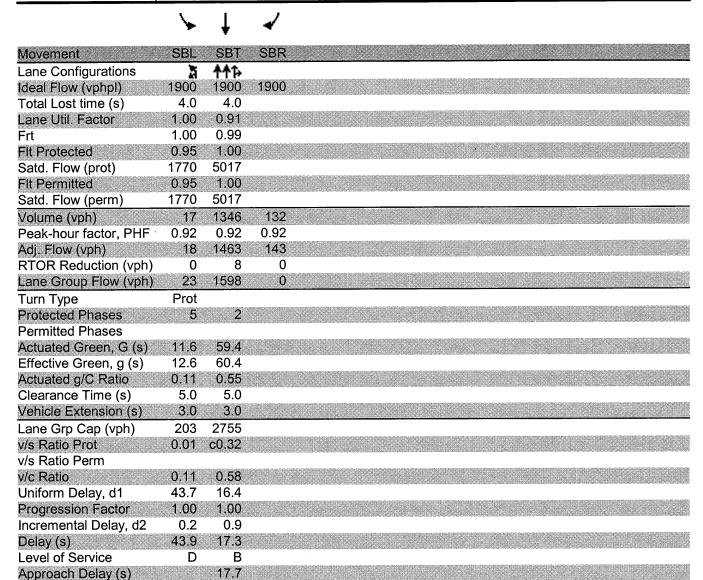


	۶	-	•	F	√	4—	•	₽	4	†	<i>></i>	L
Movement	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU
Lane Configurations						47>			ă	ተ ተጉ		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)						4.0			4.0	4.0		
Lane Util. Factor						0.95 0.95			1.00 1.00	0.91 1.00		
Frt Flt Protected						0.98			0.95	1.00		
Satd. Flow (prot)						3283			1770	5075		
Fit Permitted						0.98			0.95	1.00		
Satd. Flow (perm)						3283			1770	5075		
Volume (vph)	0	0	0	1	8	5	7	4	355	1629	23	5
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	0	0	1	9	5	8	4	386	1771	25	5
RTOR Reduction (vph)	0	0	0	0	0	8	0	0	0	1	0	0
Lane Group Flow (vph)	0	0	0	0	0	15	0	0	390	1795	0	0
Turn Type				Split	Split			Prot 1	Prot 1	6		Prot 5
Protected Phases				8	8	8		l	I	0		J
Permitted Phases Actuated Green, G (s)						2.8			31.8	79.6		
Effective Green, g (s)						4.8			32.8	80.6		
Actuated g/C Ratio						0.04			0.30	0.73		
Clearance Time (s)						6.0			5.0	5.0		
Vehicle Extension (s)						3.0			3.0	3.0		
Lane Grp Cap (vph)						143			528	3719		***************************************
v/s Ratio Prot						c0.00			c0.22	0.35		
v/s Ratio Perm						_			6 1	0.40		
v/c Ratio						0.11			0.74	0.48 6.1		
Uniform Delay, d1						50.5 1.00			34.7 1.00	0.46		
Progression Factor Incremental Delay, d2						0.3			3.8	0.3		
Delay (s)						50.9			38.6	3.1		
Level of Service						D			D	Α		
Approach Delay (s)		0.0				50.9				9.4		
Approach LOS		Α				D				Α		
Intersection Summary												
HCM Average Control D	elay		13.2	F	ICM Lev	el of Se	ervice		В			
HCM Volume to Capacit	y ratio		0.61									
Actuated Cycle Length (110.0			ost time			12.0			
Intersection Capacity Ut	lization	ı	64.7%	10	CU Leve	el of Ser	vice		С			
Analysis Period (min)			15									
c Critical Lane Group												



В

Approach LOS

Intersection Summary

	•	•	4	†	L	ļ	4	
Movement	EBL	EBR	NBL	NBT	SBU	SBT	SBR	
Lane Configurations	ሻሻ	77	ሻሻ	ተተተ	ħ	ቀ ቀጉ		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	4.0		
Lane Util. Factor	0.97	0.88	0.97	0.91	1.00	0.91		
Frt	1.00	0.85	1.00	1.00	1.00	0.99	***************************************	
Fit Protected	0.95	1.00	0.95	1.00	0.95	1.00		
Satd. Flow (prot)	3433	2787	3367	4988	1752	4963		
Flt Permitted	0.95	1.00	0.95	1.00	0.10	1.00		
Satd. Flow (perm)	3433	2787	3367	4988	182	4963		
Volume (vph)	139	1233	459	1846	10	1239	110	
Peak-hour factor, PHF	0.81	0.92	0.80	0.76	0.92	0.92	0.77	
Adj. Flow (vph)	172	1340	574	2429	11	1347	143	
RTOR Reduction (vph)	0	4	0	0	0	11	0	
Lane Group Flow (vph)	172	1336	574	2429	11	1479	0	
Heavy Vehicles (%)	2%	2%	4%	4%	3%	3%	3%	
Turn Type		pt+ov	Prot		Perm			
Protected Phases	3	3 1	1	6	***************************************	2		
Permitted Phases					2			
Actuated Green, G (s)	28.2	59.5	25.3	69.8	38.5	38.5		
Effective Green, g (s)	30.2	61.5	27.3	71.8	40.5	40.5		
Actuated g/C Ratio	0.27	0.56	0.25	0.65	0.37	0.37		
Clearance Time (s)	6.0		6.0	6.0	6.0	6.0		
Vehicle Extension (s)	3.0		3.0	3.0	3.0	3.0		
Lane Grp Cap (vph)	943	1558	836	3256	67	1827		
v/s Ratio Prot	0.05	c0.48	0.17	0.49		c0.30		
v/s Ratio Perm					0.06			
v/c Ratio	0.18	0.86	0.69	0.75	0.16	0.81		
Uniform Delay, d1	30.5	20.5	37.5	12.9	23.4	31.3		
Progression Factor	1.00	1.00	0.60	0.27	0.24	0.54		
Incremental Delay, d2	0.1	4.9	2.0	1.4	4.4	3.4		
Delay (s)	30.6	25.4	24.3	4.8	10.0	20.2		
Level of Service	С	C	С	Α	В	С		
Approach Delay (s)	26.0			8.5		20.2		
Approach LOS	C			Α		С		
Intersection Summary								
HCM Average Control D	elay		15.8	H	ICM Le	vel of Se	vice	В
HCM Volume to Capacit			0.84					
Actuated Cycle Length (110.0			ost time		8.0
Intersection Capacity Ut			84.8%			el of Serv		E
Analysis Period (min)			15					
c Critical Lane Group				one of the second se				

c Critical Lane Group

	۶		*	•	←	*	4	†	/	>	ļ	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	ሻ	(Î			44>		7	ተተ _ጉ		ሻ	ተ ተጉ	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0		4.0	4.0		4.0	4.0	
Lane Util. Factor	1.00	1.00			1.00		1.00	0.91		1.00	0.91	
Frt	1.00	0.85			1.00		1.00	1.00		1.00	0.98	
Fit Protected	0.95	1.00			0.96		0.95	1.00		0.95	1.00	
Satd. Flow (prot)	1770	1583			1787		1770	5082		1770	5007	
Flt Permitted	0.75	1.00			0.80		0.95	1.00		0.95	1.00	
Satd. Flow (perm)	1388	1583			1492		1770	5082		1770	5007	
Volume (vph)	250	0	93	15	3	0	183	2031	10	2	2233	254
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	272	0	101	16	3	0	199	2208	11	2	2427	276
RTOR Reduction (vph)	0	80	0	0	0	0	0	0	0	0	13	0
Lane Group Flow (vph)	272	21	0	0	19	0	199	2219	0	2	2690	0
Turn Type	Perm			Perm			Prot		-	Prot		
Protected Phases		4			8		1	6		5	2	
Permitted Phases	4			8								***************************************
Actuated Green, G (s)	21.2	21.2			21.2		12.2	71.4		1.4	60.6	
Effective Green, g (s)	23.2	23.2			23.2		13.2	72.4		2.4	61.6	***************************************
Actuated g/C Ratio	0.21	0.21			0.21		0.12	0.66		0.02	0.56	
Clearance Time (s)	6.0	6.0			6.0		5.0	5.0		5.0	5.0	
Vehicle Extension (s)	3.0	3.0			3.0		3.0	3.0		3.0	3.0	
Lane Grp Cap (vph)	293	334			315		212	3345		39	2804	
v/s Ratio Prot		0.01					c0.11	0.44		0.00	c0.54	
v/s Ratio Perm	c0.20				0.01							
v/c Ratio	0.93	0.06			0.06		0.94	0.66		0.05	0.96	
Uniform Delay, d1	42.6	34.7			34.7		48.0	11.4		52.7	23.0	
Progression Factor	1.00	1.00			1.00		1.20	0.33		0.85	0.73	
Incremental Delay, d2	33.9	0.1			0.1		29.6	0.6		0.3	6.1	
Delay (s)	76.4	34.8			34.8		87.4	4.3		45.1	22.9	
Level of Service	Е	С	vv. #***********************************		С		F	Α		D	С	
Approach Delay (s)		65.2			34.8			11.1			23.0	
Approach LOS		Ε			С			В			С	
Intersection Summary												
HCM Average Control D			20.7	Н	ICM Lev	el of Se	ervice		С			
HCM Volume to Capaci			0.95									
Actuated Cycle Length (110.0			ost time			12.0			
Intersection Capacity Ut	ilization	1	84.3%	10	CU Leve	el of Ser	vice		E			
Analysis Period (min)			15	***************************************								
c Critical Lane Group												

	۶	→	*	•	←		₽l	1	†	/	/	+
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT
Lane Configurations	ሻ	43+	7		€}•			ሕ ኻ	ተ ተ ጉ		ሻ	^
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	12	13	12	12	16	12	12	12	12	12	10	13
Total Lost time (s)	4.0	4.0	4.0		4.0			4.0	4.0		4.0	4.0
Lane Util. Factor	0.95	0.91	0.95		1.00			0.97	0.91		1.00	0.95
Frt	1.00	1.00	0.85		0.98			1.00	1.00		1.00	1.00
Flt Protected	0.95	0.95	1.00		0.96			0.95	1.00		0.95	1.00
Satd. Flow (prot)	1665	1648	1504		2030			3433	5084		1652	3657
Flt Permitted	0.95	0.95	1.00		0.96			0.95	1.00		0.95	1.00
Satd. Flow (perm)	1665	1648	1504		2030			3433	5084		1652	3657
Volume (vph)	599	0	329	20	2	4	21	291	1619	4	3	1576
Peak-hour factor, PHF	0.80	0.92	0.92	0.69	0.69	0.69	0.92	0.92	0.92	0.92	0.89	0.89
Adj. Flow (vph)	749	0	358	29	3	6	23	316	1760	4	3	1771
RTOR Reduction (vph)	0	0	0	0	6	0	0	0	0	0	0	0
Lane Group Flow (vph)	375	374	358	0	32	0	0	339	1764	0	3	1771
Heavy Vehicles (%)	3%	2%	2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
Turn Type	Split		Free	Split			Prot	Prot			Prot	
Protected Phases	8	8		4	4		1	1	6		5	2
Permitted Phases			Free									
Actuated Green, G (s)	26.2	26.2	110.0		4.2			11.0	43.9		13.7	46.6
Effective Green, g (s)	28.2	28.2	110.0		6.2			12.0	44.9		14.7	47.6
Actuated g/C Ratio	0.26	0.26	1.00		0.06			0.11	0.41		0.13	0.43
Clearance Time (s)	6.0	6.0			6.0			5.0	5.0		5.0	5.0
Vehicle Extension (s)	3.0	3.0			3.0			3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	427	422	1504		114	-		375	2075		221	1582
v/s Ratio Prot	0.23	c0.23			0.02			0.10	c0.35		0.00	c0.48
v/s Ratio Perm		***************************************	0.24									
v/c Ratio	0.88	0.89	0.24		0.28			0.90	0.85		0.01	1.12
Uniform Delay, d1	39.3	39.4	0.0		49.8			48.4	29.5		41.4	31.2
Progression Factor	1.00	1.00	1.00		1.00			0.90	0.72		0.90	0.76
Incremental Delay, d2	18.1	19.5	0.4		1.4			22.3	4.1		0.0	58.1
Delay (s)	57.4	58.8	0.4		51.1			65.7	25.4		37.4	81.8
Level of Service	Е	Е	Α		D			E	С		D	F
Approach Delay (s)		39.4			51.1				31.9			54.9
Approach LOS		D			D				С			D
Intersection Summary												
HCM Average Control D	elay		43.8	Н	ICM Lev	el of Se	rvice		D			
HCM Volume to Capacit	y ratio		0.97									
Actuated Cycle Length (110.0	S	um of lo	ost time	(s)		12.0			
Intersection Capacity Ut			85.3%	10	CU Leve	el of Sen	vice		E			
Analysis Period (min)			15									
c Critical Lane Group												



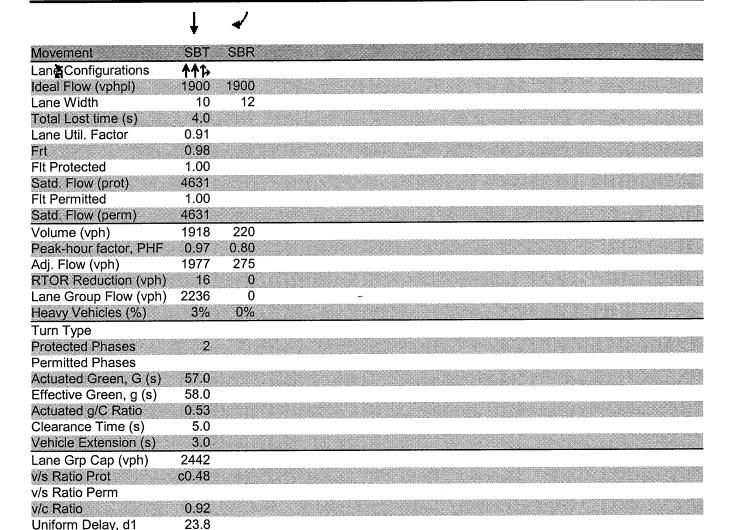
Movement	SBR	
La † Configurations	J	
Ideal Flow (vphpl)	1900	
Lane Width	12	
Total Lost time (s)	4.0	
Lane Util. Factor	1.00	
Frt	0.85	
Fit Protected	1.00 1583	
Satd. Flow (prot)	1.00	:
Flt Permitted Satd. Flow (perm)	1583	
	779	
Volume (vph)	0.89	
Peak-hour factor, PHF	875	
Adj. Flow (vph) RTOR Reduction (vph)	0/3	
Lane Group Flow (vph)	875	j
Heavy Vehicles (%)	2%	Marian
Turn Type	Free	į
Protected Phases	1166	Www.
Permitted Phases	Free	
Actuated Green, G (s)	110.0	
Effective Green, g (s)	110.0	
Actuated g/C Ratio	1.00	
Clearance Time (s)		
Vehicle Extension (s)		Weiner
Lane Grp Cap (vph)	1583	
v/s Ratio Prot		Charles
v/s Ratio Perm	c0.55	3
v/c Ratio	0.55	-
Uniform Delay, d1	0.0	ž
Progression Factor	1.00	NAMES
Incremental Delay, d2	0.6	i i
Delay (s)	0.6	NACOD-W
Level of Service	A	×
Approach Delay (s)		200000
Approach LOS		
Intersection Summary		000000000

