

CRAIN & ASSOCIATES  
CMA CALCULATIONS

INTERSECTION: 6, DEVONSHIRE 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	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	100	32	477	0
NORTHBOUND	156	432	12	0
SOUTHBOUND	2	1167	146	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	100	N/A	32	N/A	477	N/A
NORTHBOUND	156	N/A	432	N/A	12	N/A
SOUTHBOUND	N/A	583	586	N/A	146	N/A

EAST-WEST CRITICAL VOLUMES ..... 529  
 NORTH-SOUTH CRITICAL VOLUMES ..... 742  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1271  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0  
 CMA VALUE ..... 1.059  
 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	100	32	517	0
NORTHBOUND	202	447	12	0
SOUTHBOUND	2	1167	146	0

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R	TOTAL
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED	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	LEFT	THROUGH	RIGHT	RIGHT	L/T/R
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED
WESTBOUND	52	N/A	39	N/A	15	N/A
EASTBOUND	100	N/A	32	N/A	517	N/A
NORTHBOUND	202	N/A	447	N/A	12	N/A
SOUTHBOUND	N/A	583	586	N/A	146	N/A

EAST-WEST CRITICAL VOLUMES ..... 569  
 NORTH-SOUTH CRITICAL VOLUMES ..... 788  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1357  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0  
 CMA VALUE ..... 1.131  
 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) W/PROJECT W/ TDM + MIT

\*\* INPUT VOLUMES \*\*

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	52	39	0	15
EASTBOUND	100	32	411	96
NORTHBOUND	191	443	0	12
SOUTHBOUND	2	1167	0	146

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R	TOTAL
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED	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	LEFT	THROUGH	RIGHT	RIGHT	L/T/R
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED
WESTBOUND	52	N/A	39	N/A	0	N/A
EASTBOUND	100	N/A	32	N/A	411	N/A
NORTHBOUND	191	N/A	443	N/A	0	N/A
SOUTHBOUND	N/A	583	586	N/A	0	N/A

EAST-WEST CRITICAL VOLUMES .....	463
NORTH-SOUTH CRITICAL VOLUMES .....	777
	-----
THE SUM OF CRITICAL VOLUMES .....	1240
NUMBER OF CRITICAL CLEARANCE INTERVALS ....	2
CMA VALUE .....	0.827
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	126	38	153	0
NORTHBOUND	298	1044	17	0
SOUTHBOUND	12	596	72	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	126	N/A	38	N/A	153	N/A
NORTHBOUND	N/A	322	1020	N/A	17	N/A
SOUTHBOUND	N/A	278	330	N/A	72	N/A

EAST-WEST CRITICAL VOLUMES ..... 163  
 NORTH-SOUTH CRITICAL VOLUMES ..... 1032  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1195  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0  
 CMA VALUE ..... 0.996  
 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	126	38	174	0
NORTHBOUND	311	1048	17	0
SOUTHBOUND	12	603	72	0

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R	TOTAL
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED	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	LEFT	THROUGH	RIGHT	RIGHT	L/T/R
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED
WESTBOUND	N/A	23	24	N/A	21	N/A
EASTBOUND	126	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	72	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) W/PROJECT W/ TDM + MIT

\*\* INPUT VOLUMES \*\*

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	10	36	15	6
EASTBOUND	126	38	0	169
NORTHBOUND	308	1047	0	17
SOUTHBOUND	12	601	9	63

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R	TOTAL LANES
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED	
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	LEFT	THROUGH	RIGHT	RIGHT	L/T/R
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED
WESTBOUND	N/A	23	23	N/A	15	N/A
EASTBOUND	126	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 ..... 149  
 NORTH-SOUTH CRITICAL VOLUMES ..... 1005  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1154  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 2  
 CMA VALUE ..... 0.769  
 LEVEL OF SERVICE ..... C

CRAIN & ASSOCIATES  
CMA CALCULATIONS

INTERSECTION: 8, DEVONSHIRE 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	69	843	77	0
EASTBOUND	83	551	165	0
NORTHBOUND	74	454	93	0
SOUTHBOUND	176	1287	147	0

