

CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 1, RONALD REAGAN FWY. W/B RAMPS & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT WITH TDM

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	571	0	6	2
EASTBOUND	0	0	0	0
NORTHBOUND	0	56	0	854
SOUTHBOUND	3	38	0	0

** NUMBER OF LANES **

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

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED
WESTBOUND	314	N/A	N/A	N/A	6	N/A
EASTBOUND	N/A	N/A	N/A	N/A	N/A	N/A
NORTHBOUND	N/A	N/A	56	N/A	0	N/A
SOUTHBOUND	N/A	20	20	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 314
 NORTH-SOUTH CRITICAL VOLUMES 59

 THE SUM OF CRITICAL VOLUMES 373

 NUMBER OF CRITICAL CLEARANCE INTERVALS 0

 CMA VALUE 0.311

 LEVEL OF SERVICE A

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 2, RONALD REAGAN FWY. E/B RAMPS & 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	0	0	0	0
EASTBOUND	2	1	0	834
NORTHBOUND	0	474	0	1360
SOUTHBOUND	4	2137	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	1	0	0	1	0	2
NORTHBOUND	0	0	1	1	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	3	N/A	N/A	0	N/A
NORTHBOUND	N/A	N/A	237	N/A	0	N/A
SOUTHBOUND	4	N/A	1068	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES	3
NORTH-SOUTH CRITICAL VOLUMES	1068

THE SUM OF CRITICAL VOLUMES	1071
NUMBER OF CRITICAL CLEARANCE INTERVALS	0
CMA VALUE	0.892
LEVEL OF SERVICE	D

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 2, RONALD REAGAN FWY. E/B RAMPS & 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	0	0	0	0
EASTBOUND	2	1	0	880
NORTHBOUND	0	504	0	1370
SOUTHBOUND	4	2152	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	1	0	0	1	0	2
NORTHBOUND	0	0	1	1	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	3	N/A	N/A	0	N/A
NORTHBOUND	N/A	N/A	252	N/A	0	N/A
SOUTHBOUND	4	N/A	1076	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES	3
NORTH-SOUTH CRITICAL VOLUMES	1076

THE SUM OF CRITICAL VOLUMES	1079
NUMBER OF CRITICAL CLEARANCE INTERVALS	0
CMA VALUE	0.899
LEVEL OF SERVICE	D

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 2, RONALD REAGAN FWY. E/B RAMPS & DE SOTO AV.
DATE: 9/2/2004 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT WITH TDM

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	0	0	0	0
EASTBOUND	2	1	0	869
NORTHBOUND	0	497	0	1368
SOUTHBOUND	4	2148	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	1	0	0	1	0	2
NORTHBOUND	0	0	1	1	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	3	N/A	N/A	0	N/A
NORTHBOUND	N/A	N/A	248	N/A	0	N/A
SOUTHBOUND	4	N/A	1074	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 3
 NORTH-SOUTH CRITICAL VOLUMES 1074

 THE SUM OF CRITICAL VOLUMES 1077
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 0.897
 LEVEL OF SERVICE D

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 2, RONALD REAGAN FWY. E/B RAMP & 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	0	0	0	0
EASTBOUND	5	0	0	511
NORTHBOUND	0	860	0	2115
SOUTHBOUND	1	67	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	1	0	0	1	0	2
NORTHBOUND	0	0	1	1	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	5	N/A	N/A	0	N/A
NORTHBOUND	N/A	N/A	430	N/A	0	N/A
SOUTHBOUND	1	N/A	34	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES	5
NORTH-SOUTH CRITICAL VOLUMES	431

THE SUM OF CRITICAL VOLUMES	436
NUMBER OF CRITICAL CLEARANCE INTERVALS	0
CMA VALUE	0.363
LEVEL OF SERVICE	A

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 2, RONALD REAGAN FWY. E/B RAMP & 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	0	0	0	0
EASTBOUND	5	0	0	524
NORTHBOUND	0	881	0	2122
SOUTHBOUND	1	71	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	0	0	0	0	0	0	0
EASTBOUND	0	1	0	0	1	0	2
NORTHBOUND	0	0	1	1	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
WESTBOUND	N/A	N/A	N/A	N/A	N/A	N/A
EASTBOUND	N/A	5	N/A	N/A	0	N/A
NORTHBOUND	N/A	N/A	440	N/A	0	N/A
SOUTHBOUND	1	N/A	36	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES	5
NORTH-SOUTH CRITICAL VOLUMES	441

THE SUM OF CRITICAL VOLUMES	446
NUMBER OF CRITICAL CLEARANCE INTERVALS	0
CMA VALUE	0.372
LEVEL OF SERVICE	A

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 2, RONALD REAGAN FWY. E/B RAMPS & DE SOTO AV.
 DATE: 9/2/2004 INITIALS: LC PERIOD: PM PEAK HOUR
 CASE: FUTURE (2007) WITH PROJECT WITH TDM

