

**IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

OCTOBER
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
FRIDAY 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	320	0.0	1500	320	0	0.26	0	70.2	53.8	44.2	
1-2 AM	257	0.0	1500	257	0	0.25	0	70.2	54.0	44.5	
2-3 AM	184	0.0	1500	184	0	0.25	0	70.2	54.3	44.8	
3-4 AM	167	0.0	1500	167	0	0.25	0	70.2	54.3	44.8	
4-5 AM	267	0.0	1500	267	0	0.26	0	70.2	54.0	44.4	
5-6 AM	779	0.0	1500	779	0	0.28	0	69.7	52.4	42.5	
6-7 AM	2002	0.0	1499	2002	0	5.65	191	68.2	10.8	30.8	
7-8 AM	2694	0.0	1499	1458	1237	16.92+	429	67.4	5.4	30.8	
8-9 AM	1811	0.0	1499	1457	354	16.50+	417	68.5	5.5	30.8	
9-10 AM	1442	0.0	1499	1442	0	15.74+	397	68.9	5.5	30.8	
10-11 AM	1489	0.0	1500	1489	0	13.71	344	68.9	5.9	30.8	
11AM-NOON	1730	0.0	1500	1598	133	16.18+	409	68.6	5.5	30.8	
NOON-1PM	1727	0.0	1499	1495	232	16.63+	421	68.6	5.4	30.8	
1-2 PM	1812	0.0	1499	1498	315	16.65+	421	68.5	5.4	30.8	
2-3 PM	2150	0.0	1499	1498	652	16.66+	422	68.1	5.4	30.8	
3-4 PM	2214	0.0	1499	1498	716	16.67+	422	68.0	5.4	30.8	
4-5 PM	2121	0.0	1499	1498	622	16.66+	422	68.1	5.4	30.8	
5-6 PM	2023	0.0	1499	1499	524	16.66+	421	68.2	5.4	30.8	
6-7 PM	1469	0.0	1500	1418	51	16.03+	405	68.9	5.5	30.8	
7-8 PM	974	0.0	1499	974	0	1.99	131	69.6	22.8	38.1	
8-9 PM	868	0.0	1500	868	0	0.29	0	69.7	52.1	42.2	
9-10 PM	1040	0.0	1500	1040	0	0.30	0	69.4	51.6	41.5	
10-11 PM	824	0.0	1500	824	0	0.29	0	69.7	52.2	42.3	
11PM-MID	669	0.0	1500	669	0	0.28	0	69.9	52.7	42.8	

+ 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	0.0049
MAIN ROUTE WITH WORKS	0.0013
'DIVERSION'	0.0018
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$86,018
CONGESTED HOURS PER DAY*	11

*Delays Exceeding User-Specified Maximum

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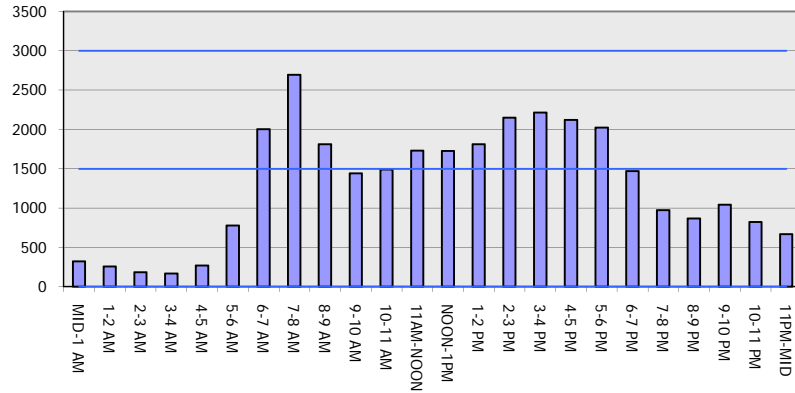
OCTOBER

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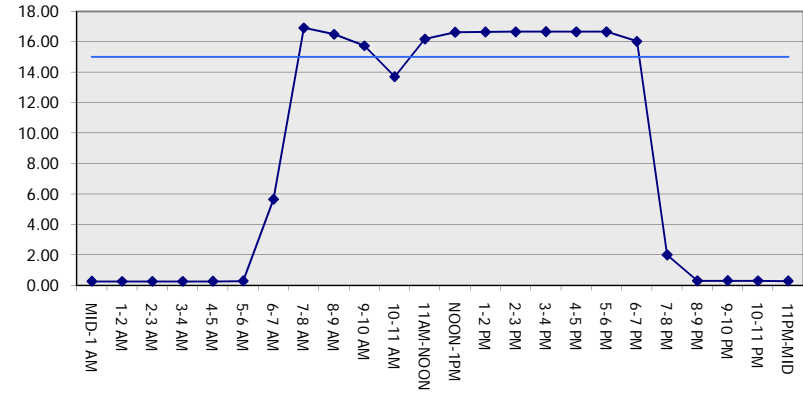
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION

