HCM Control Delay, s	0.9	0	62
HCM LOS			F

Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1
Capacity (veh/h)	569	-	458	-	-	163
HCM Lane V/C Ratio	0.109	-	-	-	-	0.66
HCM Control Delay (s)	12.1	-	0	-	-	62
HCM Lane LOS	B	-	A	-	-	F
HCM 95th %tile Q(veh)	0.4	-	0	-	-	3.8

Intersection								
Int Delay, s/veh	20.6							
Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Traffic Vol, veh/h	25	90	697	55	976	124	47	71
Future Vol, veh/h	25	90	697	55	976	124	47	71
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	-	0	-	0	-	220	0	-
Veh in Median Storage, #	-	-	0	-	0	-	0	-
Grade, %	-	-	0	-	0	-	0	-
Peak Hour Factor	92	95	95	92	93	93	84	84
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	27	95	748	60	1070	133	56	85
Major/Minor	Major1		Major2		Minor2			
Conflicting Flow All	1070	1203	0	748	-	0	1808	535
Stage 1	-	-	-	-	-	-	1190	-
Stage 2	-	-	-	-	-	-	618	-
Critical Hdwy	6.44	4.14	-	6.44	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	2.22	-	2.52	-	-	3.52	3.32
Pot Cap-1 Maneuver	299	576	-	481	-	-	70	490
Stage 1	-	-	-	-	-	-	251	-
Stage 2	-	-	-	-	-	-	500	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	450	450	-	481	-	-	~45	490
Mov Cap-2 Maneuver	-	-	-	-	-	-	~45	-
Stage 1	-	-	-	-	-	-	183	-
Stage 2	-	-	-	-	-	-	438	-
Approach	EB		WB		SB			
HCM Control Delay, s	2.2		0.6		\$ 314.8			
HCM LOS					F			
Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1		
Capacity (veh/h)	450	-	481	-	-	99		
HCM Lane V/C Ratio	0.271	-	0.124	-	-	1.419		
HCM Control Delay (s)	15.9	-	13.5	-	-	\$ 314.8		
HCM Lane LOS	C	-	B	-	-	F		
HCM 95th %tile Q(veh)	1.1	-	0.4	-	-	10.3		
Notes								
~: Volume exceeds capacity	\$: Delay exceeds 300s		+: Computation Not Defined	*: All major volume in platoon				

Intersection														
Int Delay, s/veh	6.9													
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR						
Lane Configurations	↑	↑↑		↑	↑↑		Y							
Traffic Vol, veh/h	9	740	47	16	70	1040	50	33						
Future Vol, veh/h	9	740	47	16	70	1040	50	33						
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0						
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop						
RT Channelized	-	-	None	-	-	None	-	None						
Storage Length	0	-	-	-	0	-	0	-						
Veh in Median Storage, #	-	0	-	-	-	0	0	-						
Grade, %	-	0	-	-	-	0	0	-						
Peak Hour Factor	92	95	95	92	93	93	74	74						
Heavy Vehicles, %	2	2	2	2	2	2	2	2						
Mvmt Flow	10	795	49	17	75	1141	68	45						
Major/Minor														
Major1		Major2			Minor1									
Conflicting Flow All	1141	0	0	844	844	0	1595	422						
Stage 1	-	-	-	-	-	-	840	-						
Stage 2	-	-	-	-	-	-	755	-						
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94						
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-						
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-						
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32						
Pot Cap-1 Maneuver	269	-	-	418	788	-	98	580						
Stage 1	-	-	-	-	-	-	384	-						
Stage 2	-	-	-	-	-	-	425	-						
Platoon blocked, %	-	-	-	-	-	-	-	-						
Mov Cap-1 Maneuver	269	-	-	663	663	-	81	580						
Mov Cap-2 Maneuver	-	-	-	-	-	-	81	-						
Stage 1	-	-	-	-	-	-	370	-						
Stage 2	-	-	-	-	-	-	366	-						
Approach														
EB			WB			NB								
HCM Control Delay, s	0.2		0.8		125.8									
HCM LOS	F													
Minor Lane/Major Mvmt														
Capacity (veh/h)	123	269	-	-	663	-								
HCM Lane V/C Ratio	0.912	0.036	-	-	0.14	-								
HCM Control Delay (s)	125.8	18.9	-	-	11.3	-								
HCM Lane LOS	F	C	-	-	B	-								
HCM 95th %tile Q(veh)	5.8	0.1	-	-	0.5	-								

Intersection								
Int Delay, s/veh	51.6							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	41	685	102	17	153	947	91	61
Future Vol, veh/h	41	685	102	17	153	947	91	61
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	95	95	92	93	93	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	45	735	107	18	165	1039	101	68
Major/Minor								
Major1		Major2			Minor1			
Conflicting Flow All	1039	0	0	843	842	0	1765	421
Stage 1	-	-	-	-	-	-	879	-
Stage 2	-	-	-	-	-	-	886	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	313	-	-	419	789	-	~75	581
Stage 1	-	-	-	-	-	-	366	-
Stage 2	-	-	-	-	-	-	363	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	313	-	-	710	710	-	~48	581
Mov Cap-2 Maneuver	-	-	-	-	-	-	~48	-
Stage 1	-	-	-	-	-	-	313	-
Stage 2	-	-	-	-	-	-	269	-
Approach								
EB			WB			NB		
HCM Control Delay, s	0.9			1.8		\$ 678.1		
HCM LOS						F		
Minor Lane/Major Mvmt								
Capacity (veh/h)	76	313	-	-	710	-		
HCM Lane V/C Ratio	2.222	0.142	-	-	0.258	-		
HCM Control Delay (s)	\$ 678.1	18.4	-	-	11.8	-		
HCM Lane LOS	F	C	-	-	B	-		
HCM 95th %tile Q(veh)	15.7	0.5	-	-	1	-		
Notes								
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon		

Intersection														
Int Delay, s/veh		3.2												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEU	NEL	NET	NER	SWU	SWL	SWT	SWR
Lane Configurations	↔			↔			↔	↑↓	↑↓		↔	↑↓	↑↓	↑
Traffic Vol, veh/h	13	2	19	6	1	4	52	25	756	6	20	8	1065	37
Future Vol, veh/h	13	2	19	6	1	4	52	25	756	6	20	8	1065	37
Conflicting Peds, #/hr	0	0	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	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	-	None
Storage Length	-	-	-	-	-	-	-	0	-	-	-	0	-	680
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	-	0	-
Grade, %	-	0	-	-	0	-	-	-	0	-	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	14	2	21	7	1	4	57	27	838	7	22	9	1181	40
Major/Minor		Minor2		Minor1		Major1			Major2					
Conflicting Flow All	1831	2256	591	1664	2293	423	1181	1221	0	0	845	845	0	0
Stage 1	1243	1243	-	1010	1010	-	-	-	-	-	-	-	-	-
Stage 2	588	1013	-	654	1283	-	-	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	6.44	4.14	-	-	6.44	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.52	2.22	-	-	2.52	2.22	-	-
Pot Cap-1 Maneuver	47	41	450	63	39	579	254	567	-	-	417	787	-	-
Stage 1	185	245	-	257	316	-	-	-	-	-	-	-	-	-
Stage 2	462	315	-	422	234	-	-	-	-	-	-	-	-	-
Platoon blocked, %									-	-	-	-	-	-
Mov Cap-1 Maneuver	34	28	450	42	26	579	298	298	-	-	479	479	-	-
Mov Cap-2 Maneuver	34	28	-	42	26	-	-	-	-	-	-	-	-	-
Stage 1	133	230	-	185	227	-	-	-	-	-	-	-	-	-
Stage 2	328	226	-	374	219	-	-	-	-	-	-	-	-	-
Approach		SE		NW		NE			SW					
HCM Control Delay, s	106			82.5			2			0.3				
HCM LOS	F			F										
Minor Lane/Major Mvmt		NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR				
Capacity (veh/h)	298	-	-	58	69	479	-	-	-	-				
HCM Lane V/C Ratio	0.281	-	-	0.206	0.536	0.064	-	-	-	-				
HCM Control Delay (s)	21.7	-	-	82.5	106	13	-	-	-	-				
HCM Lane LOS	C	-	-	F	F	B	-	-	-	-				
HCM 95th %tile Q(veh)	1.1	-	-	0.7	2.2	0.2	-	-	-	-				

Intersection												
Int Delay, s/veh 2.5												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↔			↔			↔	↑↓		↔	↑↓	↑
Traffic Vol, veh/h	2	0	7	30	1	39	3	625	36	34	1041	3
Future Vol, veh/h	2	0	7	30	1	39	3	625	36	34	1041	3
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	-	-	Yield
Storage Length	-	-	-	-	-	-	0	-	-	0	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	63	63	63	72	72	72	92	92	92	93	93	93
Heavy Vehicles, %	11	11	11	0	0	0	1	1	1	1	1	1
Mvmt Flow	3	0	11	43	1	55	3	693	40	37	1142	3
Major/Minor	Minor2	Minor1				Major1	Major2					
Conflicting Flow All	1569	1955	571	1364	1935	367	1142	0	0	733	0	0
Stage 1	1216	1216	-	719	719	-	-	-	-	-	-	-
Stage 2	353	739	-	645	1216	-	-	-	-	-	-	-
Critical Hdwy	7.72	6.72	7.12	7.5	6.5	6.9	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.72	5.72	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.72	5.72	-	6.5	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.61	4.11	3.41	3.5	4	3.3	2.21	-	-	2.21	-	-
Pot Cap-1 Maneuver	68	57	442	108	67	636	613	-	-	874	-	-
Stage 1	178	235	-	390	436	-	-	-	-	-	-	-
Stage 2	613	401	-	432	256	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	59	54	442	102	64	636	613	-	-	874	-	-
Mov Cap-2 Maneuver	59	54	-	102	64	-	-	-	-	-	-	-
Stage 1	177	225	-	388	434	-	-	-	-	-	-	-
Stage 2	555	399	-	403	245	-	-	-	-	-	-	-
Approach	SE	NW				NE	SW					
HCM Control Delay, s	26.6		43.3				0			0.3		
HCM LOS	D		E									
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR			
Capacity (veh/h)	613	-	-	189	181	874	-	-				
HCM Lane V/C Ratio	0.005	-	-	0.525	0.079	0.043	-	-				
HCM Control Delay (s)	10.9	-	-	43.3	26.6	9.3	-	-				
HCM Lane LOS	B	-	-	E	D	A	-	-				
HCM 95th %tile Q(veh)	0	-	-	2.7	0.3	0.1	-	-				

Intersection												
Int Delay, s/veh 1.3												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↔	↔		↔	↔		↔	↑↓		↔	↑↓	↑
Traffic Vol, veh/h	23	0	21	5	0	4	49	599	7	9	685	66
Future Vol, veh/h	23	0	21	5	0	4	49	599	7	9	685	66
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	-	-	-	-	-	-	0	-	-	0	-	150
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	0	0	0	2	2	2	2	2	2
Mvmt Flow	25	0	23	5	0	4	53	664	8	10	759	72
Major/Minor	Minor2	Minor1				Major1	Major2					
Conflicting Flow All	1217	1557	380	1174	1625	336	831	0	0	672	0	0
Stage 1	779	779	-	774	774	-	-	-	-	-	-	-
Stage 2	438	778	-	400	851	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.5	6.5	6.9	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.5	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.5	4	3.3	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	137	112	618	149	103	666	797	-	-	915	-	-
Stage 1	355	404	-	362	411	-	-	-	-	-	-	-
Stage 2	567	405	-	603	379	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	128	103	618	135	95	666	797	-	-	915	-	-
Mov Cap-2 Maneuver	128	103	-	135	95	-	-	-	-	-	-	-
Stage 1	332	400	-	338	384	-	-	-	-	-	-	-
Stage 2	526	378	-	574	375	-	-	-	-	-	-	-
Approach	SE	NW				NE	SW					
HCM Control Delay, s	27.7	23.1				0.7	0.1					
HCM LOS	D	C										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR			
Capacity (veh/h)	797	-	-	209	206	915	-	-	-			
HCM Lane V/C Ratio	0.067	-	-	0.047	0.232	0.011	-	-	-			
HCM Control Delay (s)	9.8	-	-	23.1	27.7	9	-	-	-			
HCM Lane LOS	A	-	-	C	D	A	-	-	-			
HCM 95th %tile Q(veh)	0.2	-	-	0.1	0.9	0	-	-	-			

