

**IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
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	1318	0.0	1499	1305	12	14.50+	369	69.1	5.8	30.9	
1-2 AM	1047	0.0	1499	1047	0	1.22	70	69.4	29.3	38.6	
2-3 AM	786	0.0	1500	786	0	0.29	0	69.7	52.4	42.4	
3-4 AM	368	0.0	1500	368	0	0.26	0	70.2	53.7	44.0	
4-5 AM	351	0.0	1500	351	0	0.26	0	70.2	53.8	44.1	
5-6 AM	625	0.0	1500	625	0	0.28	0	69.9	52.9	43.0	
6-7 AM	1057	0.0	1499	1057	0	0.32	0	69.4	50.9	40.7	
7-8 AM	1525	0.0	1499	1525	0	0.94	16	68.8	33.1	31.6	
8-9 AM	1891	0.0	OFF	1891	0	0.01	0	68.4	67.9	67.9	
9-10 AM	2359	0.0	OFF	2359	0	0.00	0	67.8	67.8	67.8	
10-11 AM	2721	0.0	OFF	2721	0	0.00	0	67.4	67.4	67.4	
11AM-NOON	3083	0.0	OFF	3083	0	0.00	0	66.9	66.9	66.9	
NOON-1PM	2949	0.0	OFF	2949	0	0.00	0	67.1	67.1	67.1	
1-2 PM	2949	0.0	OFF	2949	0	0.00	0	67.1	67.1	67.1	
2-3 PM	3133	0.0	OFF	3133	0	0.00	0	66.8	66.8	66.8	
3-4 PM	2982	0.0	OFF	2982	0	0.00	0	67.0	67.0	67.0	
4-5 PM	2876	0.0	OFF	2876	0	0.00	0	67.1	67.1	67.1	
5-6 PM	2347	0.0	OFF	2347	0	0.00	0	67.8	67.8	67.8	
6-7 PM	2058	0.0	1499	1936	122	9.89+	273	68.2	7.2	30.8	
7-8 PM	1939	0.0	1500	1498	441	16.65+	421	68.3	5.4	30.8	
8-9 PM	2150	0.0	1499	1499	651	16.66+	422	68.1	5.4	30.8	
9-10 PM	2468	0.0	1499	1499	969	16.68+	422	67.7	5.4	30.8	
10-11 PM	2395	0.0	1499	1499	896	16.68+	422	67.8	5.4	30.8	
11PM-MID	2393	0.0	1499	1499	894	16.68+	422	67.8	5.4	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	0.0076
MAIN ROUTE WITH WORKS	0.0052
'DIVERSION'	0.0015
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,183
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

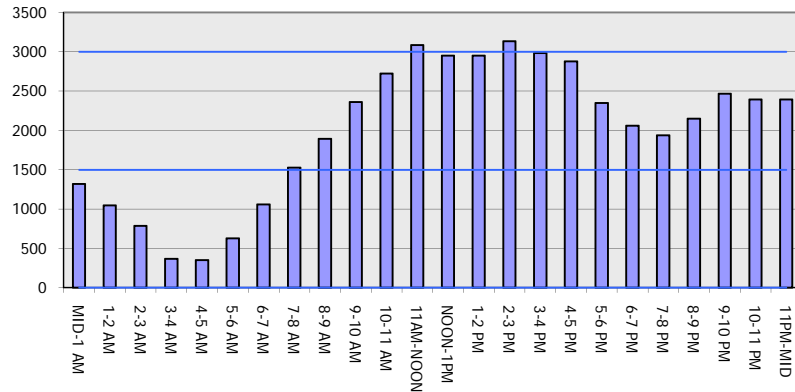
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AUGUST

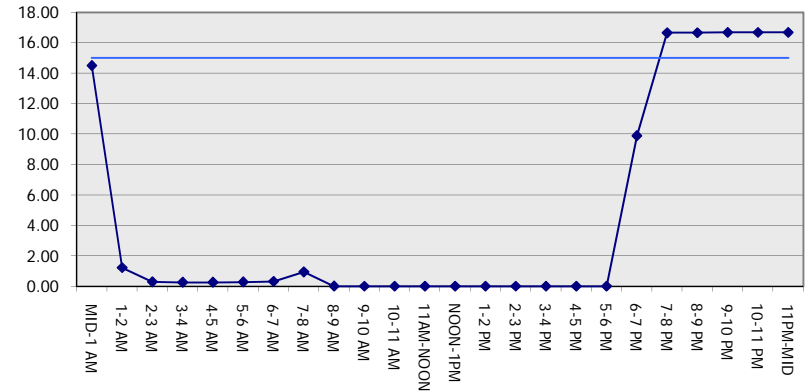
Analyzed for 2009
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION

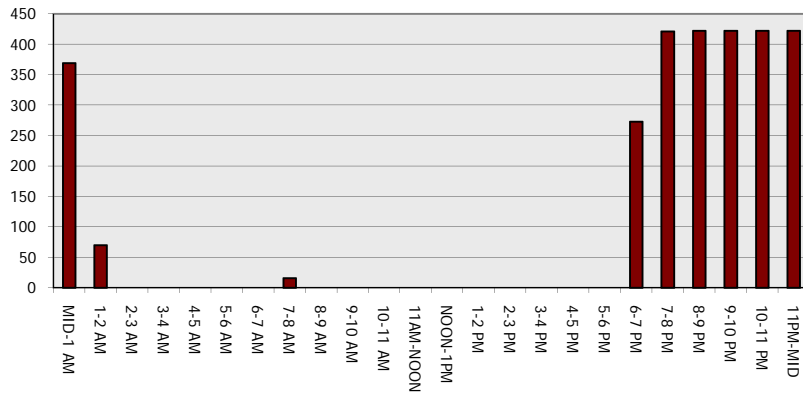
Main Route - Traffic Demand (Vehicles Per Hour)



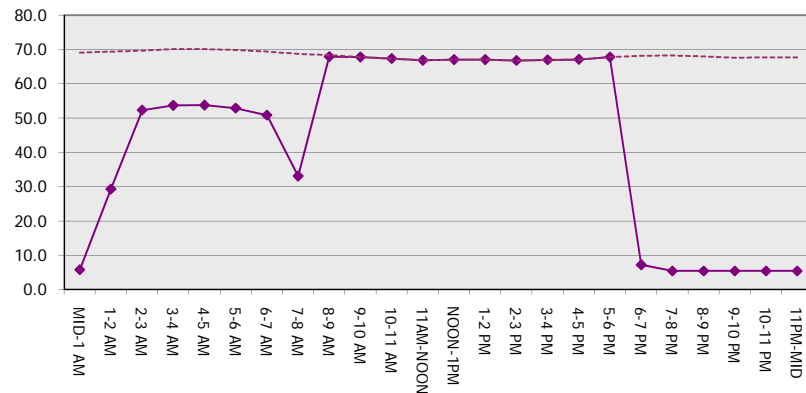
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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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	771	0.0	1499	771	0	1.82	147	69.8	24.8	39.6
1-2 AM	446	0.0	1500	446	0	0.27	0	70.2	53.5	43.7
2-3 AM	379	0.0	1500	379	0	0.26	0	70.2	53.7	44.0
3-4 AM	344	0.0	1500	344	0	0.26	0	70.2	53.8	44.1
4-5 AM	440	0.0	1500	440	0	0.27	0	70.2	53.5	43.7
5-6 AM	773	0.0	1500	773	0	0.28	0	69.8	52.4	42.5
6-7 AM	1183	0.0	1499	1183	0	0.35	0	69.2	49.2	38.7
7-8 AM	1554	0.0	1499	1554	0	1.02	20	68.8	31.7	31.4
8-9 AM	2051	0.0	OFF	2051	0	0.01	0	68.2	67.4	67.4
9-10 AM	2357	0.0	OFF	2357	0	0.00	0	67.8	67.8	67.8
10-11 AM	2601	0.0	OFF	2601	0	0.00	0	67.5	67.5	67.5
11AM-NOON	3056	0.0	OFF	3056	0	0.00	0	66.9	66.9	66.9
NOON-1PM	3054	0.0	OFF	3054	0	0.00	0	66.9	66.9	66.9
1-2 PM	3137	0.0	OFF	3137	0	0.00	0	66.8	66.8	66.8
2-3 PM	3259	0.0	OFF	3259	0	0.00	0	66.7	66.7	66.7
3-4 PM	3237	0.0	OFF	3237	0	0.00	0	66.7	66.7	66.7
4-5 PM	3349	0.0	OFF	3349	0	0.00	0	66.6	66.6	66.6
5-6 PM	3583	0.0	OFF	3583	0	0.00	0	66.3	66.3	66.3
6-7 PM	3272	0.0	1499	1592	1679	17.33+	444	66.7	5.3	36.5
7-8 PM	2732	0.0	1499	1672	1061	15.12+	399	67.3	5.8	35.4
8-9 PM	2622	0.0	1499	1638	983	16.37+	415	67.5	5.5	30.8
9-10 PM	2614	0.0	1500	1511	1103	16.73+	424	67.5	5.4	30.8
10-11 PM	2368	0.0	1500	1501	866	16.68+	422	67.8	5.4	30.8
11PM-MID	1765	0.0	1500	1501	264	16.64+	421	68.6	5.4	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	0.0
(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	0
(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	0.0081
MAIN ROUTE WITH WORKS	0.0055
'DIVERSION'	0.0022

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,860
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

