

CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 3, RINALDI ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	111	0	26	14
EASTBOUND	0	0	0	0
NORTHBOUND	0	3340	44	28
SOUTHBOUND	29	1867	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	0	0	0	0	0	0
NORTHBOUND	0	0	2	0	1	0	3
SOUTHBOUND	1	0	2	0	0	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	N/A	N/A	N/A	N/A	N/A	N/A
NORTHBOUND	N/A	N/A	1670	N/A	44	N/A
SOUTHBOUND	29	N/A	934	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 56
 NORTH-SOUTH CRITICAL VOLUMES 1699

 THE SUM OF CRITICAL VOLUMES 1755
 NUMBER OF CRITICAL CLEARANCE INTERVALS 2
 CMA VALUE 1.170
 LEVEL OF SERVICE F

Capacity used = 1500.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 3, RINALDI ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITH TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	84	0	19	12
EASTBOUND	0	0	0	0
NORTHBOUND	0	3340	35	21
SOUTHBOUND	24	1867	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT		L/T/R SHARED	TOTAL LANES
				SHARED	ONLY		
WESTBOUND	1	0	0	0	1	1	3
EASTBOUND	0	0	0	0	0	0	0
NORTHBOUND	0	0	2	0	1	0	3
SOUTHBOUND	1	0	2	0	0	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT		L/T/R SHARED
				SHARED	ONLY	
WESTBOUND	42	42	N/A	N/A	19	N/A
EASTBOUND	N/A	N/A	N/A	N/A	N/A	N/A
NORTHBOUND	N/A	N/A	1670	N/A	35	N/A
SOUTHBOUND	24	N/A	934	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 42
 NORTH-SOUTH CRITICAL VOLUMES 1694

 THE SUM OF CRITICAL VOLUMES 1736
 NUMBER OF CRITICAL CLEARANCE INTERVALS 2*
 CMA VALUE 1.057
 LEVEL OF SERVICE F

* Includes CMA value decreased due to ATCS Implementation.

Capacity used = 1500.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 4, TULSA ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	1	0	67	0
EASTBOUND	0	0	0	0
NORTHBOUND	0	1817	0	23
SOUTHBOUND	0	2923	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	0	0	0	0	1	1
NORTHBOUND	1	0	2	0	1	0	4
SOUTHBOUND	0	0	2	0	1	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	N/A	N/A	N/A	N/A	N/A	0
NORTHBOUND	0	N/A	908	N/A	0	N/A
SOUTHBOUND	N/A	N/A	1462	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES 68
 NORTH-SOUTH CRITICAL VOLUMES 1462

 THE SUM OF CRITICAL VOLUMES 1530
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.275
 LEVEL OF SERVICE F

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 4, TULSA ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	1	0	94	0
EASTBOUND	0	0	0	0
NORTHBOUND	0	1989	0	23
SOUTHBOUND	0	3051	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	0	0	0	0	1	1
NORTHBOUND	1	0	2	0	1	0	4
SOUTHBOUND	0	0	2	0	1	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	N/A	N/A	N/A	N/A	N/A	0
NORTHBOUND	0	N/A	994	N/A	0	N/A
SOUTHBOUND	N/A	N/A	1526	N/A	0	N/A

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EAST-WEST CRITICAL VOLUMES ..... 95
NORTH-SOUTH CRITICAL VOLUMES ..... 1526
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THE SUM OF CRITICAL VOLUMES ..... 1621

NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0

CMA VALUE ..... 1.351

LEVEL OF SERVICE ..... F
  
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Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 4, TULSA ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	1	0	0	87
EASTBOUND	0	0	0	0
NORTHBOUND	0	1946	23	0
SOUTHBOUND	0	3019	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	0	0	0	0	1	1
NORTHBOUND	1	0	2	0	1	0	4
SOUTHBOUND	0	0	2	0	1	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	N/A	N/A	N/A	N/A	N/A	0
NORTHBOUND	0	N/A	973	N/A	23	N/A
SOUTHBOUND	N/A	N/A	1510	N/A	0	N/A