Intersection												
Int Delay, s/veh	1.8											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	4	4	2	32	6	24	6	635	14	18	735	8
Traffic Vol, veh/h	8	2	11	32	6	24	6	635	14	18	735	8
Future Vol, veh/h	8	2	11	32	6	24	6	635	14	18	735	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	2	12	35	7	26	7	704	15	20	815	9
Major/Minor		Minor2		Minor1		Major1		Major2				
Conflicting Flow All	1225	1573	408	1167	1573	352	815	0	0	704	0	0
Stage 1	855	855	-	718	718	-	-	-	-	-	-	-
Stage 2	370	718	-	449	855	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	135	109	593	149	109	644	808	-	-	890	-	-
Stage 1	319	373	-	386	431	-	-	-	-	-	-	-
Stage 2	622	431	-	559	373	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	120	106	593	140	106	644	808	-	-	890	-	-
Mov Cap-2 Maneuver	120	106	-	140	106	-	-	-	-	-	-	-
Stage 1	316	365	-	383	427	-	-	-	-	-	-	-
Stage 2	582	427	-	532	365	-	-	-	-	-	-	-
Approach		SE		NW		NE		SW				
HCM Control Delay, s	24.4		31.1		0.1		0.2					
HCM LOS	C		D									
Minor Lane/Major Mvmt		NEL	NET	NER	NWL	Nln1	NWLn2	SELn1	SELn2	SWL	SWT	SWR
Capacity (veh/h)	808		-	-	133	644	117	593	890	-	-	-
HCM Lane V/C Ratio	0.008		-	-	0.312	0.041	0.095	0.021	0.022	-	-	-
HCM Control Delay (s)	9.5		-	-	43.9	10.8	39	11.2	9.1	-	-	-
HCM Lane LOS	A		-	-	E	B	E	B	A	-	-	-
HCM 95th %tile Q(veh)	0		-	-	1.2	0.1	0.3	0.1	0.1	-	-	-

Intersection						
Int Delay, s/veh	2.1					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑	↑↑	↑↑	
Traffic Vol, veh/h	37	19	14	1162	604	7
Future Vol, veh/h	37	19	14	1162	604	7
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	-	0	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	64	64	90	90	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	58	30	16	1446	727	8
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1486	368	735	0	-	0
Stage 1	731	-	-	-	-	-
Stage 2	755	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	115	629	866	-	-	-
Stage 1	437	-	-	-	-	-
Stage 2	425	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	113	629	866	-	-	-
Mov Cap-2 Maneuver	113	-	-	-	-	-
Stage 1	429	-	-	-	-	-
Stage 2	425	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	53.5	0.1		0		
HCM LOS	F					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	866	-	157	-	-	
HCM Lane V/C Ratio	0.018	-	0.557	-	-	
HCM Control Delay (s)	9.2	-	53.5	-	-	
HCM Lane LOS	A	-	F	-	-	
HCM 95th %tile Q(veh)	0.1	-	2.8	-	-	

Intersection						
Int Delay, s/veh	9.3					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	Y
Traffic Vol, veh/h	40	1136	590	21	82	43
Future Vol, veh/h	40	1136	590	21	82	43
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	-	-	200	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	93	93	82	82
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	44	1414	711	23	100	52
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	734	0	-	0	1506	356
Stage 1	-	-	-	-	711	-
Stage 2	-	-	-	-	795	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	867	-	-	-	112	640
Stage 1	-	-	-	-	448	-
Stage 2	-	-	-	-	405	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	867	-	-	-	106	640
Mov Cap-2 Maneuver	-	-	-	-	106	-
Stage 1	-	-	-	-	425	-
Stage 2	-	-	-	-	405	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.3	0	140			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	867	-	-	-	149	-
HCM Lane V/C Ratio	0.051	-	-	-	1.023	-
HCM Control Delay (s)	9.4	-	-	-	140	-
HCM Lane LOS	A	-	-	-	F	-
HCM 95th %tile Q(veh)	0.2	-	-	-	7.8	-

Intersection						
Int Delay, s/veh	71.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	80	1096	569	42	127	68
Future Vol, veh/h	80	1096	569	42	127	68
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	-	-	220	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	93	93	67	67
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	89	1364	685	45	190	101
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	730	0	-	0	1545	343
Stage 1	-	-	-	-	685	-
Stage 2	-	-	-	-	860	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	870	-	-	-	~ 105	653
Stage 1	-	-	-	-	462	-
Stage 2	-	-	-	-	375	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	870	-	-	-	~ 94	653
Mov Cap-2 Maneuver	-	-	-	-	~ 94	-
Stage 1	-	-	-	-	415	-
Stage 2	-	-	-	-	375	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.6	0	\$ 605.1			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	870	-	-	-	134	
HCM Lane V/C Ratio	0.102	-	-	-	2.172	
HCM Control Delay (s)	9.6	-	-	-	\$ 605.1	
HCM Lane LOS	A	-	-	-	F	
HCM 95th %tile Q(veh)	0.3	-	-	-	24.1	
Notes						
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon

Intersection						
Int Delay, s/veh	9.6					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↓		↑	↑↑	Y	
Traffic Vol, veh/h	1128	48	26	585	37	69
Future Vol, veh/h	1128	48	26	585	37	69
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	93	93	74	74
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1404	53	28	705	50	93
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	1457	0	1840	729
Stage 1	-	-	-	-	1431	-
Stage 2	-	-	-	-	409	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	460	-	67	365
Stage 1	-	-	-	-	186	-
Stage 2	-	-	-	-	639	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	460	-	63	365
Mov Cap-2 Maneuver	-	-	-	-	63	-
Stage 1	-	-	-	-	186	-
Stage 2	-	-	-	-	600	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.5	153.2			
HCM LOS			F			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	137	-	-	460	-	
HCM Lane V/C Ratio	1.046	-	-	0.061	-	
HCM Control Delay (s)	153.2	-	-	13.3	-	
HCM Lane LOS	F	-	-	B	-	
HCM 95th %tile Q(veh)	7.7	-	-	0.2	-	

Intersection						
Int Delay, s/veh	29.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↓		↑	↑↑	Y	
Traffic Vol, veh/h	1096	80	42	569	59	112
Future Vol, veh/h	1096	80	42	569	59	112
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	100	93	79	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1364	89	42	685	75	122
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	1453	0	1836	727
Stage 1	-	-	-	-	1409	-
Stage 2	-	-	-	-	427	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	462	-	~67	366
Stage 1	-	-	-	-	192	-
Stage 2	-	-	-	-	626	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	462	-	~61	366
Mov Cap-2 Maneuver	-	-	-	-	~61	-
Stage 1	-	-	-	-	192	-
Stage 2	-	-	-	-	569	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.8	\$ 348.7			
HCM LOS			F			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	126	-	-	462	-	
HCM Lane V/C Ratio	1.559	-	-	0.091	-	
HCM Control Delay (s)	\$ 348.7	-	-	13.6	-	
HCM Lane LOS	F	-	-	B	-	
HCM 95th %tile Q(veh)	14	-	-	0.3	-	
Notes						
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon

Intersection													
Int Delay, s/veh	2.4												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations	↖ ↗			↖ ↗			↖ ↗	↑ ↗		↖ ↗	↑ ↗	↖ ↗	
Traffic Vol, veh/h	35	3	18	5	1	9	10	1163	3	2	603	6	
Future Vol, veh/h	35	3	18	5	1	9	10	1163	3	2	603	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	-	-	-	-	-	-	0	-	-	0	-	680	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	38	3	20	5	1	10	11	1416	3	2	734	7	
Major/Minor	Minor2	Minor1			Major1			Major2					
Conflicting Flow All	1469	2179	367	1813	2185	710	741	0	0	1419	0	0	
Stage 1	738	738	-	1440	1440	-	-	-	-	-	-	-	
Stage 2	731	1441	-	373	745	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	89	46	630	49	45	376	862	-	-	476	-	-	
Stage 1	376	422	-	139	196	-	-	-	-	-	-	-	
Stage 2	379	196	-	620	419	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	84	45	630	44	44	376	862	-	-	476	-	-	
Mov Cap-2 Maneuver	84	45	-	44	44	-	-	-	-	-	-	-	
Stage 1	371	420	-	137	193	-	-	-	-	-	-	-	
Stage 2	362	193	-	594	417	-	-	-	-	-	-	-	
Approach	SE		NW			NE			SW				
HCM Control Delay, s	73.5		51.2			0.1			0				
HCM LOS	F		F										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR				
Capacity (veh/h)	862	-	-	94	109	476	-	-					
HCM Lane V/C Ratio	0.013	-	-	0.173	0.558	0.005	-	-					
HCM Control Delay (s)	9.2	-	-	51.2	73.5	12.6	-	-					
HCM Lane LOS	A	-	-	F	F	B	-	-					
HCM 95th %tile Q(veh)	0	-	-	0.6	2.6	0	-	-					

Intersection												
Int Delay, s/veh	1.6											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗
Traffic Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	7
Future Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	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	-	-	Yield
Storage Length	-	-	-	-	-	-	-	-	-	-	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	75	75	75	75	75	75	88	88	88	84	84	84
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	5	4	27	15	0	45	5	1200	33	13	552	8
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1188	1821	276	1531	1805	617	552	0	0	1233	0	0
Stage 1	578	578	-	1227	1227	-	-	-	-	-	-	-
Stage 2	610	1243	-	304	578	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	144	77	721	80	78	433	1014	-	-	561	-	-
Stage 1	468	499	-	189	249	-	-	-	-	-	-	-
Stage 2	448	245	-	681	499	-	-	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	124	73	721	71	74	433	1014	-	-	561	-	-
Mov Cap-2 Maneuver	124	73	-	71	74	-	-	-	-	-	-	-
Stage 1	461	482	-	186	245	-	-	-	-	-	-	-
Stage 2	395	241	-	628	482	-	-	-	-	-	-	-
Approach	SE		NW			NE			SW			
HCM Control Delay, s	20.6		32.4			0.1			0.5			
HCM LOS	C		D									
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR			
Capacity (veh/h)	1014	-	-	190	267	561	-	-	-			
HCM Lane V/C Ratio	0.004	-	-	0.314	0.135	0.024	-	-	-			
HCM Control Delay (s)	8.6	0.1	-	32.4	20.6	11.6	0.2	-	-			
HCM Lane LOS	A	A	-	D	C	B	A	-	-			
HCM 95th %tile Q(veh)	0	-	-	1.3	0.5	0.1	-	-	-			

Intersection						
Int Delay, s/veh	1.3					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	45	21	19	958	454	9
Future Vol, veh/h	45	21	19	958	454	9
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	-	-	-	-	150
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	49	23	21	1166	553	10
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1178	277	563	0	-	0
Stage 1	553	-	-	-	-	-
Stage 2	625	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	184	720	1005	-	-	-
Stage 1	540	-	-	-	-	-
Stage 2	496	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	173	720	1005	-	-	-
Mov Cap-2 Maneuver	173	-	-	-	-	-
Stage 1	508	-	-	-	-	-
Stage 2	496	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	27.9	0.3		0		
HCM LOS	D					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	1005	-	228	-	-	
HCM Lane V/C Ratio	0.021	-	0.315	-	-	
HCM Control Delay (s)	8.7	0.2	27.9	-	-	
HCM Lane LOS	A	A	D	-	-	
HCM 95th %tile Q(veh)	0.1	-	1.3	-	-	

Intersection						
Int Delay, s/veh	0.2					
Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	W		↑↑		↑↑	
Traffic Vol, veh/h	4	10	974	3	2	461
Future Vol, veh/h	4	10	974	3	2	461
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	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	11	1186	3	2	561
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1473	595	0	0	1189	0
Stage 1	1188	-	-	-	-	-
Stage 2	285	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	118	447	-	-	583	-
Stage 1	252	-	-	-	-	-
Stage 2	738	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	117	447	-	-	583	-
Mov Cap-2 Maneuver	117	-	-	-	-	-
Stage 1	252	-	-	-	-	-
Stage 2	734	-	-	-	-	-
Approach	NW	NE		SW		
HCM Control Delay, s	20.5	0		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NET	NER	NWL	Ln1	SWL	SWT
Capacity (veh/h)	-	-	248	583	-	-
HCM Lane V/C Ratio	-	-	0.061	0.004	-	-
HCM Control Delay (s)	-	-	20.5	11.2	0	-
HCM Lane LOS	-	-	C	B	A	-
HCM 95th %tile Q(veh)	-	-	0.2	0	-	-

Intersection													
Int Delay, s/veh 0.7													
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations	↖ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗ ↗												
Traffic Vol, veh/h	8	1	3	8	3	18	13	927	37	17	440	6	
Future Vol, veh/h	8	1	3	8	3	18	13	927	37	17	440	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield	
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	9	1	3	9	3	20	14	1129	40	18	536	7	
Major/Minor													
Minor2		Minor1			Major1			Major2					
Conflicting Flow All	1166	1729	268	1462	1729	565	536	0	0	1129	0	0	
Stage 1	572	572	-	1157	1157	-	-	-	-	-	-	-	
Stage 2	594	1157	-	305	572	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	149	87	730	90	87	468	1028	-	-	615	-	-	
Stage 1	472	502	-	209	269	-	-	-	-	-	-	-	
Stage 2	458	269	-	680	502	-	-	-	-	-	-	-	
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-	
Mov Cap-1 Maneuver	134	83	730	86	83	468	1028	-	-	615	-	-	
Mov Cap-2 Maneuver	134	83	-	86	83	-	-	-	-	-	-	-	
Stage 1	465	487	-	206	265	-	-	-	-	-	-	-	
Stage 2	428	265	-	656	487	-	-	-	-	-	-	-	
Approach													
SE			NW			NE			SW				
HCM Control Delay, s	29.7		18.3			0.1			0.4				
HCM LOS	D		C										
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR
Capacity (veh/h)	1028		-	-	83	468	125	730	615	-	-	-	
HCM Lane V/C Ratio	0.014		-	-	0.039	0.042	0.078	0.004	0.03	-	-	-	
HCM Control Delay (s)	8.6		-	-	50.1	13	36.2	10	11	-	-	-	
HCM Lane LOS	A		-	-	F	B	E	B	B	-	-	-	
HCM 95th %tile Q(veh)	0		-	-	0.1	0.1	0.2	0	0.1	-	-	-	