	۶	\rightarrow	•	1	-	•	1	Ţ	/	L	-	↓
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Lane Configurations	ሻሻ		Ť					ተ ቀጭ			Ā	ተተተ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0		4.0					4.0			4.0	4.0
Lane Util. Factor	0.97		1.00					0.91			1.00	0.91
Frt	1.00		0.85					1.00			1.00	1.00
Flt Protected	0.95		1.00					1.00			0.95	1.00
Satd. Flow (prot)	3433		1583					5085			1805	5036
Flt Permitted	0.95		1.00					1.00			0.95	1.00
Satd. Flow (perm)	3433		1583					5085			1805	5036
Volume (vph)	412	0	325	0	0	0	0	1483	0	7	0	1923
Peak-hour factor, PHF	0.94	0.92	0.95	0.92	0.92	0.92	0.92	0.92	0.92	0.44	0.92	0.97
Adj. Flow (vph)	438	0	342	0	0	0	0	1612	0	16	0	1982
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	438	0	342	0	0	0	0	1612	0	0	16	1982
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	2%	2%	2%	0%	0%	3%
	Prot		Free							Prot	Prot	
								6		5	5	2
			Free									
	18.6		110.0					73.9			1.5	80.4
	20.6		110.0					74.9			2.5	81.4
- , ,			1.00					0.68			0.02	0.74
<u> </u>								5.0			5.0	5.0
								3.0			3.0	3.0
			1583					3462			41	3727
											0.01	c0.39
			0.22									
	0.68							0.47			0.39	0.53
												6.1
											1.23	0.48
											2.4	0.2
											67.6	3.1
								А			E	Α
		25.2			0.0			7.6				3.6
Approach LOS		С			Α			Α				Α
Intersection Summary												
HCM Average Control D	elay		8.9	Н	CM Lev	el of Se	rvice		Α			
			0.56					~~~				
			110.0	S	um of lo	st time	(s)		8.0			
		;	55.6%			l of Ser			В			
			15									
c Critical Lane Group								·····				
RTOR Reduction (vph) Lane Group Flow (vph) Heavy Vehicles (%) Turn Type Protected Phases Permitted Phases Actuated Green, G (s) Effective Green, g (s) Actuated g/C Ratio Clearance Time (s) Vehicle Extension (s) Lane Grp Cap (vph) v/s Ratio Prot v/s Ratio Perm v/c Ratio Uniform Delay, d1 Progression Factor Incremental Delay, d2 Delay (s) Level of Service Approach Delay (s) Approach LOS Intersection Summary HCM Average Control D HCM Volume to Capacit Actuated Cycle Length (Intersection Capacity Ut Analysis Period (min)	0 438 2% Prot 3 18.6 20.6 0.19 6.0 3.0 643 c0.13 0.68 41.6 1.00 3.0 44.6 D	0 0 2%	0 342 2% Free 110.0 110.0 1.00 1.00 1.00 0.3 0.3 A 8.9 0.56 110.0 55.6%	0 0 2%	0 0 2% 0.0 A ICM Lev	o 0 2% rel of Se	0 0 2%	0 1612 2% 6 73.9 74.9 0.68 5.0 3.0 3462 0.32 0.47 8.2 0.88 0.4 7.6 A	0 0 2%	0 0 0% Prot	0 16 0% Prot 5 1.5 2.5 0.02 5.0 3.0 41 0.01 0.39 53.0 1.23 2.4 67.6	1 8 8 8 0 0



Movement	SBR
L\$##Configurations	SDN
Ideal Flow (vphpl)	1900
Total Lost time (s)	
Lane Util. Factor	
Frt	
FIt Protected	
Satd. Flow (prot)	
Fit Permitted	The second se
Satd. Flow (perm)	
Volume (vph)	0 0.92
Peak-hour factor, PHF Adj. Flow (vph)	0.92
RTOR Reduction (vph)	0
Lane Group Flow (vph)	
Heavy Vehicles (%)	2%
Turn Type	
Protected Phases	
Permitted Phases	
Actuated Green, G (s)	
Effective Green, g (s)	
Actuated g/C Ratio Clearance Time (s)	
Vehicle Extension (s)	
Lane Grp Cap (vph)	
v/s Ratio Prot	
v/s Ratio Perm	
v/c Ratio	
Uniform Delay, d1	
Progression Factor Incremental Delay, d2	
Delay (s)	
Level of Service	
Approach Delay (s)	
Approach LOS	
Intersection Summary	

	۶	→	*	•	4-	•	₽î	*	†	<i>></i>	L	1
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Lane Configurations	¥	4	7	ሻ	4			Ā	ተተ _ጉ	***************************************	***************************************	ă
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width	11	11	11	12	13	12	10	10	11	12	10	10
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0			4.0	4.0			4.0
Lane Util. Factor	0.95	0.95	1.00	0.95	0.95			1.00	0.91			1.00
Frt	1.00	1.00	0.85	1.00	0.92			1.00	1.00			1.00
Flt Protected	0.95	0.97	1.00	0.95	1.00			0.95	1.00			0.95
Satd. Flow (prot)	1625	1652	1531	1698	1701			1624	4898			1620
Flt Permitted	0.95	0.97	1.00	0.95	1.00			0.95	1.00			0.95
Satd. Flow (perm)	1625	1652	1531	1698	1701			1624	4898			1620
Volume (vph)	218	38	128	41	37	41	19	131	1214	18	11	97
Peak-hour factor, PHF	0.92	0.92	0.92	0.84	0.84	0.84	0.75	0.75	0.80	0.47	0.92	0.87
Adj. Flow (vph)	237	41	139	49	44	49	25	175	1518	38	12	111
RTOR Reduction (vph)	0	0	124	0	37	0	0	0	2	0	0	0
Lane Group Flow (vph)	135	143	15	49	56	0	0	200	1554	0	0	123
Heavy Vehicles (%)	2%	2%	2%	1%	1%	1%	2%	4%	2%	2%	4%	4%
Turn Type	Split		Prot	Split			Prot	Prot			Prot	Prot
Protected Phases	3	3	3	7	7		1	1	6		5	5
Permitted Phases												
Actuated Green, G (s)	10.0	10.0	10.0	8.0	8.0			13.0	57.5			12.5
Effective Green, g (s)	12.0	12.0	12.0	10.0	10.0			14.0	58.5			13.5
Actuated g/C Ratio	0.11	0.11	0.11	0.09	0.09			0.13	0.53			0.12
Clearance Time (s)	6.0	6.0	6.0	6.0	6.0			5.0	5.0			5.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0			3.0	3.0			3.0
Lane Grp Cap (vph)	177	180	167	154	155			207	2605			199
v/s Ratio Prot	0.08	c0.09	0.01	0.03	c0.03			c0.12	0.32			0.08
v/s Ratio Perm												
v/c Ratio	0.76	0.79	0.09	0.32	0.36			0.97	0.60			0.62
Uniform Delay, d1	47.6	47.8	44.1	46.8	47.0			47.8	17.7			45.8
Progression Factor	1.00	1.00	1.00	1.00	1.00			0.68	0.38			1.27
Incremental Delay, d2	17.5	21.0	0.2	1.2	1.4			50.3	0.9			5.0
Delay (s)	65.1	68.8	44.3	48.0	48.4			82.5	7.7			63.3
Level of Service	Е	Е	D	D	D	***************************************		F	Α			E
Approach Delay (s)		59.4			48.3				16.2			
Approach LOS		Е			D				В			
Intersection Summary									_			
HCM Average Control D			20.4	F	ICM Lev	el of Se	rvice		С			
HCM Volume to Capaci			0.85									
Actuated Cycle Length		····	110.0			ost time			16.0			
Intersection Capacity U	tilization		80.3%	Į.	CU Leve	el of Sen	vice		D			
Analysis Period (min)			15									
c Critical Lane Group												



Progression Factor Incremental Delay, d2

Approach Delay (s)

Level of Service

Approach LOS

Delay (s)

0.26

6.2

12.4

15.0

В

В

	۶	→	•	•	←	*	4	†	/	-	ţ	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations						777		ተ ተጉ		ليراير	↑ ↑	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)						4.0		4.0		4.0	4.0	
Lane Util. Factor						0.88		0.91		0.97	0.95	
Frt						0.85		1.00		1.00	1.00	
Flt Protected						1.00		1.00		0.95	1.00	
Satd. Flow (prot)						2787		4969		3433	3532	
Flt Permitted						1.00		1.00		0.95	1.00	
Satd. Flow (perm)		***************************************				2787		4969		3433	3532	
Volume (vph)	0	0	0	0	0	51	0	1328	39	125	1955	27
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.75	0.82	0.92	0.92	0.84	0.84
Adj. Flow (vph)	0	0	0	0	0	55	0	1620	42	136	2327	32
RTOR Reduction (vph)	0	0	0	0	0	46	0	2	0	0	0	0
Lane Group Flow (vph)	0	0	0	0	0	9	0	1660	0	136	2359	0
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	4%	4%	4%	2%	2%	2%
Turn Type						Over				Prot		
Protected Phases						1		2		1	6	
Permitted Phases												
Actuated Green, G (s)					V-000000000000000000000000000000000000	15.8		83.2		15.8	110.0	
Effective Green, g (s)						17.8		84.2		17.8	110.0	
Actuated g/C Ratio						0.16		0.77		0.16	1.00	
Clearance Time (s)						6.0		5.0		6.0	5.0	
Vehicle Extension (s)						3.0		3.0		3.0	3.0	
Lane Grp Cap (vph)						451		3804		556	3532	
v/s Ratio Prot		000000000000000000000000000000000000000				0.00		0.33		0.04	c0.67	
v/s Ratio Perm												
v/c Ratio	***************************************					0.02		0.44		0.24	0.67	
Uniform Delay, d1						38.8		4.5		40.2	0.0	
Progression Factor						1.00		0.50		0.87	1.00	
Incremental Delay, d2						0.0		0.3		0.1	0.6	
Delay (s)						38.8		2.6	A-14	35.0	0.6	***************************************
Level of Service						D		Α		C	Α	
Approach Delay (s)		0.0			38.8			2.6			2.5	
Approach LOS		Α			D			Α			Α	
Intersection Summary												
HCM Average Control D	Nela		3.0	F	ICM Lev	vel of Se	rvice		Α			
HCM Volume to Capacit			0.67		ioin co							
Actuated Cycle Length (110.0	9	ium of l	ost time	(s)		0.0			
Intersection Capacity Ut		ı	58.2%			el of Ser			В			
Analysis Period (min)	mZUUUI I	,	15	IV.	LOV	J. J. J. J.						
c Critical Lane Group			.0									
o officer Earle Oroup												

	•	→	`	•	←	1	<u> </u>	†	<u> </u>	\	Ţ	- ✓
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		414			4	77		ተተጉ		ነኝ	↑ Դ	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0			4.0	4.0		4.0		4.0	4.0	
Lane Util. Factor		0.95			1.00	0.88		0.91		1.00	0.95	
Frt		0.94			1.00	0.85		0.99		1.00	0.99	
FIt Protected		0.99			0.98	1.00		1.00		0.95	1.00	
Satd. Flow (prot)		3274			1820	2787		5037		1770	3515	9999999999999
Fit Permitted		0.99			0.98	1.00		0.90		0.95	1.00	
Satd. Flow (perm)		3274			1820	2787		4558		1770	3515	
Volume (vph)	79	78	109	73	81	104	4	1176	78	125	1660	78
Peak-hour factor, PHF	0.89	0.89	0.89	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.99	0.99
Adj. Flow (vph)	89	88	122	79	88	113	4	1278	85	136	1677	79
RTOR Reduction (vph)	0	108	0	0	0	79	0	7	0	0	3	0
Lane Group Flow (vph)	0	191	0	0	167	34	0	1360	0	136	1753	0
Turn Type	Split			Split		pt+ov	Perm			Prot		
Protected Phases	4	4		8	8	8 1		2		1	6	
Permitted Phases							2					***************************************
Actuated Green, G (s)		10.7			14.0	30.5		46.8		16.5	68.3	
Effective Green, g (s)		12.7			16.0	33.5		47.8		17.5	69.3	
Actuated g/C Ratio		0.12			0.15	0.30		0.43		0.16	0.63	
Clearance Time (s)		6.0			6.0			5.0		5.0	5.0	
Vehicle Extension (s)		3.0			3.0			3.0		3.0	3.0	
Lane Grp Cap (vph)		378			265	849		1981		282	2214	
v/s Ratio Prot		c0.06			c0.09	0.01				80.0	c0.50	
v/s Ratio Perm								0.30		2-3-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2		
v/c Ratio		0.51			0.63	0.04		0.69		0.48	0.79	
Uniform Delay, d1		45.7			44.2	26.9		25.1		42.1	15.0	
Progression Factor		1.00			1.00	1.00		1.00		0.75	0.45	
Incremental Delay, d2		1.1	***************************************		4.8	0.0		1.9		1.0	2.2	
Delay (s)		46.8			49.0	27.0		27.0		32.4	8.9	
Level of Service		D			D	С		С		С	Α	
Approach Delay (s)		46.8			40.1			27.0			10.6	
Approach LOS		D			D			С			В	
Intersection Summary												
HCM Average Control D			21.4	H	ICM Le	vel of S	ervice		С			
HCM Volume to Capacit			0.73									
Actuated Cycle Length (110.0		ELLI BURBURNI DI BUBBURNI BURBURNI DA ANTONIO	ost time			12.0			
Intersection Capacity Uti	lization	1(03.4%	10	CU Lev	el of Sei	vice		G			
Analysis Period (min)			15									
c Critical Lane Group												

	۶	•	1	†	↓	✓
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	_		ሻ	ተተተ	ተተተ	7
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)			4.0	4.0	4.0	4.0
Lane Util. Factor			1.00	0.91	0.91	1.00
Frt			1.00	1.00	1.00	0.85
FIt Protected			0.95	1.00	1.00	1.00
Satd. Flow (prot)			1770	5085	5085	1583
Fit Permitted			0.95	1.00	1.00	1.00
Satd. Flow (perm)			1770	5085	5085	1583
Volume (vph)	0	0	166	1258	1428	414
Peak-hour factor, PHF	0.92	0.92	0.92	0.92 1367	0.92 1552	0.92 450
Adj. Flow (vph)	0	0	180 0	1367	1552	490 101
RTOR Reduction (vph) Lane Group Flow (vph)	0	0	180	1367	1552	349
Turn Type	U	U	Prot	1001	1004	Perm
Protected Phases			5 FIOL	2	6	Cilli
Permitted Phases			J	-	•	6
Actuated Green, G (s)			30.0	110.0	70.0	70.0
Effective Green, g (s)			31.0	110.0	71.0	71.0
Actuated g/C Ratio			0.28	1,00	0.65	0.65
Clearance Time (s)			5.0	5.0	5.0	5.0
Vehicle Extension (s)			3.0	3.0	3.0	3.0
Lane Grp Cap (vph)			499	5085	3282	1022
v/s Ratio Prot			c0.10	0.27	c0.31	62.0
v/s Ratio Perm						0.22
v/c Ratio			0.36	0.27	0.47	0.34
Uniform Delay, d1			31.6	0.0	10.0	8.9
Progression Factor			1.00	1,00	0.32	0.10
Incremental Delay, d2			0.4	0.1	0.3	0.6
Delay (s)			32.0	0.1	3.6	1.5
Level of Service			С	Α	A	Α
Approach Delay (s)	0.0			3.8	3.1	
Approach LOS	Α			Α	Α	
Intersection Summary						
HCM Average Control D			3.4	F	ICM Le	vel of Service
HCM Volume to Capacit			0.44			
Actuated Cycle Length (THE TAXABLE PARTY OF THE PARTY		110.0			ost time (s)
Intersection Capacity Ut	ilization		60.8%	10	CU Lev	el of Service
Analysis Period (min)			15			
c Critical Lane Group						