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EAST-WEST CRITICAL VOLUMES ..... 1
NORTH-SOUTH CRITICAL VOLUMES ..... 1510
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THE SUM OF CRITICAL VOLUMES ..... 1511

NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0

CMA VALUE ..... 1.259

LEVEL OF SERVICE ..... F

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Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 4, TULSA ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	3	0	18	0
EASTBOUND	0	0	0	0
NORTHBOUND	0	3326	18	10
SOUTHBOUND	32	1839	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	0	0	0	0	1	1
NORTHBOUND	1	0	2	0	1	0	4
SOUTHBOUND	1	0	2	0	1	0	4

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	N/A	N/A	N/A	N/A	N/A	0
NORTHBOUND	0	N/A	1663	N/A	18	N/A
SOUTHBOUND	32	N/A	920	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES 21
 NORTH-SOUTH CRITICAL VOLUMES 1695

 THE SUM OF CRITICAL VOLUMES 1716
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.430
 LEVEL OF SERVICE F

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 4, TULSA ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	3	0	27	0
EASTBOUND	0	0	0	0
NORTHBOUND	0	3383	13	15
SOUTHBOUND	46	1932	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	0	0	0	0	1	1
NORTHBOUND	1	0	2	0	1	0	4
SOUTHBOUND	1	0	2	0	1	0	4

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	N/A	N/A	N/A	N/A	N/A	0
NORTHBOUND	0	N/A	1692	N/A	13	N/A
SOUTHBOUND	46	N/A	966	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES 30
 NORTH-SOUTH CRITICAL VOLUMES 1738

 THE SUM OF CRITICAL VOLUMES 1768
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.473
 LEVEL OF SERVICE F

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 4, TULSA ST. & DE SOTO AV.
 DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
 CASE: FUTURE (2007) WITH TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	3	0	25	0
EASTBOUND	0	0	0	0
NORTHBOUND	0	3369	16	12
SOUTHBOUND	0	1953	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	1	0	0	0	1	0	2
EASTBOUND	0	0	0	0	0	1	1
NORTHBOUND	1	0	2	0	1	0	4
SOUTHBOUND	1	0	2	0	1	0	4

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
WESTBOUND	3	N/A	N/A	N/A	25	N/A
EASTBOUND	N/A	N/A	N/A	N/A	N/A	0
NORTHBOUND	0	N/A	1684	N/A	16	N/A
SOUTHBOUND	0	N/A	976	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES 25
 NORTH-SOUTH CRITICAL VOLUMES 1684

 THE SUM OF CRITICAL VOLUMES 1709
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.424
 LEVEL OF SERVICE F

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 5, CHATSWORTH ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	26	248	0	153
EASTBOUND	202	308	46	0
NORTHBOUND	30	1402	17	0
SOUTHBOUND	315	2101	345	101

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	1	0	1	1	0	0	3
NORTHBOUND	1	0	2	1	0	0	4
SOUTHBOUND	1	0	2	0	1	0	4

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	202	N/A	177	177	N/A	N/A
NORTHBOUND	30	N/A	473	473	N/A	N/A
SOUTHBOUND	315	N/A	1050	N/A	345	N/A

EAST-WEST CRITICAL VOLUMES 450
 NORTH-SOUTH CRITICAL VOLUMES 1080

 THE SUM OF CRITICAL VOLUMES 1530
 NUMBER OF CRITICAL CLEARANCE INTERVALS 3
 CMA VALUE 1.074
 LEVEL OF SERVICE F

Capacity used = 1425.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 5, CHATSWORTH ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	26	248	0	193
EASTBOUND	229	308	46	0
NORTHBOUND	30	1508	17	0
SOUTHBOUND	358	2169	349	114

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	1	0	1	1	0	0	3
NORTHBOUND	1	0	2	1	0	0	4
SOUTHBOUND	1	0	2	0	1	0	4

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	229	N/A	177	177	N/A	N/A
NORTHBOUND	30	N/A	508	508	N/A	N/A
SOUTHBOUND	358	N/A	1084	N/A	349	N/A