Intersection						
Int Delay, s/veh	0.5					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑	↑↑	↑↑	
Traffic Vol, veh/h	10	10	14	610	580	14
Future Vol, veh/h	10	10	14	610	580	14
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	-	0	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	63	63	87	87	96	96
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	16	16	16	785	677	15
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1110	346	692	0	-	0
Stage 1	685	-	-	-	-	-
Stage 2	425	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	203	650	899	-	-	-
Stage 1	462	-	-	-	-	-
Stage 2	627	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	199	650	899	-	-	-
Mov Cap-2 Maneuver	199	-	-	-	-	-
Stage 1	454	-	-	-	-	-
Stage 2	627	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	18.2	0.2		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	899	-	305	-	-	
HCM Lane V/C Ratio	0.018	-	0.104	-	-	
HCM Control Delay (s)	9.1	-	18.2	-	-	
HCM Lane LOS	A	-	C	-	-	
HCM 95th %tile Q(veh)	0.1	-	0.3	-	-	

Intersection						
Int Delay, s/veh	1.4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	26	598	570	24	39	37
Future Vol, veh/h	26	598	570	24	39	37
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	-	-	200	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	96	96	83	83
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	30	770	665	25	47	45
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	690	0	-	0	1110	333
Stage 1	-	-	-	-	665	-
Stage 2	-	-	-	-	445	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	900	-	-	-	203	663
Stage 1	-	-	-	-	473	-
Stage 2	-	-	-	-	613	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	900	-	-	-	196	663
Mov Cap-2 Maneuver	-	-	-	-	196	-
Stage 1	-	-	-	-	457	-
Stage 2	-	-	-	-	613	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.3	0	22.4			
HCM LOS			C			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	900	-	-	-	298	
HCM Lane V/C Ratio	0.033	-	-	-	0.307	
HCM Control Delay (s)	9.1	-	-	-	22.4	
HCM Lane LOS	A	-	-	-	C	
HCM 95th %tile Q(veh)	0.1	-	-	-	1.3	

Intersection						
Int Delay, s/veh	3.9					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	53	571	544	50	71	68
Future Vol, veh/h	53	571	544	50	71	68
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	-	-	220	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	87	87	96	96	81	81
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	61	735	635	52	88	84
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	687	0	-	0	1125	318
Stage 1	-	-	-	-	635	-
Stage 2	-	-	-	-	490	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	903	-	-	-	199	678
Stage 1	-	-	-	-	490	-
Stage 2	-	-	-	-	581	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	903	-	-	-	185	678
Mov Cap-2 Maneuver	-	-	-	-	185	-
Stage 1	-	-	-	-	457	-
Stage 2	-	-	-	-	581	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.7	0	34.6			
HCM LOS			D			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	903	-	-	-	287	
HCM Lane V/C Ratio	0.067	-	-	-	0.598	
HCM Control Delay (s)	9.3	-	-	-	34.6	
HCM Lane LOS	A	-	-	-	D	
HCM 95th %tile Q(veh)	0.2	-	-	-	3.6	

Intersection						
Int Delay, s/veh	2.2					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	587	37	36	558	44	46
Future Vol, veh/h	587	37	36	558	44	46
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	87	87	96	96	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	756	43	38	651	56	59
Major/Minor						
Conflicting Flow All	Major1	Major2		Minor1		
	0	0	799	0	1180	400
Stage 1	-	-	-	-	778	-
Stage 2	-	-	-	-	402	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	819	-	183	600
Stage 1	-	-	-	-	413	-
Stage 2	-	-	-	-	644	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	819	-	175	600
Mov Cap-2 Maneuver	-	-	-	-	175	-
Stage 1	-	-	-	-	413	-
Stage 2	-	-	-	-	614	-
Approach						
HCM Control Delay, s	EB	WB		NB		
	0	0.5		27.4		
HCM LOS				D		
Minor Lane/Major Mvmt						
Capacity (veh/h)	NBLn1	EBT	EBR	WBL	WBT	
	274	-	-	819	-	
HCM Lane V/C Ratio	0.421	-	-	0.046	-	
HCM Control Delay (s)	27.4	-	-	9.6	-	
HCM Lane LOS	D	-	-	A	-	
HCM 95th %tile Q(veh)	2	-	-	0.1	-	

Intersection						
Int Delay, s/veh	4.5					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	568	56	54	540	61	64
Future Vol, veh/h	568	56	54	540	61	64
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	87	87	96	96	73	73
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	731	64	56	630	84	88
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	795	0	1190	398
Stage 1	-	-	-	-	763	-
Stage 2	-	-	-	-	427	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	822	-	180	601
Stage 1	-	-	-	-	421	-
Stage 2	-	-	-	-	626	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	822	-	168	601
Mov Cap-2 Maneuver	-	-	-	-	168	-
Stage 1	-	-	-	-	421	-
Stage 2	-	-	-	-	583	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.8	40.1			
HCM LOS			E			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	266	-	-	822	-	
HCM Lane V/C Ratio	0.644	-	-	0.068	-	
HCM Control Delay (s)	40.1	-	-	9.7	-	
HCM Lane LOS	E	-	-	A	-	
HCM 95th %tile Q(veh)	4	-	-	0.2	-	

Intersection												
Int Delay, s/veh 0.6												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↔			↔			↑	↑↓		↑	↑↑	↑
Traffic Vol, veh/h	11	1	10	3	0	3	20	599	5	4	570	20
Future Vol, veh/h	11	1	10	3	0	3	20	599	5	4	570	20
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	-	-	-	-	-	-	0	-	-	0	-	680
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	12	1	11	3	0	3	22	729	5	4	694	22
Major/Minor												
Minor2		Minor1			Major1			Major2				
Conflicting Flow All	1111	1480	347	1132	1500	367	716	0	0	734	0	0
Stage 1	702	702	-	776	776	-	-	-	-	-	-	-
Stage 2	409	778	-	356	724	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	164	124	649	158	121	630	880	-	-	867	-	-
Stage 1	395	439	-	356	406	-	-	-	-	-	-	-
Stage 2	590	405	-	634	429	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	159	120	649	151	117	630	880	-	-	867	-	-
Mov Cap-2 Maneuver	159	120	-	151	117	-	-	-	-	-	-	-
Stage 1	385	437	-	347	396	-	-	-	-	-	-	-
Stage 2	572	395	-	619	427	-	-	-	-	-	-	-
Approach												
SE			NW			NE			SW			
HCM Control Delay, s	21.9		20.2			0.3			0.1			
HCM LOS	C		C									
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR	
Capacity (veh/h)	880		-	-	244	237	867	-	-	-	-	
HCM Lane V/C Ratio	0.025		-	-	0.027	0.101	0.005	-	-	-	-	
HCM Control Delay (s)	9.2		-	-	20.2	21.9	9.2	-	-	-	-	
HCM Lane LOS	A		-	-	C	C	A	-	-	-	-	
HCM 95th %tile Q(veh)	0.1		-	-	0.1	0.3	0	-	-	-	-	

Intersection													
Int Delay, s/veh	2.6												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations	↖↑			↖↑			↖↑	↖↑		↖↑	↖↑	↗↑	
Traffic Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	19	
Future Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	19	
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	-	-	Yield	
Storage Length	-	-	-	-	-	-	-	-	-	-	-	450	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	52	52	52	86	86	86	89	89	89	95	95	95	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	12	6	35	29	3	52	10	736	38	35	743	20	
Major/Minor	Minor2	Minor1			Major1			Major2					
Conflicting Flow All	1203	1607	372	1220	1588	387	743	0	0	774	0	0	
Stage 1	813	813	-	775	775	-	-	-	-	-	-	-	
Stage 2	390	794	-	445	813	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	140	104	625	136	107	611	860	-	-	837	-	-	
Stage 1	339	390	-	357	406	-	-	-	-	-	-	-	
Stage 2	606	398	-	562	390	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	116	94	625	114	97	611	860	-	-	837	-	-	
Mov Cap-2 Maneuver	116	94	-	114	97	-	-	-	-	-	-	-	
Stage 1	332	362	-	350	397	-	-	-	-	-	-	-	
Stage 2	538	390	-	484	362	-	-	-	-	-	-	-	
Approach	SE		NW			NE			SW				
HCM Control Delay, s	24.1		30.1			0.2			0.7				
HCM LOS	C		D										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	n1 SEL	n1	SWL	SWT	SWR				
Capacity (veh/h)	860	-	-	226	240	837	-	-					
HCM Lane V/C Ratio	0.012	-	-	0.373	0.216	0.042	-	-					
HCM Control Delay (s)	9.2	0.1	-	30.1	24.1	9.5	0.3	-					
HCM Lane LOS	A	A	-	D	C	A	A	A	-				
HCM 95th %tile Q(veh)	0	-	-	1.6	0.8	0.1	-	-					

Intersection

Int Delay, s/veh 0.7

Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	19	21	18	595	657	19
Future Vol, veh/h	19	21	18	595	657	19
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	-	-	-	-	150
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	21	23	20	724	800	21

Major/Minor	Minor2	Major1	Major2			
Conflicting Flow All	1202	400	821	0	-	0
Stage 1	800	-	-	-	-	-
Stage 2	402	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	177	600	804	-	-	-
Stage 1	403	-	-	-	-	-
Stage 2	644	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	170	600	804	-	-	-
Mov Cap-2 Maneuver	170	-	-	-	-	-
Stage 1	386	-	-	-	-	-
Stage 2	644	-	-	-	-	-

Approach	SE	NE	SW
HCM Control Delay, s	20.7	0.4	0
HCM LOS	C		

Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR
Capacity (veh/h)	804	-	273	-	-
HCM Lane V/C Ratio	0.024	-	0.159	-	-
HCM Control Delay (s)	9.6	0.2	20.7	-	-
HCM Lane LOS	A	A	C	-	-
HCM 95th %tile Q(veh)	0.1	-	0.6	-	-

Intersection						
Int Delay, s/veh	0.2					
Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	W		↑↓		↑↓	
Traffic Vol, veh/h	3	2	608	5	5	671
Future Vol, veh/h	3	2	608	5	5	671
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	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	3	2	740	5	5	817
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1162	373	0	0	745	0
Stage 1	743	-	-	-	-	-
Stage 2	419	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	188	624	-	-	859	-
Stage 1	431	-	-	-	-	-
Stage 2	632	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	186	624	-	-	859	-
Mov Cap-2 Maneuver	186	-	-	-	-	-
Stage 1	431	-	-	-	-	-
Stage 2	625	-	-	-	-	-
Approach	NW	NE		SW		
HCM Control Delay, s	19.2	0		0.2		
HCM LOS	C					
Minor Lane/Major Mvmt	NET	NER	NWL	Ln1	SWL	SWT
Capacity (veh/h)	-	-	259	859	-	-
HCM Lane V/C Ratio	-	-	0.021	0.006	-	-
HCM Control Delay (s)	-	-	19.2	9.2	0.1	-
HCM Lane LOS	-	-	C	A	A	-
HCM 95th %tile Q(veh)	-	-	0.1	0	-	-

Intersection													
Int Delay, s/veh	1												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations													
Traffic Vol, veh/h	8	2	8	24	5	22	5	596	12	14	656	6	
Future Vol, veh/h	8	2	8	24	5	22	5	596	12	14	656	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield	
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	9	2	9	26	5	24	5	726	13	15	799	7	
Major/Minor	Minor2	Minor1			Major1			Major2					
Conflicting Flow All	1205	1565	400	1167	1565	363	799	0	0	726	0	0	
Stage 1	829	829	-	736	736	-	-	-	-	-	-	-	
Stage 2	376	736	-	431	829	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	140	110	600	149	110	634	819	-	-	873	-	-	
Stage 1	331	383	-	377	423	-	-	-	-	-	-	-	
Stage 2	617	423	-	573	383	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	127	107	600	142	107	634	819	-	-	873	-	-	
Mov Cap-2 Maneuver	127	107	-	142	107	-	-	-	-	-	-	-	
Stage 1	329	376	-	375	420	-	-	-	-	-	-	-	
Stage 2	582	420	-	552	376	-	-	-	-	-	-	-	
Approach	SE	NW			NE			SW					
HCM Control Delay, s	25.7	16.4			0.1			0.2					
HCM LOS	D	C											
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Nln1	NWLn2	SELn1	SELn2	SWL	SWT	SWR		
Capacity (veh/h)	819	-	-	107	634	122	600	873	-	-	-		
HCM Lane V/C Ratio	0.007	-	-	0.051	0.038	0.089	0.014	0.017	-	-	-		
HCM Control Delay (s)	9.4	-	-	40.4	10.9	37.4	11.1	9.2	-	-	-		
HCM Lane LOS	A	-	-	E	B	E	B	A	-	-	-		
HCM 95th %tile Q(veh)	0	-	-	0.2	0.1	0.3	0	0.1	-	-	-		

