

## **APPENDIX M**

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Interim Year (2029) I-75 Ramp Terminal Intersection HCS Analysis  
Summary Sheets



## TWO-WAY STOP CONTROL SUMMARY

General Information				Site Information			
Analyst	AJC			Intersection	WB OFF @ SR 29		
Agency/Co.	AIM ENGR			Jurisdiction			
Date Performed	3/21/2012			Analysis Year	2029 NO-BUILD		
Analysis Time Period	AM						
Project Description							
East/West Street: I-75 WB OFF Ramp				North/South Street: SR 29			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
Vehicle Volumes and Adjustments							
Major Street	Northbound			Southbound			
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)	332 ✓	245 ✓			354 ✓		
Peak-Hour Factor, PHF	0.95	0.95	1.00	1.00	0.95	1.00	
Hourly Flow Rate, HFR (veh/h)	349	257	0	0	372	0	
Percent Heavy Vehicles	22	--	--	0	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	1	1	0	0	1	0	
Configuration	L	T			T		
Upstream Signal		0			0		
Minor Street	Eastbound			Westbound			
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)				37 ✓			
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.95	1.00	1.00	
Hourly Flow Rate, HFR (veh/h)	0	0	0	38	0	0	
Percent Heavy Vehicles	0	0	0	6	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	0	0	0	1	0	0	
Configuration				L			
Delay, Queue Length, and Level of Service							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration	L		L				
v (veh/h)	349		38				
C (m) (veh/h)	1085		114				
v/c	0.32		0.33				
95% queue length	1.40		1.32				
Control Delay (s/veh)	9.9		51.6				
LOS	A		F				
Approach Delay (s/veh)	--	--	51.6				
Approach LOS	--	--	F				

## TWO-WAY STOP CONTROL SUMMARY

General Information				Site Information			
Analyst	AJC			Intersection	I-75 EB OFF@ SR 29		
Agency/Co.	AIM ENGR			Jurisdiction			
Date Performed	2/21/2012			Analysis Year	2029 NO-BUILD		
Analysis Time Period	AM						
Project Description							
East/West Street: I-75 Ramps				North/South Street: SR 29			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
Vehicle Volumes and Adjustments							
Major Street	Northbound			Southbound			
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)		407 ✓		258 ✓	133 ✓		
Peak-Hour Factor, PHF	0.95	0.95	1.00	0.95	0.95	1.00	
Hourly Flow Rate, HFR (veh/h)	0	428	0	271	140	0	
Percent Heavy Vehicles	6	--	--	22	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	0	1	0	1	1	0	
Configuration		T		L	T		
Upstream Signal		0			0		
Minor Street	Eastbound			Westbound			
Movement	7	8	9	10	11	12	
	L ✓	T	R	L	T	R	
Volume (veh/h)	170 ✓						
Peak-Hour Factor, PHF	0.95	1.00	1.00	0.95	1.00	1.00	
Hourly Flow Rate, HFR (veh/h)	178	0	0	0	0	0	
Percent Heavy Vehicles	6	0	0	6	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	1	0	0	0	0	0	
Configuration	L						
Delay, Queue Length, and Level of Service							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration		L				L	
v (veh/h)		271				178	
C (m) (veh/h)		1032				167	
v/c		0.26				1.07	
95% queue length		1.06				8.89	
Control Delay (s/veh)		9.7				144.1	
LOS		A				F	
Approach Delay (s/veh)	--	--				144.1	
Approach LOS	--	--				F	

SHORT REPORT												
General Information						Site Information						
Analyst <i>AJC</i> Agency or Co. <i>AIM Engineering</i> Date Performed <i>03/06/2012</i> Time Period <i>AM</i>						Intersection <i>I-75 WB Off Ramp &amp; SR 951</i> Area Type <i>All other areas</i> Jurisdiction Analysis Year <i>2029 No Build</i>						
Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes				2		2		4			4	1
Lane Group				L		R		T			T	R
Volume (vph)				155		77		2799			2213	715
% Heavy Vehicles				6		6		4			4	4
PHF				0.95		0.95		0.95			0.95	0.95
Pretimed/Actuated (P/A)				A		A		A			A	A
Startup Lost Time				2.0		2.0		2.0			2.0	2.0
Extension of Effective Green				2.0		2.0		2.0			2.0	2.0
Arrival Type				3		3		4			4	4
Unit Extension				3.0		3.0		3.0			3.0	3.0
Ped/Bike/RTOR Volume				0	0	0	0	0		0	0	715
Lane Width				12.0		12.0		12.0			12.0	12.0
Parking/Grade/Parking				N	0	N	N	0	N	N	0	N
Parking/Hour												
Bus Stops/Hour				0		0		0			0	0
Minimum Pedestrian Time					3.2			3.2			3.2	
Phasing	WB Only	02	03	04	Thru & RT	06	07	08				
Timing	G = 18.0	G =	G =	G =	G = 47.0	G =	G =	G =				
	Y = 5	Y =	Y =	Y =	Y = 5	Y =	Y =	Y =				
Duration of Analysis (hrs) = 0.25						Cycle Length C = 75.0						
Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate				163		81		2946			2329	0
Lane Group Capacity				794		647		4158			4158	973
v/c Ratio				0.21		0.13		0.71			0.56	0.00
Green Ratio				0.24		0.24		0.63			0.63	0.63
Uniform Delay $d_1$				22.8		22.3		9.4			8.1	5.2
Delay Factor k				0.11		0.11		0.27			0.16	0.11
Incremental Delay $d_2$				0.1		0.1		0.1			0.0	0.0
PF Factor				1.000		1.000		0.507			0.507	1.000
Control Delay				22.9		22.4		4.8			4.1	5.2
Lane Group LOS				C		C		A			A	A
Approach Delay				22.7			4.8			4.1		
Approach LOS				C			A			A		
Intersection Delay	5.3			Intersection LOS						A		