EAST-WEST CRITICAL VOLUMES 477
 NORTH-SOUTH CRITICAL VOLUMES 1114

 THE SUM OF CRITICAL VOLUMES 1591
 NUMBER OF CRITICAL CLEARANCE INTERVALS 3
 CMA VALUE 1.116
 LEVEL OF SERVICE F

Capacity used = 1425.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 5, CHATSWORTH ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	26	248	0	183
EASTBOUND	222	308	46	0
NORTHBOUND	30	1482	17	0
SOUTHBOUND	347	2152	348	111

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	1	0	1	1	0	0	3
NORTHBOUND	1	0	2	1	0	0	4
SOUTHBOUND	1	0	2	0	1	0	4

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	222	N/A	177	177	N/A	N/A
NORTHBOUND	30	N/A	500	500	N/A	N/A
SOUTHBOUND	347	N/A	1076	N/A	348	N/A

EAST-WEST CRITICAL VOLUMES 470
 NORTH-SOUTH CRITICAL VOLUMES 1106

 THE SUM OF CRITICAL VOLUMES 1576
 NUMBER OF CRITICAL CLEARANCE INTERVALS 3*
 CMA VALUE 1.006
 LEVEL OF SERVICE F

 * Includes CMA value decreased due to ATCS Implementation.

Capacity used = 1425.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 5, CHATSWORTH ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	26	158	184	70
EASTBOUND	253	208	49	0
NORTHBOUND	58	2851	58	0
SOUTHBOUND	70	1591	55	126

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	1	0	1	0	1	0	3
EASTBOUND	1	0	1	1	0	0	3
NORTHBOUND	1	0	2	1	0	0	4
SOUTHBOUND	1	0	2	0	1	0	4

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
WESTBOUND	26	N/A	158	N/A	184	N/A
EASTBOUND	253	N/A	128	128	N/A	N/A
NORTHBOUND	58	N/A	970	970	N/A	N/A
SOUTHBOUND	70	N/A	796	N/A	55	N/A

EAST-WEST CRITICAL VOLUMES 437
 NORTH-SOUTH CRITICAL VOLUMES 1040

 THE SUM OF CRITICAL VOLUMES 1477

 NUMBER OF CRITICAL CLEARANCE INTERVALS 3

 CMA VALUE 1.036

 LEVEL OF SERVICE F

Capacity used = 1425.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 5, CHATSWORTH ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	26	158	176	91
EASTBOUND	262	208	49	0
NORTHBOUND	58	2886	58	0
SOUTHBOUND	91	1648	64	131

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	1	0	1	1	0	0	3
NORTHBOUND	1	0	2	1	0	0	4
SOUTHBOUND	1	0	2	0	1	0	4

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	262	N/A	128	128	N/A	N/A
NORTHBOUND	58	N/A	981	981	N/A	N/A
SOUTHBOUND	91	N/A	824	N/A	64	N/A

EAST-WEST CRITICAL VOLUMES 438
 NORTH-SOUTH CRITICAL VOLUMES 1072

 THE SUM OF CRITICAL VOLUMES 1510

 NUMBER OF CRITICAL CLEARANCE INTERVALS 3

 CMA VALUE 1.060

 LEVEL OF SERVICE F

Capacity used = 1425.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 5, CHATSWORTH ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITH TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	26	158	135	129
EASTBOUND	260	208	49	0
NORTHBOUND	58	2877	58	0
SOUTHBOUND	129	1634	62	130

** NUMBER OF LANES **

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R	TOTAL LANES
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED	
WESTBOUND	1	0	1	0	1	0	3
EASTBOUND	1	0	1	1	0	0	3
NORTHBOUND	1	0	2	1	0	0	4
SOUTHBOUND	1	0	2	0	1	0	4

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED
WESTBOUND	26	N/A	158	N/A	135	N/A
EASTBOUND	260	N/A	128	128	N/A	N/A
NORTHBOUND	58	N/A	978	978	N/A	N/A
SOUTHBOUND	129	N/A	817	N/A	62	N/A

EAST-WEST CRITICAL VOLUMES 418
NORTH-SOUTH CRITICAL VOLUMES 1107

THE SUM OF CRITICAL VOLUMES 1525

NUMBER OF CRITICAL CLEARANCE INTERVALS 3*

CMA VALUE 0.970

LEVEL OF SERVICE E

* Includes CMA value decreased due to ATCS Implementation.