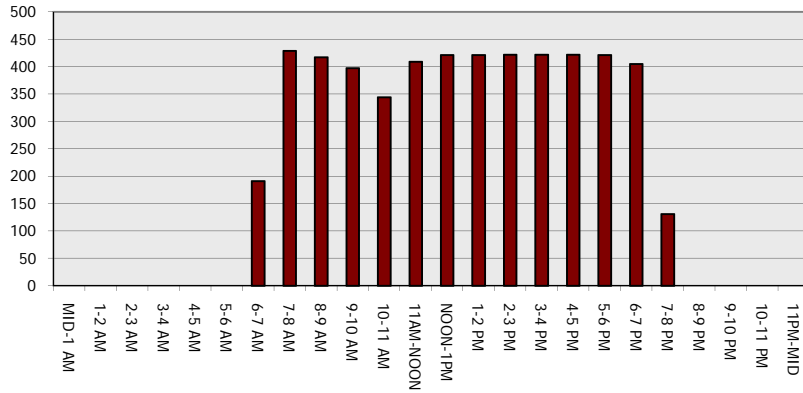
Main Route - Traffic Demand (Vehicles Per Hour)



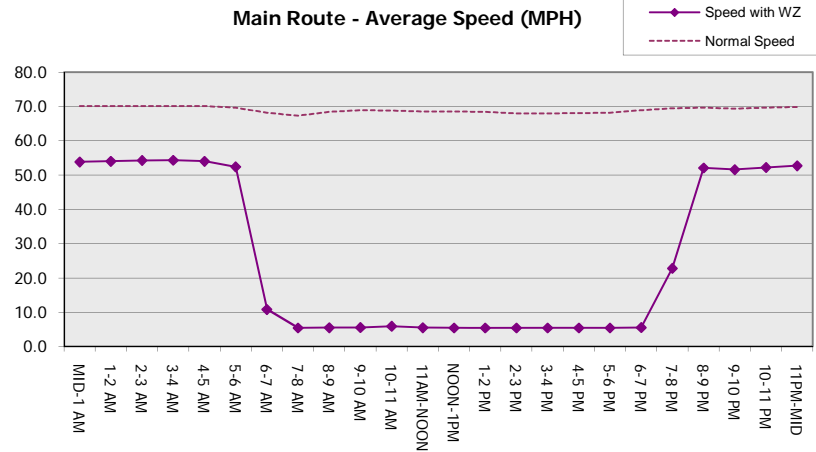
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	442	0.0	1500	442	0	0.54	31	70.2	43.2	43.5
1-2 AM	289	0.0	1500	289	0	0.26	0	70.2	54.0	44.3
2-3 AM	218	0.0	1500	218	0	0.25	0	70.2	54.2	44.6
3-4 AM	275	0.0	1500	275	0	0.26	0	70.2	54.0	44.4
4-5 AM	568	0.0	1500	568	0	0.27	0	70.0	53.1	43.2
5-6 AM	2409	0.0	1499	1933	477	8.42+	253	67.8	8.1	30.8
6-7 AM	4300	0.0	1499	1500	2800	17.02+	435	61.5	5.3	30.8
7-8 AM	4823	0.0	1500	1500	3323	16.92+	435	57.9	5.3	30.8
8-9 AM	4476	0.0	1500	1500	2976	16.99+	435	60.3	5.3	30.8
9-10 AM	3106	0.0	1500	1498	1608	17.03+	432	66.9	5.3	30.8
10-11 AM	2641	0.0	1500	1495	1146	16.72+	423	67.4	5.4	30.8
11AM-NOON	3026	0.0	1499	1506	1520	17.03+	432	66.9	5.3	30.8
NOON-1PM	2930	0.0	1500	1499	1431	16.95+	430	67.1	5.4	30.8
1-2 PM	3173	0.0	1499	1502	1670	17.13+	435	66.8	5.3	30.8
2-3 PM	3291	0.0	1500	1500	1791	17.14+	435	66.6	5.3	30.8
3-4 PM	3818	0.0	1499	1500	2318	17.10+	435	64.8	5.3	30.8
4-5 PM	4305	0.0	1499	1500	2805	17.02+	435	61.4	5.3	30.8
5-6 PM	4676	0.0	1500	1500	3176	16.95+	435	58.9	5.3	30.8
6-7 PM	3910	0.0	1499	1500	2410	17.09+	435	64.1	5.3	30.8
7-8 PM	2898	0.0	1500	1496	1402	16.93+	429	67.1	5.4	30.8
8-9 PM	2309	0.0	1500	1499	810	16.67+	422	67.9	5.4	30.8
9-10 PM	2473	0.0	1499	1499	974	16.68+	422	67.7	5.4	30.8
10-11 PM	1974	0.0	1500	1499	475	16.66+	421	68.3	5.4	30.8
11PM-MID	1332	0.0	1499	1313	18	14.71+	374	69.1	5.8	31.0