SHORT REPORT												
General Information						Site Information						
Analyst AJC Agency or Co. AIM Engineering Date Performed 03/20/2012 Time Period AM						Intersection I-75 EB/SB OFF & SR 951 Area Type All other areas Jurisdiction Analysis Year 2029 No Build						
Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes	2		3					4	1	2	4	
Lane Group	L		R					T	R	L	T	
Volume (vph)	562		1349					3954	122	60	2308	
% Heavy Vehicles	6		6					4	4	4	4	
PHF	0.95		0.95					0.95	0.95	0.95	0.95	
Pretimed/Actuated (P/A)	A		A					A	A	A	A	
Startup Lost Time	2.0		2.0					2.0	2.0	2.0	2.0	
Extension of Effective Green	2.0		2.0					2.0	2.0	2.0	2.0	
Arrival Type	4		4					4	4	4	4	
Unit Extension	3.0		3.0					3.0	3.0	3.0	3.0	
Ped/Bike/RTOR Volume	0	0	0				0	0	40	0	0	
Lane Width	12.0		12.0					12.0	12.0	12.0	12.0	
Parking/Grade/Parking	N	0	N				N	0	N	N	0	N
Parking/Hour												
Bus Stops/Hour	0		0					0	0	0	0	
Minimum Pedestrian Time		3.2						3.2			3.2	
Phasing	EB Only	02	03	04	NB Only	Thru & RT	SB Only	08				
Timing	G = 29.0	G =	G =	G =	G = 19.0	G = 71.0	G = 13.0	G =				
	Y = 5	Y =	Y =	Y =	Y = 4	Y = 4	Y = 5	Y =				
Duration of Analysis (hrs) = 0.25						Cycle Length C = 150.0						
Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate	592		1420					4162	86	63	2429	
Lane Group Capacity	639		1639					4158	1325	292	3893	
v/c Ratio	0.93		0.87					1.00	0.06	0.22	0.62	
Green Ratio	0.19		0.35					0.63	0.85	0.09	0.59	
Uniform Delay d <sub>1</sub>	59.5		45.2					28.0	1.7	63.8	20.2	
Delay Factor k	0.44		0.40					0.50	0.11	0.11	0.21	
Incremental Delay d <sub>2</sub>	19.7		5.2					4.4	0.0	0.3	0.3	
PF Factor	1.000		0.941					0.507	0.392	1.000	0.606	
Control Delay	79.1		47.7					18.6	0.7	64.1	12.5	
Lane Group LOS	E		D					B	A	E	B	
Approach Delay	57.0						18.2			13.8		
Approach LOS	E						B			B		
Intersection Delay	25.9			Intersection LOS						C		

SHORT REPORT												
General Information						Site Information						
Analyst AL Agency or Co. AIM Engineering Date Performed 4/12/2012 Time Period AM						Intersection GGP & I-75 NB OFF Area Type All other areas Jurisdiction Analysis Year 2029 NO-BUILD						
Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes		3			3		2		1			
Lane Group		T			T		L		R			
Volume (vph)		1692			1435		475		12			
% Heavy Vehicles		4			4		6		6			
PHF		0.95			0.95		0.95		0.95			
Pretimed/Actuated (P/A)		A			A		A		A			
Startup Lost Time		2.0			2.0		2.0		2.0			
Extension of Effective Green		2.0			2.0		2.0		2.0			
Arrival Type		4			4		3		3			
Unit Extension		3.0			3.0		3.0		3.0			
Ped/Bike/RTOR Volume	0	0		0	0		0	0	0			
Lane Width		12.0			12.0		12.0		12.0			
Parking/Grade/Parking	N	0	N	N	0	N	N	0	N			
Parking/Hour												
Bus Stops/Hour		0			0		0		0			
Minimum Pedestrian Time		3.2			3.2			3.2				
Phasing	Thru Only	02	03	04	NB Only	06	07	08				
Timing	G = 71.0	G =	G =	G =	G = 39.0	G =	G =	G =				
	Y = 5	Y =	Y =	Y =	Y = 5	Y =	Y =	Y =				
Duration of Analysis (hrs) = 0.25						Cycle Length C = 120.0						
Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate		1781			1511		500		13			
Lane Group Capacity		2945			2945		1075		495			
v/c Ratio		0.60			0.51		0.47		0.03			
Green Ratio		0.59			0.59		0.32		0.32			
Uniform Delay d <sub>1</sub>		15.6			14.4		32.2		27.6			
Delay Factor k		0.19			0.12		0.11		0.11			
Incremental Delay d <sub>2</sub>		0.4			0.2		0.3		0.0			
PF Factor		0.595			0.595		1.000		1.000			
Control Delay		9.6			8.7		32.5		27.6			
Lane Group LOS		A			A		C		C			
Approach Delay		9.6			8.7		32.4					
Approach LOS		A			A		C					
Intersection Delay		12.3			Intersection LOS						B	

