

IH 794: LINCOLN AVE TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) OFF-PEAK DAY 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	178	0.0	OFF	178	0	0.00	0	70.2	70.2	70.2
1-2 AM	108	0.0	OFF	108	0	0.00	0	70.2	70.2	70.2
2-3 AM	90	0.0	OFF	90	0	0.00	0	70.2	70.2	70.2
3-4 AM	81	0.0	OFF	81	0	0.00	0	70.2	70.2	70.2
4-5 AM	175	0.0	OFF	175	0	0.00	0	70.2	70.2	70.2
5-6 AM	827	0.0	OFF	827	0	0.00	0	69.7	69.7	69.7
6-7 AM	2315	0.0	OFF	2315	0	0.00	0	67.9	67.9	67.9
7-8 AM	3759	0.0	OFF	3759	0	0.00	0	65.2	65.2	65.2
8-9 AM	2726	0.0	OFF	2726	0	0.00	0	67.3	67.3	67.3
9-10 AM	1386	0.0	OFF	1386	0	0.00	0	69.0	69.0	69.0
10-11 AM	1091	0.0	1500	1091	0	0.60	0	69.4	51.6	41.4
11AM-NOON	1074	0.0	1500	1074	0	0.59	0	69.4	51.6	41.4
NOON-1PM	1118	0.0	1500	1118	0	0.60	0	69.4	51.5	41.3
1-2 PM	1169	0.0	1500	1169	0	0.67	0	69.3	50.1	39.4
2-3 PM	1237	0.0	1500	1237	0	0.76	0	69.2	48.2	37.3
3-4 PM	1332	0.0	OFF	1332	0	0.00	0	69.1	69.1	69.1
4-5 PM	1412	0.0	OFF	1412	0	0.00	0	69.0	69.0	69.0
5-6 PM	1364	0.0	OFF	1364	0	0.00	0	69.1	69.1	69.1
6-7 PM	1152	0.0	OFF	1152	0	0.00	0	69.3	69.3	69.3
7-8 PM	859	0.0	OFF	859	0	0.00	0	69.7	69.7	69.7
8-9 PM	624	0.0	OFF	624	0	0.00	0	70.0	70.0	70.0
9-10 PM	606	0.0	OFF	606	0	0.00	0	70.0	70.0	70.0
10-11 PM	583	0.0	OFF	583	0	0.00	0	70.0	70.0	70.0
11PM-MID	378	0.0	OFF	378	0	0.00	0	70.2	70.2	70.2

"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	0.0082
MAIN ROUTE WITH WORKS	0.0078
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$759
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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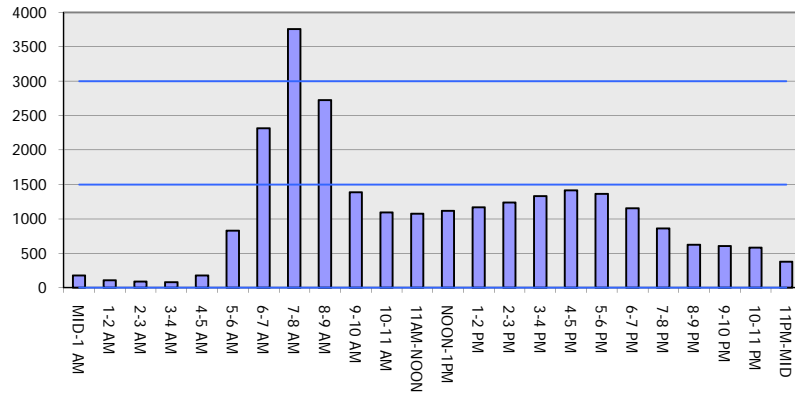
OCTOBER

Analyzed for 2009
 Construction Season

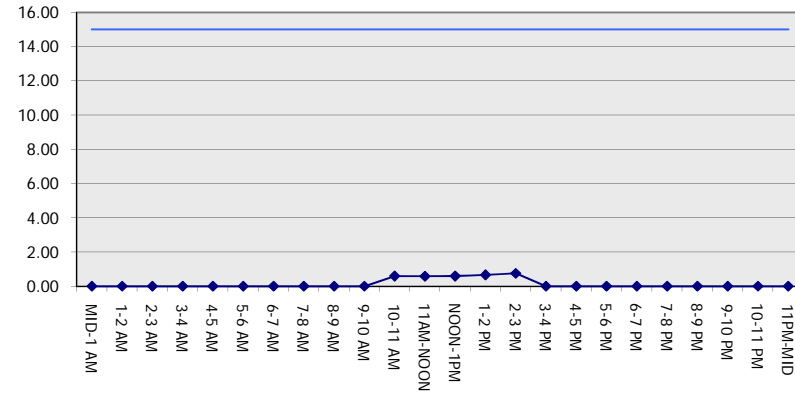
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION

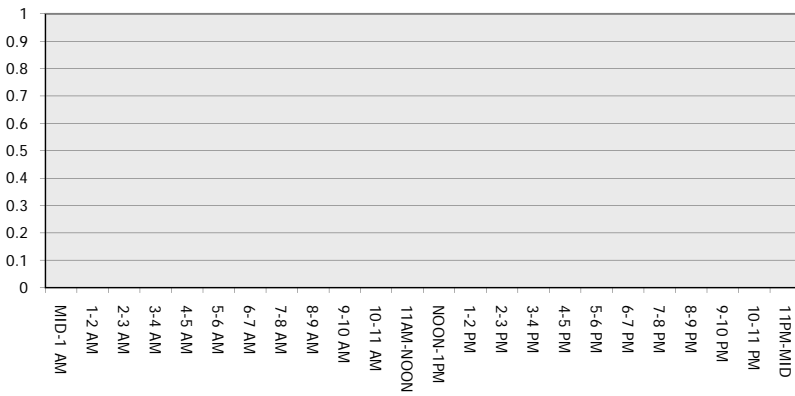
Main Route - Traffic Demand (Vehicles Per Hour)



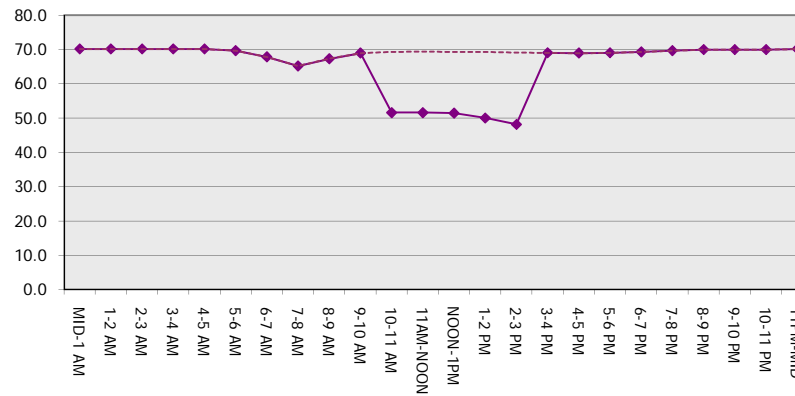
Main Route Average Delay Per Vehicle (Minutes)



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	341	0.0	OFF	341	0	0.00	0	70.2	70.2	70.2
1-2 AM	224	0.0	OFF	224	0	0.00	0	70.2	70.2	70.2
2-3 AM	183	0.0	OFF	183	0	0.00	0	70.2	70.2	70.2
3-4 AM	122	0.0	OFF	122	0	0.00	0	70.2	70.2	70.2
4-5 AM	181	0.0	OFF	181	0	0.00	0	70.2	70.2	70.2
5-6 AM	331	0.0	OFF	331	0	0.00	0	70.2	70.2	70.2
6-7 AM	742	0.0	OFF	742	0	0.00	0	69.8	69.8	69.8
7-8 AM	997	0.0	OFF	997	0	0.00	0	69.5	69.5	69.5
8-9 AM	825	0.0	OFF	825	0	0.00	0	69.7	69.7	69.7
9-10 AM	725	0.0	OFF	725	0	0.00	0	69.9	69.9	69.9
10-11 AM	876	0.0	1500	876	0	0.57	0	69.6	52.2	42.1
11AM-NOON	1038	0.0	1500	1038	0	0.59	0	69.4	51.7	41.5
NOON-1PM	1279	0.0	1500	1279	0	0.81	0	69.1	47.1	36.1
1-2 PM	1291	0.0	1499	1291	0	0.82	0	69.1	46.9	35.8
2-3 PM	1794	0.0	1499	1794	0	4.13	109	68.5	20.4	30.8
3-4 PM	2477	0.0	OFF	2477	0	0.13	12	67.6	63.0	63.0
4-5 PM	3185	0.0	OFF	3185	0	0.00	0	66.8	66.8	66.8
5-6 PM	3081	0.0	OFF	3081	0	0.00	0	66.9	66.9	66.9
6-7 PM	1488	0.0	OFF	1488	0	0.00	0	68.9	68.9	68.9
7-8 PM	997	0.0	OFF	997	0	0.00	0	69.5	69.5	69.5
8-9 PM	779	0.0	OFF	779	0	0.00	0	69.7	69.7	69.7
9-10 PM	811	0.0	OFF	811	0	0.00	0	69.7	69.7	69.7
10-11 PM	794	0.0	OFF	794	0	0.00	0	69.7	69.7	69.7
11PM-MID	633	0.0	OFF	633	0	0.00	0	69.9	69.9	69.9

"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	0.0080
MAIN ROUTE WITH WORKS	0.0076
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,255
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

