

<b>IH 794: LINCOLN AVE TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	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	132	0.0	3000	132	0	0.36	0	70.2	58.0	49.7
1-2 AM	68	0.0	3000	68	0	0.36	0	70.2	58.0	49.7
2-3 AM	68	0.0	3000	68	0	0.36	0	70.2	58.0	49.7
3-4 AM	77	0.0	3000	77	0	0.36	0	70.2	58.0	49.7
4-5 AM	175	0.0	3000	175	0	0.36	0	70.2	58.0	49.7
5-6 AM	857	0.0	3000	857	0	0.35	0	69.7	57.8	49.7
6-7 AM	2286	0.0	2999	2286	0	0.42	0	67.9	54.8	46.3
7-8 AM	3992	0.0	2999	3992	0	7.92+	473	63.6	14.6	37.3
8-9 AM	3013	0.0	2999	2711	301	15.76+	829	67.0	10.4	37.3
9-10 AM	1324	0.0	3000	1324	0	1.53	173	69.1	37.9	49.7
10-11 AM	1007	0.0	3000	1007	0	0.35	0	69.5	57.8	49.7
11AM-NOON	930	0.0	3000	930	0	0.35	0	69.6	57.8	49.7
NOON-1PM	987	0.0	3000	987	0	0.35	0	69.5	57.8	49.7
1-2 PM	1028	0.0	3000	1028	0	0.35	0	69.4	57.8	49.7
2-3 PM	1138	0.0	3000	1138	0	0.35	0	69.3	57.7	49.7
3-4 PM	1284	0.0	3000	1284	0	0.35	0	69.1	57.6	49.7
4-5 PM	1307	0.0	3000	1307	0	0.35	0	69.1	57.6	49.7
5-6 PM	1236	0.0	3000	1236	0	0.35	0	69.2	57.6	49.7
6-7 PM	1001	0.0	3000	1001	0	0.35	0	69.5	57.8	49.7
7-8 PM	686	0.0	3000	686	0	0.36	0	69.9	57.9	49.7
8-9 PM	540	0.0	3000	540	0	0.36	0	70.0	57.9	49.7
9-10 PM	500	0.0	3000	500	0	0.36	0	70.1	57.9	49.7
10-11 PM	386	0.0	3000	386	0	0.36	0	70.2	58.0	49.7
11PM-MID	252	0.0	3000	252	0	0.36	0	70.2	58.0	49.7

+ 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	0.0077
MAIN ROUTE WITH WORKS	0.0061
'DIVERSION'	0.0002
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$19,397
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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**CONTINUOUS (24 HOUR) CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**OCTOBER**

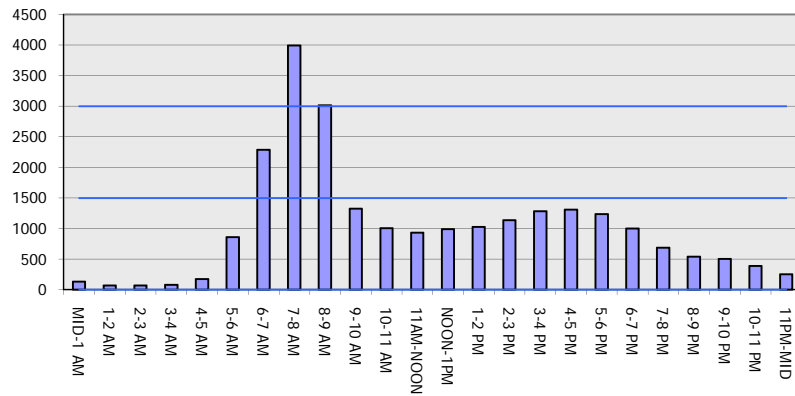
Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