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R	TOTAL
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED	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	LEFT	THROUGH	RIGHT	RIGHT	L/T/R
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED
WESTBOUND	69	N/A	307	307	N/A	N/A
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: LC PERIOD: AM PEAK HOUR  
CASE: FUTURE (2007) WITH PROJECT

\*\* INPUT VOLUMES \*\*

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	69	858	92	0
EASTBOUND	83	561	165	0
NORTHBOUND	74	500	93	0
SOUTHBOUND	186	1317	147	0

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R	TOTAL LANES
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED	
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	LEFT	THROUGH	RIGHT	RIGHT	L/T/R
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED
WESTBOUND	69	N/A	317	317	N/A	N/A
EASTBOUND	83	N/A	242	242	N/A	N/A
NORTHBOUND	74	N/A	296	296	N/A	N/A
SOUTHBOUND	186	N/A	732	732	N/A	N/A

EAST-WEST CRITICAL VOLUMES .....	400
NORTH-SOUTH CRITICAL VOLUMES .....	806
	-----
THE SUM OF CRITICAL VOLUMES .....	1206
NUMBER OF CRITICAL CLEARANCE INTERVALS ....	2
CMA VALUE .....	0.804
LEVEL OF SERVICE .....	D

CRAIN & ASSOCIATES  
CMA CALCULATIONS

INTERSECTION: 8, DEVONSHIRE ST. & MASON 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	69	854	88	0
EASTBOUND	83	559	165	0
NORTHBOUND	74	489	93	0
SOUTHBOUND	184	1310	147	0

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R	TOTAL LANES
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED	
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	LEFT	THROUGH	RIGHT	RIGHT	L/T/R
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED
WESTBOUND	69	N/A	314	314	N/A	N/A
EASTBOUND	83	N/A	241	241	N/A	N/A
NORTHBOUND	74	N/A	291	291	N/A	N/A
SOUTHBOUND	184	N/A	728	728	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 397  
 NORTH-SOUTH CRITICAL VOLUMES ..... 802  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1199  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 2  
 CMA VALUE ..... 0.799  
 LEVEL OF SERVICE ..... C

CRAIN & ASSOCIATES  
CMA CALCULATIONS

INTERSECTION: 8, DEVONSHIRE 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	109	797	162	0
EASTBOUND	151	950	146	0
NORTHBOUND	150	1057	231	0
SOUTHBOUND	91	586	63	0

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT	LEFT SHARED	THROUGH	RIGHT	RIGHT	L/T/R SHARED	TOTAL LANES
	ONLY		ONLY	SHARED	ONLY		
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	LEFT SHARED	THROUGH	RIGHT	RIGHT	L/T/R SHARED
	ONLY		ONLY	SHARED	ONLY	
WESTBOUND	109	N/A	320	320	N/A	N/A
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

CRAIN & ASSOCIATES  
CMA CALCULATIONS

INTERSECTION: 8, DEVONSHIRE 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	109	801	166	0
EASTBOUND	151	957	146	0
NORTHBOUND	150	1070	231	0
SOUTHBOUND	98	607	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	368	368	N/A	N/A
NORTHBOUND	150	N/A	650	650	N/A	N/A
SOUTHBOUND	98	N/A	335	335	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 477  
 NORTH-SOUTH CRITICAL VOLUMES ..... 748  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1225  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 2  
 CMA VALUE ..... 0.817  
 LEVEL OF SERVICE ..... D

CRAIN & ASSOCIATES  
CMA CALCULATIONS

INTERSECTION: 8, DEVONSHIRE ST. & MASON 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	109	800	165	0
EASTBOUND	151	955	146	0
NORTHBOUND	150	1067	231	0
SOUTHBOUND	96	602	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	367	367	N/A	N/A
NORTHBOUND	150	N/A	649	649	N/A	N/A
SOUTHBOUND	96	N/A	332	332	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 476  
 NORTH-SOUTH CRITICAL VOLUMES ..... 745  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1221  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 2  
 CMA VALUE ..... 0.814  
 LEVEL OF SERVICE ..... D