	•	→	*	•	-	•	4	†	<i>></i>	-	↓	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		_			ቕ			सी		***************************************		
Sign Control		Stop			Stop			Stop	_	_	Stop	_
Volume (vph)	0	0	0	0	516	64	51	390	0	0	0	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	0	0	0	561	70	55	424	0	0	0	0
Direction, Lane #	WB 1	NB 1										
Volume Total (vph)	630	479										www.ac.acracramasasters
Volume Left (vph)	0	55										
Volume Right (vph)	70	0										
Hadj (s)	-0.03	0.06										
Departure Headway (s)	5.4	5.8										
Degree Utilization, x	0.94	0.77										
Capacity (veh/h)	630	605										
Control Delay (s)	43.8	25.3										
Approach Delay (s)	43.8	25.3										
Approach LOS	E	D										
Intersection Summary												
Delay			35.8									
HCM Level of Service			E									
Intersection Capacity Ut	ilization	(61.1%	10	CU Leve	el of Sen	vice		В			
Analysis Period (min)	***************************************		15									

	≯	-	\rightarrow	F	•	←	*	₹ī	4	†	~	L♣
Lane Group	EBL	EBT	EBR	WBU	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU
Lane Configurations						47>			Ä	ተ ተጉ		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0		0		0		152	***************************************	0	With an Management Construction of
Storage Lanes	0		0		0		0		1		0	
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)				50	50	50		50	50	50		50
Trailing Detector (ft)				0	0	0		0	. 0	0	2	0
Turning Speed (mph)	15		9	9	15		9	9	15		9	9
Right Turn on Red			Yes				Yes				Yes	
Link Speed (mph)		30				30				30		
Link Distance (ft)		369				514				1103		
Travel Time (s)		8.4	_		_	11.7	_			25.1		-
Volume (vph)	0	0	0	1	8	5	7	4	355	1629	23	5
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Turn Type				Split	Split	<u>.</u>		Prot	Prot	_		Prot
Protected Phases				8	8	8		1	1	6		5
Permitted Phases					<u>.</u>	_		•		•		_
Detector Phases				8	8	8		1	1	6		5
Minimum Initial (s)				7.0	7.0	7.0		4.6	4.6	34.0		4.6
Minimum Split (s)				13.0	13.0	13.0		10.0	10.0	53.0	0.0	10.0
Total Split (s)	0.0	0.0	0.0	16.0	16.0	16.0	0.0	43.0	43.0	81.0	0.0	13.0
Total Split (%)	0.0%	0.0%	0.0%	14.5%	14.5%	14.5%	0.0%	39.1%			0.0%	200200000000000000000000000000000000000
Yellow Time (s)				4.0	4.0	4.0		3.0	3.0	3.0		3.0
All-Red Time (s)				2.0	2.0	2.0		2.0	2.0	2.0		2,0
Lead/Lag								Lead	Lead	Lead		Lag
Lead-Lag Optimize?				NI	NI	Manag		Yes	Yes	Yes		Yes
Recall Mode				None	None	None		None	иопе	C-Min		None
Intersection Summary												

Area Type: Other

Cycle Length: 110

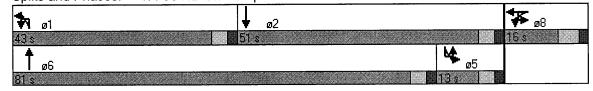
Actuated Cycle Length: 110

Offset: 109 (99%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 80

Control Type: Actuated-Coordinated

1: I-95 NB On Ramp & Chris Columbus Blvd. Splits and Phases:



3.0

2.0

Lag

Yes

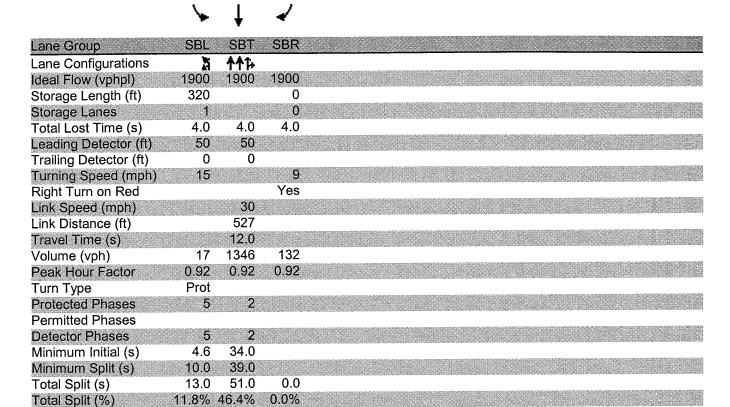
None C-Min

3.0

2.0

Lag

Yes



Intersection Summary

Lead-Lag Optimize?

Yellow Time (s)

All-Red Time (s)

Lead/Lag

Recall Mode

	٠	•	4	†	L#	↓	1	
Lane Group	EBL	EBR	NBL	NBT	SBU	SBT	SBR	
Lane Configurations	777	77	44	ተተተ	U	ተተጉ		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	
Storage Length (ft)	0	0	150		150		0	
Storage Lanes	2	2	2		1		0	
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Leading Detector (ft)	50	50	50	50	50	50		
Trailing Detector (ft)	0	0	0	0	0	0	wassers	
Turning Speed (mph)	15	9	15		9		9	
Right Turn on Red		Yes					Yes	
Link Speed (mph)	30			30		30		
Link Distance (ft)	589			1367		1103		
Travel Time (s)	13.4			31.1		25.1		
Volume (vph)	139	1233	459	1846	10	1239	110	
Peak Hour Factor	0.81	0.92	0.80	0.76	0.92	0.92	0.77	
Heavy Vehicles (%)	2%	2%	4%	4%	3%	3%	3%	
Turn Type		pt+ov	Prot		Perm			
Protected Phases	3	3 1	1	6		2		
Permitted Phases					2			
Detector Phases	3	3 1	1	6	2	2		
Minimum Initial (s)	20.0		25.0	27.0	27.0	27.0		
Minimum Split (s)	26.0		31.0	64.0	33.0	33.0		
Total Split (s)	37.0	68.0	31.0	73.0	42.0	42.0	0.0	
Total Split (%)		61.8%			38.2%		0.0%	
Yellow Time (s)	4.0		4.0	4.0	4.0	4.0		
All-Red Time (s)	2.0		2.0	2.0	2.0	2.0		
Lead/Lag			Lag		Lead	Lead		1000
Lead-Lag Optimize?			Yes		Yes	Yes		
Recall Mode	None		None	C-Min	C-Min	C-Min		
Intersection Summary								
	Other							
Cycle Length: 110	J							
	. 110							

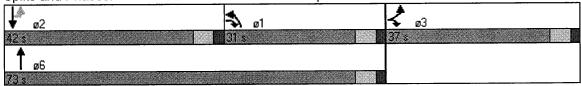
Actuated Cycle Length: 110

Offset: 29 (26%), Referenced to phase 2:SBTU and 6:NBT, Start of Green

Natural Cycle: 90

Control Type: Actuated-Coordinated

Splits and Phases: 2: I-676 On & I-676/95 Off Ramp & Chris Columbus Blvd.



	۶	→	•	•	←	•	4	†	-	/	ļ	4
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	ሻ	1→			€}>		7	ተ ተጉ		ሻ	ተ ተጉ	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		0	130		0	90		0
Storage Lanes	1		0	0		0	1		0	1		0
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50	50		50	50		50	50		50	50	
Trailing Detector (ft)	0	0		0	0		0	0		0	0	<u>_</u>
Turning Speed (mph)	15		9	15		9	15		9	15		9
Right Turn on Red			Yes	***************************************		Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		792			277			631			1367	
Travel Time (s)		18.0			6.3	-		14.3			31.1	054
Volume (vph)	250	0	93	15	3	0	183	2031	10	2	2233	254
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Turn Type	Perm			Perm	_		Prot	_		Prot	•	
Protected Phases		4		-	8		1	6		5	2	
Permitted Phases	4			8	<u>_</u>		•			_	^	
Detector Phases	4	4		8	8		1	6		5	2	
Minimum Initial (s)	10.0	10.0		10.0	10.0		7.0	20.0		7.0	20.0	
Minimum Split (s)	16.0	16.0		16.0	16.0		12.0	25.0	0.0	12.0	25.0	0.0
Total Split (s)	27.0	27.0	0.0	27.0	27.0	0.0	17.0	71.0	0.0	12.0	66.0	0.0
Total Split (%)	24.5%		0.0%	24.5%		0.0%	15.5%		0.0%	10.9%		0.0%
Yellow Time (s)	4.0	4.0		4.0	4.0		3.0	3.0		3.0	3.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lead/Lag							Lead	Lead		Lag	Lag	
Lead-Lag Optimize?				. .	A.I		Yes	Yes		Yes	Yes	
Recall Mode	None	None		None	None		None	C-Min		None	C-Min	

Area Type: Other

Cycle Length: 110
Actuated Cycle Length: 110

Offset: 30 (27%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 80

Control Type: Actuated-Coordinated

Splits and Phases: 3: Christian St. & Chris Columbus Blvd.



	۶	→	•	€	←	*	₽ì	1	†	1	-	ţ
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT
Lane Configurations	ሻ	4	7		44			ሕ ካ	ተ ተጉ		ሻ	ተተ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	13	12	12	16	12	12	12	12	12	10	13
Storage Length (ft)	0		0	0		0		300		0	150	
Storage Lanes	1		1	. 0		0		2		0	1	
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50	50	50	50	50		50	50	50		50	50 0
Trailing Detector (ft)	0	0	0	0	0	0	0	0	0	0	0 15	U
Turning Speed (mph)	15		9	15		9 Yes	9	15		9 Yes	15	
Right Turn on Red		20	Yes		30	168			30	169		30
Link Speed (mph)		30 130			507				821			631
Link Distance (ft)		3.0			11.5				18.7			14.3
Travel Time (s) Volume (vph)	599	3.0	329	20	2	4	21	291	1619	4	3	1576
Peak Hour Factor	0.80	0.92	0.92	0.69	0.69	0.69	0.92	0.92	0.92	0.92	0.89	0.89
Heavy Vehicles (%)	3%	2%	2%	0.03	0.00	0%	2%	2%	2%	2%	2%	2%
Turn Type	Split	2/0	Free	Split	0,0	5 / 0	Prot				Prot	
Protected Phases	8	8	1100	4	4		1	1	6		5	2
Permitted Phases	_	_	Free									
Detector Phases	8	8		4	4		1	1	6		5	2
Minimum Initial (s)	10.0	10.0		7.0	7.0		11.0	11.0	29.0		5.0	29.0
Minimum Split (s)	16.0	16.0		13.0	13.0		16.0	16.0	34.0		10.0	34.0
Total Split (s)	27.0	27.0	0.0	13.0	13.0	0.0	16.0	16.0	60.0	0.0	10.0	54.0
Total Split (%)	24.5%	24.5%	0.0%	11.8%	11.8%	0.0%	14.5%	14.5%	54.5%	0.0%		49.1%
Yellow Time (s)	4.0	4.0		4.0	4.0		3.0	3.0	3.0		3.0	3.0
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0	2.0		2.0	2.0
Lead/Lag							Lead	Lead	Lead		Lag	Lag
Lead-Lag Optimize?							Yes	Yes	Yes		Yes	Yes
Recall Mode	None	None		None	None		None	None	C-Min		Min	C-Min

Area Type: Other

Cycle Length: 110

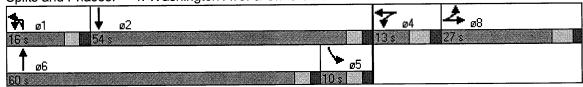
Actuated Cycle Length: 110

Offset: 32 (29%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 130

Control Type: Actuated-Coordinated

Splits and Phases: 4: Washington Ave. & Chris Columbus Blvd.





Lane Group	SBR	
Land Configurations	#	
Ideal Flow (vphpl)	1900	
Lane Width (ft)	12	
Storage Length (ft)	0	
Storage Lanes	1	
Total Lost Time (s)	4.0	
Leading Detector (ft)	50	
Trailing Detector (ft)	0	
Turning Speed (mph)	9	
Right Turn on Red	Yes	
Link Speed (mph)		
Link Distance (ft)		
Travel Time (s)		
Volume (vph)	779	
Peak Hour Factor	0.89	
Heavy Vehicles (%)	2%	
Turn Type	Free	
Protected Phases		
Permitted Phases	Free	
Detector Phases		
Minimum Initial (s)		
Minimum Split (s)		
Total Split (s)	0.0	
Total Split (%)	0.0%	
Yellow Time (s)		
All-Red Time (s)		
Lead/Lag Lead-Lag Optimize?		
Recall Mode		
Intersection Summary		

	*	-	•	•	←	*	4	†	/	L	/	ţ
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Lane Configurations	أبرأبر		7					ተተ _ጉ			Ă	ተተተ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		0	148		0		110	*****************
Storage Lanes	2		1	0		0	0		0		1	
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50		50					50		50	50	50
Trailing Detector (ft)	0		0		******************************			0		0	0	0
Turning Speed (mph)	15		9	15		9	15		9	9	15	
Right Turn on Red			Yes			Yes			Yes			
Link Speed (mph)		30			30			30				30
Link Distance (ft)		596			153			487				821
Travel Time (s)		13.5		-	3.5			11.1	_	-	^	18.7
Volume (vph)	412	0	325	0	0	0	0	1483	0	7	0	1923
Peak Hour Factor	0.94	0.92	0.95	0.92	0.92	0.92	0.92	0.92	0.92	0.44	0.92	0.97
Heavy Vehicles (%)	2%	2%	_2%	2%	2%	2%	2%	2%	2%	0%	0%	3%
Turn Type	Prot		Free					^		Prot	Prot	^
Protected Phases	3		_					6		5	5	2
Permitted Phases			Free					^		_	F	2
Detector Phases	3							6		5	5	
Minimum Initial (s)	10.0							35.0		7.0	7.0 12.0	35.0 52.0
Minimum Split (s)	16.0	~ ^	2.0	~ ^	2.0	~ ^ ^	~ ^ ^	40.0	0.0	12.0 21.0	21.0	76.0
Total Split (s)	34.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	0.0			69.1%
Total Split (%)	30.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0% 3.0	0.0%	19.1% 3.0	19.1%	3.0
Yellow Time (s)	4.0									2.0	2.0	2.0
All-Red Time (s)	2.0							2.0			Lead	2.0
Lead/Lag								Lag		Lead	Yes	
Lead-Lag Optimize?	N1							Yes C-Min		Yes None		C-Min
Recall Mode	None							O-MIN		NONE	NONE	O-IVIII I

Area Type: Other

Cycle Length: 110

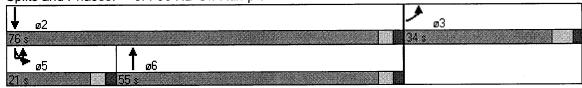
Actuated Cycle Length: 110

Offset: 84 (76%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 70

Control Type: Actuated-Coordinated

Splits and Phases: 5: I-95 NB Off Ramp & Chris Columbus Blvd.