SHORT REPORT													
General Information						Site Information							
Analyst GSR Agency or Co. AIM Engineering Date Performed 4/22/2012 Time Period AM						Intersection GGP & I-75 SB OFF Area Type All other areas Jurisdiction Analysis Year 2029 NO-BUILD							
Volume and Timing Input													
	EB			WB			NB			SB			
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT	
Number of Lanes		4	1	1	3					2		2	
Lane Group		T	R	L	T					L		R	
Volume (vph)		1544	373	9	1901					768		1381	
% Heavy Vehicles		4	4	4	4					6		6	
PHF		0.95	0.95	0.95	0.95					0.95		0.95	
Pretimed/Actuated (P/A)		A	A	A	A					A		A	
Startup Lost Time		2.0	2.0	2.0	2.0					2.0		2.0	
Extension of Effective Green		2.0	2.0	2.0	2.0					2.0		2.0	
Arrival Type		4	3	3	4					3		3	
Unit Extension		3.0	3.0	3.0	3.0					3.0		3.0	
Ped/Bike/RTOR Volume	0	0	373	0	0					0	0	60	
Lane Width		12.0	12.0	12.0	12.0					12.0		12.0	
Parking/Grade/Parking	N	0	N	N	0	N				N	0	N	
Parking/Hour													
Bus Stops/Hour		0	0	0	0					0		0	
Minimum Pedestrian Time		3.2			3.2						3.2		
Phasing	WB Only	Thru & RT	03	04	SB Only	06	07	08					
Timing	G = 8.0	G = 36.0	G =	G =	G = 62.0	G =	G =	G =					
	Y = 4	Y = 5	Y =	Y =	Y = 5	Y =	Y =	Y =					
Duration of Analysis (hrs) = 0.25						Cycle Length C = 120.0							
Lane Group Capacity, Control Delay, and LOS Determination													
	EB			WB			NB			SB			
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT	
Adjusted Flow Rate		1625	0	9	2001					808		1391	
Lane Group Capacity		1991	466	116	1991					1709		1393	
v/c Ratio		0.82	0.00	0.08	1.01					0.47		1.00	
Green Ratio		0.30	0.30	0.07	0.40					0.52		0.52	
Uniform Delay d <sub>1</sub>		38.9	29.4	52.5	36.0					18.5		29.0	
Delay Factor k		0.36	0.11	0.11	0.50					0.11		0.50	
Incremental Delay d <sub>2</sub>		2.8	0.0	0.3	21.4					0.2		23.7	
PF Factor		0.986	1.000	1.000	0.894					1.000		1.000	
Control Delay		41.1	29.4	52.8	53.6					18.8		52.7	
Lane Group LOS		D	C	D	D					B		D	
Approach Delay		41.1			53.6						40.2		
Approach LOS		D			D						D		
Intersection Delay		45.1			Intersection LOS						D		

## TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information					
Analyst	AJC	Intersection	I-75 WB OFF @ SR 29				
Agency/Co.	AIM ENGR	Jurisdiction					
Date Performed	2/21/2012	Analysis Year	2029 NO-BUILD				
Analysis Time Period	PM						
Project Description							
East/West Street: I-75 WB OFF Ramp				North/South Street: SR 29			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
Vehicle Volumes and Adjustments							
Major Street	Northbound			Southbound			
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)	261	312			403		
Peak-Hour Factor, PHF	0.95	0.95	1.00	1.00	0.95	1.00	
Hourly Flow Rate, HFR (veh/h)	274	328	0	0	424	0	
Percent Heavy Vehicles	22	--	--	0	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	1	1	0	0	1	0	
Configuration	L	T			T		
Upstream Signal		0			0		
Minor Street	Eastbound			Westbound			
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)				29			
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.95	1.00	1.00	
Hourly Flow Rate, HFR (veh/h)	0	0	0	30	0	0	
Percent Heavy Vehicles	0	0	0	6	0	0	
Percent Grade (%)	0			0			
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	0	0	0	1	0	0	
Configuration				L			
Delay, Queue Length, and Level of Service							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration	L		L				
v (veh/h)	274		30				
C (m) (veh/h)	1036		128				
v/c	0.26		0.23				
95% queue length	1.07		0.86				
Control Delay (s/veh)	9.7		41.5				
LOS	A		E				
Approach Delay (s/veh)	--	--	41.5				
Approach LOS	--	--	E				

## TWO-WAY STOP CONTROL SUMMARY

General Information		Site Information					
Analyst	AJC	Intersection	I-75 EB OFF@ SR 29				
Agency/Co.	AIM ENGR	Jurisdiction					
Date Performed	2/21/2012	Analysis Year	2029 NO-BUILD				
Analysis Time Period	PM						
Project Description							
East/West Street: I-75 Ramps				North/South Street: SR 29			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
Vehicle Volumes and Adjustments							
Major Street	Northbound			Southbound			
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)		357		328	104		
Peak-Hour Factor, PHF	0.95	0.95	1.00	0.95	0.95	1.00	
Hourly Flow Rate, HFR (veh/h)	0	375	0	345	109	0	
Percent Heavy Vehicles	6	--	--	22	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	0	1	0	1	1	0	
Configuration		T		L	T		
Upstream Signal		0			0		
Minor Street	Eastbound			Westbound			
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)	216						
Peak-Hour Factor, PHF	0.95	1.00	1.00	0.95	1.00	1.00	
Hourly Flow Rate, HFR (veh/h)	227	0	0	0	0	0	
Percent Heavy Vehicles	6	0	0	6	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	1	0	0	0	0	0	
Configuration	L						
Delay, Queue Length, and Level of Service							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration		L				L	
v (veh/h)		345				227	
C (m) (veh/h)		1082				142	
v/c		0.32				1.60	
95% queue length		1.38				15.96	
Control Delay (s/veh)		9.9				355.8	
LOS		A				F	
Approach Delay (s/veh)	--	--				355.8	
Approach LOS	--	--				F	