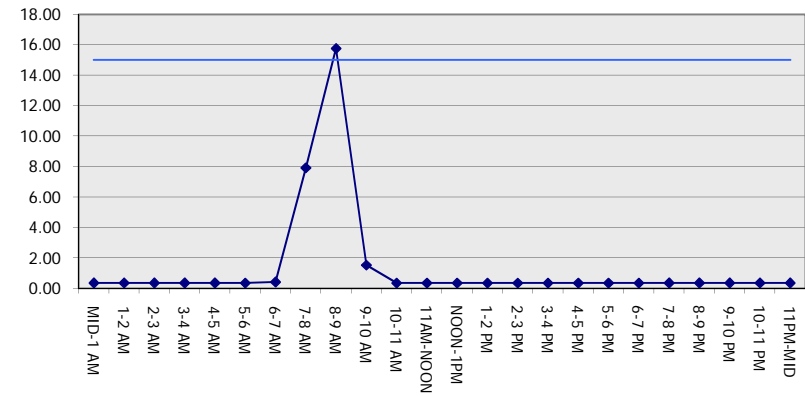
**MON-THUR**

**WESTBOUND DIRECTION**

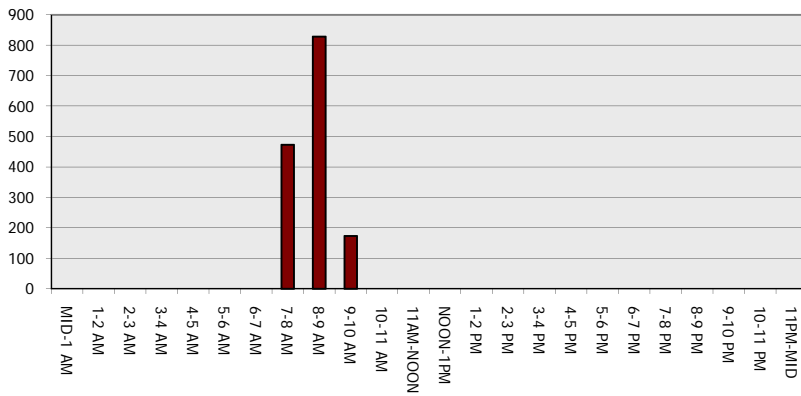
**Main Route - Traffic Demand (Vehicles Per Hour)**



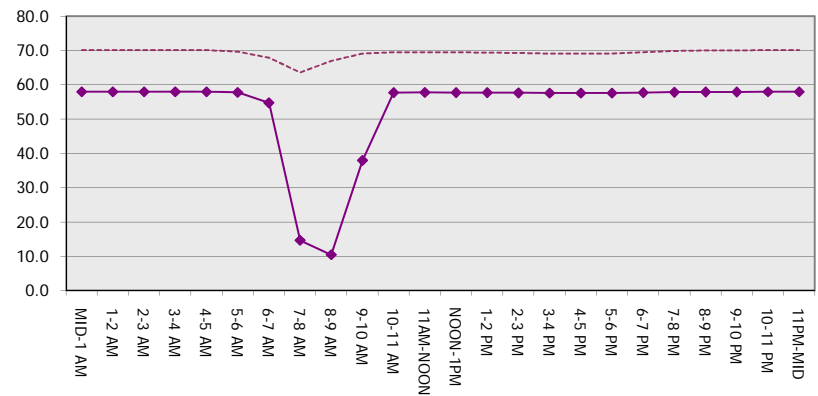
**Main Route Average Delay Per Vehicle (Minutes)**



**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	206	0.0	3000	206	0	0.36	0	70.2	58.0	49.7
1-2 AM	133	0.0	3000	133	0	0.36	0	70.2	58.0	49.7
2-3 AM	107	0.0	3000	107	0	0.36	0	70.2	58.0	49.7
3-4 AM	84	0.0	3000	84	0	0.36	0	70.2	58.0	49.7
4-5 AM	120	0.0	3000	120	0	0.36	0	70.2	58.0	49.7
5-6 AM	306	0.0	3000	306	0	0.36	0	70.2	58.0	49.7
6-7 AM	695	0.0	3000	695	0	0.36	0	69.9	57.9	49.7
7-8 AM	1043	0.0	3000	1043	0	0.35	0	69.4	57.8	49.7
8-9 AM	819	0.0	3000	819	0	0.35	0	69.7	57.8	49.7
9-10 AM	689	0.0	3000	689	0	0.36	0	69.9	57.9	49.7
10-11 AM	745	0.0	3000	745	0	0.35	0	69.8	57.9	49.7
11AM-NOON	948	0.0	3000	948	0	0.35	0	69.6	57.8	49.7
NOON-1PM	1102	0.0	3000	1102	0	0.35	0	69.4	57.7	49.7
1-2 PM	1111	0.0	3000	1111	0	0.35	0	69.4	57.7	49.7
2-3 PM	1670	0.0	3000	1670	0	0.34	0	68.7	57.5	49.7
3-4 PM	2377	0.0	2999	2377	0	0.38	0	67.8	55.7	47.6
4-5 PM	3129	0.0	2999	3129	0	1.20	32	66.8	40.0	37.3
5-6 PM	3444	0.0	3000	3444	0	7.54	396	66.4	14.5	37.3
6-7 PM	1737	0.0	2999	1737	0	1.64	167	68.6	36.3	48.5
7-8 PM	1167	0.0	3000	1167	0	0.35	0	69.3	57.7	49.7
8-9 PM	956	0.0	3000	956	0	0.35	0	69.6	57.8	49.7
9-10 PM	792	0.0	3000	792	0	0.35	0	69.7	57.9	49.7
10-11 PM	665	0.0	3000	665	0	0.36	0	69.9	57.9	49.7
11PM-MID	501	0.0	3000	501	0	0.36	0	70.1	57.9	49.7

*----- 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	0.0078
MAIN ROUTE WITH WORKS	0.0062
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,559
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**