Lane Group	SBR	
Land Configurations		
Ideal Flow (vphpl)	1900	
Storage Length (ft)	0	
Storage Lanes	0	
Total Lost Time (s)	4.0	
Leading Detector (ft)		
Trailing Detector (ft)		
Turning Speed (mph)	9	
Right Turn on Red	Yes	
Link Speed (mph)		
Link Distance (ft)		
Travel Time (s)		
Volume (vph)	0	
Peak Hour Factor	0.92	
Heavy Vehicles (%)	2%	
Turn Type		
Protected Phases		
Permitted Phases		
Detector Phases		
Minimum Initial (s)		
Minimum Split (s)	0.0	
Total Split (s)	0.0%	
Total Split (%) Yellow Time (s)	0.076	
All-Red Time (s)		
Lead/Lag		
Lead-Lag Optimize?		
Recall Mode		
Intersection Summary		

	•	→	\rightarrow	•	←	•	₹N	4	†	<i>></i>	Ŀ	/
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Lane Configurations	ሻ	ર્ન	7	ሻ	4			ă	ተ ተጉ			À
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	11	11	12	13	12	10	10	11	12	10	10
Storage Length (ft)	0		0	0		0		100		0		150
Storage Lanes	1		1	1		0	occusioni en	1		0		1
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50	50	50	50	50		50	50	50		50	50
Trailing Detector (ft)	0	0	0	0	0	_	0	0	0		0	0
Turning Speed (mph)	15		9	15		. 9	9	15		. 9	9	15
Right Turn on Red			Yes			Yes			•	Yes		
Link Speed (mph)		30			30				30			
Link Distance (ft)		625			893				453			
Travel Time (s)		14.2			20.3		40	404	10.3	40	4.4	07
Volume (vph)	218	38	128	41	37	41	19	131	1214	18	11	97 0.87
Peak Hour Factor	0.92	0.92	0.92	0.84	0.84	0.84	0.75	0.75	0.80	0.47 2 %	0.92 4%	0.67 4%
Heavy Vehicles (%)	2%	2%	2%	1%	1%	1%	2%	4%	2%	∠70	470 Prot	Prot
Turn Type	Split	•	Prot	Split			Prot	Prot	c		P101 5	710t 5
Protected Phases	3	3	3	7	7		1	1	6		ົ	J
Permitted Phases	•	^	•	7	7		1	1	6		5	5
Detector Phases	3	40.0	40.0	10.0	7 10.0		7.0	7.0	35.0		7.0	7.0
Minimum Initial (s)	10.0 16.0	10.0 16.0	10.0 16.0	16.0	16.0		12.0	12.0	40.0		12.0	12.0
Minimum Split (s)	16.0	16.0	16.0	16.0	16.0	0.0	18.0	18.0	58.0	0.0	20.0	20.0
Total Split (s)					14.5%			16.4%			18.2%	
Total Split (%)		4.0	4.0	4.0	4.0	U.U /0	3.0	3.0	3.0	0.070	3.0	3.0
Yellow Time (s)	4.0 2.0	2.0	2.0	2.0	2.0		2.0	2.0	2.0		2.0	2.0
All-Red Time (s)	2.0	∠.∪	2.0	2.0	2.0			Lag	Lag		Lead	Lead
Lead/Lag							Lag Yes	Yes	Yes		Yes	Yes
Lead-Lag Optimize? Recall Mode	None	None	None	None	None		None	None	C-Min		None	None
Necali Mode	None	NOHE	INOLIG	110116	INOITE		INDIE	140116	O-IVIII I		. 10110	. 10110

Area Type: Other

Cycle Length: 110

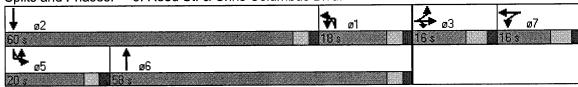
Actuated Cycle Length: 110

Offset: 83 (75%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 95

Control Type: Actuated-Coordinated

Splits and Phases: 6: Reed St. & Chris Columbus Blvd.



	¥	4
Lane Group	SBT	SBR
LanaConfigurations	ተተ ጉ	
Ideal Flow (vphpl)	1900	1900
Lane Width (ft)	10	12
Storage Length (ft)		0
Storage Lanes		0
Total Lost Time (s)	4.0	4.0
Leading Detector (ft)	50	
Trailing Detector (ft)	0	
Turning Speed (mph)		9
Right Turn on Red	00	Yes
Link Speed (mph)	30	
Link Distance (ft)	487	
Travel Time (s)	11.1	000
Volume (vph) Peak Hour Factor	1918 0.97	220 0.80
	0.97 3%	0.80
Heavy Vehicles (%) Turn Type	J /0	U /6
Protected Phases	2	
Permitted Phases	_	
Detector Phases	2	
Minimum Initial (s)	35.0	
Minimum Split (s)	40.0	
Total Split (s)	60.0	0.0
Total Split (%)	54.5%	0.0%
Yellow Time (s)	3.0	
All-Red Time (s)	2.0	

Lanes, Volumes, Timings

Lead/Lag

Recall Mode

Lead-Lag Optimize?

Intersection Summary

Lead

Yes

C-Min

	۶	-	\rightarrow	•	←	*	4	†	<i>></i>	/	ļ	4
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations						77		ተተ _ጉ	-	ليرايز	ት ጉ	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)						50		50		50	50	
Trailing Detector (ft)						0		0		0	0	
Turning Speed (mph)	15		9	15		9	15		9	15		9
Right Turn on Red			Yes			Yes			Yes		~~	Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		611			184			450			453	
Travel Time (s)	-	13.9			4.2	5 4	•	10.2	00	405	10.3	0.7
Volume (vph)	0	0	0	0	0	51	0	1328	39	125	1955	27 0.84
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.75	0.82	0.92	0.92 2%	0.84 2%	2%
Heavy Vehicles (%)	2%	2%	2%	2%	2%	2%	4%	4%	4%	2% Prot	2 %	∠70
Turn Type						Over		2		710t	6	
Protected Phases						ı		2		ı	U	
Permitted Phases						1		2		1	6	
Detector Phases	j.					4.0		35.0		4.0	35.0	
Minimum Initial (s) Minimum Split (s)						10.0		40.0		10.0	40.0	
Total Split (s)	0.0	0.0	0.0	0.0	0.0	22.0	0.0	88.0	0.0	22.0	110.0	0.0
Total Split (%)	0.0%	0.0%	0.0%	0.0%		20.0%		80.0%		20.0%1		0.0%
Yellow Time (s)	0.070	0.070	0.076	0.070	0.070	4.0	0.070	3.0	0.070	4.0	3.0	0.070
All-Red Time (s)						2.0		2.0		2.0	2.0	
Lead/Lag						Lag		Lead		Lag		
Lead-Lag Optimize?						Yes		Yes		Yes		
Recall Mode						None		C-Min		None	C-Min	

Area Type:

Cycle Length: 110

Actuated Cycle Length: 110

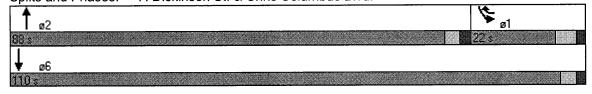
Offset: 50 (45%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 50

Control Type: Actuated-Coordinated

Splits and Phases: 7: Dickinson St. & Chris Columbus Blvd.

Other



	۶	-	\rightarrow	€	←	•	1	†	/	/	ţ	1
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		414			ર્ન	77		ተተ _ጉ		ሻ	∱ ∱	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50	50		50	50	50	50	50		50	50	
Trailing Detector (ft)	0	0		0	0	0	0	0		0	0	
Turning Speed (mph)	15		9	15		9	15		9	15		9
Right Turn on Red	******************************		Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		600			820			229			450	
Travel Time (s)	=-	13.6	400	70	18.6	404	4	5.2	70	405	10.2 1660	78
Volume (vph)	79	78	109	73	81	104	4	1176	78	125		0.99
Peak Hour Factor	0.89	0.89	0.89	0.92	0.92	0.92	0.92	0.92	0.92	0.92 Prot	0.99	0.99
Turn Type	Split			Split	8	pt+ov 8 1	Perm	2		P101	6	
Protected Phases	4	4		8	0	0 1	2				U	
Permitted Phases	4	4		8	8	8 1	2	2		1	6	
Detector Phases	10.0	10.0		10.0	10.0	UI	30.0	30.0		4.0	30.0	
Minimum Initial (s) Minimum Split (s)	16.0	16.0		16.0	16.0		35.0	35.0		9.0	35.0	
Total Split (s)	17.0	17.0	0.0	22.0	22.0	42.0	51.0	51.0	0.0	20.0	71.0	0.0
Total Split (%)	15.5%			20.0%						18.2%		0.0%
Yellow Time (s)	4.0	4.0	G.U/0	4.0	4.0	OO.L 70	3.0	3.0	0.0.0	3.0	3.0	
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	
Lead/Lag	_, _						Lead	Lead		Lag		
Lead-Lag Optimize?							Yes	Yes		Yes		
Recall Mode	None	None		None	None		C-Min	C-Min		None	C-Min	

Area Type: Other

Cycle Length: 110

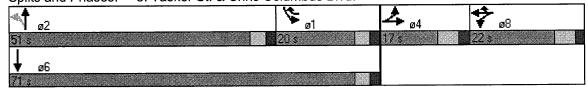
Actuated Cycle Length: 110

Offset: 80 (73%), Referenced to phase 2:NBTL and 6:SBT, Start of Green

Natural Cycle: 80

Control Type: Actuated-Coordinated

Splits and Phases: 8: Tasker St. & Chris Columbus Blvd.



	<i>></i>	\rightarrow	4	†	↓	4
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations			ሻ	ተተተ	ተተተ	₹
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0	0	0			100
Storage Lanes	0	0	1			1
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)			50	50	50	50
Trailing Detector (ft)			0	0	0	0
Turning Speed (mph)	15	9	15			9
Right Turn on Red		Yes				Yes
Link Speed (mph)	30			30	30	
Link Distance (ft)	197			126	229	
Travel Time (s)	4.5			2.9	5.2	
Volume (vph)	0	0	166	1258	1428	414
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Turn Type			Prot			Perm
Protected Phases			5	2	6	
Permitted Phases						6
Detector Phases			5	2	6	6
Minimum Initial (s)		***************************************	30.0	35.0	35.0	35.0
Minimum Split (s)			35.0	40.0	40.0	40.0
Total Split (s)	0.0	0.0	46.0	110.0	64.0	64.0
Total Split (%)	0.0%	0.0%	41.8%1	00.0%	58.2%	58.2%
Yellow Time (s)		2337-247-7-232-00-00-00-00-00	3.0	3.0	3.0	3.0
All-Red Time (s)			2.0	2.0	2.0	2.0
Lead/Lag			Lead		Lag	Lag
Lead-Lag Optimize?			Yes		Yes	Yes
Recall Mode			None	C-Min	C-Min	C-Min
Intersection Summary						
Area Type:	Other					
Cycle Length: 110						

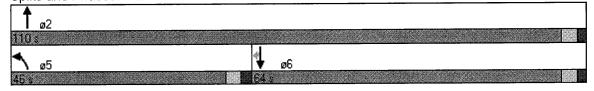
Actuated Cycle Length: 110

Offset: 107 (97%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 75

Control Type: Actuated-Coordinated

9: Morris St & Chris Columbus Blvd. Splits and Phases:



	→	-	•	•	←	•	•	†	/	-	ļ	1
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations				, , <u>-</u>				सी				
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Turning Speed (mph)	15		9	15		9	15		9	15		9
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		56			197			103			95	
Travel Time (s)		1.3			4.5			2.3			2.2	
Volume (vph)	0	0	0	0	516	64	51	390	0	0	0	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Sign Control		Stop			Stop			Stop			Stop	
Intersection Summary												
Area Type:	Other											
Control Type: Unsignali	zed											

	۶	→	*	•	←	*	₹î	1	†	/	>	↓
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT
Lane Configurations					414			ሻ	ተ ተጉ		ሻ	ተ ቀጉ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)					4.0			4.0	4.0		4.0	4.0
Lane Util. Factor					0.95			1.00	0.91		1.00	0.91
Frt	***************************************				0.94			1.00	0.99		1.00	0.99
Flt Protected					0.98			0.95	1.00		0.95	1.00
Satd. Flow (prot)					3313			1788	5035		1736	5045
Flt Permitted					0.98			0.95	1.00		0.95	1.00
Satd. Flow (perm)					3313			1788	5035		1736	5045
Volume (vph)	0	0	0	7	3	8	6	502	1044	59	27	1251
Peak-hour factor, PHF	0.92	0.92	0.92	0.64	0.64	0.64	0.25	0.95	0.82	0.66	0.65	0.85
Adj. Flow (vph)	0	0	0	11	5	12	24	528	1273	89	42	1472
RTOR Reduction (vph)	0	0	0	0	11	0	0	0	6	0	0	6
Lane Group Flow (vph)	0	0	0	0	17	0	0	552	1356	0	42	1561
Heavy Vehicles (%)	2%	2%	2%	0%	0%	0%	0%	1%	2%	2%	4%	2%
Turn Type				Split			Prot	Prot			Prot	
Protected Phases				8	8		1	1	6		5	2
Permitted Phases												
Actuated Green, G (s)					4.2			48.0	94.6		5.2	51.8
Effective Green, g (s)					6.2			49.0	95.6		6.2	52.8
Actuated g/C Ratio					0.05			0.41	0.80		0.05	0.44
Clearance Time (s)					6.0			5.0	5.0		5.0	5.0
Vehicle Extension (s)					3.0			3.0	3.0		3.0	3.0
Lane Grp Cap (vph)					171			730	4011		90	2220
v/s Ratio Prot					c0.01			c0.31	0.27		0.02	c0.31
v/s Ratio Perm												
v/c Ratio					0.10			0.76	0.34		0.47	0.70
Uniform Delay, d1					54.2			30.4	3.4		55.3	27.2
Progression Factor					1.00			0.83	0.75		1.00	1.00
Incremental Delay, d2					0.2			4.0	0.2		3.8	1.9
Delay (s)					54.5			29.3	2.7		59.1	29.1
Level of Service					D			С	Α		Ε	C
Approach Delay (s)		0.0		***************************************	54.5				10.4			29.9
Approach LOS		Α			D				В			С
Intersection Summary												
HCM Average Control D	elav		19.6	F	ICM Lev	el of Se	rvice		В			
HCM Volume to Capacit			0.69	•		· · · ·						
Actuated Cycle Length (120.0	Ç	ium of lo	st time	(s)		12.0			
Intersection Capacity Ut			69.9%		CU Leve				 C			
Analysis Period (min)			15	•					-			
c Critical Lane Group												
5 5.1.15d. Edilo 5.5dp												