SHORT REPORT												
General Information						Site Information						
Analyst AJC Agency or Co. AIM Engineering Date Performed 03/20/2012 Time Period PM						Intersection I-75 WB Off Ramp & CR 951 Area Type All other areas Jurisdiction Analysis Year 2029 No Build						
Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes				2		2		4			4	1
Lane Group				L		R		T			T	R
Volume (vph)				122		60		2868			2314	562
% Heavy Vehicles				6		6		3			3	3
PHF				0.95		0.95		0.95			0.95	0.95
Pretimed/Actuated (P/A)				A		A		A			A	A
Startup Lost Time				2.0		2.0		2.0			2.0	2.0
Extension of Effective Green				2.0		2.0		2.0			2.0	2.0
Arrival Type				4		4		4			4	4
Unit Extension				3.0		3.0		3.0			3.0	3.0
Ped/Bike/RTOR Volume				0	0	0	0	0		0	0	562
Lane Width				12.0		12.0		12.0			12.0	12.0
Parking/Grade/Parking				N	0	N	N	0	N	N	0	N
Parking/Hour												
Bus Stops/Hour				0		0		0			0	0
Minimum Pedestrian Time					3.2			3.2			3.2	
Phasing	WB Only	02	03	04	Thru & RT	06	07	08				
Timing	G = 25.0	G =	G =	G =	G = 52.5	G =	G =	G =				
	Y = 5	Y =	Y =	Y =	Y = 5	Y =	Y =	Y =				
Duration of Analysis (hrs) = 0.25						Cycle Length C = 87.5						
Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate				128		63		3019			2436	0
Lane Group Capacity				945		771		4020			4020	941
v/c Ratio				0.14		0.08		0.75			0.61	0.00
Green Ratio				0.29		0.29		0.60			0.60	0.60
Uniform Delay d <sub>1</sub>				23.2		22.9		12.7			11.0	7.0
Delay Factor k				0.11		0.11		0.31			0.19	0.11
Incremental Delay d <sub>2</sub>				0.1		0.0		0.8			0.3	0.0
PF Factor				0.997		0.997		0.575			0.575	1.000
Control Delay				23.2		22.8		8.1			6.6	7.0
Lane Group LOS				C		C		A			A	A
Approach Delay				23.1			8.1			6.6		
Approach LOS				C			A			A		
Intersection Delay	8.0			Intersection LOS						A		

SHORT REPORT												
General Information						Site Information						
Analyst	AJC					Intersection	I-75 EB OFF & CR 951					
Agency or Co.	AIM Engineering					Area Type	All other areas					
Date Performed	03/20/2012					Jurisdiction						
Time Period	PM					Analysis Year	2029 No Build					
Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes	2		3					4	1	2	4	
Lane Group	L		R					T	R	L	T	
Volume (vph)	715		1717					3502	155	77	2359	
% Heavy Vehicles	6		6					3	3	3	3	
PHF	0.95		0.95					0.95	0.95	0.95	0.95	
Pretimed/Actuated (P/A)	A		A					A	A	A	A	
Startup Lost Time	2.0		2.0					2.0	2.0	2.0	2.0	
Extension of Effective Green	2.0		2.0					2.0	2.0	2.0	2.0	
Arrival Type	4		4					4	4	4	4	
Unit Extension	3.0		3.0					3.0	3.0	3.0	3.0	
Ped/Bike/RTOR Volume	0	0	0				0	0	21	0	0	
Lane Width	12.0		12.0					12.0	12.0	12.0	12.0	
Parking/Grade/Parking	N	0	N				N	0	N	N	0	N
Parking/Hour												
Bus Stops/Hour	0		0					0	0	0	0	
Minimum Pedestrian Time		3.2						3.2			3.2	
Phasing	EB Only	02	03	04	NB Only	Thru & RT	SB Only	08				
Timing	G = 46.0	G =	G =	G =	G = 22.0	G = 72.0	G = 17.0	G =				
	Y = 5	Y =	Y =	Y =	Y = 4	Y = 4	Y = 5	Y =				
Duration of Analysis (hrs) = 0.25						Cycle Length C = 175.0						
Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate	753		1807					3686	141	81	2483	
Lane Group Capacity	869		1935					3752	1335	331	3561	
v/c Ratio	0.87		0.93					0.98	0.11	0.24	0.70	
Green Ratio	0.26		0.42					0.56	0.85	0.10	0.53	
Uniform Delay d <sub>1</sub>	61.6		48.7					37.7	2.1	73.1	30.5	
Delay Factor k	0.40		0.45					0.49	0.11	0.11	0.26	
Incremental Delay d <sub>2</sub>	9.2		9.0					10.9	0.0	0.4	0.6	
PF Factor	1.000		0.876					0.662	0.387	1.000	0.715	
Control Delay	70.8		51.7					35.9	0.9	73.4	22.4	
Lane Group LOS	E		D					D	A	E	C	
Approach Delay	57.3						34.6			24.1		
Approach LOS	E						C			C		
Intersection Delay	38.1			Intersection LOS						D		