Intersection						
Int Delay, s/veh	1.4					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑	↑↑	↑↑	
Traffic Vol, veh/h	13	20	15	772	1087	23
Future Vol, veh/h	13	20	15	772	1087	23
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	-	0	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	55	55	95	95	93	93
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	24	36	16	910	1309	25
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1809	667	1334	0	-	0
Stage 1	1322	-	-	-	-	-
Stage 2	487	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	70	401	513	-	-	-
Stage 1	213	-	-	-	-	-
Stage 2	583	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	68	401	513	-	-	-
Mov Cap-2 Maneuver	68	-	-	-	-	-
Stage 1	206	-	-	-	-	-
Stage 2	583	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	50.3	0.2		0		
HCM LOS	F					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	513	-	137	-	-	
HCM Lane V/C Ratio	0.031	-	0.438	-	-	
HCM Control Delay (s)	12.2	-	50.3	-	-	
HCM Lane LOS	B	-	F	-	-	
HCM 95th %tile Q(veh)	0.1	-	1.9	-	-	

Intersection						
Int Delay, s/veh	5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑↑	↑↑	↑	Y	
Traffic Vol, veh/h	59	728	1022	88	34	51
Future Vol, veh/h	59	728	1022	88	34	51
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	-	-	200	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	93	93	79	79
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	62	858	1231	95	43	65
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	1326	0	-	0	1784	616
Stage 1	-	-	-	-	1231	-
Stage 2	-	-	-	-	553	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	517	-	-	-	73	433
Stage 1	-	-	-	-	239	-
Stage 2	-	-	-	-	540	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	517	-	-	-	64	433
Mov Cap-2 Maneuver	-	-	-	-	64	-
Stage 1	-	-	-	-	210	-
Stage 2	-	-	-	-	540	-
Approach	EB	WB	SB			
HCM Control Delay, s	0.9	0	100.8			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	517	-	-	-	131	
HCM Lane V/C Ratio	0.12	-	-	-	0.821	
HCM Control Delay (s)	12.9	-	-	-	100.8	
HCM Lane LOS	B	-	-	-	F	
HCM 95th %tile Q(veh)	0.4	-	-	-	5.1	

Intersection						
Int Delay, s/veh	11.5					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	90	697	976	134	47	71
Future Vol, veh/h	90	697	976	134	47	71
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	-	-	220	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	95	95	93	93	84	84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	95	822	1175	144	56	85
Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	1319	0	-	0	1776	588
Stage 1	-	-	-	-	1175	-
Stage 2	-	-	-	-	601	-
Critical Hdwy	4.14	-	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	2.22	-	-	-	3.52	3.32
Pot Cap-1 Maneuver	520	-	-	-	74	452
Stage 1	-	-	-	-	256	-
Stage 2	-	-	-	-	510	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	520	-	-	-	60	452
Mov Cap-2 Maneuver	-	-	-	-	60	-
Stage 1	-	-	-	-	209	-
Stage 2	-	-	-	-	510	-
Approach	EB	WB	SB			
HCM Control Delay, s	1.4	0	185.5			
HCM LOS			F			
Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	
Capacity (veh/h)	520	-	-	-	125	
HCM Lane V/C Ratio	0.182	-	-	-	1.124	
HCM Control Delay (s)	13.5	-	-	-	185.5	
HCM Lane LOS	B	-	-	-	F	
HCM 95th %tile Q(veh)	0.7	-	-	-	8.3	

Intersection						
Int Delay, s/veh	6.9					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↑		↑	↑↑	Y	
Traffic Vol, veh/h	740	47	70	1040	50	33
Future Vol, veh/h	740	47	70	1040	50	33
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	93	93	74	74
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	872	49	75	1252	68	45
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	921	0	1673	461
Stage 1	-	-	-	-	897	-
Stage 2	-	-	-	-	776	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	737	-	87	547
Stage 1	-	-	-	-	358	-
Stage 2	-	-	-	-	414	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	737	-	78	547
Mov Cap-2 Maneuver	-	-	-	-	78	-
Stage 1	-	-	-	-	358	-
Stage 2	-	-	-	-	372	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	0.6	139.2			
HCM LOS			F			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	118	-	-	737	-	
HCM Lane V/C Ratio	0.951	-	-	0.102	-	
HCM Control Delay (s)	139.2	-	-	10.4	-	
HCM Lane LOS	F	-	-	B	-	
HCM 95th %tile Q(veh)	6.1	-	-	0.3	-	

Intersection						
Int Delay, s/veh	36.8					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑↓		↑	↑↑	Y	
Traffic Vol, veh/h	685	102	153	957	91	61
Future Vol, veh/h	685	102	153	957	91	61
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	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	93	93	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	808	107	165	1153	101	68
Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	915	0	1769	458
Stage 1	-	-	-	-	862	-
Stage 2	-	-	-	-	907	-
Critical Hdwy	-	-	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	5.84	-
Follow-up Hdwy	-	-	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	-	-	741	-	~ 75	550
Stage 1	-	-	-	-	374	-
Stage 2	-	-	-	-	354	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	741	-	~ 58	550
Mov Cap-2 Maneuver	-	-	-	-	~ 58	-
Stage 1	-	-	-	-	374	-
Stage 2	-	-	-	-	275	-
Approach	EB	WB	NB			
HCM Control Delay, s	0	1.4	\$ 511.8			
HCM LOS			F			
Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	90	-	-	741	-	
HCM Lane V/C Ratio	1.877	-	-	0.222	-	
HCM Control Delay (s)	\$ 511.8	-	-	11.2	-	
HCM Lane LOS	F	-	-	B	-	
HCM 95th %tile Q(veh)	14.3	-	-	0.8	-	
Notes						
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon

Intersection												
Int Delay, s/veh 1.7												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖↑			↖↑			↖↑	↑↑		↖↑	↑↑	↖↑
Traffic Vol, veh/h	13	2	19	6	1	4	25	756	6	8	1065	37
Future Vol, veh/h	13	2	19	6	1	4	25	756	6	8	1065	37
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	-	-	-	-	-	-	0	-	-	0	-	680
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	14	2	21	7	1	4	27	920	7	9	1297	40
Major/Minor												
Minor2		Minor1			Major1			Major2				
Conflicting Flow All	1830	2296	649	1646	2333	464	1337	0	0	927	0	0
Stage 1	1315	1315	-	978	978	-	-	-	-	-	-	-
Stage 2	515	981	-	668	1355	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	48	38	412	65	36	545	512	-	-	733	-	-
Stage 1	167	226	-	269	327	-	-	-	-	-	-	-
Stage 2	511	326	-	414	216	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	44	36	412	56	34	545	512	-	-	733	-	-
Mov Cap-2 Maneuver	44	36	-	56	34	-	-	-	-	-	-	-
Stage 1	158	223	-	255	310	-	-	-	-	-	-	-
Stage 2	479	309	-	385	213	-	-	-	-	-	-	-
Approach												
SE			NW			NE			SW			
HCM Control Delay, s	75.3		61			0.4			0.1			
HCM LOS	F		F									
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR	
Capacity (veh/h)	512		-	-	76	86	733	-	-	-	-	
HCM Lane V/C Ratio	0.053		-	-	0.157	0.43	0.012	-	-	-	-	
HCM Control Delay (s)	12.4		-	-	61	75.3	10	-	-	-	-	
HCM Lane LOS	B		-	-	F	F	A	-	-	-	-	
HCM 95th %tile Q(veh)	0.2		-	-	0.5	1.8	0	-	-	-	-	

Intersection												
Int Delay, s/veh 5.2												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗			↖ ↗			↖ ↗	↖ ↗		↖ ↗	↖ ↗	↗
Traffic Vol, veh/h	2	0	7	30	1	39	3	625	36	34	1041	3
Future Vol, veh/h	2	0	7	30	1	39	3	625	36	34	1041	3
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	-	-	Yield
Storage Length	-	-	-	-	-	-	-	-	-	-	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	63	63	63	72	72	72	92	92	92	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	3	0	11	47	1	61	3	761	44	41	1254	3
Major/Minor												
Minor2		Minor1			Major1			Major2				
Conflicting Flow All	1723	2147	627	1498	2125	403	1254	0	0	805	0	0
Stage 1	1336	1336	-	789	789	-	-	-	-	-	-	-
Stage 2	387	811	-	709	1336	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	57	48	426	85	49	597	551	-	-	815	-	-
Stage 1	162	221	-	350	400	-	-	-	-	-	-	-
Stage 2	608	391	-	391	221	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	43	40	426	72	40	597	551	-	-	815	-	-
Mov Cap-2 Maneuver	43	40	-	72	40	-	-	-	-	-	-	-
Stage 1	160	184	-	347	396	-	-	-	-	-	-	-
Stage 2	539	387	-	317	184	-	-	-	-	-	-	-
Approach												
SE			NW			NE			SW			
HCM Control Delay, s	33		89.2			0.1			1.1			
HCM LOS	D		F									
Minor Lane/Major Mvmt			NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR	
Capacity (veh/h)	551		-	-	139	143	815	-	-	-	-	
HCM Lane V/C Ratio	0.006		-	-	0.782	0.1	0.05	-	-	-	-	
HCM Control Delay (s)	11.6		0.1	-	89.2	33	9.7	0.8	-	-	-	
HCM Lane LOS	B		A	-	F	D	A	A	-	-	-	
HCM 95th %tile Q(veh)	0		-	-	4.8	0.3	0.2	-	-	-	-	

Intersection						
Int Delay, s/veh	1.4					
Movement	SEL	SER	NEL	NET	SWT	SWR
Lane Configurations	W		↑↑	↑↑	↑	
Traffic Vol, veh/h	23	31	49	606	695	66
Future Vol, veh/h	23	31	49	606	695	66
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	-	-	-	-	150
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	25	34	53	738	846	72
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1321	423	918	0	-	0
Stage 1	846	-	-	-	-	-
Stage 2	475	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	-	-
Pot Cap-1 Maneuver	148	579	739	-	-	-
Stage 1	381	-	-	-	-	-
Stage 2	592	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	130	579	739	-	-	-
Mov Cap-2 Maneuver	130	-	-	-	-	-
Stage 1	335	-	-	-	-	-
Stage 2	592	-	-	-	-	-
Approach	SE	NE		SW		
HCM Control Delay, s	25.5	1.2		0		
HCM LOS	D					
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWT	SWR	
Capacity (veh/h)	739	-	234	-	-	
HCM Lane V/C Ratio	0.072	-	0.251	-	-	
HCM Control Delay (s)	10.2	0.5	25.5	-	-	
HCM Lane LOS	B	A	D	-	-	
HCM 95th %tile Q(veh)	0.2	-	1	-	-	

Intersection						
Int Delay, s/veh	0.2					
Movement	NWL	NWR	NET	NER	SWL	SWT
Lane Configurations	W		↑↓		↑↓	
Traffic Vol, veh/h	5	4	648	7	9	752
Future Vol, veh/h	5	4	648	7	9	752
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	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	5	4	789	8	10	915
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	1271	399	0	0	797	0
Stage 1	793	-	-	-	-	-
Stage 2	478	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22	-
Pot Cap-1 Maneuver	160	601	-	-	821	-
Stage 1	406	-	-	-	-	-
Stage 2	590	-	-	-	-	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	156	601	-	-	821	-
Mov Cap-2 Maneuver	156	-	-	-	-	-
Stage 1	406	-	-	-	-	-
Stage 2	575	-	-	-	-	-
Approach	NW	NE		SW		
HCM Control Delay, s	21.1	0		0.2		
HCM LOS	C					
Minor Lane/Major Mvmt	NET	NER	NWL	Ln1	SWL	SWT
Capacity (veh/h)	-	-	233	821	-	-
HCM Lane V/C Ratio	-	-	0.042	0.012	-	-
HCM Control Delay (s)	-	-	21.1	9.4	0.1	-
HCM Lane LOS	-	-	C	A	A	-
HCM 95th %tile Q(veh)	-	-	0.1	0	-	-

