

IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR WESTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	446	0.0	OFF	446	0	0.00	0	70.2	70.2	70.2
1-2 AM	346	0.0	OFF	346	0	0.00	0	70.2	70.2	70.2
2-3 AM	207	0.0	OFF	207	0	0.00	0	70.2	70.2	70.2
3-4 AM	221	0.0	OFF	221	0	0.00	0	70.2	70.2	70.2
4-5 AM	530	0.0	OFF	530	0	0.00	0	70.0	70.0	70.0
5-6 AM	1678	0.0	OFF	1678	0	0.00	0	68.6	68.6	68.6
6-7 AM	3726	0.0	OFF	3726	0	0.00	0	65.4	65.4	65.4
7-8 AM	4250	0.0	OFF	4250	0	0.00	0	61.8	61.8	61.8
8-9 AM	2943	0.0	OFF	2943	0	0.00	0	67.1	67.1	67.1
9-10 AM	2539	0.0	OFF	2539	0	0.00	0	67.6	67.6	67.6
10-11 AM	2787	0.0	1499	1909	878	13.97+	358	67.3	5.9	32.9
11AM-NOON	3238	0.0	1499	1507	1731	17.11+	434	66.7	5.3	30.8
NOON-1PM	3297	0.0	1500	1502	1795	17.13+	435	66.6	5.3	30.8
1-2 PM	3746	0.0	1500	1500	2246	17.11+	435	65.3	5.3	30.8
2-3 PM	4710	0.0	1500	1500	3210	16.94+	435	58.7	5.3	30.8
3-4 PM	5036	0.0	OFF	5036	0	0.97	90	56.4	29.6	29.6
4-5 PM	5142	0.0	OFF	5142	0	0.00	0	55.7	55.7	55.7
5-6 PM	4406	0.0	OFF	4406	0	0.00	0	60.7	60.7	60.7
6-7 PM	3157	0.0	OFF	3157	0	0.00	0	66.8	66.8	66.8
7-8 PM	2370	0.0	OFF	2370	0	0.00	0	67.8	67.8	67.8
8-9 PM	2132	0.0	OFF	2132	0	0.00	0	68.1	68.1	68.1
9-10 PM	1855	0.0	OFF	1855	0	0.00	0	68.4	68.4	68.4
10-11 PM	1339	0.0	OFF	1339	0	0.00	0	69.1	69.1	69.1
11PM-MID	791	0.0	OFF	791	0	0.00	0	69.7	69.7	69.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0073
'DIVERSION'	0.0036
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$65,268
CONGESTED HOURS PER DAY*	5