Capacity used = 1425.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 6, DEVONSHIRE ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	340	919	0	114
EASTBOUND	359	870	122	0
NORTHBOUND	198	1181	124	0
SOUTHBOUND	128	1745	94	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	2	0	2	0	1	0	5
EASTBOUND	2	0	1	1	0	0	4
NORTHBOUND	2	0	2	1	0	0	5
SOUTHBOUND	2	0	2	1	0	0	5

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
WESTBOUND	187	N/A	460	N/A	0	N/A
EASTBOUND	197	N/A	496	496	N/A	N/A
NORTHBOUND	109	N/A	435	435	N/A	N/A
SOUTHBOUND	70	N/A	613	613	N/A	N/A

EAST-WEST CRITICAL VOLUMES	683
NORTH-SOUTH CRITICAL VOLUMES	722

THE SUM OF CRITICAL VOLUMES	1405
NUMBER OF CRITICAL CLEARANCE INTERVALS	4
CMA VALUE	1.022
LEVEL OF SERVICE	F

Capacity used = 1375.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 6, DEVONSHIRE ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	340	919	0	127
EASTBOUND	386	870	122	0
NORTHBOUND	198	1247	124	0
SOUTHBOUND	137	1788	111	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	2	0	2	0	1	0	5
EASTBOUND	2	0	1	1	0	0	4
NORTHBOUND	2	0	2	1	0	0	5
SOUTHBOUND	2	0	2	1	0	0	5

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
WESTBOUND	187	N/A	460	N/A	0	N/A
EASTBOUND	212	N/A	496	496	N/A	N/A
NORTHBOUND	109	N/A	457	457	N/A	N/A
SOUTHBOUND	75	N/A	633	633	N/A	N/A

EAST-WEST CRITICAL VOLUMES 683
 NORTH-SOUTH CRITICAL VOLUMES 742

 THE SUM OF CRITICAL VOLUMES 1425
 NUMBER OF CRITICAL CLEARANCE INTERVALS 4
 CMA VALUE 1.036
 LEVEL OF SERVICE F

Capacity used = 1375.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 6, DEVONSHIRE ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	340	919	0	124
EASTBOUND	379	870	122	0
NORTHBOUND	198	1231	124	0
SOUTHBOUND	135	1777	107	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	2	0	1	1	0	0	4
NORTHBOUND	2	0	2	1	0	0	5
SOUTHBOUND	2	0	2	1	0	0	5

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	209	N/A	496	496	N/A	N/A
NORTHBOUND	109	N/A	452	452	N/A	N/A
SOUTHBOUND	74	N/A	628	628	N/A	N/A

EAST-WEST CRITICAL VOLUMES	683
NORTH-SOUTH CRITICAL VOLUMES	737

THE SUM OF CRITICAL VOLUMES	1420
NUMBER OF CRITICAL CLEARANCE INTERVALS	4*
CMA VALUE	0.933
LEVEL OF SERVICE	E

* Includes CMA value decreased due to ATCS Implementation.