Intersection													
Int Delay, s/veh	1.2												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR	
Lane Configurations	↖ ↗	↖ ↗	↑ ↗	↑ ↗	↖ ↗	↖ ↗	↖ ↗	↑↑ ↗	↖ ↗	↖ ↗	↑↑ ↗	↖ ↗	
Traffic Vol, veh/h	8	2	11	32	6	24	6	635	14	18	735	8	
Future Vol, veh/h	8	2	11	32	6	24	6	635	14	18	735	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield	
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220	
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	9	2	12	35	7	26	7	773	15	20	895	9	
Major/Minor	Minor2	Minor1			Major1			Major2					
Conflicting Flow All	1339	1722	448	1276	1722	387	895	0	0	773	0	0	
Stage 1	935	935	-	787	787	-	-	-	-	-	-	-	
Stage 2	404	787	-	489	935	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-	
Pot Cap-1 Maneuver	111	88	558	124	88	611	754	-	-	838	-	-	
Stage 1	285	342	-	351	401	-	-	-	-	-	-	-	
Stage 2	594	401	-	529	342	-	-	-	-	-	-	-	
Platoon blocked, %								-	-	-	-	-	
Mov Cap-1 Maneuver	98	85	558	116	85	611	754	-	-	838	-	-	
Mov Cap-2 Maneuver	98	85	-	116	85	-	-	-	-	-	-	-	
Stage 1	282	334	-	348	397	-	-	-	-	-	-	-	
Stage 2	554	397	-	502	334	-	-	-	-	-	-	-	
Approach	SE	NW			NE			SW					
HCM Control Delay, s	28.8	19.1			0.1			0.2					
HCM LOS	D	C											
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Nln1	NWLn2	SELn1	SELn2	SWL	SWT	SWR		
Capacity (veh/h)	754	-	-	85	611	95	558	838	-	-	-		
HCM Lane V/C Ratio	0.009	-	-	0.077	0.043	0.114	0.021	0.023	-	-	-		
HCM Control Delay (s)	9.8	-	-	50.8	11.2	47.7	11.6	9.4	-	-	-		
HCM Lane LOS	A	-	-	F	B	E	B	A	-	-	-		
HCM 95th %tile Q(veh)	0	-	-	0.2	0.1	0.4	0.1	0.1	-	-	-		

Intersection							
Int Delay, s/veh	2.5						
Movement	SEL	SER	NEL	NET	SWU	SWT	SWR
Lane Configurations	W		W	↑↑	W	↑↑	
Traffic Vol, veh/h	37	19	14	1162	7	604	7
Future Vol, veh/h	37	19	14	1162	7	604	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	-	None
Storage Length	0	-	0	-	0	-	-
Veh in Median Storage, #	0	-	-	0	-	0	-
Grade, %	0	-	-	0	-	0	-
Peak Hour Factor	64	64	90	90	92	93	93
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	58	30	16	1446	8	727	8
Major/Minor	Minor2	Major1	Major2				
Conflicting Flow All	1502	368	735	0	1446	-	0
Stage 1	747	-	-	-	-	-	-
Stage 2	755	-	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	6.44	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	2.52	-	-
Pot Cap-1 Maneuver	112	629	866	-	171	-	-
Stage 1	429	-	-	-	-	-	-
Stage 2	425	-	-	-	-	-	-
Platoon blocked, %			-	-	-	-	-
Mov Cap-1 Maneuver	105	629	866	-	171	-	-
Mov Cap-2 Maneuver	105	-	-	-	-	-	-
Stage 1	421	-	-	-	-	-	-
Stage 2	405	-	-	-	-	-	-
Approach	SE	NE	SW				
HCM Control Delay, s	61.1		0.1	0.3			
HCM LOS	F						
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWU	SWT	SWR	
Capacity (veh/h)	866	-	146	171	-	-	
HCM Lane V/C Ratio	0.018	-	0.599	0.044	-	-	
HCM Control Delay (s)	9.2	-	61.1	27	-	-	
HCM Lane LOS	A	-	F	D	-	-	
HCM 95th %tile Q(veh)	0.1	-	3.1	0.1	-	-	

Intersection

Int Delay, s/veh 9.3

Movement	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations							
Traffic Vol, veh/h	40	1136	0	590	21	82	43
Future Vol, veh/h	40	1136	0	590	21	82	43
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	-	None	-	None
Storage Length	0	-	0	-	200	0	-
Veh in Median Storage, #	-	0	-	0	-	0	-
Grade, %	-	0	-	0	-	0	-
Peak Hour Factor	90	90	92	93	93	82	82
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	44	1414	0	711	23	100	52

Major/Minor	Major1	Major2		Minor2		
Conflicting Flow All	734	0	1414	-	0	1506
Stage 1	-	-	-	-	711	-
Stage 2	-	-	-	-	795	-
Critical Hdwy	4.14	-	6.44	-	-	6.84
Critical Hdwy Stg 1	-	-	-	-	-	5.84
Critical Hdwy Stg 2	-	-	-	-	-	5.84
Follow-up Hdwy	2.22	-	2.52	-	-	3.52
Pot Cap-1 Maneuver	867	-	179	-	-	112
Stage 1	-	-	-	-	448	-
Stage 2	-	-	-	-	405	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	867	-	179	-	-	106
Mov Cap-2 Maneuver	-	-	-	-	-	106
Stage 1	-	-	-	-	425	-
Stage 2	-	-	-	-	405	-

Approach	EB	WB	SB
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HCM Control Delay, s 0.3

HCM LOS F

Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1
Capacity (veh/h)	867	-	179	-	-	149
HCM Lane V/C Ratio	0.051	-	-	-	-	1.023
HCM Control Delay (s)	9.4	-	0	-	-	140
HCM Lane LOS	A	-	A	-	-	F
HCM 95th %tile Q(veh)	0.2	-	0	-	-	7.8

Intersection								
Int Delay, s/veh	183.2							
Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Traffic Vol, veh/h	19	80	1096	60	569	42	127	68
Future Vol, veh/h	19	80	1096	60	569	42	127	68
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	-	0	-	0	-	220	0	-
Veh in Median Storage, #	-	-	0	-	0	-	0	-
Grade, %	-	-	0	-	0	-	0	-
Peak Hour Factor	92	90	90	92	93	93	67	67
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	21	89	1364	65	685	45	190	101
Major/Minor	Major1		Major2		Minor2			
Conflicting Flow All	685	730	0	1364	-	0	1717	343
Stage 1	-	-	-	-	-	-	815	-
Stage 2	-	-	-	-	-	-	902	-
Critical Hdwy	6.44	4.14	-	6.44	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	2.22	-	2.52	-	-	3.52	3.32
Pot Cap-1 Maneuver	528	870	-	193	-	-	~81	653
Stage 1	-	-	-	-	-	-	396	-
Stage 2	-	-	-	-	-	-	356	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	751	751	-	193	-	-	~46	653
Mov Cap-2 Maneuver	-	-	-	-	-	-	~46	-
Stage 1	-	-	-	-	-	-	338	-
Stage 2	-	-	-	-	-	-	236	-
Approach	EB		WB		SB			
HCM Control Delay, s	0.8		2.7		\$ 1600.1			
HCM LOS					F			
Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1		
Capacity (veh/h)	751	-	193	-	-	68		
HCM Lane V/C Ratio	0.146	-	0.338	-	-	4.28		
HCM Control Delay (s)	10.6	-	32.9	-	\$ 1600.1			
HCM Lane LOS	B	-	D	-	-	F		
HCM 95th %tile Q(veh)	0.5	-	1.4	-	-	31.4		
Notes	<p>~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon</p>							

Intersection								
Int Delay, s/veh	13.9							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	6	1128	48	12	26	585	37	69
Future Vol, veh/h	6	1128	48	12	26	585	37	69
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	90	90	92	93	93	74	74
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	7	1404	53	13	28	705	50	93
Major/Minor	Major1		Major2		Minor1			
Conflicting Flow All	705	0	0	1457	1457	0	1880	729
Stage 1	-	-	-	-	-	-	1445	-
Stage 2	-	-	-	-	-	-	435	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	513	-	-	168	460	-	63	365
Stage 1	-	-	-	-	-	-	183	-
Stage 2	-	-	-	-	-	-	620	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	513	-	-	262	262	-	52	365
Mov Cap-2 Maneuver	-	-	-	-	-	-	52	-
Stage 1	-	-	-	-	-	-	180	-
Stage 2	-	-	-	-	-	-	523	-
Approach	EB		WB		NB			
HCM Control Delay, s	0.1		1.2		221.4			
HCM LOS					F			
Minor Lane/Major Mvmt	NBLn1	EBU	EBT	EBR	WBL	WBT		
Capacity (veh/h)	118	513	-	-	262	-		
HCM Lane V/C Ratio	1.214	0.013	-	-	0.156	-		
HCM Control Delay (s)	221.4	12.1	-	-	21.3	-		
HCM Lane LOS	F	B	-	-	C	-		
HCM 95th %tile Q(veh)	9.1	0	-	-	0.5	-		

Intersection								
Int Delay, s/veh	48							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	15	1096	80	12	42	569	59	112
Future Vol, veh/h	15	1096	80	12	42	569	59	112
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	90	90	92	93	93	79	79
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	16	1364	89	13	45	685	75	142
Major/Minor								
Major1		Major2			Minor1			
Conflicting Flow All	685	0	0	1453	1453	0	1900	727
Stage 1	-	-	-	-	-	-	1441	-
Stage 2	-	-	-	-	-	-	459	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	528	-	-	169	462	-	~61	366
Stage 1	-	-	-	-	-	-	184	-
Stage 2	-	-	-	-	-	-	603	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	528	-	-	278	278	-	~47	366
Mov Cap-2 Maneuver	-	-	-	-	-	-	~47	-
Stage 1	-	-	-	-	-	-	178	-
Stage 2	-	-	-	-	-	-	478	-
Approach								
EB			WB			NB		
HCM Control Delay, s	0.1			1.7		\$ 531.9		
HCM LOS						F		
Minor Lane/Major Mvmt								
Capacity (veh/h)	110	528	-	-	278	-		
HCM Lane V/C Ratio	1.968	0.031	-	-	0.209	-		
HCM Control Delay (s)	\$ 531.9	12	-	-	21.3	-		
HCM Lane LOS	F	B	-	-	C	-		
HCM 95th %tile Q(veh)	17.9	0.1	-	-	0.8	-		
Notes								
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon		

Intersection															
Int Delay, s/veh	4.5														
Movement	SEL	SET	SER	NWL	NWT	NWR	NEU	NEL	NET	NER	SWU	SWL	SWT	SWR	
Lane Configurations	↔			↔				↔	↑↓			↔	↑↑	↑	
Traffic Vol, veh/h	35	3	18	5	1	9	18	10	1163	3	25	2	603	6	
Future Vol, veh/h	35	3	18	5	1	9	18	10	1163	3	25	2	603	6	
Conflicting Peds, #/hr	0	0	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	Free	Free	
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	-	None	
Storage Length	-	-	-	-	-	-	-	0	-	-	-	0	-	680	
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	-	0	-	
Grade, %	-	0	-	-	0	-	-	-	0	-	-	-	0	-	
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
Mvmt Flow	38	3	20	5	1	10	20	11	1416	3	27	2	734	7	
Major/Minor		Minor2	Minor1			Major1			Major2						
Conflicting Flow All	1563	2273	367	1907	2279	710	734	741	0	0	1419	1419	0	0	
Stage 1	792	792	-	1480	1480	-	-	-	-	-	-	-	-	-	
Stage 2	771	1481	-	427	799	-	-	-	-	-	-	-	-	-	
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	6.44	4.14	-	-	6.44	4.14	-	-	
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-	
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-	
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.52	2.22	-	-	2.52	2.22	-	-	
Pot Cap-1 Maneuver	76	40	630	42	39	376	491	862	-	-	178	476	-	-	
Stage 1	349	399	-	132	188	-	-	-	-	-	-	-	-	-	
Stage 2	359	187	-	576	396	-	-	-	-	-	-	-	-	-	
Platoon blocked, %									-	-	-	-	-	-	
Mov Cap-1 Maneuver	61	32	630	32	31	376	568	568	-	-	183	183	-	-	
Mov Cap-2 Maneuver	61	32	-	32	31	-	-	-	-	-	-	-	-	-	
Stage 1	331	336	-	125	178	-	-	-	-	-	-	-	-	-	
Stage 2	329	177	-	465	333	-	-	-	-	-	-	-	-	-	
Approach		SE	NW			NE			SW						
HCM Control Delay, s	131.5		70.2			0.2			1.1						
HCM LOS	F		F												
Minor Lane/Major Mvmt		NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR					
Capacity (veh/h)	568	-	-	71	80	183	-	-	-	-					
HCM Lane V/C Ratio	0.054	-	-	0.23	0.761	0.16	-	-	-	-					
HCM Control Delay (s)	11.7	-	-	70.2	131.5	28.5	-	-	-	-					
HCM Lane LOS	B	-	-	F	F	D	-	-	-	-					
HCM 95th %tile Q(veh)	0.2	-	-	0.8	3.7	0.6	-	-	-	-					

Intersection

Int Delay, s/veh 1.6

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	7
Future Vol, veh/h	4	3	20	10	0	30	4	943	26	10	414	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	-	-	Yield
Storage Length	-	-	-	-	-	-	0	-	-	0	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	75	75	75	75	75	75	88	88	88	84	84	84
Heavy Vehicles, %	8	8	8	14	14	14	2	2	2	3	3	3
Mvmt Flow	5	4	27	15	0	45	5	1200	33	13	552	9