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	0	0	0	0
EASTBOUND	5	0	0	521
NORTHBOUND	0	876	0	2120
SOUTHBOUND	1	70	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
EASTBOUND	0	1	0	0	1	0	2
NORTHBOUND	0	0	1	1	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	5	N/A	N/A	0	N/A
NORTHBOUND	N/A	N/A	438	N/A	0	N/A
SOUTHBOUND	1	N/A	35	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES	5
NORTH-SOUTH CRITICAL VOLUMES	439

THE SUM OF CRITICAL VOLUMES	444
NUMBER OF CRITICAL CLEARANCE INTERVALS	0
CMA VALUE	0.370
LEVEL OF SERVICE	A

Capacity used = 1200.

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CRAIN & ASSOCIATES
CMA CALCULATIONS

INTERSECTION: 3, RINALDI 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	694	0	16	79
EASTBOUND	43	0	5	0
NORTHBOUND	0	1355	288	137
SOUTHBOUND	158	1614	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	2	0	0	0	1	1	4
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
WESTBOUND	254	231	N/A	N/A	16	N/A
EASTBOUND	*****	INVALID LANE CONFIGURATION ENTERED			*****	*****
NORTHBOUND	N/A	N/A	678	N/A	288	N/A
SOUTHBOUND	158	N/A	807	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 274
 NORTH-SOUTH CRITICAL VOLUMES 836

 THE SUM OF CRITICAL VOLUMES 1110
 NUMBER OF CRITICAL CLEARANCE INTERVALS 2
 CMA VALUE 0.740
 LEVEL OF SERVICE C

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: AM PEAK HOUR
CASE: FUTURE (2007) WITH PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	835	0	25	110
EASTBOUND	43	0	5	0
NORTHBOUND	0	1355	478	160
SOUTHBOUND	219	1614	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	***** INVALID LANE CONFIGURATION ENTERED *****					
NORTHBOUND	N/A	N/A	678	N/A	478	N/A
SOUTHBOUND	219	N/A	807	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 321
 NORTH-SOUTH CRITICAL VOLUMES 897

 THE SUM OF CRITICAL VOLUMES 1218
 NUMBER OF CRITICAL CLEARANCE INTERVALS 2
 CMA VALUE 0.812
 LEVEL OF SERVICE D

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: AM PEAK HOUR
 CASE: FUTURE (2007) W/PROJECT W/ TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	800	0	23	102
EASTBOUND	43	0	5	0
NORTHBOUND	0	1355	430	155
SOUTHBOUND	204	1614	0	0

** NUMBER OF LANES **

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

** ASSIGNED LANE VOLUMES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R	
						SHARED	LANES
WESTBOUND	293	267	N/A	N/A	23	N/A	N/A
EASTBOUND	*****	INVALID LANE CONFIGURATION ENTERED *****				*****	*****
NORTHBOUND	N/A	N/A	678	N/A	430	N/A	N/A
SOUTHBOUND	204	N/A	807	N/A	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 310
 NORTH-SOUTH CRITICAL VOLUMES 882

 THE SUM OF CRITICAL VOLUMES 1192
 NUMBER OF CRITICAL CLEARANCE INTERVALS 2*
 CMA VALUE 0.695
 LEVEL OF SERVICE B

 * Includes CMA value decreased due to ATCS Implementation.

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) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	800	0	0	79
EASTBOUND	93	0	3	0
NORTHBOUND	0	2168	550	180
SOUTHBOUND	268	1011	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	***** INVALID LANE CONFIGURATION ENTERED *****					
NORTHBOUND	N/A	N/A	1084	N/A	550	N/A
SOUTHBOUND	268	N/A	506	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 360
 NORTH-SOUTH CRITICAL VOLUMES 1352

 THE SUM OF CRITICAL VOLUMES 1712

 NUMBER OF CRITICAL CLEARANCE INTERVALS 2

 CMA VALUE 1.141

 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 PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	900	0	0	108
EASTBOUND	93	0	3	0
NORTHBOUND	0	2168	596	196
SOUTHBOUND	286	1011	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	***** INVALID LANE CONFIGURATION ENTERED *****					
NORTHBOUND	N/A	N/A	1084	N/A	596	N/A
SOUTHBOUND	286	N/A	506	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 393
 NORTH-SOUTH CRITICAL VOLUMES 1370