FUTURE (2007) TRAFFIC CONDITIONS  
WITHOUT RINALDI STREET CONNECTED

CRAIN & ASSOCIATES  
CMA CALCULATIONS

INTERSECTION: 1, RONALD REAGAN FWY. W/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	1678	0	448	118
EASTBOUND	0	0	0	0
NORTHBOUND	0	17	0	463
SOUTHBOUND	3	506	0	0

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT	LEFT	THROUGH	RIGHT	RIGHT	L/T/R	TOTAL LANES
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED	
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	LEFT	THROUGH	RIGHT	RIGHT	L/T/R
	ONLY	SHARED	ONLY	SHARED	ONLY	SHARED
WESTBOUND	923	N/A	N/A	N/A	448	N/A
EASTBOUND	N/A	N/A	N/A	N/A	N/A	N/A
NORTHBOUND	N/A	N/A	17	N/A	0	N/A
SOUTHBOUND	N/A	254	254	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 923  
 NORTH-SOUTH CRITICAL VOLUMES ..... 254  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1177  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0  
 CMA VALUE ..... 0.981  
 LEVEL OF SERVICE ..... E

Capacity used = 1200.

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CRAIN & ASSOCIATES  
CMA CALCULATIONS

INTERSECTION: 1, RONALD REAGAN FWY. W/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	1705	0	448	118
EASTBOUND	0	0	0	0
NORTHBOUND	0	17	0	489
SOUTHBOUND	3	506	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	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
EASTBOUND	N/A	N/A	N/A	N/A	N/A	N/A
NORTHBOUND	N/A	N/A	17	N/A	0	N/A
SOUTHBOUND	N/A	254	254	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 938  
 NORTH-SOUTH CRITICAL VOLUMES ..... 254  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1192  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0  
 CMA VALUE ..... 0.993  
 LEVEL OF SERVICE ..... E

Capacity used = 1200.

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CRAIN & ASSOCIATES  
CMA CALCULATIONS

INTERSECTION: 1, RONALD REAGAN FWY. W/B RAMPS & DE SOTO 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	1698	0	448	118
EASTBOUND	0	0	0	0
NORTHBOUND	0	17	0	483
SOUTHBOUND	3	506	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	934	N/A	N/A	N/A	448	N/A
EASTBOUND	N/A	N/A	N/A	N/A	N/A	N/A
NORTHBOUND	N/A	N/A	17	N/A	0	N/A
SOUTHBOUND	N/A	254	254	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 934  
 NORTH-SOUTH CRITICAL VOLUMES ..... 254  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1188  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0  
 CMA VALUE ..... 0.990  
 LEVEL OF SERVICE ..... E

Capacity used = 1200.

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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) WITHOUT PROJECT

\*\* INPUT VOLUMES \*\*

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	1232	0	6	2
EASTBOUND	0	0	0	0
NORTHBOUND	0	56	0	838
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
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	678	N/A	N/A	N/A	6
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 ..... 678  
 NORTH-SOUTH CRITICAL VOLUMES ..... 59  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 737  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0  
 CMA VALUE ..... 0.614  
 LEVEL OF SERVICE ..... B

Capacity used = 1200.

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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

\*\* INPUT VOLUMES \*\*

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	1241	0	6	2
EASTBOUND	0	0	0	0
NORTHBOUND	0	56	0	859
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
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
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 .....	683
NORTH-SOUTH CRITICAL VOLUMES .....	59
	-----
THE SUM OF CRITICAL VOLUMES .....	742
NUMBER OF CRITICAL CLEARANCE INTERVALS ....	0
CMA VALUE .....	0.618
LEVEL OF SERVICE .....	B

Capacity used = 1200.