Major/Minor	Minor2	Minor1				Major1			Major2			
Conflicting Flow All	1188	1821	276	1531	1805	617	552	0	0	1233	0	0
Stage 1	578	578	-	1227	1227	-	-	-	-	-	-	-
Stage 2	610	1243	-	304	578	-	-	-	-	-	-	-
Critical Hdwy	7.66	6.66	7.06	7.78	6.78	7.18	4.14	-	-	4.16	-	-
Critical Hdwy Stg 1	6.66	5.66	-	6.78	5.78	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.66	5.66	-	6.78	5.78	-	-	-	-	-	-	-
Follow-up Hdwy	3.58	4.08	3.38	3.64	4.14	3.44	2.22	-	-	2.23	-	-
Pot Cap-1 Maneuver	137	72	704	71	69	405	1014	-	-	555	-	-
Stage 1	454	485	-	171	226	-	-	-	-	-	-	-
Stage 2	434	233	-	648	471	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	119	70	704	64	67	405	1014	-	-	555	-	-
Mov Cap-2 Maneuver	119	70	-	64	67	-	-	-	-	-	-	-
Stage 1	452	474	-	170	225	-	-	-	-	-	-	-
Stage 2	384	232	-	604	460	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	21.3	36.1			0			0.3		
HCM LOS	C	E								

Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR
Capacity (veh/h)	1014	-	-	174	257	555	-	-	-
HCM Lane V/C Ratio	0.005	-	-	0.343	0.14	0.024	-	-	-
HCM Control Delay (s)	8.6	-	-	36.1	21.3	11.6	-	-	-
HCM Lane LOS	A	-	-	E	C	B	-	-	-
HCM 95th %tile Q(veh)	0	-	-	1.4	0.5	0.1	-	-	-

Intersection

Int Delay, s/veh 1.7

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	45	0	21	4	0	10	19	955	3	2	452	9
Future Vol, veh/h	45	0	21	4	0	10	19	955	3	2	452	9
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									
Storage Length	-	-	-	-	-	-	0	-	-	0	-	150
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	49	0	23	4	0	11	21	1163	3	2	550	10

Major/Minor	Minor2	Minor1				Major1			Major2			
Conflicting Flow All	1178	1762	275	1486	1771	583	560	0	0	1166	0	0
Stage 1	554	554	-	1207	1207	-	-	-	-	-	-	-
Stage 2	624	1208	-	279	564	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	146	83	722	86	82	456	1007	-	-	595	-	-
Stage 1	484	512	-	194	254	-	-	-	-	-	-	-
Stage 2	440	254	-	704	507	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	140	81	722	82	80	456	1007	-	-	595	-	-
Mov Cap-2 Maneuver	140	81	-	82	80	-	-	-	-	-	-	-
Stage 1	474	510	-	190	249	-	-	-	-	-	-	-
Stage 2	421	249	-	679	505	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	35.5	24.7			0.2			0		
HCM LOS	E	C								
<hr/>										
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR	
Capacity (veh/h)	1007	-	-	198	188	595	-	-	-	
HCM Lane V/C Ratio	0.021	-	-	0.077	0.382	0.004	-	-	-	
HCM Control Delay (s)	8.7	-	-	24.7	35.5	11.1	-	-	-	
HCM Lane LOS	A	-	-	C	E	B	-	-	-	
HCM 95th %tile Q(veh)	0.1	-	-	0.2	1.7	0	-	-	-	

Intersection												
Int Delay, s/veh	0.9											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↖ ↗	↑↑	↖ ↗	↖ ↗	↑↑	↖ ↗
Traffic Vol, veh/h	8	1	3	8	3	18	13	927	37	17	440	6
Future Vol, veh/h	8	1	3	8	3	18	13	927	37	17	440	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	1	3	9	3	20	14	1129	40	18	536	7
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1166	1729	268	1462	1729	565	536	0	0	1129	0	0
Stage 1	572	572	-	1157	1157	-	-	-	-	-	-	-
Stage 2	594	1157	-	305	572	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	149	87	730	90	87	468	1028	-	-	615	-	-
Stage 1	472	502	-	209	269	-	-	-	-	-	-	-
Stage 2	458	269	-	680	502	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	134	83	730	86	83	468	1028	-	-	615	-	-
Mov Cap-2 Maneuver	134	83	-	86	83	-	-	-	-	-	-	-
Stage 1	465	487	-	206	265	-	-	-	-	-	-	-
Stage 2	428	265	-	656	487	-	-	-	-	-	-	-
Approach	SE			NW			NE			SW		
HCM Control Delay, s	29.7			28.6			0.1			0.4		
HCM LOS	D			D								
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR	
Capacity (veh/h)	1028	-	-	85	468	125	730	615	-	-	-	
HCM Lane V/C Ratio	0.014	-	-	0.141	0.042	0.078	0.004	0.03	-	-	-	
HCM Control Delay (s)	8.6	-	-	54.2	13	36.2	10	11	-	-	-	
HCM Lane LOS	A	-	-	F	B	E	B	B	-	-	-	
HCM 95th %tile Q(veh)	0	-	-	0.5	0.1	0.2	0	0.1	-	-	-	

Intersection							
Int Delay, s/veh	0.5						
Movement	SEL	SER	NEL	NET	SWU	SWT	SWR
Lane Configurations	W		W	↑↑	W	↑↑	
Traffic Vol, veh/h	10	10	14	610	7	580	14
Future Vol, veh/h	10	10	14	610	7	580	14
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	-	None
Storage Length	0	-	0	-	0	-	-
Veh in Median Storage, #	0	-	-	0	-	0	-
Grade, %	0	-	-	0	-	0	-
Peak Hour Factor	62	62	87	87	92	96	96
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	16	16	16	785	8	677	15
Major/Minor							
Major/Minor	Minor2		Major1	Major2			
Conflicting Flow All	1126	346	692	0	785	-	0
Stage 1	701	-	-	-	-	-	-
Stage 2	425	-	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	6.44	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	2.52	-	-
Pot Cap-1 Maneuver	199	650	899	-	456	-	-
Stage 1	453	-	-	-	-	-	-
Stage 2	627	-	-	-	-	-	-
Platoon blocked, %			-	-	-	-	-
Mov Cap-1 Maneuver	192	650	899	-	456	-	-
Mov Cap-2 Maneuver	192	-	-	-	-	-	-
Stage 1	445	-	-	-	-	-	-
Stage 2	616	-	-	-	-	-	-
Approach							
Approach	SE		NE	SW			
HCM Control Delay, s	18.6		0.2	0.1			
HCM LOS	C						
Minor Lane/Major Mvmt							
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWU	SWT	SWR	
Capacity (veh/h)	899	-	296	456	-	-	
HCM Lane V/C Ratio	0.018	-	0.109	0.017	-	-	
HCM Control Delay (s)	9.1	-	18.6	13	-	-	
HCM Lane LOS	A	-	C	B	-	-	
HCM 95th %tile Q(veh)	0.1	-	0.4	0.1	-	-	

Intersection

Int Delay, s/veh 1.4

Movement	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations							
Traffic Vol, veh/h	26	598	0	570	24	39	37
Future Vol, veh/h	26	598	0	570	24	39	37
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	-	None	-	None
Storage Length	0	-	0	-	200	0	-
Veh in Median Storage, #	-	0	-	0	-	0	-
Grade, %	-	0	-	0	-	0	-
Peak Hour Factor	87	87	92	96	96	83	83
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	30	770	0	665	25	47	45

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	690	0	770
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	4.14	-	6.44
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	2.22	-	2.52
Pot Cap-1 Maneuver	900	-	466
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	900	-	466
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	SB
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HCM Control Delay, s 0.3

HCM LOS C

Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1
Capacity (veh/h)	900	-	466	-	-	298
HCM Lane V/C Ratio	0.033	-	-	-	-	0.307
HCM Control Delay (s)	9.1	-	0	-	-	22.4
HCM Lane LOS	A	-	A	-	-	C
HCM 95th %tile Q(veh)	0.1	-	0	-	-	1.3

Intersection								
Int Delay, s/veh	6.7							
Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Traffic Vol, veh/h	15	53	571	40	544	50	71	68
Future Vol, veh/h	15	53	571	40	544	50	71	68
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	-	0	-	0	-	220	0	-
Veh in Median Storage, #	-	-	0	-	0	-	0	-
Grade, %	-	-	0	-	0	-	0	-
Peak Hour Factor	92	87	87	92	96	96	81	81
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	16	61	735	43	635	52	88	84
Major/Minor	Major1		Major2		Minor2			
Conflicting Flow All	635	687	0	735	-	0	1243	318
Stage 1	-	-	-	-	-	-	721	-
Stage 2	-	-	-	-	-	-	522	-
Critical Hdwy	6.44	4.14	-	6.44	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	2.22	-	2.52	-	-	3.52	3.32
Pot Cap-1 Maneuver	568	903	-	491	-	-	167	678
Stage 1	-	-	-	-	-	-	443	-
Stage 2	-	-	-	-	-	-	560	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	777	777	-	491	-	-	137	678
Mov Cap-2 Maneuver	-	-	-	-	-	-	137	-
Stage 1	-	-	-	-	-	-	399	-
Stage 2	-	-	-	-	-	-	511	-
Approach	EB		WB		SB			
HCM Control Delay, s	1		0.8		58.9			
HCM LOS					F			
Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1		
Capacity (veh/h)	777	-	491	-	-	225		
HCM Lane V/C Ratio	0.099	-	0.089	-	-	0.763		
HCM Control Delay (s)	10.1	-	13	-	-	58.9		
HCM Lane LOS	B	-	B	-	-	F		
HCM 95th %tile Q(veh)	0.3	-	0.3	-	-	5.4		

Intersection								
Int Delay, s/veh	2.6							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	5	587	37	13	36	558	44	46
Future Vol, veh/h	5	587	37	13	36	558	44	46
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	87	87	92	96	96	78	78
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	5	756	43	14	38	651	56	59
Major/Minor								
Major1		Major2			Minor1			
Conflicting Flow All	651	0	0	798	799	0	1218	400
Stage 1	-	-	-	-	-	-	788	-
Stage 2	-	-	-	-	-	-	430	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	555	-	-	447	819	-	173	600
Stage 1	-	-	-	-	-	-	409	-
Stage 2	-	-	-	-	-	-	624	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	555	-	-	645	645	-	158	600
Mov Cap-2 Maneuver	-	-	-	-	-	-	158	-
Stage 1	-	-	-	-	-	-	405	-
Stage 2	-	-	-	-	-	-	573	-
Approach								
EB			WB			NB		
HCM Control Delay, s	0.1		0.8			30.6		
HCM LOS						D		
Minor Lane/Major Mvmt								
Capacity (veh/h)	253	555	-	-	645	-		
HCM Lane V/C Ratio	0.456	0.01	-	-	0.08	-		
HCM Control Delay (s)	30.6	11.6	-	-	11.1	-		
HCM Lane LOS	D	B	-	-	B	-		
HCM 95th %tile Q(veh)	2.2	0	-	-	0.3	-		

Intersection								
Int Delay, s/veh	6.6							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	27	568	56	12	54	540	61	64
Future Vol, veh/h	27	568	56	12	54	540	61	64
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	87	87	92	96	96	73	73
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	29	731	64	13	56	630	84	88
Major/Minor								
Major1		Major2			Minor1			
Conflicting Flow All	630	0	0	796	795	0	1274	398
Stage 1	-	-	-	-	-	-	821	-
Stage 2	-	-	-	-	-	-	453	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	572	-	-	449	822	-	159	601
Stage 1	-	-	-	-	-	-	393	-
Stage 2	-	-	-	-	-	-	607	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	572	-	-	686	686	-	136	601
Mov Cap-2 Maneuver	-	-	-	-	-	-	136	-
Stage 1	-	-	-	-	-	-	373	-
Stage 2	-	-	-	-	-	-	546	-
Approach								
EB			WB			NB		
HCM Control Delay, s	0.4		1.1			58.7		
HCM LOS			F					
Minor Lane/Major Mvmt								
Capacity (veh/h)	225	572	-	-	686	-		
HCM Lane V/C Ratio	0.761	0.051	-	-	0.101	-		
HCM Control Delay (s)	58.7	11.6	-	-	10.8	-		
HCM Lane LOS	F		B			B		
HCM 95th %tile Q(veh)	5.3	0.2	-	-	0.3	-		

Intersection

Int Delay, s/veh 1.1

Movement	SEL	SET	SER	NWL	NWT	NWR	NEU	NEL	NET	NER	SWU	SWL	SWT	SWR
Lane Configurations														
Traffic Vol, veh/h	11	1	10	3	0	3	31	20	599	5	14	4	570	20
Future Vol, veh/h	11	1	10	3	0	3	31	20	599	5	14	4	570	20
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free							
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	-	None
Storage Length	-	-	-	-	-	-	-	0	-	-	-	0	-	680
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	-	0	-
Grade, %	-	0	-	-	0	-	-	-	0	-	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	12	1	11	3	0	3	34	22	729	5	15	4	694	22

