

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

OCTOBER
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	227	0.0	3000	227	0	0.18	0	70.2	57.9	49.7
1-2 AM	172	0.0	3000	172	0	0.18	0	70.2	57.9	49.7
2-3 AM	139	0.0	3000	139	0	0.18	0	70.2	57.9	49.7
3-4 AM	146	0.0	3000	146	0	0.18	0	70.2	57.9	49.7
4-5 AM	269	0.0	3000	269	0	0.18	0	70.2	57.9	49.7
5-6 AM	797	0.0	OFF	797	0	0.00	0	69.7	69.7	69.7
6-7 AM	2037	0.0	OFF	2037	0	0.00	0	68.2	68.2	68.2
7-8 AM	2643	0.0	OFF	2643	0	0.00	0	67.4	67.4	67.4
8-9 AM	1720	0.0	OFF	1720	0	0.00	0	68.6	68.6	68.6
9-10 AM	1197	0.0	OFF	1197	0	0.00	0	69.2	69.2	69.2
10-11 AM	1216	0.0	OFF	1216	0	0.00	0	69.2	69.2	69.2
11AM-NOON	1405	0.0	OFF	1405	0	0.00	0	69.0	69.0	69.0
NOON-1PM	1466	0.0	OFF	1466	0	0.00	0	68.9	68.9	68.9
1-2 PM	1668	0.0	OFF	1668	0	0.00	0	68.7	68.7	68.7
2-3 PM	2090	0.0	OFF	2090	0	0.00	0	68.1	68.1	68.1
3-4 PM	2289	0.0	OFF	2289	0	0.00	0	67.9	67.9	67.9
4-5 PM	2267	0.0	OFF	2267	0	0.00	0	67.9	67.9	67.9
5-6 PM	2107	0.0	OFF	2107	0	0.00	0	68.1	68.1	68.1
6-7 PM	1590	0.0	OFF	1590	0	0.00	0	68.7	68.7	68.7
7-8 PM	1160	0.0	3000	1160	0	0.18	0	69.3	57.6	49.7
8-9 PM	1031	0.0	3000	1031	0	0.18	0	69.4	57.6	49.7
9-10 PM	827	0.0	3000	827	0	0.18	0	69.7	57.7	49.7
10-11 PM	539	0.0	3000	539	0	0.18	0	70.0	57.8	49.7
11PM-MID	366	0.0	3000	366	0	0.18	0	70.2	57.9	49.7

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

----- 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	0.0047
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$174
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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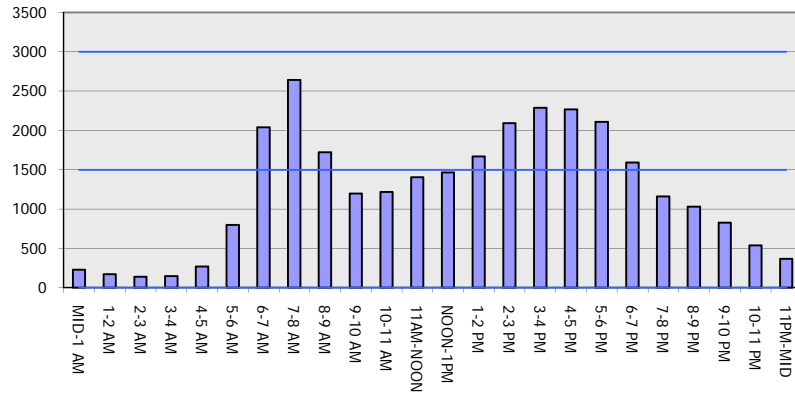
OCTOBER

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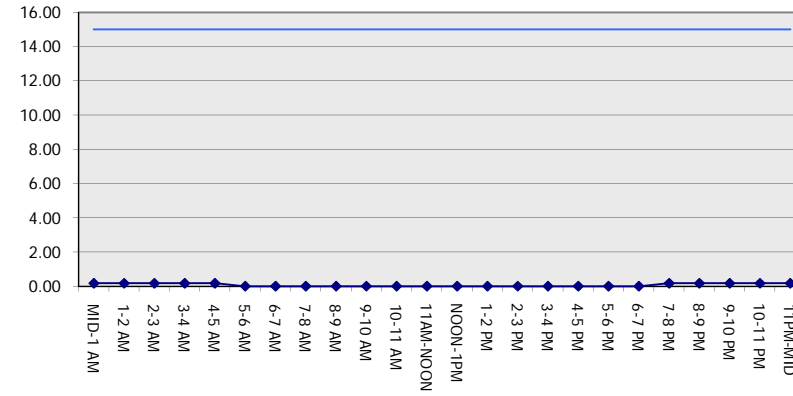
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION

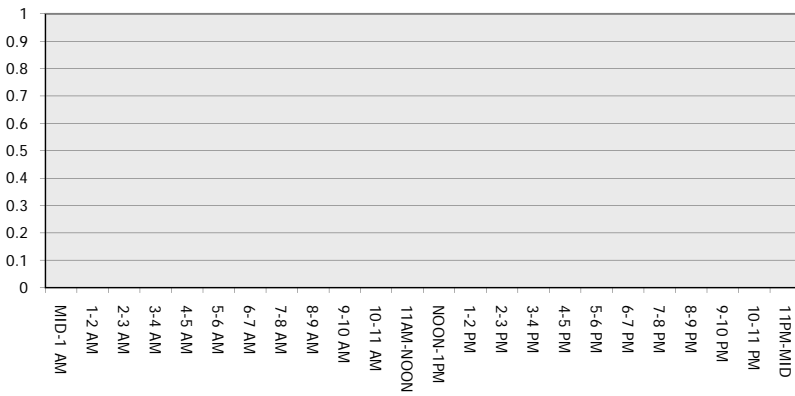
Main Route - Traffic Demand (Vehicles Per Hour)



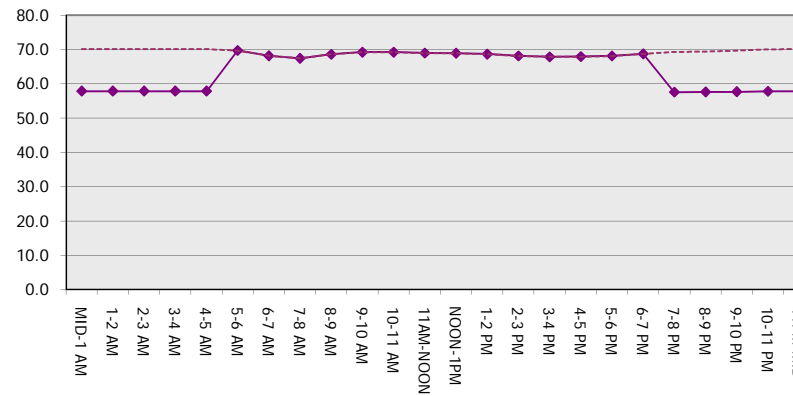
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

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	337	0.0	3000	337	0	0.18	0	70.2	57.9	49.7
1-2 AM	232	0.0	3000	232	0	0.18	0	70.2	57.9	49.7
2-3 AM	193	0.0	3000	193	0	0.18	0	70.2	57.9	49.7
3-4 AM	240	0.0	3000	240	0	0.18	0	70.2	57.9	49.7
4-5 AM	587	0.0	3000	587	0	0.18	0	70.0	57.8	49.7
5-6 AM	2471	0.0	OFF	2471	0	0.00	0	67.7	67.7	67.7
6-7 AM	4996	0.0	OFF	4996	0	0.00	0	56.7	56.7	56.7
7-8 AM	5557	0.0	OFF	5557	0	0.00	0	52.9	52.9	52.9
8-9 AM	5091	0.0	OFF	5091	0	0.00	0	56.1	56.1	56.1
9-10 AM	3358	0.0	OFF	3358	0	0.00	0	66.6	66.6	66.6
10-11 AM	2813	0.0	OFF	2813	0	0.00	0	67.3	67.3	67.3
11AM-NOON	2988	0.0	OFF	2988	0	0.00	0	67.0	67.0	67.0
NOON-1PM	2936	0.0	OFF	2936	0	0.00	0	67.1	67.1	67.1
1-2 PM	2925	0.0	OFF	2925	0	0.00	0	67.1	67.1	67.1
2-3 PM	3049	0.0	OFF	3049	0	0.00	0	66.9	66.9	66.9
3-4 PM	3449	0.0	OFF	3449	0	0.00	0	66.4	66.4	66.4
4-5 PM	4112	0.0	OFF	4112	0	0.00	0	62.8	62.8	62.8
5-6 PM	4238	0.0	OFF	4238	0	0.00	0	61.9	61.9	61.9
6-7 PM	3343	0.0	OFF	3343	0	0.00	0	66.6	66.6	66.6
7-8 PM	2321	0.0	3000	2321	0	0.17	0	67.9	57.1	49.7
8-9 PM	2071	0.0	3000	2071	0	0.17	0	68.2	57.2	49.7
9-10 PM	1758	0.0	3000	1758	0	0.17	0	68.6	57.3	49.7
10-11 PM	1247	0.0	3000	1247	0	0.18	0	69.2	57.6	49.7
11PM-MID	717	0.0	3000	717	0	0.18	0	69.9	57.8	49.7

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

----- 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	0.0087
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$334
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR EASTBOUND DIRECTION