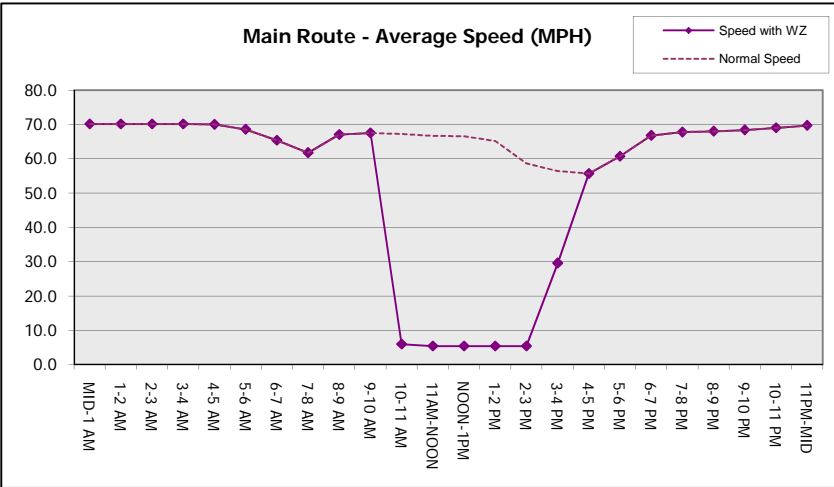
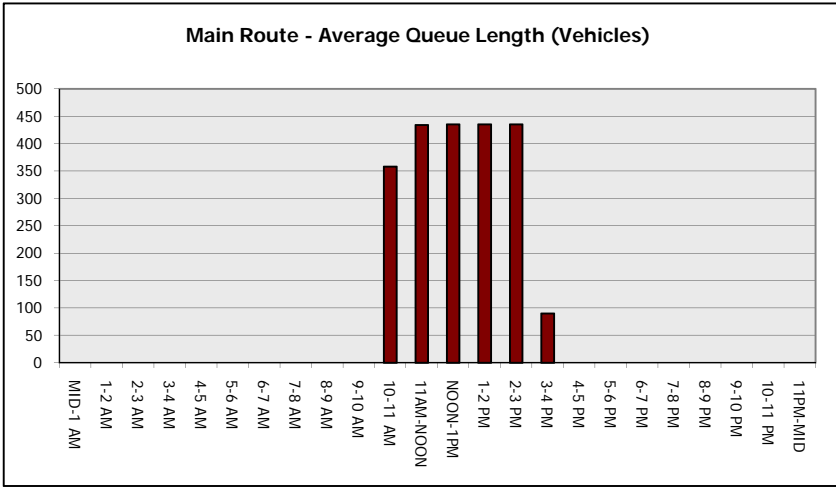
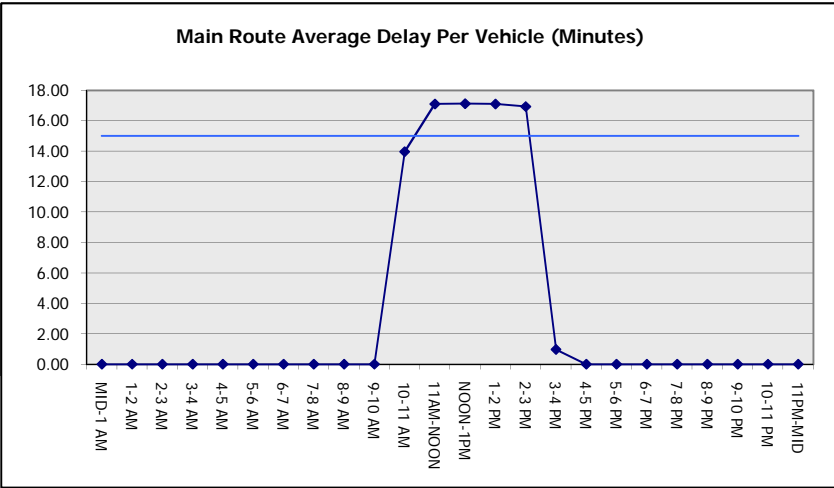
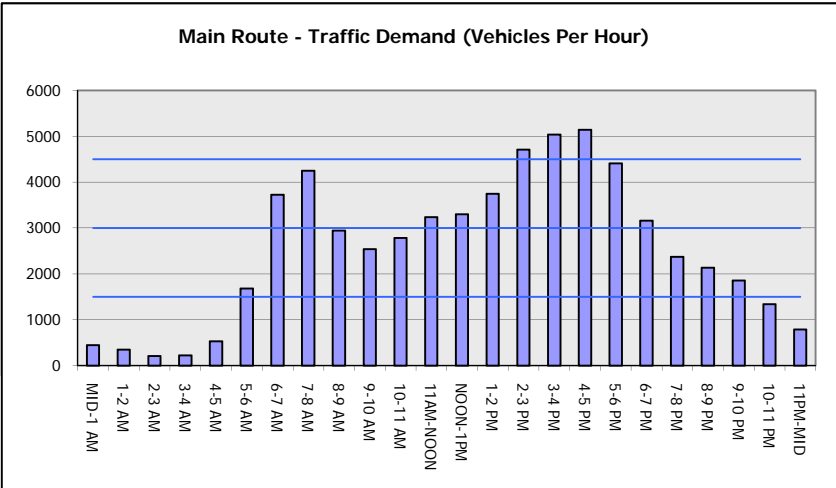
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	322	0.0	OFF	322	0	0.00	0	70.2	70.2	70.2
1-2 AM	208	0.0	OFF	208	0	0.00	0	70.2	70.2	70.2
2-3 AM	172	0.0	OFF	172	0	0.00	0	70.2	70.2	70.2
3-4 AM	233	0.0	OFF	233	0	0.00	0	70.2	70.2	70.2
4-5 AM	761	0.0	OFF	761	0	0.00	0	69.8	69.8	69.8
5-6 AM	2858	0.0	OFF	2858	0	0.00	0	67.2	67.2	67.2
6-7 AM	4918	0.0	OFF	4918	0	0.00	0	57.3	57.3	57.3
7-8 AM	5034	0.0	OFF	5034	0	0.00	0	56.4	56.4	56.4
8-9 AM	4455	0.0	OFF	4455	0	0.00	0	60.4	60.4	60.4
9-10 AM	3218	0.0	OFF	3218	0	0.00	0	66.8	66.8	66.8
10-11 AM	2944	0.0	1499	1668	1276	15.35+	394	67.1	5.7	36.0
11AM-NOON	3153	0.0	1499	1809	1344	16.00+	409	66.8	5.5	30.8
NOON-1PM	3148	0.0	1499	1473	1675	17.05+	433	66.8	5.3	30.8
1-2 PM	3091	0.0	1499	1488	1603	17.10+	434	66.9	5.3	30.8
2-3 PM	3252	0.0	1499	1500	1752	17.15+	435	66.7	5.3	30.8
3-4 PM	3563	0.0	OFF	3563	0	0.43	39	66.3	44.8	44.8
4-5 PM	4090	0.0	OFF	4090	0	0.00	0	62.9	62.9	62.9
5-6 PM	4057	0.0	OFF	4057	0	0.00	0	63.2	63.2	63.2
6-7 PM	3075	0.0	OFF	3075	0	0.00	0	66.9	66.9	66.9
7-8 PM	2321	0.0	OFF	2321	0	0.00	0	67.9	67.9	67.9
8-9 PM	2111	0.0	OFF	2111	0	0.00	0	68.1	68.1	68.1
9-10 PM	1826	0.0	OFF	1826	0	0.00	0	68.4	68.4	68.4
10-11 PM	1241	0.0	OFF	1241	0	0.00	0	69.2	69.2	69.2
11PM-MID	702	0.0	OFF	702	0	0.00	0	69.9	69.9	69.9

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0076
'DIVERSION'	0.0028

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$56,530
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