SHORT REPORT												
General Information						Site Information						
Analyst AL Agency or Co. AIM Engineering Date Performed 4/12/2012 Time Period PM						Intersection GGP & I-75 NB OFF Area Type All other areas Jurisdiction Analysis Year 2029 NO-BUILD						
Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes		3			3		2		1			
Lane Group		T			T		L		R			
Volume (vph)		2402			936		373		9			
% Heavy Vehicles		4			4		6		6			
PHF		0.95			0.95		0.95		0.95			
Pretimed/Actuated (P/A)		A			A		A		A			
Startup Lost Time		2.0			2.0		2.0		2.0			
Extension of Effective Green		2.0			2.0		2.0		2.0			
Arrival Type		4			4		3		3			
Unit Extension		3.0			3.0		3.0		3.0			
Ped/Bike/RTOR Volume	0	0		0	0		0	0	0			
Lane Width		12.0			12.0		12.0		12.0			
Parking/Grade/Parking	N	0	N	N	0	N	N	0	N			
Parking/Hour												
Bus Stops/Hour		0			0		0		0			
Minimum Pedestrian Time		3.2			3.2			3.2				
Phasing	Thru Only	02	03	04	NB Only	06	07	08				
Timing	G = 71.0	G =	G =	G =	G = 39.0	G =	G =	G =				
	Y = 5	Y =	Y =	Y =	Y = 5	Y =	Y =	Y =				
Duration of Analysis (hrs) = 0.25							Cycle Length C = 120.0					
Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate		2528			985		393		9			
Lane Group Capacity		2945			2945		1075		495			
v/c Ratio		0.86			0.33		0.37		0.02			
Green Ratio		0.59			0.59		0.32		0.32			
Uniform Delay d <sub>1</sub>		20.3			12.5		31.0		27.5			
Delay Factor k		0.39			0.11		0.11		0.11			
Incremental Delay d <sub>2</sub>		2.8			0.1		0.2		0.0			
PF Factor		0.595			0.595		1.000		1.000			
Control Delay		14.9			7.5		31.2		27.5			
Lane Group LOS		B			A		C		C			
Approach Delay		14.9			7.5		31.2					
Approach LOS		B			A		C					
Intersection Delay		14.7		Intersection LOS							B	

SHORT REPORT													
General Information						Site Information							
Analyst	GSR					Intersection	GGP & I-75 SB OFF						
Agency or Co.	AIM Engineering					Area Type	All other areas						
Date Performed	4/22/2012					Jurisdiction							
Time Period	PM					Analysis Year	2029 NO-BUILD						
Volume and Timing Input													
	EB			WB			NB			SB			
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT	
Number of Lanes		4	1	1	3					2		2	
Lane Group		T	R	L	T					L		R	
Volume (vph)		2807	475	12	1297					976		620	
% Heavy Vehicles		4	4	4	4					6		6	
PHF		0.95	0.95	0.95	0.95					0.95		0.95	
Pretimed/Actuated (P/A)		A	A	A	A					A		A	
Startup Lost Time		2.0	2.0	2.0	2.0					2.0		2.0	
Extension of Effective Green		2.0	2.0	2.0	2.0					2.0		2.0	
Arrival Type		4	3	3	4					3		3	
Unit Extension		3.0	3.0	3.0	3.0					3.0		3.0	
Ped/Bike/RTOR Volume	0	0	475	0	0					0	0	60	
Lane Width		12.0	12.0	12.0	12.0					12.0		12.0	
Parking/Grade/Parking	N	0	N	N	0	N				N	0	N	
Parking/Hour													
Bus Stops/Hour		0	0	0	0					0		0	
Minimum Pedestrian Time		3.2			3.2						3.2		
Phasing	WB Only	Thru & RT	03	04	SB Only	06	07	08					
Timing	G = 8.0	G = 60.0	G =	G =	G = 38.0	G =	G =	G =					
	Y = 4	Y = 5	Y =	Y =	Y = 5	Y =	Y =	Y =					
Duration of Analysis (hrs) = 0.25						Cycle Length C = 120.0							
Lane Group Capacity, Control Delay, and LOS Determination													
	EB			WB			NB			SB			
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT	
Adjusted Flow Rate		2955	0	13	1365					1027		589	
Lane Group Capacity		3318	777	116	2986					1047		854	
v/c Ratio		0.89	0.00	0.11	0.46					0.98		0.69	
Green Ratio		0.50	0.50	0.07	0.60					0.32		0.32	
Uniform Delay d <sub>1</sub>		27.0	15.0	52.7	13.2					40.6		35.8	
Delay Factor k		0.41	0.11	0.11	0.11					0.49		0.26	
Incremental Delay d <sub>2</sub>		3.4	0.0	0.4	0.1					23.2		2.4	
PF Factor		0.767	1.000	1.000	0.575					1.000		1.000	
Control Delay		24.2	15.0	53.1	7.7					63.8		38.2	
Lane Group LOS		C	B	D	A					E		D	
Approach Delay		24.2			8.1						54.5		
Approach LOS		C			A						D		
Intersection Delay		28.7			Intersection LOS						C		



