

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

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	1500	446	0	0.27	0	70.2	53.5	43.7	
1-2 AM	346	0.0	1500	346	0	0.26	0	70.2	53.8	44.1	
2-3 AM	207	0.0	1500	207	0	0.25	0	70.2	54.2	44.6	
3-4 AM	221	0.0	1500	221	0	0.25	0	70.2	54.2	44.6	
4-5 AM	530	0.0	1500	530	0	0.27	0	70.0	53.2	43.4	
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	OFF	2787	0	0.00	0	67.3	67.3	67.3	
11AM-NOON	3238	0.0	OFF	3238	0	0.00	0	66.7	66.7	66.7	
NOON-1PM	3297	0.0	OFF	3297	0	0.00	0	66.6	66.6	66.6	
1-2 PM	3746	0.0	OFF	3746	0	0.00	0	65.3	65.3	65.3	
2-3 PM	4710	0.0	OFF	4710	0	0.00	0	58.7	58.7	58.7	
3-4 PM	5036	0.0	OFF	5036	0	0.00	0	56.4	56.4	56.4	
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	1499	1974	395	12.94+	335	67.8	6.1	30.8	
8-9 PM	2132	0.0	1499	1493	638	16.66+	422	68.1	5.4	30.8	
9-10 PM	1855	0.0	1499	1463	392	16.53+	418	68.4	5.5	30.8	
10-11 PM	1339	0.0	1499	1329	10	14.73+	374	69.1	5.7	30.8	
11PM-MID	791	0.0	1500	791	0	0.89	56	69.7	34.9	41.9	