Capacity used = 1375.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 6, DEVONSHIRE ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	153	875	123	72
EASTBOUND	362	917	137	0
NORTHBOUND	186	2386	226	0
SOUTHBOUND	263	1255	191	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	2	0	1	1	0	0	4
NORTHBOUND	2	0	2	1	0	0	5
SOUTHBOUND	2	0	2	1	0	0	5

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	199	N/A	527	527	N/A	N/A
NORTHBOUND	102	N/A	871	871	N/A	N/A
SOUTHBOUND	145	N/A	482	482	N/A	N/A

EAST-WEST CRITICAL VOLUMES 637
 NORTH-SOUTH CRITICAL VOLUMES 1016

 THE SUM OF CRITICAL VOLUMES 1653

 NUMBER OF CRITICAL CLEARANCE INTERVALS 4

 CMA VALUE 1.202

 LEVEL OF SERVICE F

Capacity used = 1375.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 6, DEVONSHIRE ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	153	875	125	74
EASTBOUND	371	917	137	0
NORTHBOUND	186	2408	226	0
SOUTHBOUND	270	1291	205	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	2	0	1	1	0	0	4
NORTHBOUND	2	0	2	1	0	0	5
SOUTHBOUND	2	0	2	1	0	0	5

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	204	N/A	527	527	N/A	N/A
NORTHBOUND	102	N/A	878	878	N/A	N/A
SOUTHBOUND	148	N/A	499	499	N/A	N/A

EAST-WEST CRITICAL VOLUMES 642
 NORTH-SOUTH CRITICAL VOLUMES 1026

 THE SUM OF CRITICAL VOLUMES 1668
 NUMBER OF CRITICAL CLEARANCE INTERVALS 4
 CMA VALUE 1.213
 LEVEL OF SERVICE F

Capacity used = 1375.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 6, DEVONSHIRE ST. & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITH TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	153	875	124	74
EASTBOUND	369	917	137	0
NORTHBOUND	186	2403	226	0
SOUTHBOUND	268	1282	202	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	2	0	1	1	0	0	4
NORTHBOUND	2	0	2	1	0	0	5
SOUTHBOUND	2	0	2	1	0	0	5

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	203	N/A	527	527	N/A	N/A
NORTHBOUND	102	N/A	876	876	N/A	N/A
SOUTHBOUND	147	N/A	495	495	N/A	N/A

EAST-WEST CRITICAL VOLUMES 641
 NORTH-SOUTH CRITICAL VOLUMES 1023

 THE SUM OF CRITICAL VOLUMES 1664

 NUMBER OF CRITICAL CLEARANCE INTERVALS 4*

 CMA VALUE 1.110

 LEVEL OF SERVICE F

* Includes CMA value decreased due to ATCS Implementation.

Capacity used = 1375.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 7, CHATSWORTH ST. & MASON AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	52	39	15	0
EASTBOUND	101	32	478	0
NORTHBOUND	156	432	12	0
SOUTHBOUND	2	1167	150	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT		L/T/R SHARED	TOTAL LANES
				SHARED	ONLY		
WESTBOUND	0	1	1	0	1	0	3
EASTBOUND	0	1	1	0	1	0	3
NORTHBOUND	0	1	1	0	1	0	3
SOUTHBOUND	0	1	1	0	1	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT		L/T/R SHARED
				SHARED	ONLY	
WESTBOUND	52	N/A	39	N/A	15	N/A
EASTBOUND	101	N/A	32	N/A	478	N/A
NORTHBOUND	156	N/A	432	N/A	12	N/A
SOUTHBOUND	N/A	583	586	N/A	150	N/A

EAST-WEST CRITICAL VOLUMES 530
 NORTH-SOUTH CRITICAL VOLUMES 742

 THE SUM OF CRITICAL VOLUMES 1272
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.060
 LEVEL OF SERVICE F

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 7, CHATSWORTH ST. & MASON AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	52	39	15	0
EASTBOUND	110	32	512	0
NORTHBOUND	196	445	12	0
SOUTHBOUND	2	1167	150	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	1	1	0	1	0	3
NORTHBOUND	0	1	1	0	1	0	3
SOUTHBOUND	0	1	1	0	1	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	110	N/A	32	N/A	512	N/A
NORTHBOUND	196	N/A	445	N/A	12	N/A
SOUTHBOUND	N/A	583	586	N/A	150	N/A