Major/Minor	Minor2	Minor1			Major1			Major2		
Conflicting Flow All	1209	1578	347	1230	1598	367	694	716	0	0
Stage 1	732	732	-	844	844	-	-	-	-	-
Stage 2	477	846	-	386	754	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	6.44	4.14	-	6.44
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.52	2.22	-	2.52
Pot Cap-1 Maneuver	139	108	649	134	105	630	521	880	-	491
Stage 1	379	425	-	324	377	-	-	-	-	-
Stage 2	538	377	-	609	415	-	-	-	-	-
Platoon blocked, %									-	-
Mov Cap-1 Maneuver	125	95	649	118	92	630	613	613	-	541
Mov Cap-2 Maneuver	125	95	-	118	92	-	-	-	-	-
Stage 1	345	409	-	295	343	-	-	-	-	-
Stage 2	487	343	-	575	400	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	26.3	23.7			0.8			0.3		
HCM LOS	D	C								
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Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR	
Capacity (veh/h)	613	-	-	199	193	541	-	-		
HCM Lane V/C Ratio	0.09	-	-	0.033	0.124	0.036	-	-		
HCM Control Delay (s)	11.5	-	-	23.7	26.3	11.9	-	-		
HCM Lane LOS	B	-	-	C	D	B	-	-		
HCM 95th %tile Q(veh)	0.3	-	-	0.1	0.4	0.1	-	-		

Intersection

Int Delay, s/veh 2.4

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	18
Future Vol, veh/h	6	3	18	22	3	40	9	585	30	30	630	18
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	-	-	Yield
Storage Length	-	-	-	-	-	-	0	-	-	0	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	52	52	52	86	86	86	89	89	89	95	95	95
Heavy Vehicles, %	7	7	7	0	0	0	2	2	2	3	3	3
Mvmt Flow	12	6	35	29	3	52	10	736	38	35	743	19

Major/Minor	Minor2	Minor1				Major1			Major2			
Conflicting Flow All	1203	1607	372	1220	1588	387	743	0	0	774	0	0
Stage 1	813	813	-	775	775	-	-	-	-	-	-	-
Stage 2	390	794	-	445	813	-	-	-	-	-	-	-
Critical Hdwy	7.64	6.64	7.04	7.5	6.5	6.9	4.14	-	-	4.16	-	-
Critical Hdwy Stg 1	6.64	5.64	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.64	5.64	-	6.5	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.57	4.07	3.37	3.5	4	3.3	2.22	-	-	2.23	-	-
Pot Cap-1 Maneuver	134	99	611	138	109	617	860	-	-	831	-	-
Stage 1	328	378	-	361	411	-	-	-	-	-	-	-
Stage 2	592	386	-	567	395	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	115	94	611	119	103	617	860	-	-	831	-	-
Mov Cap-2 Maneuver	115	94	-	119	103	-	-	-	-	-	-	-
Stage 1	324	362	-	357	406	-	-	-	-	-	-	-
Stage 2	531	381	-	504	378	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	24.3	28.6			0.1			0.4		
HCM LOS	C	D								
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Minor Lane/Major Mvmt	NEL	NET	NER	NWL	n1 SEL	n1	SWL	SWT	SWR	
Capacity (veh/h)	860	-	-	235	238	831	-	-	-	
HCM Lane V/C Ratio	0.012	-	-	0.358	0.218	0.043	-	-	-	
HCM Control Delay (s)	9.2	-	-	28.6	24.3	9.5	-	-	-	
HCM Lane LOS	A	-	-	D	C	A	-	-	-	
HCM 95th %tile Q(veh)	0	-	-	1.5	0.8	0.1	-	-	-	

Intersection

Int Delay, s/veh 0.9

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	19	0	21	3	0	2	18	590	5	2	655	19
Future Vol, veh/h	19	0	21	3	0	2	18	590	5	2	655	19
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									
Storage Length	-	-	-	-	-	-	0	-	-	0	-	150
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	21	0	23	3	0	2	20	718	5	2	797	21

Major/Minor	Minor2	Minor1				Major1			Major2			
Conflicting Flow All	1200	1564	399	1164	1583	362	818	0	0	723	0	0
Stage 1	801	801	-	761	761	-	-	-	-	-	-	-
Stage 2	399	763	-	403	822	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	141	111	601	150	108	635	806	-	-	875	-	-
Stage 1	344	395	-	364	412	-	-	-	-	-	-	-
Stage 2	598	411	-	595	386	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	138	108	601	141	105	635	806	-	-	875	-	-
Mov Cap-2 Maneuver	138	108	-	141	105	-	-	-	-	-	-	-
Stage 1	335	394	-	355	402	-	-	-	-	-	-	-
Stage 2	581	401	-	571	385	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW		
HCM Control Delay, s	24.1	23			0.3			0		
HCM LOS	C	C								
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Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR	
Capacity (veh/h)	806	-	-	205	232	875	-	-	-	
HCM Lane V/C Ratio	0.024	-	-	0.027	0.187	0.002	-	-	-	
HCM Control Delay (s)	9.6	-	-	23	24.1	9.1	-	-	-	
HCM Lane LOS	A	-	-	C	C	A	-	-	-	
HCM 95th %tile Q(veh)	0.1	-	-	0.1	0.7	0	-	-	-	

Intersection												
Int Delay, s/veh	1.4											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	↖ ↗	↖ ↗		↖ ↗	↖ ↗		↖ ↗	↑↑	↖ ↗	↖ ↗	↑↑	↖ ↗
Traffic Vol, veh/h	8	2	8	24	5	22	5	596	12	14	656	6
Future Vol, veh/h	8	2	8	24	5	22	5	596	12	14	656	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	2	9	26	5	24	5	726	13	15	799	7
Major/Minor	Minor2	Minor1			Major1			Major2				
Conflicting Flow All	1205	1565	400	1167	1565	363	799	0	0	726	0	0
Stage 1	829	829	-	736	736	-	-	-	-	-	-	-
Stage 2	376	736	-	431	829	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	140	110	600	149	110	634	819	-	-	873	-	-
Stage 1	331	383	-	377	423	-	-	-	-	-	-	-
Stage 2	617	423	-	573	383	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	127	107	600	142	107	634	819	-	-	873	-	-
Mov Cap-2 Maneuver	127	107	-	142	107	-	-	-	-	-	-	-
Stage 1	329	376	-	375	420	-	-	-	-	-	-	-
Stage 2	582	420	-	552	376	-	-	-	-	-	-	-
Approach	SE		NW			NE			SW			
HCM Control Delay, s	25.7		27.4			0.1			0.2			
HCM LOS	D		D									
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR	
Capacity (veh/h)	819	-	-	134	634	122	600	873	-	-	-	-
HCM Lane V/C Ratio	0.007	-	-	0.235	0.038	0.089	0.014	0.017	-	-	-	-
HCM Control Delay (s)	9.4	-	-	39.9	10.9	37.4	11.1	9.2	-	-	-	-
HCM Lane LOS	A	-	-	E	B	E	B	A	-	-	-	-
HCM 95th %tile Q(veh)	0	-	-	0.9	0.1	0.3	0	0.1	-	-	-	-

Intersection							
Int Delay, s/veh	1.5						
Movement	SEL	SER	NEL	NET	SWU	SWT	SWR
Lane Configurations	W		R	↑↑	R	↑↑	
Traffic Vol, veh/h	13	20	15	772	7	1087	23
Future Vol, veh/h	13	20	15	772	7	1087	23
Conflicting Peds, #/hr	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	-	None
Storage Length	0	-	0	-	0	-	-
Veh in Median Storage, #	0	-	-	0	-	0	-
Grade, %	0	-	-	0	-	0	-
Peak Hour Factor	55	55	95	95	92	93	93
Heavy Vehicles, %	2	2	2	2	2	2	2
Mvmt Flow	24	36	16	910	8	1309	25
Major/Minor	Minor2		Major1	Major2			
Conflicting Flow All	1825	667	1334	0	910	-	0
Stage 1	1338	-	-	-	-	-	-
Stage 2	487	-	-	-	-	-	-
Critical Hdwy	6.84	6.94	4.14	-	6.44	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	2.22	-	2.52	-	-
Pot Cap-1 Maneuver	68	401	513	-	379	-	-
Stage 1	209	-	-	-	-	-	-
Stage 2	583	-	-	-	-	-	-
Platoon blocked, %			-	-	-	-	-
Mov Cap-1 Maneuver	65	401	513	-	379	-	-
Mov Cap-2 Maneuver	65	-	-	-	-	-	-
Stage 1	203	-	-	-	-	-	-
Stage 2	571	-	-	-	-	-	-
Approach	SE		NE	SW			
HCM Control Delay, s	53.2		0.2	0.1			
HCM LOS	F						
Minor Lane/Major Mvmt	NEL	NET	SELn1	SWU	SWT	SWR	
Capacity (veh/h)	513	-	132	379	-	-	
HCM Lane V/C Ratio	0.031	-	0.455	0.02	-	-	
HCM Control Delay (s)	12.2	-	53.2	14.7	-	-	
HCM Lane LOS	B	-	F	B	-	-	
HCM 95th %tile Q(veh)	0.1	-	2	0.1	-	-	

Intersection											
Int Delay, s/veh	5										
Movement	EBL	EBT	WBU	WBT	WBR	SBL	SBR				
Lane Configurations											
Traffic Vol, veh/h	59	728	0	1022	88	34	51				
Future Vol, veh/h	59	728	0	1022	88	34	51				
Conflicting Peds, #/hr	0	0	0	0	0	0	0				
Sign Control	Free	Free	Free	Free	Free	Stop	Stop				
RT Channelized	-	None	-	-	None	-	None				
Storage Length	0	-	0	-	200	0	-				
Veh in Median Storage, #	-	0	-	0	-	0	-				
Grade, %	-	0	-	0	-	0	-				
Peak Hour Factor	95	95	92	93	93	79	79				
Heavy Vehicles, %	2	2	2	2	2	2	2				
Mvmt Flow	62	858	0	1231	95	43	65				
Major/Minor											
Major1		Major2		Minor2							
Conflicting Flow All	1326	0	858	-	0	1784	616				
Stage 1	-	-	-	-	-	1231	-				
Stage 2	-	-	-	-	-	553	-				
Critical Hdwy	4.14	-	6.44	-	-	6.84	6.94				
Critical Hdwy Stg 1	-	-	-	-	-	5.84	-				
Critical Hdwy Stg 2	-	-	-	-	-	5.84	-				
Follow-up Hdwy	2.22	-	2.52	-	-	3.52	3.32				
Pot Cap-1 Maneuver	517	-	409	-	-	73	433				
Stage 1	-	-	-	-	-	239	-				
Stage 2	-	-	-	-	-	540	-				
Platoon blocked, %	-	-	-	-	-	-	-				
Mov Cap-1 Maneuver	517	-	409	-	-	64	433				
Mov Cap-2 Maneuver	-	-	-	-	-	64	-				
Stage 1	-	-	-	-	-	210	-				
Stage 2	-	-	-	-	-	540	-				
Approach											
EB		WB		SB							
HCM Control Delay, s	0.9		0		100.8						
HCM LOS	F										
Minor Lane/Major Mvmt											
EBL		EBT		WBU		WBT					
Capacity (veh/h)	517	-	409	-	-	-	131				
HCM Lane V/C Ratio	0.12	-	-	-	-	-	0.821				
HCM Control Delay (s)	12.9	-	0	-	-	-	100.8				
HCM Lane LOS	B	-	A	-	-	-	F				
HCM 95th %tile Q(veh)	0.4	-	0	-	-	-	5.1				

Intersection								
Int Delay, s/veh	31.5							
Movement	EBU	EBL	EBT	WBU	WBT	WBR	SBL	SBR
Lane Configurations								
Traffic Vol, veh/h	25	90	697	55	976	134	47	71
Future Vol, veh/h	25	90	697	55	976	134	47	71
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	-	0	-	0	-	220	0	-
Veh in Median Storage, #	-	-	0	-	0	-	0	-
Grade, %	-	-	0	-	0	-	0	-
Peak Hour Factor	92	95	95	92	93	93	84	84
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	27	95	822	60	1175	144	56	85
Major/Minor	Major1		Major2		Minor2			
Conflicting Flow All	1175	1319	0	822	-	0	1950	588
Stage 1	-	-	-	-	-	-	1295	-
Stage 2	-	-	-	-	-	-	655	-
Critical Hdwy	6.44	4.14	-	6.44	-	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	2.22	-	2.52	-	-	3.52	3.32
Pot Cap-1 Maneuver	256	520	-	432	-	-	56	452
Stage 1	-	-	-	-	-	-	221	-
Stage 2	-	-	-	-	-	-	479	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	396	396	-	432	-	-	~33	452
Mov Cap-2 Maneuver	-	-	-	-	-	-	~33	-
Stage 1	-	-	-	-	-	-	153	-
Stage 2	-	-	-	-	-	-	412	-
Approach	EB		WB		SB			
HCM Control Delay, s	2.3		0.6		\$ 530.6			
HCM LOS					F			
Minor Lane/Major Mvmt	EBL	EBT	WBU	WBT	WBR	SBLn1		
Capacity (veh/h)	396	-	432	-	-	75		
HCM Lane V/C Ratio	0.308	-	0.138	-	-	1.873		
HCM Control Delay (s)	18.1	-	14.7	-	-	\$ 530.6		
HCM Lane LOS	C	-	B	-	-	F		
HCM 95th %tile Q(veh)	1.3	-	0.5	-	-	12.4		
Notes								
~: Volume exceeds capacity	\$: Delay exceeds 300s		+: Computation Not Defined	*: All major volume in platoon				

