

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1110	0.0	1499	1110	0	6.08	202	69.4	10.2	34.5	
1-2 AM	1003	0.0	1500	1003	0	0.30	0	69.5	51.7	41.7	
2-3 AM	690	0.0	1500	690	0	0.28	0	69.9	52.7	42.8	
3-4 AM	319	0.0	1500	319	0	0.26	0	70.2	53.8	44.2	
4-5 AM	340	0.0	1500	340	0	0.26	0	70.2	53.8	44.2	
5-6 AM	600	0.0	1500	600	0	0.28	0	70.0	53.0	43.2	
6-7 AM	1060	0.0	1499	1060	0	0.32	0	69.4	50.7	40.6	
7-8 AM	1535	0.0	1499	1535	0	0.98	18	68.8	32.4	31.6	
8-9 AM	1956	0.0	OFF	1956	0	0.01	0	68.3	67.7	67.7	
9-10 AM	2367	0.0	OFF	2367	0	0.00	0	67.8	67.8	67.8	
10-11 AM	2709	0.0	OFF	2709	0	0.00	0	67.4	67.4	67.4	
11AM-NOON	2945	0.0	OFF	2945	0	0.00	0	67.1	67.1	67.1	
NOON-1PM	2965	0.0	OFF	2965	0	0.00	0	67.1	67.1	67.1	
1-2 PM	2997	0.0	OFF	2997	0	0.00	0	67.0	67.0	67.0	
2-3 PM	3057	0.0	OFF	3057	0	0.00	0	66.9	66.9	66.9	
3-4 PM	2753	0.0	OFF	2753	0	0.00	0	67.3	67.3	67.3	
4-5 PM	2575	0.0	OFF	2575	0	0.00	0	67.5	67.5	67.5	
5-6 PM	2067	0.0	OFF	2067	0	0.00	0	68.2	68.2	68.2	
6-7 PM	1936	0.0	1499	1936	0	8.22	230	68.3	8.0	30.8	
7-8 PM	1659	0.0	1499	1498	161	16.64+	421	68.7	5.4	30.8	
8-9 PM	1773	0.0	1499	1498	275	16.64+	421	68.6	5.4	30.8	
9-10 PM	1987	0.0	1499	1499	488	16.66+	421	68.2	5.4	30.8	
10-11 PM	2134	0.0	1499	1499	635	16.66+	422	68.1	5.4	30.8	
11PM-MID	1531	0.0	1500	1451	80	16.33+	413	68.8	5.5	30.8	