EAST-WEST CRITICAL VOLUMES 564
 NORTH-SOUTH CRITICAL VOLUMES 782

 THE SUM OF CRITICAL VOLUMES 1346
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.122
 LEVEL OF SERVICE F

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 7, CHATSWORTH ST. & MASON AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH TDM

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	52	39	0	15
EASTBOUND	108	32	411	93
NORTHBOUND	186	442	0	12
SOUTHBOUND	2	1167	0	150

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT		L/T/R SHARED	TOTAL LANES
				SHARED	ONLY		
WESTBOUND	0	1	1	0	1	0	3
EASTBOUND	0	1	1	0	1	0	3
NORTHBOUND	0	1	1	0	1	0	3
SOUTHBOUND	0	1	1	0	1	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT		L/T/R SHARED
				SHARED	ONLY	
WESTBOUND	52	N/A	39	N/A	0	N/A
EASTBOUND	108	N/A	32	N/A	411	N/A
NORTHBOUND	186	N/A	442	N/A	0	N/A
SOUTHBOUND	N/A	583	586	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES	463
NORTH-SOUTH CRITICAL VOLUMES	772

THE SUM OF CRITICAL VOLUMES	1235
NUMBER OF CRITICAL CLEARANCE INTERVALS	2
CMA VALUE	0.823
LEVEL OF SERVICE	D

CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 7, CHATSWORTH ST. & MASON AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	10	36	21	0
EASTBOUND	130	38	153	0
NORTHBOUND	298	1044	17	0
SOUTHBOUND	12	596	74	0

** NUMBER OF LANES **

APPROACH	LEFT		THROUGH ONLY	RIGHT		L/T/R SHARED	TOTAL LANES
	ONLY	SHARED		SHARED	ONLY		
WESTBOUND	0	1	1	0	1	0	3
EASTBOUND	0	1	1	0	1	0	3
NORTHBOUND	0	1	1	0	1	0	3
SOUTHBOUND	0	1	1	0	1	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
	WESTBOUND	N/A	23	23	N/A	21
EASTBOUND	130	N/A	38	N/A	153	N/A
NORTHBOUND	N/A	321	1021	N/A	17	N/A
SOUTHBOUND	N/A	278	330	N/A	74	N/A

EAST-WEST CRITICAL VOLUMES 163
 NORTH-SOUTH CRITICAL VOLUMES 1033

 THE SUM OF CRITICAL VOLUMES 1196
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 0.997
 LEVEL OF SERVICE E

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 7, CHATSWORTH ST. & MASON AV.
 DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
 CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	10	36	21	0
EASTBOUND	130	38	174	0
NORTHBOUND	311	1048	17	0
SOUTHBOUND	12	603	74	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	1	1	0	1	0	3
NORTHBOUND	0	1	1	0	1	0	3
SOUTHBOUND	0	1	1	0	1	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	130	N/A	38	N/A	174	N/A
NORTHBOUND	311	N/A	1048	N/A	17	N/A
SOUTHBOUND	N/A	282	334	N/A	74	N/A

EAST-WEST CRITICAL VOLUMES 184
 NORTH-SOUTH CRITICAL VOLUMES 1060

 THE SUM OF CRITICAL VOLUMES 1244
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.037
 LEVEL OF SERVICE F

 Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 7, CHATSWORTH ST. & MASON AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITH TDM

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	10	36	15	6
EASTBOUND	130	38	0	169
NORTHBOUND	308	1047	0	17
SOUTHBOUND	12	601	9	65

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	0	1	1	0	1	0	3
EASTBOUND	0	1	1	0	1	0	3
NORTHBOUND	0	1	1	0	1	0	3
SOUTHBOUND	0	1	1	0	1	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
WESTBOUND	N/A	23	23	N/A	15	N/A
EASTBOUND	130	N/A	38	N/A	0	N/A
NORTHBOUND	N/A	362	993	N/A	0	N/A
SOUTHBOUND	N/A	281	332	N/A	9	N/A