"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

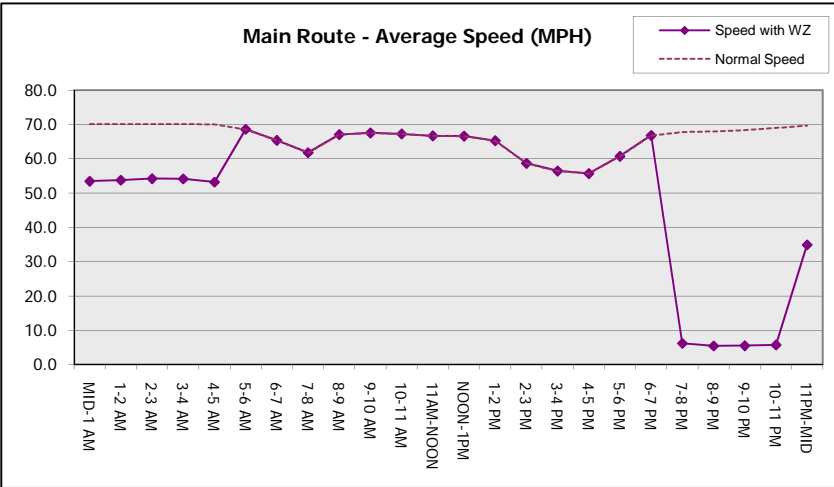
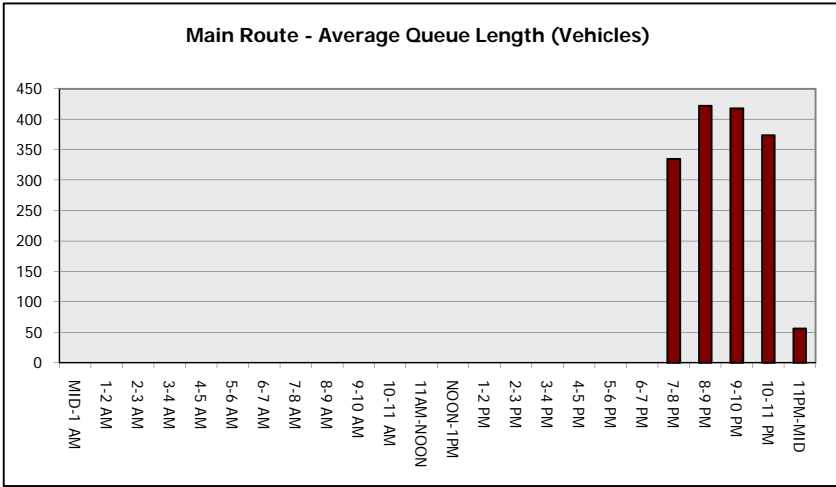
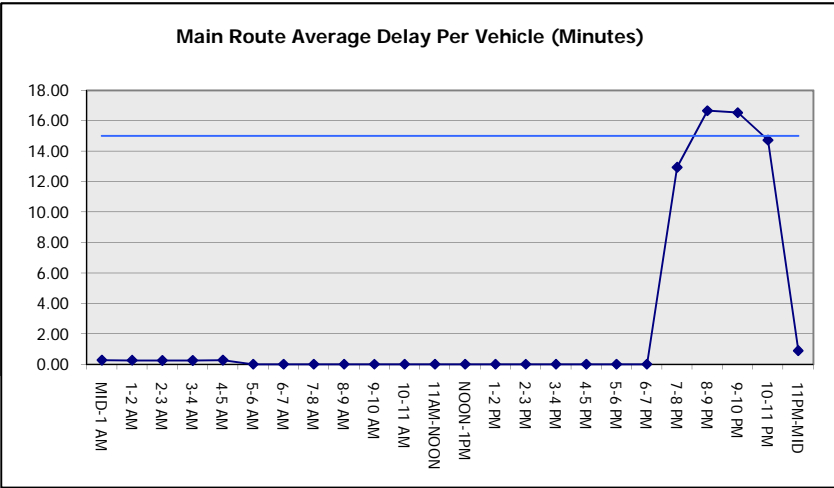
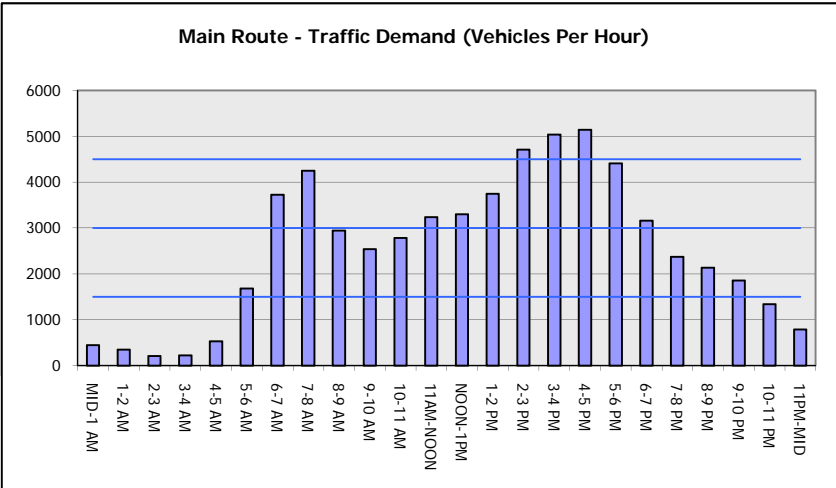
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0085
'DIVERSION'	0.0005
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$27,381
CONGESTED HOURS PER DAY*	4

*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	1500	322	0	0.26	0	70.2	53.8	44.2
1-2 AM	208	0.0	1500	208	0	0.25	0	70.2	54.2	44.6
2-3 AM	172	0.0	1500	172	0	0.25	0	70.2	54.3	44.8
3-4 AM	233	0.0	1500	233	0	0.25	0	70.2	54.2	44.5
4-5 AM	761	0.0	1500	761	0	0.28	0	69.8	52.5	42.5
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	OFF	2944	0	0.00	0	67.1	67.1	67.1
11AM-NOON	3153	0.0	OFF	3153	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3148	0.0	OFF	3148	0	0.00	0	66.8	66.8	66.8
1-2 PM	3091	0.0	OFF	3091	0	0.00	0	66.9	66.9	66.9
2-3 PM	3252	0.0	OFF	3252	0	0.00	0	66.7	66.7	66.7
3-4 PM	3563	0.0	OFF	3563	0	0.00	0	66.3	66.3	66.3
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	1499	1967	354	12.61+	328	67.9	6.2	30.8
8-9 PM	2111	0.0	1499	1494	617	16.66+	422	68.1	5.4	30.8
9-10 PM	1826	0.0	1499	1466	361	16.54+	418	68.4	5.5	30.8
10-11 PM	1241	0.0	1499	1241	0	12.88+	332	69.2	6.1	31.7
11PM-MID	702	0.0	1500	702	0	0.52	20	69.9	43.7	42.7

"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	0.0085
'DIVERSION'	0.0005

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$25,916
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