Intersection								
Int Delay, s/veh	10.2							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	9	740	47	16	70	1040	50	33
Future Vol, veh/h	9	740	47	16	70	1040	50	33
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	95	95	92	93	93	74	74
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	10	872	49	17	75	1252	68	45
Major/Minor								
Major1		Major2			Minor1			
Conflicting Flow All	1252	0	0	922	921	0	1727	461
Stage 1	-	-	-	-	-	-	917	-
Stage 2	-	-	-	-	-	-	810	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	228	-	-	373	737	-	80	547
Stage 1	-	-	-	-	-	-	350	-
Stage 2	-	-	-	-	-	-	398	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	228	-	-	610	610	-	~65	547
Mov Cap-2 Maneuver	-	-	-	-	-	-	~65	-
Stage 1	-	-	-	-	-	-	335	-
Stage 2	-	-	-	-	-	-	338	-
Approach								
EB			WB			NB		
HCM Control Delay, s	0.2			0.8		205.9		
HCM LOS						F		
Minor Lane/Major Mvmt								
Capacity (veh/h)	100	228	-	-	610	-		
HCM Lane V/C Ratio	1.122	0.043	-	-	0.152	-		
HCM Control Delay (s)	205.9	21.5	-	-	12	-		
HCM Lane LOS	F	C	-	-	B	-		
HCM 95th %tile Q(veh)	7.3	0.1	-	-	0.5	-		
Notes								
~: Volume exceeds capacity		\$: Delay exceeds 300s	+:	Computation Not Defined			*: All major volume in platoon	

Intersection								
Int Delay, s/veh	69.1							
Movement	EBU	EBT	EBR	WBU	WBL	WBT	NBL	NBR
Lane Configurations								
Traffic Vol, veh/h	41	685	102	17	153	957	91	61
Future Vol, veh/h	41	685	102	17	153	957	91	61
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	None
Storage Length	0	-	-	-	0	-	0	-
Veh in Median Storage, #	-	0	-	-	-	0	0	-
Grade, %	-	0	-	-	-	0	0	-
Peak Hour Factor	92	95	95	92	93	93	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2
Mvmt Flow	45	808	107	18	165	1153	101	68
Major/Minor								
Major1		Major2			Minor1			
Conflicting Flow All	1153	0	0	915	915	0	1895	458
Stage 1	-	-	-	-	-	-	952	-
Stage 2	-	-	-	-	-	-	943	-
Critical Hdwy	6.44	-	-	6.44	4.14	-	6.84	6.94
Critical Hdwy Stg 1	-	-	-	-	-	-	5.84	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.84	-
Follow-up Hdwy	2.52	-	-	2.52	2.22	-	3.52	3.32
Pot Cap-1 Maneuver	265	-	-	376	741	-	~61	550
Stage 1	-	-	-	-	-	-	335	-
Stage 2	-	-	-	-	-	-	339	-
Platoon blocked, %	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	265	-	-	660	660	-	~37	550
Mov Cap-2 Maneuver	-	-	-	-	-	-	~37	-
Stage 1	-	-	-	-	-	-	278	-
Stage 2	-	-	-	-	-	-	245	-
Approach								
EB			WB			NB		
HCM Control Delay, s	1			1.7		\$ 989.3		
HCM LOS						F		
Minor Lane/Major Mvmt								
Capacity (veh/h)	59	265	-	-	660	-		
HCM Lane V/C Ratio	2.863	0.168	-	-	0.277	-		
HCM Control Delay (s)	\$ 989.3	21.3	-	-	12.5	-		
HCM Lane LOS	F	C	-	-	B	-		
HCM 95th %tile Q(veh)	17.4	0.6	-	-	1.1	-		
Notes								
~: Volume exceeds capacity		\$: Delay exceeds 300s		+: Computation Not Defined		*: All major volume in platoon		

Intersection																	
Int Delay, s/veh		4.6															
Movement	SEL	SET	SER	NWL	NWT	NWR	NEU	NEL	NET	NER	SWU	SWL	SWT	SWR			
Lane Configurations	↔			↔			↔	↑↓	↑↓		↔	↑↓	↑↓	↑			
Traffic Vol, veh/h	13	2	19	6	1	4	52	25	756	6	20	8	1065	37			
Future Vol, veh/h	13	2	19	6	1	4	52	25	756	6	20	8	1065	37			
Conflicting Peds, #/hr	0	0	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	Free	Free			
RT Channelized	-	-	None	-	-	None	-	-	-	None	-	-	-	None			
Storage Length	-	-	-	-	-	-	-	0	-	-	-	0	-	680			
Veh in Median Storage, #	-	0	-	-	0	-	-	-	0	-	-	-	0	-			
Grade, %	-	0	-	-	0	-	-	-	0	-	-	-	0	-			
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92	92	92			
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Mvmt Flow	14	2	21	7	1	4	57	27	920	7	22	9	1297	40			
Major/Minor		Minor2		Minor1		Major1			Major2								
Conflicting Flow All	1988	2454	649	1804	2491	464	1297	1337	0	0	927	927	0	0			
Stage 1	1359	1359	-	1092	1092	-	-	-	-	-	-	-	-	-			
Stage 2	629	1095	-	712	1399	-	-	-	-	-	-	-	-	-			
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	6.44	4.14	-	-	6.44	4.14	-	-			
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-			
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-	-	-			
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.52	2.22	-	-	2.52	2.22	-	-			
Pot Cap-1 Maneuver	36	30	412	50	29	545	214	512	-	-	370	733	-	-			
Stage 1	157	215	-	229	289	-	-	-	-	-	-	-	-	-			
Stage 2	437	288	-	389	206	-	-	-	-	-	-	-	-	-			
Platoon blocked, %																	
Mov Cap-1 Maneuver	24	19	412	31	18	545	254	254	-	-	428	428	-	-			
Mov Cap-2 Maneuver	24	19	-	31	18	-	-	-	-	-	-	-	-	-			
Stage 1	105	200	-	153	193	-	-	-	-	-	-	-	-	-			
Stage 2	288	193	-	340	192	-	-	-	-	-	-	-	-	-			
Approach		SE		NW		NE			SW								
HCM Control Delay, s	190.5		118.3		2.2			0.3									
HCM LOS	F		F														
Minor Lane/Major Mvmt		NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR							
Capacity (veh/h)	254		-	-	43	49	428	-	-								
HCM Lane V/C Ratio	0.33		-	-	0.278	0.754	0.071	-	-								
HCM Control Delay (s)	26		-	-	118.3	190.5	14.1	-	-								
HCM Lane LOS	D		-	-	F	F	B	-	-								
HCM 95th %tile Q(veh)	1.4		-	-	0.9	3	0.2	-	-								

Intersection

Int Delay, s/veh 3.9

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	2	0	7	30	1	39	3	625	36	34	1041	3
Future Vol, veh/h	2	0	7	30	1	39	3	625	36	34	1041	3
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	-	-	Yield
Storage Length	-	-	-	-	-	-	0	-	-	0	-	450
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	63	63	63	72	72	72	92	92	92	93	93	93
Heavy Vehicles, %	11	11	11	0	0	0	1	1	1	1	1	1
Mvmt Flow	3	0	11	47	1	61	3	761	44	41	1254	3

Major/Minor	Minor2	Minor1				Major1			Major2			
Conflicting Flow All	1723	2147	627	1498	2125	403	1254	0	0	805	0	0
Stage 1	1336	1336	-	789	789	-	-	-	-	-	-	-
Stage 2	387	811	-	709	1336	-	-	-	-	-	-	-
Critical Hdwy	7.72	6.72	7.12	7.5	6.5	6.9	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.72	5.72	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.72	5.72	-	6.5	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.61	4.11	3.41	3.5	4	3.3	2.21	-	-	2.21	-	-
Pot Cap-1 Maneuver	52	43	405	86	51	603	556	-	-	822	-	-
Stage 1	149	204	-	354	405	-	-	-	-	-	-	-
Stage 2	584	370	-	396	224	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	44	41	405	80	48	603	556	-	-	822	-	-
Mov Cap-2 Maneuver	44	41	-	80	48	-	-	-	-	-	-	-
Stage 1	148	194	-	352	403	-	-	-	-	-	-	-
Stage 2	521	368	-	366	213	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW			
HCM Control Delay, s	33	71.9			0			0.3			
HCM LOS	D	F									
<hr/>											
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	Ln1 SEL	Ln1	SWL	SWT	SWR		
Capacity (veh/h)	556	-	-	153	143	822	-	-	-		
HCM Lane V/C Ratio	0.006	-	-	0.711	0.1	0.05	-	-	-		
HCM Control Delay (s)	11.5	-	-	71.9	33	9.6	-	-	-		
HCM Lane LOS	B	-	-	F	D	A	-	-	-		
HCM 95th %tile Q(veh)	0	-	-	4.2	0.3	0.2	-	-	-		

Intersection

Int Delay, s/veh 1.5

Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Vol, veh/h	23	0	31	5	0	4	49	599	7	9	685	66
Future Vol, veh/h	23	0	31	5	0	4	49	599	7	9	685	66
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									
Storage Length	-	-	-	-	-	-	0	-	-	0	-	150
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	0	0	0	2	2	2	2	2	2
Mvmt Flow	25	0	34	5	0	4	53	729	8	10	834	72

Major/Minor	Minor2	Minor1				Major1			Major2			
Conflicting Flow All	1325	1697	417	1276	1765	369	906	0	0	737	0	0
Stage 1	854	854	-	839	839	-	-	-	-	-	-	-
Stage 2	471	843	-	437	926	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.5	6.5	6.9	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.5	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.5	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.5	4	3.3	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	114	92	585	126	85	634	747	-	-	865	-	-
Stage 1	320	373	-	331	384	-	-	-	-	-	-	-
Stage 2	542	378	-	574	350	-	-	-	-	-	-	-
Platoon blocked, %							-	-	-	-	-	-
Mov Cap-1 Maneuver	106	84	585	111	78	634	747	-	-	865	-	-
Mov Cap-2 Maneuver	106	84	-	111	78	-	-	-	-	-	-	-
Stage 1	297	369	-	307	357	-	-	-	-	-	-	-
Stage 2	500	351	-	535	346	-	-	-	-	-	-	-

Approach	SE	NW			NE			SW			
HCM Control Delay, s	30.3	26.8			0.7			0.1			
HCM LOS	D	D									
<hr/>											
Minor Lane/Major Mvmt	NEL	NET	NER	NWL	NLn1	SELn1	SWL	SWT	SWR		
Capacity (veh/h)	747	-	-	175	200	865	-	-	-		
HCM Lane V/C Ratio	0.071	-	-	0.056	0.293	0.011	-	-	-		
HCM Control Delay (s)	10.2	-	-	26.8	30.3	9.2	-	-	-		
HCM Lane LOS	B	-	-	D	D	A	-	-	-		
HCM 95th %tile Q(veh)	0.2	-	-	0.2	1.2	0	-	-	-		

Intersection												
Int Delay, s/veh	2											
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations	4	4	2	32	6	24	6	635	14	18	735	8
Traffic Vol, veh/h	8	2	11	32	6	24	6	635	14	18	735	8
Future Vol, veh/h	8	2	11	32	6	24	6	635	14	18	735	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	-	-	Yield	-	-	Yield	-	-	Yield	-	-	Yield
Storage Length	-	-	0	-	-	0	105	-	170	125	-	220
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	9	2	12	35	7	26	7	773	15	20	895	9
Major/Minor		Minor2		Minor1		Major1		Major2				
Conflicting Flow All	1339	1722	448	1276	1722	387	895	0	0	773	0	0
Stage 1	935	935	-	787	787	-	-	-	-	-	-	-
Stage 2	404	787	-	489	935	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	111	88	558	124	88	611	754	-	-	838	-	-
Stage 1	285	342	-	351	401	-	-	-	-	-	-	-
Stage 2	594	401	-	529	342	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	98	85	558	116	85	611	754	-	-	838	-	-
Mov Cap-2 Maneuver	98	85	-	116	85	-	-	-	-	-	-	-
Stage 1	282	334	-	348	397	-	-	-	-	-	-	-
Stage 2	554	397	-	502	334	-	-	-	-	-	-	-
Approach		SE		NW		NE		SW				
HCM Control Delay, s	28.8		38.8		0.1		0.2					
HCM LOS	D		E									
Minor Lane/Major Mvmt		NEL	NET	NER	NWL	NLn1	NWLn2	SELn1	SELn2	SWL	SWT	SWR
Capacity (veh/h)	754		-	-	110	611	95	558	838	-	-	-
HCM Lane V/C Ratio	0.009		-	-	0.375	0.043	0.117	0.022	0.023	-	-	-
HCM Control Delay (s)	9.8		-	-	56.2	11.2	47.8	11.6	9.4	-	-	-
HCM Lane LOS	A		-	-	F	B	E	B	A	-	-	-
HCM 95th %tile Q(veh)	0		-	-	1.5	0.1	0.4	0.1	0.1	-	-	-