EAST-WEST CRITICAL VOLUMES 153
 NORTH-SOUTH CRITICAL VOLUMES 1005

 THE SUM OF CRITICAL VOLUMES 1158
 NUMBER OF CRITICAL CLEARANCE INTERVALS 2
 CMA VALUE 0.772
 LEVEL OF SERVICE C

CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 8, DEVONSHIRE ST. & MASON AV.
DATE: 9/2/2004 INITIALS: PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	69	843	77	0
EASTBOUND	83	551	165	0
NORTHBOUND	74	454	93	0
SOUTHBOUND	176	1287	147	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	1	0	2	1	0	0	4
NORTHBOUND	1	0	1	1	0	0	3
SOUTHBOUND	1	0	1	1	0	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	83	N/A	239	239	N/A	N/A
NORTHBOUND	74	N/A	274	274	N/A	N/A
SOUTHBOUND	176	N/A	717	717	N/A	N/A

EAST-WEST CRITICAL VOLUMES	390
NORTH-SOUTH CRITICAL VOLUMES	791

THE SUM OF CRITICAL VOLUMES	1181
NUMBER OF CRITICAL CLEARANCE INTERVALS	2
CMA VALUE	0.787
LEVEL OF SERVICE	C

CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 8, DEVONSHIRE ST. & MASON AV.
DATE: 9/2/2004 INITIALS: PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	69	856	90	0
EASTBOUND	83	560	165	0
NORTHBOUND	74	494	93	0
SOUTHBOUND	185	1313	147	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	1	0	2	1	0	0	4
EASTBOUND	1	0	2	1	0	0	4
NORTHBOUND	1	0	1	1	0	0	3
SOUTHBOUND	1	0	1	1	0	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
WESTBOUND	69	N/A	315	315	N/A	N/A
EASTBOUND	83	N/A	242	242	N/A	N/A
NORTHBOUND	74	N/A	294	294	N/A	N/A
SOUTHBOUND	185	N/A	730	730	N/A	N/A

EAST-WEST CRITICAL VOLUMES	398
NORTH-SOUTH CRITICAL VOLUMES	804

THE SUM OF CRITICAL VOLUMES	1202
NUMBER OF CRITICAL CLEARANCE INTERVALS	2
CMA VALUE	0.801
LEVEL OF SERVICE	D

CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 8, DEVONSHIRE ST. & MASON AV.
DATE: 9/2/2004 INITIALS: PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH TDM

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	69	853	87	0
EASTBOUND	83	558	165	0
NORTHBOUND	74	484	93	0
SOUTHBOUND	183	1307	147	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	1	0	2	1	0	0	4
NORTHBOUND	1	0	1	1	0	0	3
SOUTHBOUND	1	0	1	1	0	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	83	N/A	241	241	N/A	N/A
NORTHBOUND	74	N/A	288	288	N/A	N/A
SOUTHBOUND	183	N/A	727	727	N/A	N/A

EAST-WEST CRITICAL VOLUMES	396
NORTH-SOUTH CRITICAL VOLUMES	801

THE SUM OF CRITICAL VOLUMES	1197
NUMBER OF CRITICAL CLEARANCE INTERVALS	2
CMA VALUE	0.798
LEVEL OF SERVICE	C

CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 8, DEVONSHIRE ST. & MASON AV.
DATE: 9/2/2004 INITIALS: PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	109	797	162	0
EASTBOUND	151	950	146	0
NORTHBOUND	150	1057	231	0
SOUTHBOUND	91	586	63	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	1	0	2	1	0	0	4
NORTHBOUND	1	0	1	1	0	0	3
SOUTHBOUND	1	0	1	1	0	0	3

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
EASTBOUND	151	N/A	365	365	N/A	N/A
NORTHBOUND	150	N/A	644	644	N/A	N/A
SOUTHBOUND	91	N/A	324	324	N/A	N/A

EAST-WEST CRITICAL VOLUMES	474
NORTH-SOUTH CRITICAL VOLUMES	735

THE SUM OF CRITICAL VOLUMES	1209
NUMBER OF CRITICAL CLEARANCE INTERVALS	2
CMA VALUE	0.806
LEVEL OF SERVICE	D