## TWO-WAY STOP CONTROL SUMMARY

General Information				Site Information				
Analyst	AJC			Intersection	WB OFF @ SR 29			
Agency/Co.	AIM ENGR			Jurisdiction				
Date Performed	3/21/2012			Analysis Year	2029 EVERGLADES			
Analysis Time Period	AM							
Project Description								
East/West Street: I-75 WB OFF Ramp				North/South Street: SR 29				
Intersection Orientation: North-South				Study Period (hrs): 0.25				
Vehicle Volumes and Adjustments								
Major Street	Northbound			Southbound				
Movement	1	2	3	4	5	6		
	L	T	R	L	T	R		
Volume (veh/h)	356	186			261			
Peak-Hour Factor, PHF	0.95	0.95	1.00	1.00	0.95	1.00		
Hourly Flow Rate, HFR (veh/h)	374	195	0	0	274	0		
Percent Heavy Vehicles	22	--	--	0	--	--		
Median Type	Undivided							
RT Channelized			0			0		
Lanes	1	1	0	0	1	0		
Configuration	L	T			T			
Upstream Signal		0			0			
Minor Street	Eastbound			Westbound				
Movement	7	8	9	10	11	12		
	L	T	R	L	T	R		
Volume (veh/h)				37				
Peak-Hour Factor, PHF	1.00	1.00	1.00	0.95	1.00	1.00		
Hourly Flow Rate, HFR (veh/h)	0	0	0	38	0	0		
Percent Heavy Vehicles	0	0	0	6	0	0		
Percent Grade (%)	0			0				
Flared Approach		N			N			
Storage		0			0			
RT Channelized			0			0		
Lanes	0	0	0	1	0	0		
Configuration				L				
Delay, Queue Length, and Level of Service								
Approach	Northbound	Southbound	Westbound			Eastbound		
Movement	1	4	7	8	9	10	11	12
Lane Configuration	L		L					
v (veh/h)	374		38					
C (m) (veh/h)	1182		134					
v/c	0.32		0.28					
95% queue length	1.37		1.09					
Control Delay (s/veh)	9.4		42.2					
LOS	A		E					
Approach Delay (s/veh)	--	--	42.2					
Approach LOS	--	--	E					

## TWO-WAY STOP CONTROL SUMMARY

General Information				Site Information			
Analyst	AJC			Intersection	I-75 EB OFF@ SR 29		
Agency/Co.	AIM ENGR			Jurisdiction			
Date Performed	3/22/2012			Analysis Year	2029 EVERGLADES		
Analysis Time Period	AM						
Project Description							
East/West Street: I-75 Ramps				North/South Street: SR 29			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
Vehicle Volumes and Adjustments							
Major Street	Northbound			Southbound			
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)		408		183	115		
Peak-Hour Factor, PHF	0.95	0.95	1.00	0.95	0.95	1.00	
Hourly Flow Rate, HFR (veh/h)	0	429	0	192	121	0	
Percent Heavy Vehicles	6	--	--	22	--	--	
Median Type	Undivided						
RT Channelized			0				0
Lanes	0	1	0	1	1	0	
Configuration		T		L	T		
Upstream Signal		0			0		
Minor Street	Eastbound			Westbound			
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)	134						
Peak-Hour Factor, PHF	0.95	1.00	1.00	0.95	1.00	1.00	
Hourly Flow Rate, HFR (veh/h)	141	0	0	0	0	0	
Percent Heavy Vehicles	6	0	0	6	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	1	0	0	0	0	0	
Configuration	L						
Delay, Queue Length, and Level of Service							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration		L				L	
v (veh/h)		192				141	
C (m) (veh/h)		1031				236	
v/c		0.19				0.60	
95% queue length		0.68				3.45	
Control Delay (s/veh)		9.3				40.6	
LOS		A				E	
Approach Delay (s/veh)	--	--				40.6	
Approach LOS	--	--				E	

TWO-WAY STOP CONTROL SUMMARY							
General Information				Site Information			
Analyst	GSR			Intersection	I-75 EB OFF@ EVERGLADES		
Agency/Co.	AIM ENGR			Jurisdiction			
Date Performed	3/31/2012			Analysis Year	2029 EVERGLADES		
Analysis Time Period	AM						
Project Description							
East/West Street: I-75 Ramps				North/South Street: EVERGLADES BLVD			
Intersection Orientation: North-South				Study Period (hrs): 0.25			
Vehicle Volumes and Adjustments							
Major Street	Northbound			Southbound			
Movement	1	2	3	4	5	6	
	L	T	R	L	T	R	
Volume (veh/h)				122			
Peak-Hour Factor, PHF	0.95	0.95	1.00	0.95	0.95	1.00	
Hourly Flow Rate, HFR (veh/h)	0	0	0	128	0	0	
Percent Heavy Vehicles	6	--	--	2	--	--	
Median Type	Undivided						
RT Channelized			0			0	
Lanes	0	0	0	1	0	0	
Configuration				L			
Upstream Signal		0			0		
Minor Street	Eastbound			Westbound			
Movement	7	8	9	10	11	12	
	L	T	R	L	T	R	
Volume (veh/h)	1083						
Peak-Hour Factor, PHF	0.95	1.00	1.00	0.95	1.00	1.00	
Hourly Flow Rate, HFR (veh/h)	1140	0	0	0	0	0	
Percent Heavy Vehicles	6	0	0	6	0	0	
Percent Grade (%)		0			0		
Flared Approach		N			N		
Storage		0			0		
RT Channelized			0			0	
Lanes	1	0	0	0	0	0	
Configuration	L						
Delay, Queue Length, and Level of Service							
Approach	Northbound	Southbound	Westbound			Eastbound	
Movement	1	4	7	8	9	10	11
Lane Configuration		L				L	
v (veh/h)		128				1140	
C (m) (veh/h)		1623				667	
v/c		0.08				1.71	
95% queue length		0.26				65.64	
Control Delay (s/veh)		7.4				342.0	
LOS		A				F	
Approach Delay (s/veh)	--	--				342.0	
Approach LOS	--	--				F	

### SHORT REPORT

General Information	Site Information
Analyst <i>GSR</i>	Intersection <i>EB I-75</i>
Agency or Co. <i>AIM ENGINEERING</i>	<i>RAMPS/EVERGLADES</i>
Date Performed <i>3/29/2012</i>	Area Type <i>All other areas</i>
Time Period <i>AM PEAK HOUR</i>	Jurisdiction
	Analysis Year <i>INTERIM YEAR 2029</i>

Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes	2							1			1	1
Lane Group	<i>L</i>							<i>T</i>			<i>L</i>	<i>T</i>
Volume (vph)	<i>1083</i>							<i>5</i>			<i>122</i>	<i>5</i>
% Heavy Vehicles	<i>6</i>							<i>2</i>			<i>6</i>	<i>2</i>
PHF	<i>0.95</i>							<i>0.95</i>			<i>0.95</i>	<i>0.95</i>
Pretimed/Actuated (P/A)	<i>A</i>							<i>A</i>			<i>A</i>	<i>A</i>
Startup Lost Time	<i>2.0</i>							<i>2.0</i>			<i>2.0</i>	<i>2.0</i>
Extension of Effective Green	<i>2.0</i>							<i>2.0</i>			<i>2.0</i>	<i>2.0</i>
Arrival Type	<i>3</i>							<i>3</i>			<i>3</i>	<i>3</i>
Unit Extension	<i>3.0</i>							<i>3.0</i>			<i>3.0</i>	<i>3.0</i>
Ped/Bike/RTOR Volume	<i>0</i>	<i>0</i>					<i>0</i>	<i>0</i>			<i>0</i>	<i>0</i>
Lane Width	<i>12.0</i>							<i>12.0</i>			<i>12.0</i>	<i>12.0</i>
Parking/Grade/Parking	<i>N</i>	<i>0</i>	<i>N</i>				<i>N</i>	<i>0</i>	<i>N</i>	<i>N</i>	<i>0</i>	<i>N</i>
Parking/Hour												
Bus Stops/Hour	<i>0</i>							<i>0</i>			<i>0</i>	<i>0</i>
Minimum Pedestrian Time		<i>3.2</i>						<i>3.2</i>			<i>3.2</i>	<i>3.2</i>
Phasing	EB Only	02	03	04	NS Perm	06	07	08				
Timing	G = <i>50.0</i>	G =	G =	G =	G = <i>15.0</i>	G =	G =	G =				
	Y = <i>5</i>	Y =	Y =	Y =	Y = <i>5</i>	Y =	Y =	Y =				
Duration of Analysis (hrs) = <i>0.25</i>							Cycle Length C = <i>75.0</i>					

Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate	<i>1140</i>							<i>5</i>			<i>128</i>	<i>5</i>
Lane Group Capacity	<i>2205</i>							<i>373</i>			<i>270</i>	<i>373</i>
v/c Ratio	<i>0.52</i>							<i>0.01</i>			<i>0.47</i>	<i>0.01</i>
Green Ratio	<i>0.67</i>							<i>0.20</i>			<i>0.20</i>	<i>0.20</i>
Uniform Delay d <sub>1</sub>	<i>6.4</i>							<i>24.1</i>			<i>26.5</i>	<i>24.1</i>
Delay Factor k	<i>0.12</i>							<i>0.11</i>			<i>0.11</i>	<i>0.11</i>
Incremental Delay d <sub>2</sub>	<i>0.2</i>							<i>0.0</i>			<i>1.3</i>	<i>0.0</i>
PF Factor	<i>1.000</i>							<i>1.000</i>			<i>1.000</i>	<i>1.000</i>
Control Delay	<i>6.6</i>							<i>24.1</i>			<i>27.8</i>	<i>24.1</i>
Lane Group LOS	<i>A</i>							<i>C</i>			<i>C</i>	<i>C</i>
Approach Delay	<i>6.6</i>						<i>24.1</i>			<i>27.7</i>		
Approach LOS	<i>A</i>						<i>C</i>			<i>C</i>		
Intersection Delay	<i>8.8</i>			Intersection LOS						<i>A</i>		

SHORT REPORT												
General Information						Site Information						
Analyst <i>AJC</i> Agency or Co. <i>AIM Engineering</i> Date Performed <i>03/16/2012</i> Time Period <i>AM</i>						Intersection <i>WB I-75 OFF &amp; CR 951</i> Area Type <i>All other areas</i> Jurisdiction Analysis Year <i>2029 Everglades</i>						
Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes				2		2		4			4	1
Lane Group				L		R		T			T	R
Volume (vph)				623		323		2488			2111	674
% Heavy Vehicles				6		6		4			4	4
PHF				0.95		0.95		0.95			0.95	0.95
Pretimed/Actuated (P/A)				A		A		A			A	A
Startup Lost Time				2.0		2.0		2.0			2.0	2.0
Extension of Effective Green				2.0		2.0		2.0			2.0	2.0
Arrival Type				3		3		4			4	3
Unit Extension				3.0		3.0		3.0			3.0	3.0
Ped/Bike/RTOR Volume				0	0	0	0	0		0	0	674
Lane Width				12.0		12.0		12.0			12.0	12.0
Parking/Grade/Parking				N	0	N	N	0	N	N	0	N
Parking/Hour												
Bus Stops/Hour				0		0		0			0	0
Minimum Pedestrian Time						3.2					3.2	
Phasing	WB Only	02	03	04	Thru & RT	06	07	08				
Timing	G = 21.0	G =	G =	G =	G = 44.0	G =	G =	G =				
	Y = 5	Y =	Y =	Y =	Y = 5	Y =	Y =	Y =				
Duration of Analysis (hrs) = 0.25						Cycle Length C = 75.0						
Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate				656		340		2619			2222	0
Lane Group Capacity				926		755		3893			3893	911
v/c Ratio				0.71		0.45		0.67			0.57	0.00
Green Ratio				0.28		0.28		0.59			0.59	0.59
Uniform Delay $d_1$				24.3		22.2		10.6			9.6	6.4
Delay Factor k				0.27		0.11		0.24			0.17	0.11
Incremental Delay $d_2$				2.5		0.4		0.0			0.1	0.0
PF Factor				1.000		1.000		0.606			0.606	1.000
Control Delay				26.8		22.7		6.5			5.9	6.4
Lane Group LOS				C		C		A			A	A
Approach Delay				25.4			6.5			5.9		
Approach LOS				C			A			A		
Intersection Delay	9.5			Intersection LOS						A		

