

<b>IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)                  NIGHTTIME 2 LANE CLOSURE                  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	662	0.0	1500	662	0	0.90	19	69.9	48.7	42.8	
1-2 AM	419	0.0	1500	419	0	0.52	0	70.2	55.9	43.8	
2-3 AM	332	0.0	1500	332	0	0.51	0	70.2	56.1	44.2	
3-4 AM	383	0.0	1500	383	0	0.52	0	70.2	56.0	44.0	
4-5 AM	710	0.0	1500	710	0	0.56	0	69.9	55.0	42.7	
5-6 AM	2179	0.0	OFF	2179	0	0.00	0	68.0	68.0	68.0	
6-7 AM	4398	0.0	OFF	4398	0	0.00	0	60.8	60.8	60.8	
7-8 AM	5803	0.0	OFF	5803	0	0.00	0	51.2	51.2	51.2	
8-9 AM	4964	0.0	OFF	4964	0	0.00	0	56.9	56.9	56.9	
9-10 AM	3791	0.0	OFF	3791	0	0.00	0	65.0	65.0	65.0	
10-11 AM	3677	0.0	OFF	3677	0	0.00	0	65.8	65.8	65.8	
11AM-NOON	4109	0.0	OFF	4109	0	0.00	0	62.8	62.8	62.8	
NOON-1PM	4390	0.0	OFF	4390	0	0.00	0	60.9	60.9	60.9	
1-2 PM	4636	0.0	OFF	4636	0	0.00	0	59.2	59.2	59.2	
2-3 PM	5724	0.0	OFF	5724	0	0.00	0	51.7	51.7	51.7	
3-4 PM	6293	0.0	OFF	6293	0	0.00	0	47.9	47.9	47.9	
4-5 PM	5721	0.0	OFF	5721	0	0.00	0	51.8	51.8	51.8	
5-6 PM	5476	0.0	OFF	5476	0	0.00	0	53.5	53.5	53.5	
6-7 PM	4916	0.0	OFF	4916	0	0.00	0	57.3	57.3	57.3	
7-8 PM	3455	0.0	1499	1560	1895	16.79+	420	66.4	8.1	36.6	
8-9 PM	2838	0.0	1499	1613	1225	14.49+	383	67.2	9.1	35.8	
9-10 PM	2456	0.0	1499	1760	696	15.26+	380	67.7	8.6	31.5	
10-11 PM	1804	0.0	1499	1476	328	16.46+	402	68.5	8.1	30.8	
11PM-MID	1259	0.0	1499	1259	0	12.95+	324	69.2	9.7	31.5	

"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	0.0307
MAIN ROUTE WITH WORKS	0.0284
'DIVERSION'	0.0037
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$42,147
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

**IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)  
NIGHTTIME 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**OCTOBER**