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0101
MAIN ROUTE WITH WORKS	0.0015
'DIVERSION'	0.0122

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$229,060
CONGESTED HOURS PER DAY*	19

*Delays Exceeding User-Specified Maximum

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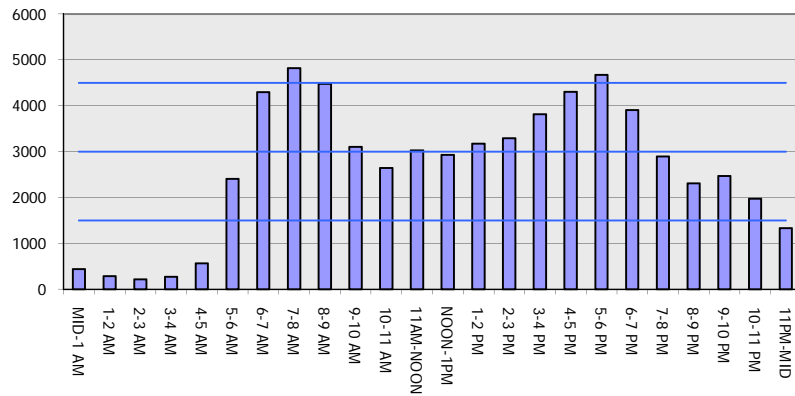
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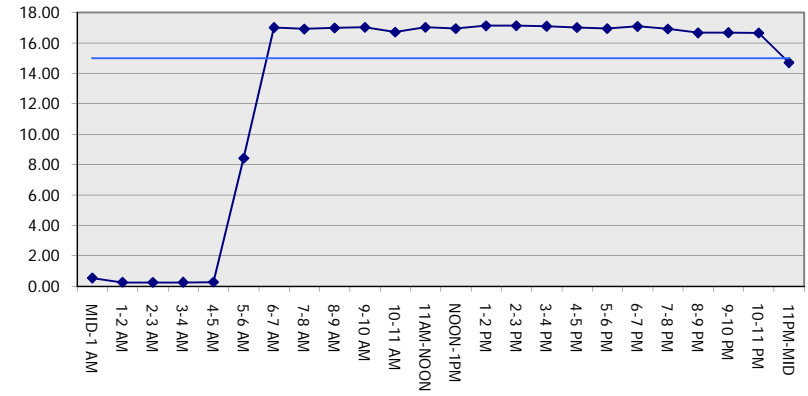
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY EASTBOUND DIRECTION

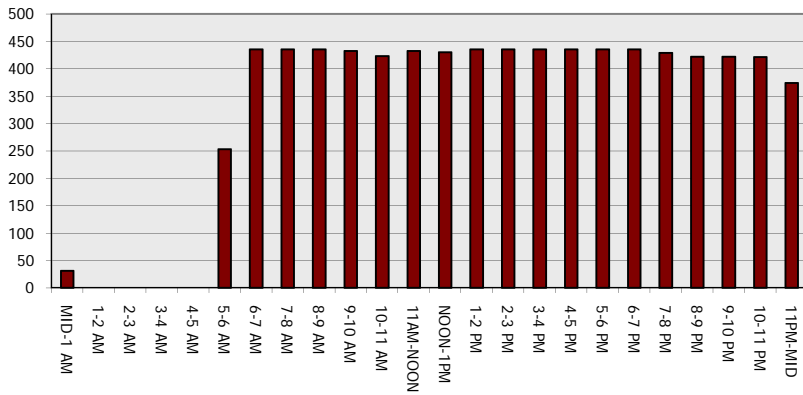
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