Movement	SBR
L‡†\$ Configurations	1000
Ideal Flow (vphpl) Total Lost time (s)	1900
Lane Util. Factor	
Frt	
Fit Protected	
Satd. Flow (prot) Flt Permitted	
Satd. Flow (perm)	
Volume (vph)	79
Peak-hour factor, PHF	0.83 95
Adj. Flow (vph) RTOR Reduction (vph)	0
Lane Group Flow (vph)	
Heavy Vehicles (%)	0%
Turn Type Protected Phases	
Permitted Phases	
Actuated Green, G (s)	
Effective Green, g (s)	
Actuated g/C Ratio Clearance Time (s)	
Vehicle Extension (s)	
Lane Grp Cap (vph)	
v/s Ratio Prot	
v/s Ratio Perm v/c Ratio	
Uniform Delay, d1	
Progression Factor	
Incremental Delay, d2 Delay (s)	
Level of Service	
Approach Delay (s)	
Approach LOS	
Intersection Summary	

	۶	-	\rightarrow	•	•	•	₹ì	4	†	/	1	
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBL	SBT
Lane Configurations					4T>			ሻ	ት ትጉ		ሻ	ተ ቀኁ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		0		152		0	320	
Storage Lanes	0		0	0		0		1		0	1	
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)				50	50		50	50	50		50	50
Trailing Detector (ft)	***************************************			0	0		0	0	0		0	0
Turning Speed (mph)	15		9	15		9	9	15		9	15	
Right Turn on Red			Yes			Yes				Yes		20
Link Speed (mph)		30			30				30			30
Link Distance (ft)		369			514				1103			527 12.0
Travel Time (s)	_	8.4	•	7	11.7	0		F00	25.1	59	27	1251
Volume (vph)	0	0	0	7	3 0.64	8 0.64	6 0.25	502 0.95	1044 0.82	0.66	0.65	0.85
Peak Hour Factor	0.92	0.92	0.92	0.64			0.25	1%	2%	2%	4%	2%
Heavy Vehicles (%)	2%	2%	2%	0%	0%	0%	Prot	Prot		Z 70	Prot	∠ /0
Turn Type				Split 8	8		7 FIUL	710t	6		F101	2
Protected Phases				0	0		- 1	ı	U		J	2
Permitted Phases Detector Phases				8	8		1	1	6		5	2
Minimum Initial (s)				7.0	7.0		10.0	10.0	27.0		5.0	27.0
Minimum Split (s)				13.0	13.0		15.0	15.0	53.0		10.0	32.0
Total Split (s)	0.0	0.0	0.0	13.0	13.0	0.0	55.0	55.0	96.0	0.0	11.0	52.0
Total Split (%)	0.0%	0.0%		10.8%	10.8%		45.8%	45.8%		0.0%		43.3%
Yellow Time (s)	0.070	0.070	0.070	4.0	4.0	0.070	3.0	3.0	3.0		3.0	3.0
All-Red Time (s)				2.0	2.0		2.0	2.0	2.0		2.0	2.0
Lead/Lag							Lead	Lead	Lag		Lead	Lag
Lead-Lag Optimize?							Yes	Yes	Yes		Yes	Yes
Recall Mode				None	None		None	None	C-Min		None	C-Min

Intersection Summary Other

Area Type:

Cycle Length: 120

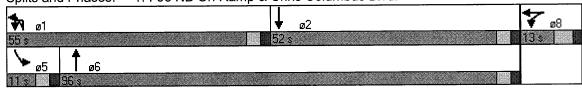
Actuated Cycle Length: 120

Offset: 106 (88%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 80

Control Type: Actuated-Coordinated

Splits and Phases: 1: I-95 NB On Ramp & Chris Columbus Blvd.

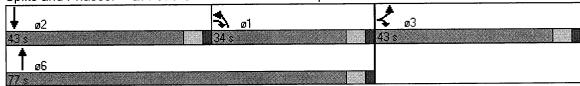




Lane Group	SBR	
Lane Group Lane Group	OUIN	
Ideal Flow (vphpl)	1900	
Storage Length (ft)	0	
Storage Lanes	0	
Total Lost Time (s)	4.0	
Leading Detector (ft)		
Trailing Detector (ft)		
Turning Speed (mph)	9	
Right Turn on Red	Yes	
Link Speed (mph)		
Link Distance (ft)		
Travel Time (s)	70	
Volume (vph)	79	
Peak Hour Factor	0.83 0%	
Heavy Vehicles (%) Turn Type	0%	
Protected Phases		
Permitted Phases		
Detector Phases		
Minimum Initial (s)		
Minimum Split (s)		
Total Split (s)	0.0	
Total Split (%)	0.0%	
Yellow Time (s)		
All-Red Time (s)		
Lead/Lag		
Lead-Lag Optimize?		
Recall Mode		
Intersection Summary		

	<i>></i>	•	4	†	↓	✓
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	ኻኻ	77	ሻሻ	ተተተ	ተተተ	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	0.97	0.88	0.97	0.91	0.91	
Frt	1.00	0.85	1.00	1.00	0.99	
Flt Protected	0.95	1,00	0.95	1.00	1.00	
Satd. Flow (prot)	3400	2814	3467	5085	5070	
Flt Permitted	0.95	1.00	0.95	1.00	1.00	
Satd. Flow (perm)	3400	2814	3467	5085	5070	
Volume (vph)	134	1213	634	1473	1162	104
Peak-hour factor, PHF	0.81	0.90	0.94	0.84	0.93	0.89
Adj. Flow (vph)	165	1348	674	1754	1249	117
RTOR Reduction (vph)	0	4	0	0	9	0
Lane Group Flow (vph)	165	1344	674	1754	1357	0
Heavy Vehicles (%)	3%	1%	1%	2%	1%	1%
Turn Type		pt+ov	Prot			
Protected Phases	3	3 1	1	6	2	
Permitted Phases						
Actuated Green, G (s)	31.5	66.3	28.8	76.5	41.7	
Effective Green, g (s)	33.5	68.3	30.8	78.5	43.7	
Actuated g/C Ratio	0.28	0.57	0.26	0.65	0.36	
Clearance Time (s)	6.0		6.0	6.0	6.0	
Vehicle Extension (s)	3.0		3.0	3.0	3.0	
Lane Grp Cap (vph)	949	1602	890	3326	1846	
v/s Ratio Prot	0.05	c0.48	0.19	0.34	c0.27	
v/s Ratio Perm						
v/c Ratio	0.17	0.84	0.76	0.53	0.74	
Uniform Delay, d1	32.8	21.3	41.2	11.0	33.1	
Progression Factor	1.00	1.00	0.71	0.52	0.27	
Incremental Delay, d2	0.1	4.0	2.6	0.4	2.0	
Delay (s)	32.9	25.4	31.7	6.1	10.7	
Level of Service	С	C	C	Α	В	
Approach Delay (s)	26.2			13.2	10.7	
Approach LOS	C			В	В	
Intersection Summary						
HCM Average Control D	elay		16.3	ŀ	HCM Lev	vel of Service B
HCM Volume to Capaci	ty ratio		0.80			
Actuated Cycle Length (120.0			ost time (s) 8.0
Intersection Capacity Ut			73.9%	I	CU Leve	el of Service D
Analysis Period (min)			15			
c Critical Lane Group						

	•	•	4	†	↓	4	
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR	
Lane Configurations	ሻሻ	77	ት ነት	ተተተ	ተተተ		
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	
Storage Length (ft)	0	0	150			0	
Storage Lanes	2	2	2			0	
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	· · · · · · · · · · · · · · · · · · ·
Leading Detector (ft)	50	50	50	50	50		
Trailing Detector (ft)	0	0	0	0	0		
Turning Speed (mph)	15	9	15			9	
Right Turn on Red		Yes				Yes	
Link Speed (mph)	30			30	30		
Link Distance (ft)	589			1367	1103		
Travel Time (s)	13.4			31.1	25.1		
Volume (vph)	134	1213	634	1473	1162	104	
Peak Hour Factor	0.81	0.90	0.94	0.84	0.93	0.89	The state of the s
Heavy Vehicles (%)	3%	1%	1%	2%	1%	1%	
Turn Type		pt+ov	Prot		_		
Protected Phases	3	3 1	1	6	2		
Permitted Phases				_	_		
Detector Phases	3	3 1	1	6	2		
Minimum Initial (s)	20.0		25.0	27.0	27.0		A CONTRACTOR OF THE PROPERTY O
Minimum Split (s)	26.0		31.0	64.0	33.0	~ ^	
Total Split (s)	43.0	77.0	34.0	77.0	43.0	0.0	
Total Split (%)	35.8%	64.2%				0.0%	
Yellow Time (s)	4.0		4.0	4.0	4.0		
All-Red Time (s)	2.0		2.0	2.0	2.0		
Lead/Lag			Lag		Lead		2 (200 CTO p. 1944
Lead-Lag Optimize?			Yes	~ N.	Yes		
Recall Mode	None		None	C-Min	C-Min		
Intersection Summary							
	Other						
Cycle Length: 120							
Actuated Cycle Length	: 120						
Offset: 19 (16%), Refe		o phase	2:SBT	and 6:N	IBT, Sta	rt of Gree	e n
Natural Cycle: 90							
Control Type: Actuated	d-Coordin	ated				n ann an a	
• •							
Splits and Phases: 2	2: I-676 C	n & I-6	76/95 O	ff Ram	p & Chri	s Columb	us Bl



	۶	→	*	•	-	•	•	†	<i>></i>	L♣	1	1
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Lane Configurations	ሻ	1>			4		ሻ	ተተ _ጉ			ሻ	ተተ _ጉ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0			4.0		4.0	4.0			4.0	4.0
Lane Util. Factor	1.00	1.00			1.00		1.00	0.91			1.00	0.91
Frt	1.00	0.86			0.98	····	1.00	1.00	***************************************		1.00	0.98
Flt Protected	0.95	1.00			0.96		0.95	1.00			0.95	1.00
Satd. Flow (prot)	1770	1629			1774	****	1805	5081			1805	5030
Flt Permitted	0.79	1.00			0.74		0.95	1.00			0.95	1.00
Satd. Flow (perm)	1471	1629			1355		1805	5081	-		1805	5030
Volume (vph)	157	2	142	13	2	2	172	1933	9	5	16	2025
Peak-hour factor, PHF	0.82	0.25	0.89	0.60	0.50	0.50	0.87	0.84	0.56	0.62	0.31	0.95
Adj. Flow (vph)	191	8	160	22	4	4	198	2301	16	8	52	2132
RTOR Reduction (vph)	0	132	0	0	3	0	0	1	0	0	0	17
Lane Group Flow (vph)	191	36	0	0	27	0	198	2316	0	0	60	2453
Heavy Vehicles (%)	2%	0%	0%	2%	0%	0%	0%	2%	0%	0%	0%	1%
Turn Type	Perm			Perm			Prot			Prot	Prot	_
Protected Phases	*******************************	4		***************************************	8		1	6		5	5	2
Permitted Phases	4			8								
Actuated Green, G (s)	19.1	19.1			19.1		17.0	74.6			10.3	67.9
Effective Green, g (s)	21.1	21.1			21.1		18.0	75.6			11.3	68.9
Actuated g/C Ratio	0.18	0.18			0.18		0.15	0.63			0.09	0.57
Clearance Time (s)	6.0	6.0			6.0		5.0	5.0			5.0	5.0
Vehicle Extension (s)	3.0	3.0			3.0		3.0	3.0			3.0	3.0
Lane Grp Cap (vph)	259	286			238		271	3201			170	2888
v/s Ratio Prot		0.02					c0.11	c0.46			0.03	c0.49
v/s Ratio Perm	c0.13				0.02						0.05	0.05
v/c Ratio	0.74	0.13			0.11		0.73	0.72			0.35	0.85
Uniform Delay, d1	46.8	41.7			41.6		48.7	15.1			50.9	21.2
Progression Factor	1.00	1.00			1.00		0.94	0.52			0.96	0.87
Incremental Delay, d2	10.4	0.2			0.2		7.5	1.1			0.7	2.0
Delay (s)	57.3	41.9			41.8		53.4	9.0			49.6	20.4
Level of Service	Ε	D			D		D	A			D	21.1
Approach Delay (s)		50.1			41.8			12.5				21.1
Approach LOS		D			D			В				С
Intersection Summary												
HCM Average Control D	elav		19.1	F	ICM Lev	rel of Se	ervice		В			
HCM Volume to Capacit			0.79									
Actuated Cycle Length (120.0	S	Sum of l	ost time	(s)		8.0			
Intersection Capacity Ut			77.7%			el of Ser			D			
Analysis Period (min)			15									
c Critical Lane Group												

c Critical Lane Group



Movement	SBR
L Configurations Ideal Flow (vphpl)	1900
Total Lost time (s)	1900
Lane Util. Factor	
Frt Flt Protected	
Satd. Flow (prot)	
Flt Permitted Satd. Flow (perm)	
Volume (vph)	328
Peak-hour factor, PHF	0.97
Adj. Flow (vph) RTOR Reduction (vph)	0
Lane Group Flow (vph)	
Heavy Vehicles (%)	1%
Turn Type Protected Phases	
Permitted Phases	
Actuated Green, G (s) Effective Green, g (s)	
Actuated g/C Ratio	
Clearance Time (s)	
Vehicle Extension (s) Lane Grp Cap (vph)	
v/s Ratio Prot	
v/s Ratio Perm v/c Ratio	
Uniform Delay, d1	
Progression Factor	
Incremental Delay, d2 Delay (s)	
Level of Service	
Approach Delay (s) Approach LOS	
Intersection Summary	
microcolon outlinary	