"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

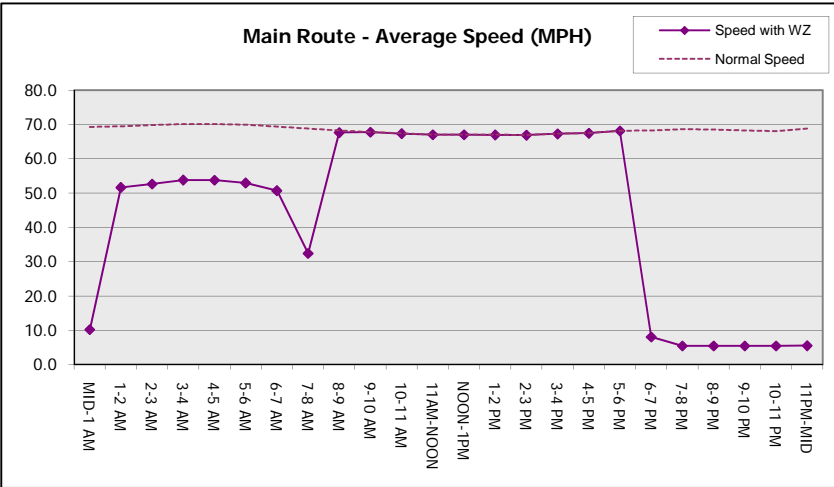
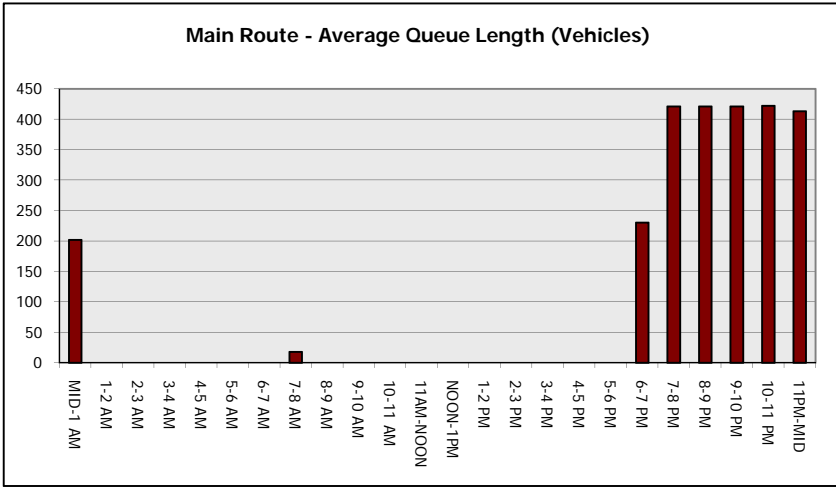
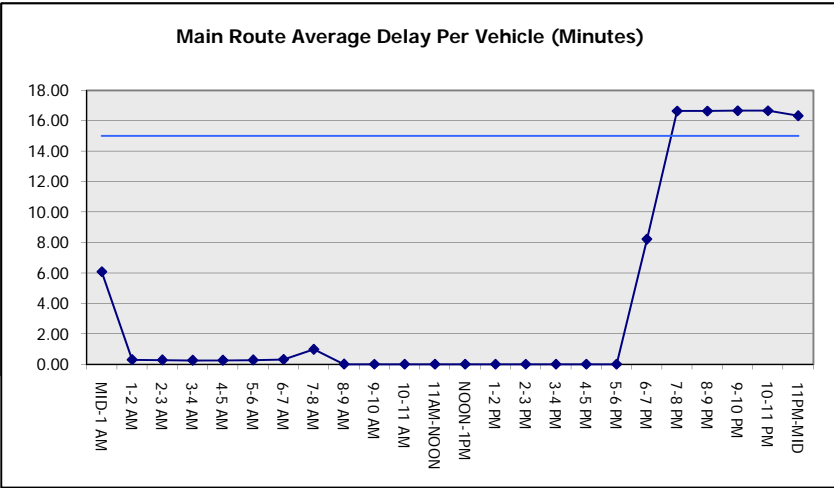
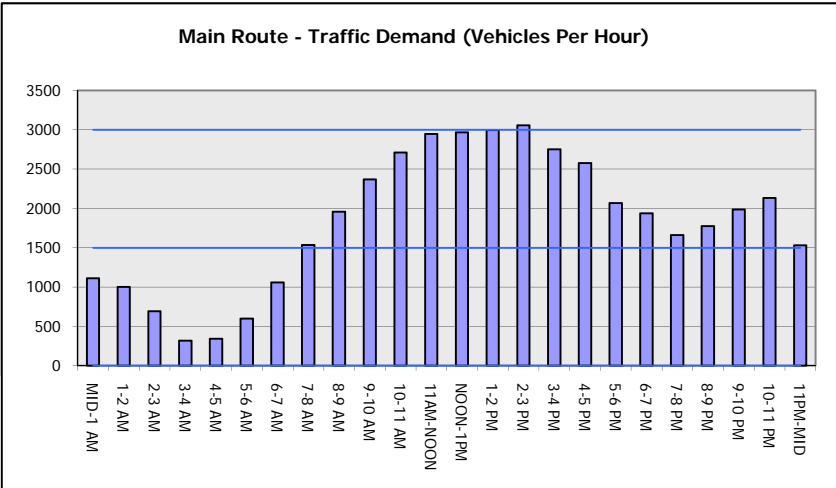
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0070
MAIN ROUTE WITH WORKS	0.0050
'DIVERSION'	0.0006
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,533
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	691	0.0	1500	691	0	0.73	45	69.9	38.1	42.5
1-2 AM	418	0.0	1500	418	0	0.27	0	70.2	53.6	43.8
2-3 AM	308	0.0	1500	308	0	0.26	0	70.2	53.9	44.3
3-4 AM	252	0.0	1500	252	0	0.25	0	70.2	54.1	44.5
4-5 AM	368	0.0	1500	368	0	0.26	0	70.2	53.7	44.0
5-6 AM	699	0.0	1500	699	0	0.28	0	69.9	52.7	42.8
6-7 AM	1074	0.0	1499	1074	0	0.32	0	69.4	50.8	40.6
7-8 AM	1487	0.0	1499	1487	0	0.88	15	68.9	34.2	32.4
8-9 AM	2144	0.0	OFF	2144	0	0.01	0	68.1	67.6	67.6
9-10 AM	2371	0.0	OFF	2371	0	0.00	0	67.8	67.8	67.8
10-11 AM	2479	0.0	OFF	2479	0	0.00	0	67.6	67.6	67.6
11AM-NOON	2782	0.0	OFF	2782	0	0.00	0	67.3	67.3	67.3
NOON-1PM	2906	0.0	OFF	2906	0	0.00	0	67.1	67.1	67.1
1-2 PM	2919	0.0	OFF	2919	0	0.00	0	67.1	67.1	67.1
2-3 PM	2996	0.0	OFF	2996	0	0.00	0	67.0	67.0	67.0
3-4 PM	3032	0.0	OFF	3032	0	0.00	0	66.9	66.9	66.9
4-5 PM	3070	0.0	OFF	3070	0	0.00	0	66.9	66.9	66.9
5-6 PM	3374	0.0	OFF	3374	0	0.00	0	66.6	66.6	66.6
6-7 PM	3257	0.0	1499	1592	1665	17.33+	444	66.7	5.3	36.5
7-8 PM	2487	0.0	1499	1693	794	14.77+	389	67.6	5.8	34.5
8-9 PM	2294	0.0	1499	1624	670	16.20+	410	67.9	5.5	30.8
9-10 PM	2442	0.0	1500	1502	940	16.68+	422	67.7	5.4	30.8
10-11 PM	2015	0.0	1500	1501	513	16.66+	421	68.2	5.4	30.8
11PM-MID	1340	0.0	1500	1340	0	14.71+	373	69.1	5.7	30.8

"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	0.0075
MAIN ROUTE WITH WORKS	0.0052
'DIVERSION'	0.0017

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$59,995
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