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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 TDM

\*\* INPUT VOLUMES \*\*

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	1239	0	6	2
EASTBOUND	0	0	0	0
NORTHBOUND	0	56	0	854
SOUTHBOUND	3	38	0	0

\*\* NUMBER OF LANES \*\*

APPROACH	LEFT		THROUGH ONLY	RIGHT		L/T/R SHARED	TOTAL LANES
	ONLY	SHARED		SHARED	ONLY		
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	681	N/A	N/A	N/A	6
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 .....	681
NORTH-SOUTH CRITICAL VOLUMES .....	59
	-----
THE SUM OF CRITICAL VOLUMES .....	740
NUMBER OF CRITICAL CLEARANCE INTERVALS ....	0
CMA VALUE .....	0.617
LEVEL OF SERVICE .....	B

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	1400
SOUTHBOUND	4	2180	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	1090	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES .....	3
NORTH-SOUTH CRITICAL VOLUMES .....	1090
	-----
THE SUM OF CRITICAL VOLUMES .....	1093
NUMBER OF CRITICAL CLEARANCE INTERVALS ....	0
CMA VALUE .....	0.911
LEVEL OF SERVICE .....	E

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	874
NORTHBOUND	0	500	0	1417
SOUTHBOUND	4	2207	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	3	N/A	N/A	0	N/A
NORTHBOUND	N/A	N/A	250	N/A	0	N/A
SOUTHBOUND	4	N/A	1104	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES .....	3
NORTH-SOUTH CRITICAL VOLUMES .....	1104
	-----
THE SUM OF CRITICAL VOLUMES .....	1107
NUMBER OF CRITICAL CLEARANCE INTERVALS .....	0
CMA VALUE .....	0.923
LEVEL OF SERVICE .....	E

-----  
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 TDM

\*\* INPUT VOLUMES \*\*

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	0	0	0	0
EASTBOUND	2	1	0	864
NORTHBOUND	0	494	0	1413
SOUTHBOUND	4	2200	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	247	N/A	0	N/A
SOUTHBOUND	4	N/A	1100	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 3  
 NORTH-SOUTH CRITICAL VOLUMES ..... 1100  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1103  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 0  
 CMA VALUE ..... 0.919  
 LEVEL OF SERVICE ..... E

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) 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	2209
SOUTHBOUND	1	161	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	80	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 RAMPS & 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	2223
SOUTHBOUND	1	170	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	85	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 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	2220
SOUTHBOUND	1	168	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	84	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	4	0	0	7
EASTBOUND	0	0	0	0
NORTHBOUND	0	1881	2	1
SOUTHBOUND	4	2925	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	940	N/A	2	N/A
SOUTHBOUND	4	N/A	1462	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 2  
 NORTH-SOUTH CRITICAL VOLUMES ..... 1462  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1464  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 2  
 CMA VALUE ..... 0.976  
 LEVEL OF SERVICE ..... E

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	132	0	0	50
EASTBOUND	0	0	0	0
NORTHBOUND	0	1881	169	33
SOUTHBOUND	70	2925	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	940	N/A	169	N/A
SOUTHBOUND	70	N/A	1462	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 66  
 NORTH-SOUTH CRITICAL VOLUMES ..... 1462  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1528  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 2  
 CMA VALUE ..... 1.019  
 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: AM PEAK HOUR  
 CASE: FUTURE (2007) WITH TDM + MIT

\*\* INPUT VOLUMES \*\*

APPROACH	LEFT	THROUGH	** RIGHT TURNS **	
			MIN ON GREEN	MAX ON RED
WESTBOUND	100	0	0	39
EASTBOUND	0	0	0	0
NORTHBOUND	0	1881	127	25
SOUTHBOUND	54	2925	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	940	N/A	127	N/A
SOUTHBOUND	54	N/A	1462	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 50  
 NORTH-SOUTH CRITICAL VOLUMES ..... 1462  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1512  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 2\*  
 CMA VALUE ..... 0.908  
 LEVEL OF SERVICE ..... E

\* 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	4	0	0	4
EASTBOUND	0	0	0	0
NORTHBOUND	0	3340	5	1
SOUTHBOUND	7	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	5	N/A
SOUTHBOUND	7	N/A	934	N/A	N/A	N/A

EAST-WEST CRITICAL VOLUMES ..... 2  
 NORTH-SOUTH CRITICAL VOLUMES ..... 1677  
 -----  
 THE SUM OF CRITICAL VOLUMES ..... 1679  
 NUMBER OF CRITICAL CLEARANCE INTERVALS .... 2  
 CMA VALUE ..... 1.119  
 LEVEL OF SERVICE ..... F

Capacity used = 1500.

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