	۶	→	•	•	←	*	4	†	/	L	>	ļ
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Lane Configurations	ነጘ	4			4		7	ተተጉ			ሻ	ቀ ቀڼ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		0	130		0		90	
Storage Lanes	1		0	0		0	1		0		1	
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50	50		50	50		50	50		50	50	50
Trailing Detector (ft)	0	0		0	0		0	0		0	0	0
Turning Speed (mph)	15		9	15		9	15		9	9	15	
Right Turn on Red			Yes			Yes			Yes			
Link Speed (mph)		30			30			30				30
Link Distance (ft)		792			277			631				1367
Travel Time (s)		18.0			6.3			14.3	-	_		31.1
Volume (vph)	157	2	142	13	2	2	172	1933	9	_ 5	16	2025
Peak Hour Factor	0.82	0.25	0.89	0.60	0.50	0.50	0.87	0.84	0.56	0.62	0.31	0.95
Heavy Vehicles (%)	2%	0%	0%	2%	0%	0%	0%	2%	0%	0%	0%	1%
Turn Type	Perm			Perm			Prot	-		Prot	Prot	
Protected Phases		4			8		1	6		5	5	2
Permitted Phases	4			8						-	-	_
Detector Phases	4	4		8	8		_ 1	6		5	5	2
Minimum Initial (s)	10.0	10.0		10.0	10.0		7.0	20.0		7.0	7.0	20.0
Minimum Split (s)	16.0	16.0		16.0	16.0		12.0	25.0		12.0	12.0	25.0
Total Split (s)	27.0	27.0	0.0	27.0	27.0	0.0	22.0	80.0	0.0	13.0	13.0	71.0
Total Split (%)		22.5%	0.0%	22.5%	22.5%	0.0%		66.7%	0.0%		10.8%	
Yellow Time (s)	4.0	4.0		4.0	4.0		3.0	3.0		3.0	3.0	3.0
All-Red Time (s)	2.0	2.0		2.0	2.0		2.0	2.0		2.0	2.0	2.0
Lead/Lag							Lag	Lead		Lag	Lag	Lead
Lead-Lag Optimize?				• •			Yes	Yes		Yes	Yes	Yes
Recall Mode	None	None		None	None		None	C-Min		None	None	C-Min

Area Type: Other

Cycle Length: 120

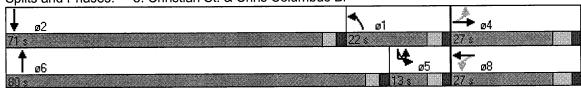
Actuated Cycle Length: 120

Offset: 4 (3%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 80

Control Type: Actuated-Coordinated

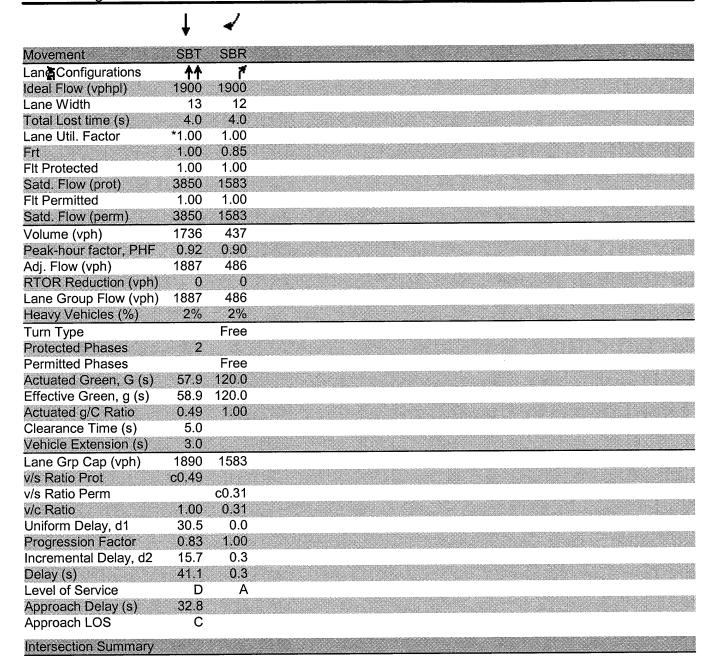
Splits and Phases: 3: Christian St. & Chris Columbus Bl





Lane Group	SBR	
Lane Group Lane Group	JUIN	
Ideal Flow (vphpl)	1900	
Storage Length (ft)	0	
Storage Lanes	0	
Total Lost Time (s)	4.0	
Leading Detector (ft)		
Trailing Detector (ft)		
Turning Speed (mph)	9	
Right Turn on Red	Yes	
Link Speed (mph)		
Link Distance (ft)		
Travel Time (s)		
Volume (vph)	328	
Peak Hour Factor	0.97	
Heavy Vehicles (%)	1%	
Turn Type		
Protected Phases		
Permitted Phases		
Detector Phases		
Minimum Initial (s)		
Minimum Split (s)	0.0	
Total Split (s) Total Split (%)	0.0%	
Yellow Time (s)	0.076	
All-Red Time (s)		
Lead/Lag		
Lead-Lag Optimize?		
Recall Mode		
Intersection Summary		

	1				←	1	<u> </u>	•	†	<i>></i>	L	$\overline{\ \ }$
	- mni	FDT	TOD.	T	WBT	WBR	NBU	, NBL	NBT	NBR	SBU	SBL
Movement	EBL	EBT	EBR	WBL	_	VVDR	NDU	TA	<u>ተ</u> ተጉ	INDIX	ODO	Ä
Lane Configurations	ኘ 1900	↔ 1900	ተ 1900	1900	4} 1900	1900	1900	1900	1900	1900	1900	1900
Ideal Flow (vphpl) Lane Width	12	13	12	1900	16	12	12	12	12	12	12	10
Total Lost time (s)	4.0	4.0	4.0	14	4.0	14	12	4.0	4.0	122	,-	4.0
Lane Util. Factor	0.95	0.91	0.95		1.00			0.97	0.91			1.00
Frt	1.00	1.00	0.85		0.95			1.00	1.00			1.00
Fit Protected	0.95	0.95	1.00		0.99			0.95	1.00			0.95
Satd. Flow (prot)	1665	1657	1504		2019			3433	5082			1652
Flt Permitted	0.95	0.95	1.00		0.99			0.95	1.00			0.95
Satd. Flow (perm)	1665	1657	1504		2019			3433	5082			1652
Volume (vph)	516	4	416	4	4	5	2	352	1589	3	6	0
Peak-hour factor, PHF	0.96	0.25	0.92	0.50	0.33	0.42	0.91	0.91	0.85	0.38	0.75	0.92
Adj. Flow (vph)	538	16	452	8	12	12	2	387	1869	8	8	0
RTOR Reduction (vph)	0	0	0	0	11	0	0	0	0	0	0	0
Lane Group Flow (vph)	270	284	452	0	21	0	0	389	1877	0	0	8
Heavy Vehicles (%)	3%	2%	2%	0%	0%	0%	2%	2%	2%	2%	2%	2%
Turn Type	Split		Free	Split			Prot	Prot			Prot	Prot
Protected Phases	8	8		. 4	4		1	1	6		5	5
Permitted Phases			Free									
Actuated Green, G (s)	22.1	22.1	120.0		4.2			13.8	66.5			5.2
Effective Green, g (s)	24.1	24.1	120.0		6.2		***************************************	14.8	67.5			6.2
Actuated g/C Ratio	0.20	0.20	1.00		0.05			0.12	0.56			0.05
Clearance Time (s)	6.0	6.0			6.0			5.0	5.0			5.0
Vehicle Extension (s)	3.0	3.0			3.0			3.0	3.0			3.0
Lane Grp Cap (vph)	334	333	1504		104			423	2859			85
v/s Ratio Prot	0.16	c0.17			0.01			c0.11	0.37			0.00
v/s Ratio Perm			0.30									
v/c Ratio	0.81	0.85	0.30		0.20			0.92	0.66			0.09
Uniform Delay, d1	45.7	46.2	0.0		54.5			52.0	18.2			54.2
Progression Factor	1.00	1.00	1.00		1.00			0.75	0.40			1.16
Incremental Delay, d2	13.4	18.6	0.5		0.9			20.7	0.9			0.3
Delay (s)	59.1	64.8	0.5		55.5 _			59.5	8.2			63.2
Level of Service	Е	Е	Α		E			Е	Α			Ε
Approach Delay (s)		34.4			55.5				17.0			
Approach LOS		С			Ε				В			
Intersection Summary												
HCM Average Control D	elay		26.9	Н	ICM Lev	el of Se	rvice		С			
HCM Volume to Capaci	ty ratio		0.89									
Actuated Cycle Length (120.0			ost time			12.0			***************************************
Intersection Capacity Ut	ilization		93.4%	10	CU Leve	el of Serv	/ice		F			
Analysis Period (min)			15									
c Critical Lane Group												



	•	→	\rightarrow	<	←	•	₽ſ	4	†	*	L.	/
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Lane Configurations	J.	4	7		4			አ ኘ	ተተኩ			Ä
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	12	13	12	12	16	12	12	12	12	12	12	10
Storage Length (ft)	0		0	0		0		300		0		150
Storage Lanes	1		1	0	····	0		2		0		1
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50	50	50	50	50		50	50	50		50	50
Trailing Detector (ft)	0	0	0	0	0	_	0	0	0	•	0	0
Turning Speed (mph)	15		9	15		9	9	15		. 9	9	15
Right Turn on Red			Yes			Yes				Yes		
Link Speed (mph)		30			30				30			
Link Distance (ft)		130			507				821			
Travel Time (s)		3.0		•	11.5	_	_	2-2	18.7	•	^	^
Volume (vph)	516	4	416	4	4	5	2	352	1589	3	6	0
Peak Hour Factor	0.96	0.25	0.92	0.50	0.33	0.42	0.91	0.91	0.85	0.38	0.75	0.92 2%
Heavy Vehicles (%)	3%	2%	2%	0%	0%	0%	2%	2%	2%	2%	2%	0.0000000000000000000000000000000000000
Turn Type	Split	_	Free	Split			Prot	Prot	^		Prot	Prot
Protected Phases	8	8	-	4	4		1	1	6		5	5
Permitted Phases	_	_	Free				4	A	6		5	E
Detector Phases	8	8		4	4		10.0	10.0	29.0		5.0	5 5.0
Minimum Initial (s)	10.0	10.0		7.0	7.0		10.0 15.0	15.0	29.0 34.0		10.0	10.0
Minimum Split (s)	16.0	16.0	0.0	13.0	13.0	^ ^	18.0	18.0	72.0	0.0	10.0	10.0
Total Split (s)	25.0	25.0	0.0	13.0	13.0	0.0%		15.0%		0.0%	8.3%	8.3%
Total Split (%)	20.8%		0.0%		10.8%	U.U%		3.0	3.0	U.U 76	3.0	3.0
Yellow Time (s)	4.0	4.0		4.0	4.0		3.0 2.0	2.0	3.0 2.0		2.0	2.0
All-Red Time (s)	2.0	2.0		2.0	2.0						Lead	Lead
Lead/Lag							Lag Yes	Lag Yes	Lag Yes		Yes	Yes
Lead-Lag Optimize?	Mone	None		None	None		None	None	C-Min		Min	Min
Recall Mode	None	None		NOHE	None		MOLIE	INOHE	O-MINI		IVIIII	IVIIII

Area Type:

Cycle Length: 120

Actuated Cycle Length: 120

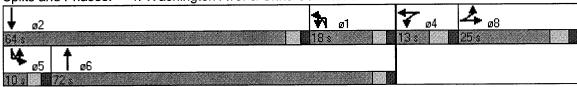
Offset: 6 (5%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 110

Control Type: Actuated-Coordinated

Splits and Phases: 4: Washington Ave. & Chris Columbus Bl

Other





Lane Group	SBT	SBR
LanaConfigurations	^	7
Ideal Flow (vphpl)	1900	1900
Lane Width (ft)	13	12
Storage Length (ft)		0
Storage Lanes		1
Total Lost Time (s)	4.0	4.0
Leading Detector (ft)	50	50
Trailing Detector (ft)	0	0
Turning Speed (mph)		9
Right Turn on Red		Yes
Link Speed (mph)	30	
Link Distance (ft)	631	
Travel Time (s)	14.3	
Volume (vph)	1736	437
Peak Hour Factor	0.92	0.90
Heavy Vehicles (%)	2%	2%
Turn Type		Free
Protected Phases	2	
Permitted Phases	,	Free
Detector Phases	2	
Minimum Initial (s)	29.0	
Minimum Split (s)	34.0	
Total Split (s)	64.0	0.0
Total Split (%)	53.3%	0.0%
Yellow Time (s)	3.0	
All-Red Time (s)	2.0	
Lead/Lag	Lead	
Lead-Lag Optimize?	Yes	
Recall Mode	C-Min	
Intersection Summary		
microccion ounimary		

	*	→	*	•	←	•	4	†	*	l.	>	ţ
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Lane Configurations	ሻሻ		7					ተ ተጉ			ă	ተተተ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	×,><:>:	4.0					4.0			4.0	4.0
Lane Util. Factor	0.97		1.00					0.91			1.00	*1.00
Frt	1.00		0.85	***************************************				1.00			1.00	1.00
Fit Protected	0.95		1.00					1.00			0.95	1.00
Satd. Flow (prot)	3433		1568					5085			1805	5644
Flt Permitted	0.95		1.00					1.00			0.95	1.00
Satd. Flow (perm)	3433		1568					5085			1805	5644
Volume (vph)	391	0	349	0	0	0	0	1520	0	24	0	2135
Peak-hour factor, PHF	0.76	0.92	0.72	0.92	0.92	0.92	0.92	0.92	0.92	0.26	0.26	0.96
Adj. Flow (vph)	514	0	485	0	0	0	0	1652	0	92	0	2224
RTOR Reduction (vph)	0	0	0	0	0	0	0	0	0	0	0	0
Lane Group Flow (vph)	514	0	485	0	0	0	0	1652	0	0	92	2224
Heavy Vehicles (%)	2%	2%	3%	2%	2%	2%	2%	2%	2%	0%	0%	1%
Turn Type	Prot		Free							Prot	Prot	
Protected Phases	3			***************************************				6		5	5	2
Permitted Phases			Free									
Actuated Green, G (s)	22.6		120.0			y		62.8			18.6	86.4
Effective Green, g (s)	24.6		120.0					63.8			19.6	87.4
Actuated g/C Ratio	0.21		1.00					0.53			0.16	0.73
Clearance Time (s)	6.0							5.0			5.0	5.0
Vehicle Extension (s)	3.0	*******************************						3.0			3.0	3.0
Lane Grp Cap (vph)	704		1568					2704			295	4111
v/s Ratio Prot	c0.15						******************	c0.32			0.05	c0.39
v/s Ratio Perm			0.31									
v/c Ratio	0.73		0.31					0.61			0.31	0.54
Uniform Delay, d1	44.6		0.0					19.5			44.3	7.3
Progression Factor	1.00		1.00					0.09			0.59	0.15
Incremental Delay, d2	3.9		0.5					0.5			0.3	0.3
Delay (s)	48.5		0.5	2-9-20-90-20-20-20-20-20-20-20-20-20-20-20-20-20				2.2			26.2	1.4
Level of Service	D		Α					Α			С	Α
Approach Delay (s)	***************************************	25.2			0.0			2.2				2.3
Approach LOS		С			Α			Α				Α
Intersection Summary												
HCM Average Control D	Delav		6.9	Н	CM Lev	rel of Se	rvice		Α			
HCM Volume to Capaci			0.62									
Actuated Cycle Length			120.0	S	um of lo	st time	(s)		8.0			
Intersection Capacity Ut		;	59.1%			l of Ser			В			
Analysis Period (min)			15									
c Critical Lane Group								-				