SHORT REPORT												
General Information						Site Information						
Analyst	AJC					Intersection	EB I-75 OFF & CR 951					
Agency or Co.	AIM Engineering					Area Type	All other areas					
Date Performed	03/16/2012					Jurisdiction						
Time Period	AM					Analysis Year	2029 Everglades					
Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes	2		3					4	1	2	4	
Lane Group	L		R					T	R	L	T	
Volume (vph)	529		1341					3665	489	254	2480	
% Heavy Vehicles	6		6					4	4	4	4	
PHF	0.95		0.95					0.95	0.95	0.95	0.95	
Pretimed/Actuated (P/A)	A		A					A	A	A	A	
Startup Lost Time	2.0		2.0					2.0	2.0	2.0	2.0	
Extension of Effective Green	2.0		2.0					2.0	2.0	2.0	2.0	
Arrival Type	4		4					4	4	4	4	
Unit Extension	3.0		3.0					3.0	3.0	3.0	3.0	
Ped/Bike/RTOR Volume	0	0	0				0	0	40	0	0	
Lane Width	12.0		12.0					12.0	12.0	12.0	12.0	
Parking/Grade/Parking	N	0	N				N	0	N	N	0	N
Parking/Hour												
Bus Stops/Hour	0		0					0	0	0	0	
Minimum Pedestrian Time		3.2						3.2			3.2	
Phasing	EB Only	02	03	04	NB Only	Thru & RT	SB Only	08				
Timing	G = 30.0	G =	G =	G =	G = 13.0	G = 71.0	G = 18.0	G =				
	Y = 5	Y =	Y =	Y =	Y = 4	Y = 4	Y = 5	Y =				
Duration of Analysis (hrs) = 0.25						Cycle Length C = 150.0						
Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate	557		1412					3858	473	267	2611	
Lane Group Capacity	661		1484					3893	1273	404	4114	
v/c Ratio	0.84		0.95					0.99	0.37	0.66	0.63	
Green Ratio	0.20		0.32					0.59	0.82	0.12	0.62	
Uniform Delay d <sub>1</sub>	57.7		49.9					30.6	3.5	63.1	17.9	
Delay Factor k	0.38		0.46					0.49	0.11	0.24	0.22	
Incremental Delay d <sub>2</sub>	9.7		13.6					2.7	0.0	4.0	0.3	
PF Factor	1.000		0.970					0.606	0.319	1.000	0.525	
Control Delay	67.4		61.9					21.3	1.1	67.1	9.7	
Lane Group LOS	E		E					C	A	E	A	
Approach Delay	63.5						19.1			15.0		
Approach LOS	E						B			B		
Intersection Delay	27.3			Intersection LOS						C		

SHORT REPORT												
General Information						Site Information						
Analyst AJC Agency or Co. AIM Engineering Date Performed 03/16/2012 Time Period AM						Intersection GGP & I-75 NB OFF Area Type All other areas Jurisdiction Analysis Year 2029 Everglades						
Volume and Timing Input												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Number of Lanes		3			3		2		1			
Lane Group		T			T		L		R			
Volume (vph)		1635			1340		742		20			
% Heavy Vehicles		4			4		6		6			
PHF		0.95			0.95		0.95		0.95			
Pretimed/Actuated (P/A)		A			A		A		A			
Startup Lost Time		2.0			2.0		2.0		2.0			
Extension of Effective Green		2.0			2.0		2.0		2.0			
Arrival Type		4			4		3		3			
Unit Extension		3.0			3.0		3.0		3.0			
Ped/Bike/RTOR Volume	0	0		0	0		0	0	0			
Lane Width		12.0			12.0		12.0		12.0			
Parking/Grade/Parking	N	0	N	N	0	N	N	0	N			
Parking/Hour												
Bus Stops/Hour		0			0		0		0			
Minimum Pedestrian Time		3.2			3.2				3.2			
Phasing	Thru Only	02	03	04	NB Only	06	07	08				
Timing	G = 71.0	G =	G =	G =	G = 39.0	G =	G =	G =				
	Y = 5	Y =	Y =	Y =	Y = 5	Y =	Y =	Y =				
Duration of Analysis (hrs) = 0.25						Cycle Length C = 120.0						
Lane Group Capacity, Control Delay, and LOS Determination												
	EB			WB			NB			SB		
	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT
Adjusted Flow Rate		1721			1411		781		21			
Lane Group Capacity		2945			2945		1075		495			
v/c Ratio		0.58			0.48		0.73		0.04			
Green Ratio		0.59			0.59		0.32		0.32			
Uniform Delay d <sub>1</sub>		15.3			14.0		35.8		27.7			
Delay Factor k		0.18			0.11		0.29		0.11			
Incremental Delay d <sub>2</sub>		0.3			0.1		2.5		0.0			
PF Factor		0.595			0.595		1.000		1.000			
Control Delay		9.4			8.4		38.3		27.8			
Lane Group LOS		A			A		D		C			
Approach Delay		9.4			8.4		38.0					
Approach LOS		A			A		D					
Intersection Delay		14.9		Intersection LOS							B	