 THE SUM OF CRITICAL VOLUMES 1763
 NUMBER OF CRITICAL CLEARANCE INTERVALS 2
 CMA VALUE 1.175
 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) W/PROJECT W/ TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	875	0	0	101
EASTBOUND	93	0	3	0
NORTHBOUND	0	2168	585	192
SOUTHBOUND	282	1011	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	***** INVALID LANE CONFIGURATION ENTERED *****					
NORTHBOUND	N/A	N/A	1084	N/A	585	N/A
SOUTHBOUND	282	N/A	506	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES 385
 NORTH-SOUTH CRITICAL VOLUMES 1366

 THE SUM OF CRITICAL VOLUMES 1751
 NUMBER OF CRITICAL CLEARANCE INTERVALS 2*
 CMA VALUE 1.067
 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	2921	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	0	0	0	0	0	1	1
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
WESTBOUND	N/A	N/A	N/A	N/A	N/A	68
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	1460	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES 68
 NORTH-SOUTH CRITICAL VOLUMES 1460

 THE SUM OF CRITICAL VOLUMES 1528

 NUMBER OF CRITICAL CLEARANCE INTERVALS 0

 CMA VALUE 1.273

 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	82	0
EASTBOUND	0	0	0	0
NORTHBOUND	0	2015	0	23
SOUTHBOUND	0	3062	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	1008	N/A	0	N/A
SOUTHBOUND	N/A	N/A	1531	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES 83
 NORTH-SOUTH CRITICAL VOLUMES 1531

 THE SUM OF CRITICAL VOLUMES 1614
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.345
 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) W/PROJECT W/ TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	1	0	0	78
EASTBOUND	0	0	0	0
NORTHBOUND	0	1966	23	0
SOUTHBOUND	0	3027	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	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
WESTBOUND	1	N/A	N/A	N/A	0	N/A
EASTBOUND	N/A	N/A	N/A	N/A	N/A	0
NORTHBOUND	0	N/A	983	N/A	23	N/A
SOUTHBOUND	N/A	N/A	1514	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES 1
 NORTH-SOUTH CRITICAL VOLUMES 1514

 THE SUM OF CRITICAL VOLUMES 1515
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.263
 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) WITHOUT PROJECT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	3	0	17	0
EASTBOUND	0	0	0	0
NORTHBOUND	0	3327	19	10
SOUTHBOUND	32	1835	0	0

** NUMBER OF LANES **

APPROACH	LEFT ONLY	LEFT SHARED	THROUGH ONLY	RIGHT SHARED	RIGHT ONLY	L/T/R SHARED	TOTAL LANES
WESTBOUND	0	0	0	0	0	1	1
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	N/A	N/A	N/A	N/A	N/A	20
EASTBOUND	N/A	N/A	N/A	N/A	N/A	0
NORTHBOUND	0	N/A	1664	N/A	19	N/A
SOUTHBOUND	32	N/A	918	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES 20
 NORTH-SOUTH CRITICAL VOLUMES 1696

 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	21	0
EASTBOUND	0	0	0	0
NORTHBOUND	0	3384	17	12
SOUTHBOUND	39	1928	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	17	N/A
SOUTHBOUND	39	N/A	964	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES 24
 NORTH-SOUTH CRITICAL VOLUMES 1731

 THE SUM OF CRITICAL VOLUMES 1755
 NUMBER OF CRITICAL CLEARANCE INTERVALS 0
 CMA VALUE 1.462
 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) W/PROJECT W/ TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	3	0	20	0
EASTBOUND	0	0	0	0
NORTHBOUND	0	3370	19	10
SOUTHBOUND	0	1947	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	20	N/A
EASTBOUND	N/A	N/A	N/A	N/A	N/A	0
NORTHBOUND	0	N/A	1685	N/A	19	N/A
SOUTHBOUND	0	N/A	974	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES	20
NORTH-SOUTH CRITICAL VOLUMES	1685

THE SUM OF CRITICAL VOLUMES	1705
NUMBER OF CRITICAL CLEARANCE INTERVALS	0
CMA VALUE	1.421
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	25	248	0	150
EASTBOUND	202	308	46	0
NORTHBOUND	30	1402	17	0
SOUTHBOUND	313	2100	345	101

** 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	25	N/A	248	N/A	0	N/A
EASTBOUND	202	N/A	177	177	N/A	N/A
NORTHBOUND	30	N/A	473	473	N/A	N/A
SOUTHBOUND	313	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	25	248	0	196
EASTBOUND	232	308	46	0
NORTHBOUND	30	1524	17	0
SOUTHBOUND	353	2181	350	116

** 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	25	N/A	248	N/A	0	N/A
EASTBOUND	232	N/A	177	177	N/A	N/A
NORTHBOUND	30	N/A	514	514	N/A	N/A
SOUTHBOUND	353	N/A	1090	N/A	350	N/A