Movement	SBR
L††† Configurations	
Ideal Flow (vphpl)	1900
Total Lost time (s)	
Lane Util. Factor	
Frt	
Fit Protected	
Satd. Flow (prot)	
Fit Permitted	
Satd. Flow (perm)	
Volume (vph)	
Peak-hour factor, PHF	0.92
Adj. Flow (vph)	
RTOR Reduction (vph)	
Lane Group Flow (vph) Heavy Vehicles (%)	0%
	0 / 0
Turn Type Protected Phases	
Permitted Phases	
Actuated Green, G (s)	
Effective Green, g (s)	
Actuated g/C Ratio	
Clearance Time (s)	
Vehicle Extension (s)	
Lane Grp Cap (vph)	
v/s Ratio Prot	
v/s Ratio Perm	
v/c Ratio	
Uniform Delay, d1	
Progression Factor	
Incremental Delay, d2 Delay (s)	
Level of Service	
Approach Delay (s)	
Approach LOS	
•	
Intersection Summary	

	•		\rightarrow	•	←	*	1	†	/	L	-	ţ
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBU	SBL	SBT
Lane Configurations	1/1/		7					ተተ _ጉ			ă	ተተተ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Storage Length (ft)	0		0	0		0	148		0		110	
Storage Lanes	2		1	0		0	0		0		1	
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50		50					50		50	50	50
Trailing Detector (ft)	0		0		~~~~			0		0	0	0
Turning Speed (mph)	15		9	15		9	15		9	9	15	
Right Turn on Red			Yes	****		Yes			Yes			
Link Speed (mph)		30			30			30				30
Link Distance (ft)		596			153			500				821
Travel Time (s)		13.5			3.5		_	11.4	•	0.4	0	18.7
Volume (vph)	391	0	349	0	0	0	0	1520	0	24	0	2135
Peak Hour Factor	0.76	0.92	0.72	0.92	0.92	0.92	0.92	0.92	0.92	0.26	0.26	0.96
Heavy Vehicles (%)	2%	2%	_3%	2%	2%	2%	2%	2%	2%	0%	0%	1%
Turn Type	Prot		Free					^		Prot	Prot	2
Protected Phases	3		_					6		5	5	2
Permitted Phases			Free					^		E	_	2
Detector Phases	3							6 35.0		5	5 7.0	2 35.0
Minimum Initial (s)	10.0									7.0 12.0	12.0	52.0
Minimum Split (s)	16.0	~ ^	0.0	0.0	0.0	0.0	0.0	40.0 59.0	0.0	24.0	24.0	83.0
Total Split (s)	37.0	0.0	0.0	0.0	0.0	0.0	0.0			20.0%		
Total Split (%)	30.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	49.2%	0.0%	3.0	3.0	3.0
Yellow Time (s)	4.0							2.0		2.0	2.0	2.0
All-Red Time (s)	2.0							Lead		Lag	Lag	2.0
Lead/Lag								Yes		Yes	Yes	
Lead-Lag Optimize?	Nlan-							C-Min		None		C-Min
Recall Mode	None							O-IVIII I		INOING	INONE	O IVIII I

Area Type: Other

Cycle Length: 120

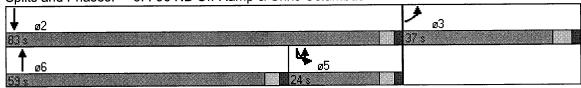
Actuated Cycle Length: 120

Offset: 2 (2%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 70

Control Type: Actuated-Coordinated

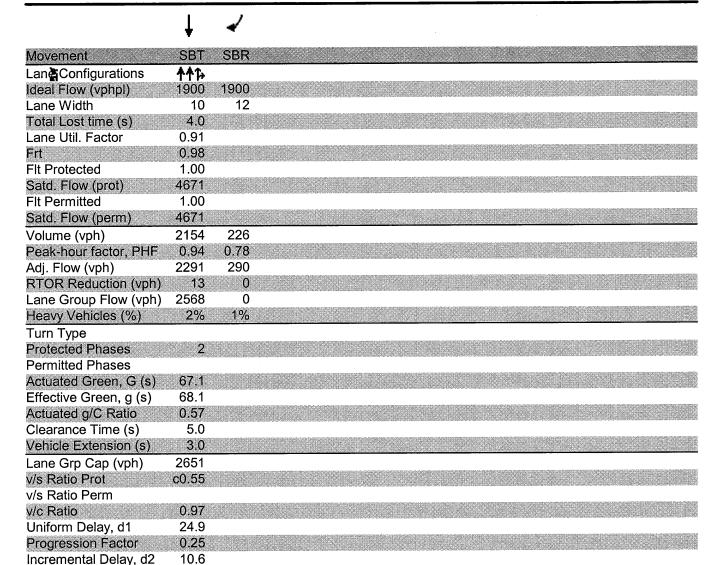
Splits and Phases: 5: I-95 NB Off Ramp & Chris Columbus Bl





Lane Group	SBR	
Land Configurations	יועט	
Ideal Flow (vphpl)	1900	
Storage Length (ft)	0	
Storage Lanes	0	
Total Lost Time (s)	4.0	
Leading Detector (ft)		
Trailing Detector (ft)		
Turning Speed (mph)	9	
Right Turn on Red	Yes	
Link Speed (mph)		
Link Distance (ft) Travel Time (s)		
Volume (vph)	0	
Peak Hour Factor	0.92	
Heavy Vehicles (%)	0%	
Turn Type		
Protected Phases		
Permitted Phases		
Detector Phases		
Minimum Initial (s)		
Minimum Split (s)		
Total Split (s)	0.0 0.0%	
Total Split (%) Yellow Time (s)	0.0%	
All-Red Time (s)		
Lead/Lag		
Lead-Lag Optimize?		
Recall Mode		
Intersection Summary		

	۶	→	*	•	+	4	₹N	4	†	<i>></i>	L	/
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Lane Configurations	ሻ	4	7	ሻ	44			ă	ተተ _ጉ			ħ
Ideal Flow (vphpl)	1900	1900	1900	1900	1900		1900	1900	1900	1900	1900	1900
Lane Width	11	11	11	12	13	12	10	10	11	12	10	10
Total Lost time (s)	4.0	4.0	4.0	4.0	4.0			4.0	4.0			4.0
Lane Util. Factor	0.95	0.95	1.00	0.95	0.95			1.00	0.91			1.00
Frt	1.00	1.00	0.85	1.00	0.91			1.00	1.00			1.00
Flt Protected	0.95	0.97	1.00	0.95	1.00			0.95	1.00			0.95
Satd. Flow (prot)	1625	1659	1561	1681	1694			1636	4899			1652
Flt Permitted	0.95	0.97	1.00	0.95	1.00			0.95	1.00			0.95
Satd. Flow (perm)	1625	1659	1561	1681	1694			1636	4899			1652
Volume (vph)	189	35	158	37	26	53	18	175	1277	20	2	119
Peak-hour factor, PHF	0.87	0.83	1.00	0.70	0.50		0.92	0.92	0.80	0.47	0.69	0.69
Adj. Flow (vph)	217	42	158	53	52	82	20	190	1596	43	3	172
RTOR Reduction (vph)	0	0	142	0	47	0	0	0	3	0	0	0
Lane Group Flow (vph)	126	133	16	53	87	0	0	210	1636	0	0	175
Heavy Vehicles (%)	2%	1%	0%	2%	0%	0%	3%	3%	2%	0%	2%	2%
Turn Type	Split	-	Prot	Split			Prot	Prot			Prot	Prot
Protected Phases	3	3	3	7	7		1	1	6		5	5
Permitted Phases												
Actuated Green, G (s)	10.1	10.1	10.1	5.7	5.7			15.1	46.5			35.7
Effective Green, g (s)	12.1	12.1	12.1	7.7	7.7			16.1	47.5			36.7
Actuated g/C Ratio	0.10	0.10	0.10	0.06	0.06			0.13	0.40			0.31
Clearance Time (s)	6.0	6.0	6.0	6.0	6.0			5.0	5.0			5.0
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0			3.0	3.0			3.0
Lane Grp Cap (vph)	164	167	157	108	109			219	1939			505
v/s Ratio Prot	0.08	c0.08	0.01	0.03	c0.05			c0.13	0.33			0.11
v/s Ratio Perm												
v/c Ratio	0.77	0.80	0.10	0.49	0.80			0.96	0.84			0.35
Uniform Delay, d1	52.6	52.7	49.0	54.3	55.4			51.6	32.9			32.3
Progression Factor	1.00	1.00	1.00	1.00	1.00			0.68	0.88			0.48
Incremental Delay, d2	19.2	22.5	0.3	3.5	32.9			46.8	4.4			0.4
Delay (s)	71.8	75.3	49.3	57.7	88.3			82.0	33.3			16.1
Level of Service	E	Ε	D	E	F		NATIONAL CONTRACTOR CONTRACTOR CONTRACTOR	F	С			В
Approach Delay (s)		64.4			79.6				38.8			
Approach LOS		E			E				D			
Intersection Summary												
HCM Average Control D	elay		30.6	Н	ICM Lev	el of Ser	vice		С	***************************************		
HCM Volume to Capacit	y ratio		0.93									
Actuated Cycle Length (s)		120.0			ost time (16.0			
Intersection Capacity Ut	ilization		84.6%	10	CU Leve	of Serv	ice		Е			
Analysis Period (min)			15			~~~				***************************************		
c Critical Lane Group												



Delay (s)

Level of Service

Approach LOS

Approach Delay (s)

16.8

16.7

В

В

	۶	-	•	€	←	•	₽Ĩ	4	†	<i>*</i>	L	-
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBU	NBL	NBT	NBR	SBU	SBL
Lane Configurations	*	4	7	¥	44+			ă	ተተ _ጉ			ă
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Width (ft)	11	11	11	12	13	12	10	10	11	12	10	10
Storage Length (ft)	0		0	0		0		314		0		150
Storage Lanes	1		1	1		0		1		0	_	1
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50	50	50	50	50		50	50	50		50	50
Trailing Detector (ft)	0	0	0	0	0		0	0	0		0	0
Turning Speed (mph)	15		9	15	***	9	9	15		. 9	9	15
Right Turn on Red			Yes			Yes				Yes		
Link Speed (mph)		30	***************************************		30				30			
Link Distance (ft)		625			893				453			
Travel Time (s)	***************************************	14.2			20.3				10.3		•	440
Volume (vph)	189	35	158	37	26	53	18	175	1277	20	2	119
Peak Hour Factor	0.87	0.83	1.00	0.70	0.50	0.65	0.92	0.92	0.80	0.47	0.69	0.69
Heavy Vehicles (%)	2%	1%	0%	2%	0%	0%	3%	3%	2%	0%	2%	2%
Turn Type	Split	_	Prot	Split	-		Prot	Prot	^		Prot	Prot
Protected Phases	3	3	3	7	7		1	1	6		5	5
Permitted Phases	_			-	-			4	^		5	5
Detector Phases	3	3	3	7	7		1	1	6		7.0	7.0
Minimum Initial (s)	10.0	10.0	10.0	5.0	5.0		7.0	7.0	35.0		12.0	12.0
Minimum Split (s)	16.0	16.0	16.0	11.0	11.0	0.0	12.0	12.0 20.0	40.0 67.0	0.0	26.0	26.0
Total Split (s)	16.0	16.0	16.0	11.0	11.0	0.0	20.0	16.7%			21.7%	
Total Split (%)		13.3%		9.2%	9.2%	0.0%	16.7%	3.0	3.0	0.0%	3.0	3.0
Yellow Time (s)	4.0	4.0	4.0	4.0	4.0		3.0 2.0	2.0	2.0		2.0	2.0
All-Red Time (s)	2.0	2.0	2.0	2.0	2.0				Lead			500000000000000000000000000000000000000
Lead/Lag							Lead Yes	Lead Yes	Yes		Lag Yes	Lag Yes
Lead-Lag Optimize?	None	None	None	Mone	None		None		C-Min		None	None
Recall Mode	None	None	None	None	None		None	None	O-IVIII)		NOHE	INOHE

Area Type: Other

Cycle Length: 120

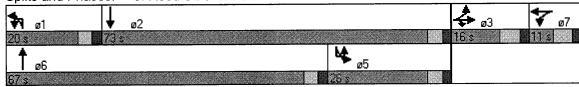
Actuated Cycle Length: 120

Offset: 16 (13%), Referenced to phase 2:SBT and 6:NBT, Start of Green

Natural Cycle: 110

Control Type: Actuated-Coordinated

Splits and Phases: 6: Reed St. & Chris Columbus Bl





	•	
Lane Group	SBT	SBR
Lan Configurations	ተ ተኩ	
Ideal Flow (vphpl)	1900	1900
Lane Width (ft)	10	12
Storage Length (ft)		0
Storage Lanes		0
Total Lost Time (s)	4.0	4.0
Leading Detector (ft)	50	
Trailing Detector (ft)	0	
Turning Speed (mph)	***************************************	9
Right Turn on Red		Yes
Link Speed (mph)	30	
Link Distance (ft)	500	
Travel Time (s)	11.4	
Volume (vph)	2154	226
Peak Hour Factor	0.94	0.78
Heavy Vehicles (%)	2%	1%
Turn Type		
Protected Phases	2	
Permitted Phases		
Detector Phases	2	
Minimum Initial (s)	35.0	
Minimum Split (s)	40.0	
Total Split (s)	73.0	0.0
Total Split (%)	60.8%	0.0%
Yellow Time (s)	3.0	
All-Red Time (s)	2.0	
Lead/Lag	Lag	
Lead-Lag Optimize?	Yes	
Recall Mode	C-Min	
Intersection Summary		
microccion ourinally		

	۶	→	7	*	4-	4	1	†	/	\	Ţ	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations						74.74		ተ ተጉ	-	ሻሻ	ት ጮ	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)						4.0		4.0		4.0	4.0	
Lane Util. Factor						0.88		0.91		0.97	0.95	
Frt						0.85		0.99		1.00	1.00	
Flt Protected						1.00		1.00		0.95	1.00 3539	
Satd. Flow (prot)						2787		5056 1.00		3433 0.95	1.00	
Fit Permitted						1.00 2787		5056		3433	3539	
Satd. Flow (perm)		0	<u> </u>	0		104	0	1386	60	295	2071	0
Volume (vph)	0	0 0.92	0 0.92	0.92	0 0.92	0.92	0.87	0.85	0.92	0.92	0.92	0.92
Peak-hour factor, PHF	0.92 0	0.92	0.92	0.92	0.92	113	0.07	1631	65	321	2251	0.02
Adj. Flow (vph) RTOR Reduction (vph)	0	0	0	0	0	67	0	2	0	0	0	Ö
Lane Group Flow (vph)	0	0	0	0	0	46	0	1694	0	321	2251	0
Turn Type						Over	-		-	Prot		
Protected Phases						1		2		1	6	
Permitted Phases												
Actuated Green, G (s)						15.4		93.6		15.4	120.0	
Effective Green, g (s)						17.4		94.6		17.4	120.0	
Actuated g/C Ratio						0.14		0.79		0.14	1.00	
Clearance Time (s)						6.0		5.0		6.0	5.0	
Vehicle Extension (s)						3.0		3.0		3.0	3.0	
Lane Grp Cap (vph)						404		3986		498	3539	
v/s Ratio Prot						0.02		0.33		0.09	c0.64	
v/s Ratio Perm								0.40		0.04	001	
v/c Ratio						0.11		0.42		0.64	0.64	
Uniform Delay, d1						44.6		4.0 0.28		48.4 1.07	0.0 1.00	
Progression Factor						1.00 0.1		0.20		1.07	0.3	
Incremental Delay, d2						44.7		1.4		52.9	0.3	
Delay (s) Level of Service						44.1 D		1. -		02.3 D	Α	
Approach Delay (s)		0.0			44.7	U		1.4		J	6.9	
Approach LOS		Α			D			Α			A	
• •		<i>,</i> ,										
Intersection Summary				-								
HCM Average Control D			5.7	Н	ICM Lev	vel of Se	ervice		Α			
HCM Volume to Capacit			0.64	^	£!	aat t!:	(0)		0.0			
Actuated Cycle Length (120.0			ost time el of Ser			0.0 B			
Intersection Capacity Uti	uzation		60.6% 15	10	JU Leve	ei ui ser	vice		D			
Analysis Period (min)			15									
c Critical Lane Group												