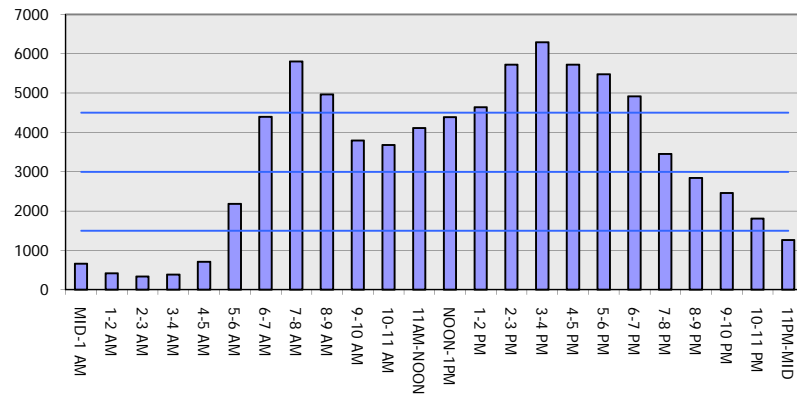
Analyzed for 2009  
Construction Season

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

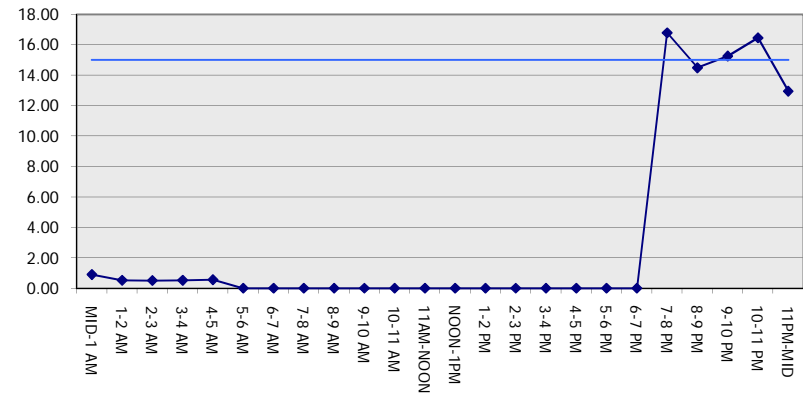
**MON-THUR**

**WESTBOUND DIRECTION**

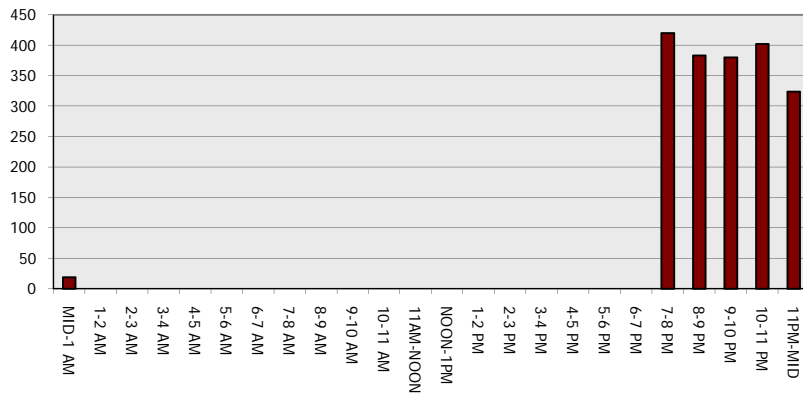
**Main Route - Traffic Demand (Vehicles Per Hour)**



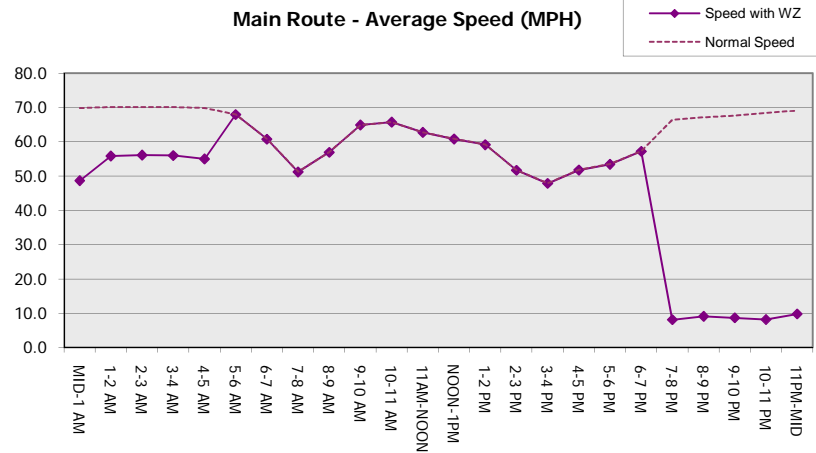
**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**



<b>IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 2 LANE 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                      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	576	0.0	1500	576	0	0.83	15	70.0	49.9	43.2	
1-2 AM	354	0.0	1500	354	0	0.52	0	70.2	56.1	44.1	
2-3 AM	314	0.0	1500	314	0	0.51	0	70.2	56.2	44.2	
3-4 AM	360	0.0	1500	360	0	0.52	0	70.2	56.1	44.0	
4-5 AM	582	0.0	1500	582	0	0.54	0	70.0	55.4	43.2	
5-6 AM	2208	0.0	OFF	2208	0	0.00	0	68.0	68.0	68.0	
6-7 AM	5229	0.0	OFF	5229	0	0.00	0	55.1	55.1	55.1	
7-8 AM	5735	0.0	OFF	5735	0	0.00	0	51.7	51.7	51.7	
8-9 AM	5010	0.0	OFF	5010	0	0.00	0	56.6	56.6	56.6	
9-10 AM	4378	0.0	OFF	4378	0	0.00	0	60.9	60.9	60.9	
10-11 AM	3789	0.0	OFF	3789	0	0.00	0	65.0	65.0	65.0	
11AM-NOON	3997	0.0	OFF	3997	0	0.00	0	63.5	63.5	63.5	
NOON-1PM	4115	0.0	OFF	4115	0	0.00	0	62.7	62.7	62.7	
1-2 PM	4154	0.0	OFF	4154	0	0.00	0	62.5	62.5	62.5	
2-3 PM	4688	0.0	OFF	4688	0	0.00	0	58.8	58.8	58.8	
3-4 PM	5043	0.0	OFF	5043	0	0.00	0	56.4	56.4	56.4	
4-5 PM	5029	0.0	OFF	5029	0	0.00	0	56.5	56.5	56.5	
5-6 PM	5160	0.0	OFF	5160	0	0.00	0	55.6	55.6	55.6	
6-7 PM	4476	0.0	OFF	4476	0	0.00	0	60.3	60.3	60.3	
7-8 PM	3443	0.0	1499	1560	1883	16.78+	420	66.4	8.1	36.6	
8-9 PM	2845	0.0	1499	1613	1233	14.49+	383	67.2	9.1	35.9	
9-10 PM	2688	0.0	1499	1810	878	15.62+	387	67.4	8.5	30.8	
10-11 PM	1957	0.0	1499	1443	514	16.35+	399	68.3	8.2	30.8	
11PM-MID	1257	0.0	1499	1235	21	13.03+	328	69.2	9.7	31.9	

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

+ 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	0.0295
MAIN ROUTE WITH WORKS	0.0272
'DIVERSION'	0.0040

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$43,633
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**OCTOBER**

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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT  
 MON-THUR EASTBOUND DIRECTION**