EAST-WEST CRITICAL VOLUMES 480
 NORTH-SOUTH CRITICAL VOLUMES 1120

 THE SUM OF CRITICAL VOLUMES 1600

 NUMBER OF CRITICAL CLEARANCE INTERVALS 3

 CMA VALUE 1.123

 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) W/PROJECT W/ TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	25	248	0	185
EASTBOUND	225	308	46	0
NORTHBOUND	30	1494	17	0
SOUTHBOUND	343	2161	349	112

** NUMBER OF LANES **

APPROACH	LEFT		THROUGH ONLY	RIGHT		L/T/R SHARED	TOTAL LANES
	ONLY	SHARED		SHARED	ONLY		
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		THROUGH ONLY	RIGHT		L/T/R SHARED
	ONLY	SHARED		SHARED	ONLY	
WESTBOUND	25	N/A	248	N/A	0	N/A
EASTBOUND	225	N/A	177	177	N/A	N/A
NORTHBOUND	30	N/A	504	504	N/A	N/A
SOUTHBOUND	343	N/A	1080	N/A	349	N/A

EAST-WEST CRITICAL VOLUMES 473
 NORTH-SOUTH CRITICAL VOLUMES 1110

 THE SUM OF CRITICAL VOLUMES 1583
 NUMBER OF CRITICAL CLEARANCE INTERVALS 3*
 CMA VALUE 1.011
 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	25	158	186	66
EASTBOUND	253	208	49	0
NORTHBOUND	58	2852	58	0
SOUTHBOUND	66	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	25	N/A	158	N/A	186	N/A
EASTBOUND	253	N/A	128	128	N/A	N/A
NORTHBOUND	58	N/A	970	970	N/A	N/A
SOUTHBOUND	66	N/A	796	N/A	55	N/A

EAST-WEST CRITICAL VOLUMES 439
 NORTH-SOUTH CRITICAL VOLUMES 1036

 THE SUM OF CRITICAL VOLUMES 1475

 NUMBER OF CRITICAL CLEARANCE INTERVALS 3

 CMA VALUE 1.035

 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	25	158	178	87
EASTBOUND	262	208	49	0
NORTHBOUND	58	2887	58	0
SOUTHBOUND	87	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	982	982	N/A	N/A
SOUTHBOUND	87	N/A	824	N/A	64	N/A

EAST-WEST CRITICAL VOLUMES 440
 NORTH-SOUTH CRITICAL VOLUMES 1069

 THE SUM OF CRITICAL VOLUMES 1509
 NUMBER OF CRITICAL CLEARANCE INTERVALS 3
 CMA VALUE 1.059
 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) W/PROJECT W/ TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	25	158	139	123
EASTBOUND	260	208	49	0
NORTHBOUND	58	2878	58	0
SOUTHBOUND	123	1634	62	130

** 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	260	N/A	128	128	N/A	N/A
NORTHBOUND	58	N/A	979	979	N/A	N/A
SOUTHBOUND	123	N/A	817	N/A	62	N/A

EAST-WEST CRITICAL VOLUMES 418
 NORTH-SOUTH CRITICAL VOLUMES 1102

 THE SUM OF CRITICAL VOLUMES 1520
 NUMBER OF CRITICAL CLEARANCE INTERVALS 3*
 CMA VALUE 0.967
 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	129
EASTBOUND	389	870	122	0
NORTHBOUND	198	1257	124	0
SOUTHBOUND	138	1796	114	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	214	N/A	496	496	N/A	N/A
NORTHBOUND	109	N/A	460	460	N/A	N/A
SOUTHBOUND	76	N/A	637	637	N/A	N/A

EAST-WEST CRITICAL VOLUMES 683
 NORTH-SOUTH CRITICAL VOLUMES 746

 THE SUM OF CRITICAL VOLUMES 1429
 NUMBER OF CRITICAL CLEARANCE INTERVALS 4
 CMA VALUE 1.039
 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) W/PROJECT W/ TDM + MIT

** INPUT VOLUMES **

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	340	919	0	125
EASTBOUND	382	870	122	0
NORTHBOUND	198	1238	124	0
SOUTHBOUND	136	1783	109	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	210	N/A	496	496	N/A	N/A
NORTHBOUND	109	N/A	454	454	N/A	N/A
SOUTHBOUND	75	N/A	631	631	N/A	N/A

EAST-WEST CRITICAL VOLUMES 683
 NORTH-SOUTH CRITICAL VOLUMES 740

 THE SUM OF CRITICAL VOLUMES 1423
 NUMBER OF CRITICAL CLEARANCE INTERVALS 4*
 CMA VALUE 0.935
 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
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	84	N/A	438	N/A	125	N/A
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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