	۶	-	\rightarrow	•	-	•	1	†	/	1	ţ	4
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations						77		ተ ተጉ		44	ተ ኩ	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)						50		50		50	50	
Trailing Detector (ft)			***************************************			0		0	_	0	0	_
Turning Speed (mph)	15		9	15		9	15		9	15		9
Right Turn on Red			Yes			Yes			Yes		20	Yes
Link Speed (mph)		30			30			30			30 453	
Link Distance (ft)		611			184			450			453	
Travel Time (s)	^	13.9	^	^	4.2 0	104	0	10.2 1386	60	295	2071	0
Volume (vph)	0	0 0.92	0 0.92	0 0.92	0.92	0.92	0.87	0.85	0.92	0.92	0.92	0.92
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92 Over	0.07	0.00	U.3Z	Prot	0.02	0.52
Turn Type Protected Phases						1		2		1 100	6	
Permitted Phases								-		•	J	
Detector Phases						1		2		1	6	
Minimum Initial (s)						4.0		35.0		4.0	35.0	
Minimum Split (s)						10.0		40.0		10.0	40.0	
Total Split (s)	0.0	0.0	0.0	0.0	0.0	34.0	0.0	86.0	0.0	34.0	120.0	0.0
Total Split (%)	0.0%	0.0%	0.0%	0.0%	0.0%	28.3%	0.0%	71.7%	0.0%	28.3%1	00.0%	0.0%
Yellow Time (s)						4.0		3.0		4.0	3.0	
All-Red Time (s)						2.0		2.0		2.0	2.0	
Lead/Lag						Lead		Lag		Lead		
Lead-Lag Optimize?						Yes		Yes		Yes		
Recall Mode						None		C-Min		None	C-Min	

Area Type: Other

Cycle Length: 120

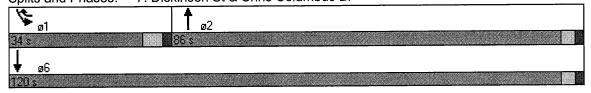
Actuated Cycle Length: 120

Offset: 81 (68%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 50

Control Type: Actuated-Coordinated

Splits and Phases: 7: Dickinson St & Chris Columbus BI



	۶	-	\rightarrow	•	←	•	4	†	<i>></i>	/	↓	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		414			4	77		ተ ቀጉ		`	ተ ኈ	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.0	**************************************		4.0	4.0		4.0		4.0	4.0	
Lane Util, Factor		0.95			1.00	0.88		0.91		1.00	0.95	
Frt		0.94			1.00	0.85		0.98		1.00	0.99	
Fit Protected		0.99			0.97	1.00		1.00		0.95	1.00	
Satd. Flow (prot)		3288			1800	2682		4998		1805	3550	*****************
FIt Permitted		0.99			0.97	1.00		1.00		0.95	1.00	
Satd. Flow (perm)		3288			1800	2682		4998		1805	3550	
Volume (vph)	91	108	120	146	109	164	0	1193	119	98	1887	85
Peak-hour factor, PHF	0.91	0.83	0.78	0.61	0.77	0.94	0.75	0.88	0.58	0.92	0.94	0.82
Adj. Flow (vph)	100	130	154	239	142	174	0	1356	205	107	2007	104
RTOR Reduction (vph)	0	65	0	0	0	72	0	16	0	0	3	0
Lane Group Flow (vph)	0	319	0	0	381	102	0	1545	0	107	2108	0
Heavy Vehicles (%)	1%	0%	4%	2%	3%	6%	1%	2%	0%	0%	1%	0%
Turn Type	Split			Split		pt+ov				Prot		
Protected Phases	4	4		8	8	8 1		2		1	6	
Permitted Phases												
Actuated Green, G (s)		10.0			23.0	40.2	***************************************	53.8		11.2	70.0	
Effective Green, g (s)		12.0			25.0	41.2		54.8		12.2	71.0	
Actuated g/C Ratio	~~~	0.10			0.21	0.34		0.46		0.10	0.59	
Clearance Time (s)		6.0			6.0			5.0		5.0	5.0	
Vehicle Extension (s)		3.0			3.0			3.0		3.0	3.0	
Lane Grp Cap (vph)		329			375	921		2282		184	2100	
v/s Ratio Prot	~~~	c0.10			c0.21	0.04		0.31		0.06	c0.59	
v/s Ratio Perm												
v/c Ratio	**************************************	0.97			1.02	0.11		0.68		0.58	1.00	
Uniform Delay, d1		53.8			47.5	26.9		25.6		51.5	24.5	
Progression Factor		1.00			1.00	1.00		1.00		1.03	0.85	
Incremental Delay, d2		41.5			50.6	0.1		1.6		3.6	18.1	
Delay (s)		95.3			98.1	27.0		27.2		56.4	38.8	
Level of Service		F			F	С		07.0		E	D	
Approach Delay (s)		95.3			75.8			27.2			39.7 D	
Approach LOS		F			E			U			ע	
Intersection Summary												
HCM Average Control D	elay		44.3	H	ICM Le	vel of Se	ervice		D			
HCM Volume to Capacit	y ratio		1.00									
Actuated Cycle Length (s)		120.0			ost time			12.0			
Intersection Capacity Ut	ilization		88.2%	j(CU Leve	el of Ser	vice		Е			
Analysis Period (min)			15									
c Critical Lane Group												

	۶	-	•	•	←	•	1	†	_	/	Į.	4
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4î>			ર્ન	77		ተተ _ጉ		ሻ	ሶ ጉ	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Leading Detector (ft)	50	50		50	50	50		50		50	50	
Trailing Detector (ft)	0	0		0	0	0		0		0	0	2.0200000000000000000000000000000000000
Turning Speed (mph)	15		9	15		9	15		9	15		9
Right Turn on Red			Yes			Yes			Yes			Yes
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		600			820			229			450	
Travel Time (s)		13.6			18.6		_	5.2	4.46		10.2	0.5
Volume (vph)	91	108	120	146	109	164	0	1193	119	98	1887	85
Peak Hour Factor	0.91	0.83	0.78	0.61	0.77	0.94	0.75	0.88	0.58	0.92	0.94	0.82
Heavy Vehicles (%)	1%	0%	4%	2%	3%	6%	1%	2%	0%	0%	1%	0%
Turn Type	Split			Split		pt+ov		_		Prot	_	
Protected Phases	4	4		8	8	8 1		2		1	6	
Permitted Phases				_	_						_	
Detector Phases	4	4	2,400,000,000,000,000	8	8	8 1		2		. 1	6	
Minimum Initial (s)	10.0	10.0		10.0	10.0			30.0		4.0	30.0	
Minimum Split (s)	16.0	16.0		16.0	16.0			35.0		9.0	35.0	
Total Split (s)	16.0	16.0	0.0	29.0	29.0	47.0	0.0	57.0	0.0	18.0	75.0	0.0
Total Split (%)	13.3%	13.3%	0.0%		24.2%	39.2%	0.0%		0.0%	15.0%		0.0%
Yellow Time (s)	4.0	4.0		4.0	4.0			3.0		3.0	3.0	
All-Red Time (s)	2.0	2.0		2.0	2.0			2.0		2.0	2.0	
Lead/Lag								Lag		Lead		
Lead-Lag Optimize?								Yes		Yes		
Recall Mode	None	None		None	None			C-Min		None	C-Min	

Area Type:

Cycle Length: 120

Actuated Cycle Length: 120

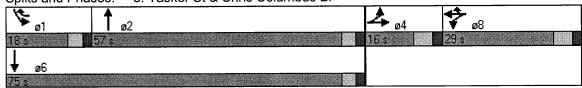
Offset: 76 (63%), Referenced to phase 2:NBT and 6:SBT, Start of Green

Natural Cycle: 130

Control Type: Actuated-Coordinated

Splits and Phases: 8: Tasker St & Chris Columbus Bl

Other



	ၨ	•	4	†	↓	4	
Movement	EBL	EBR	NBL	NBT	SBT	SBR	
Lane Configurations			<u>ነ</u> ኝ	ተተተ	*	7	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	
Total Lost time (s)	1000	,,,,,	4.0	4.0	4.0	4.0	
Lane Util. Factor			1.00	0.91	0.91	1.00	
Frt			1.00	1.00	1.00	0.85	
Flt Protected			0.95	1.00	1.00	1.00	
Satd. Flow (prot)			1770	5085	5085	1583	
Flt Permitted			0.95	1.00	1.00	1.00	
Satd. Flow (perm)			1770	5085	5085	1583	
Volume (vph)	0	0	140	1312	1675	478	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	
Adj. Flow (vph)	0	0	152	1426	1821	520	
RTOR Reduction (vph)	0	0	0	0	0	0	
Lane Group Flow (vph)	0	0	152	1426	1821	520	
Turn Type			Prot	_	<u>_</u>	Free	
Protected Phases			5	2	6	-	
Permitted Phases				400.0	75.0	Free	
Actuated Green, G (s)			35.0	120.0	75.0	120.0	
Effective Green, g (s)			36.0	120.0	76.0	120.0	
Actuated g/C Ratio			0.30	1.00	0.63	1.00	
Clearance Time (s)			5.0	5.0	5.0		
Vehicle Extension (s)			3.0	3.0	3.0	4502	
Lane Grp Cap (vph)			531	5085	3221	1583	
v/s Ratio Prot			0.09	0.28	c0.36	c0.33	
v/s Ratio Perm			0.29	0.28	0.57	0.33	
v/c Ratio			32.2	0.0	12.6	0.0	
Uniform Delay, d1 Progression Factor			1.00	1.00	0.34	1.00	
Incremental Delay, d2			0.3	0.1	0.34	0.1	
Delay (s)			32.5	0.1	4.3	0.1	
Level of Service			52.5 C	υ.,	4.5 A	Α.	
Approach Delay (s)	0.0		J	3.3	3.4		
Approach LOS	Α			Α.	A		
• •	/ ۱			, ,	, ,		
Intersection Summary	-				1016:		
HCM Average Control D			3.3	F	ICM Le	vel of Service	
HCM Volume to Capacit			0.48				
Actuated Cycle Length (120.0			ost time (s)	
Intersection Capacity Ut	ilization	(38.2%	l	CU Leve	el of Service	
Analysis Period (min)			15				
c Critical Lane Group							

	•	•	4	†	↓	4	
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR	
Lane Configurations			ነ	ተተተ	<u>ተ</u> ተተ	7*	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	
Storage Length (ft)	0	0	120			100	
Storage Lanes	0	0	1			1	
Total Lost Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	
Leading Detector (ft)			50	50	50	50	
Trailing Detector (ft)			0	0	0	0	
Turning Speed (mph)	15	9	15			9	
Right Turn on Red	***************************************	Yes				Yes	
Link Speed (mph)	30			30	30		
Link Distance (ft)	197			126	229		
Travel Time (s)	4.5			2.9	5.2		
Volume (vph)	0	0	140	1312	1675	478	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	
Turn Type			Prot			Free	
Protected Phases			5	2	6		
Permitted Phases						Free	
Detector Phases			5	2	6		
Minimum Initial (s)			35.0	35.0	35.0		V000000 VVVVV
Minimum Split (s)			40.0	40.0	40.0		
Total Split (s)	0.0	0.0	56.0	120.0	64.0	0.0	
Total Split (%)	0.0%	0.0%	46.7%1	00.0%	53.3%	0.0%	
Yellow Time (s)		2236-065-062-03-02-02-02-02-02-02-02-02-02-02-02-02-02-	3.0	3.0	3.0	***************************************	
All-Red Time (s)			2.0	2.0	2.0		
_ead/Lag			Lead		Lag		
Lead-Lag Optimize?			Yes		Yes		
Recall Mode			None	C-Min	C-Min		
Later Concession							
Intersection Summary	O#					-	
71	Other						
Cycle Length: 120	. 400						
Actuated Cycle Length			O NIDT		DT 01	4 -6 0	
Offset: 81 (68%), Refe	rencea to	pnase	Z:NB1	and 6.5i	o i , Stai	t of Gree	41
Natural Cycle: 80	I ^!	-1-J					
Control Type: Actuated	-Coordina	ated					
Splits and Phases: 9	: Morris S	8t. & Ch	ris Colu	ımbus E	31		
† _							·
ø2							

ø6

	۶	→	•	•	-	•	4	†	<i>></i>	>	ļ	4
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					1			ર્ન				
Sign Control		Stop			Stop			Stop			Stop	
Volume (vph)	0	0	0	0	548	70	74	680	0	0	0	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	0	0	0	0	596	76	80	739	0	0	0	0
Direction, Lane #	WB 1	NB 1										
Volume Total (vph)	672	820										
Volume Left (vph)	0	80										
Volume Right (vph)	76	0										
Hadj (s)	-0.03	0.05										
Departure Headway (s)	5.7	5.8				and the second s						
Degree Utilization, x	1.07	1.33										
Capacity (veh/h)	639	631										
Control Delay (s)	79.5	176.3										
Approach Delay (s)	79.5	176.3										
Approach LOS	F	F										
Intersection Summary												
Delay			132.7									
HCM Level of Service			F									
Intersection Capacity Uti	lization		79.6%	10	CU Leve	el of Ser	vice		D			
Analysis Period (min)			15									

	<i>></i>		*	•	←	•	•	†	1	\	ļ	4
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					î,			स				
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Turning Speed (mph)	15		9	15		9	15		9	15	····	9
Link Speed (mph)		30			30			30			30	
Link Distance (ft)		51			197			103		***************************************	108	
Travel Time (s)		1.2			4.5			2.3			2.5	
Volume (vph)	0	0	0	0	548	70	74	680	0	0	0	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Sign Control		Stop			Stop			Stop			Stop	
Intersection Summary												
Area Type:	Other											
Control Type: Unsignali	zed											