

<b>IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)                  CONTINUOUS (24 HOUR) 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	1556	0.0	1499	1556	0	1.98	25	68.8	35.3	30.8
1-2 AM	1149	0.0	1500	1149	0	0.80	5	69.3	50.1	39.7
2-3 AM	1193	0.0	1500	1193	0	0.70	0	69.2	51.9	38.7
3-4 AM	605	0.0	1500	605	0	0.54	0	70.0	55.3	43.1
4-5 AM	364	0.0	1500	364	0	0.52	0	70.2	56.0	44.0
5-6 AM	470	0.0	1500	470	0	0.53	0	70.2	55.8	43.6
6-7 AM	895	0.0	1500	895	0	0.58	0	69.6	54.5	42.0
7-8 AM	1102	0.0	1499	1102	0	0.63	0	69.4	53.2	40.4
8-9 AM	1498	0.0	1499	1498	0	1.48	15	68.9	40.3	32.2
9-10 AM	2113	0.0	1500	1819	294	10.40+	279	68.1	11.7	30.8
10-11 AM	2892	0.0	1499	1506	1386	16.58+	406	67.1	8.1	30.8
11AM-NOON	3512	0.0	1500	1500	2012	16.61+	408	66.4	8.1	30.8
NOON-1PM	3838	0.0	1500	1500	2338	16.54+	408	64.6	8.1	30.8
1-2 PM	3740	0.0	1500	1500	2240	16.57+	408	65.3	8.1	30.8
2-3 PM	3788	0.0	1500	1500	2288	16.56+	408	65.0	8.1	30.8
3-4 PM	3731	0.0	1500	1500	2231	16.57+	408	65.4	8.1	30.8
4-5 PM	3598	0.0	1500	1500	2098	16.60+	408	66.3	8.1	30.8
5-6 PM	3227	0.0	1500	1502	1725	16.61+	407	66.7	8.1	30.8
6-7 PM	2876	0.0	1500	1505	1371	16.57+	406	67.1	8.1	30.8
7-8 PM	2380	0.0	1500	1500	880	16.54+	405	67.8	8.1	30.8
8-9 PM	1776	0.0	1500	1500	275	16.55+	404	68.5	8.1	30.8
9-10 PM	1675	0.0	1500	1500	175	16.56+	404	68.7	8.1	30.8
10-11 PM	1411	0.0	1500	1411	0	15.20+	370	69.0	8.6	30.8
11PM-MID	1047	0.0	1499	1047	0	2.48	99	69.4	31.6	38.8

+ 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	0.0193
MAIN ROUTE WITH WORKS	0.0098
'DIVERSION'	0.0171
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$185,760
CONGESTED HOURS PER DAY*	14

\*Delays Exceeding User-Specified Maximum

**IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)  
CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

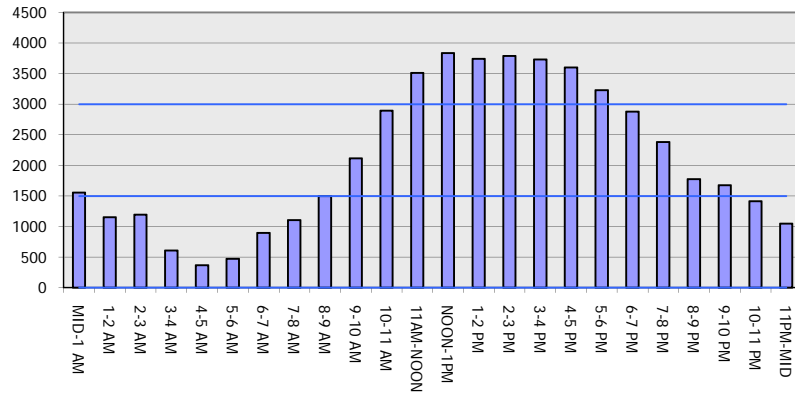
**OCTOBER**

Analyzed for 2009  
Construction Season

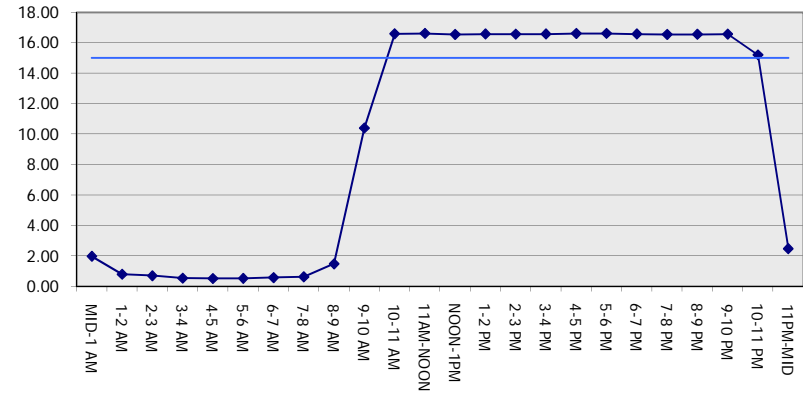
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY WESTBOUND DIRECTION**

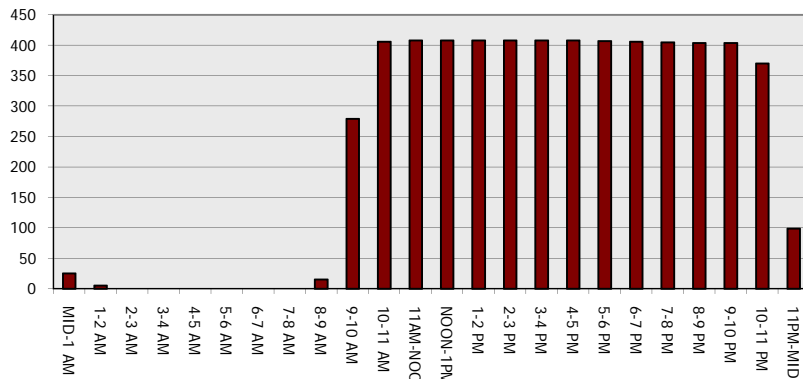
**Main Route - Traffic Demand (Vehicles Per Hour)**



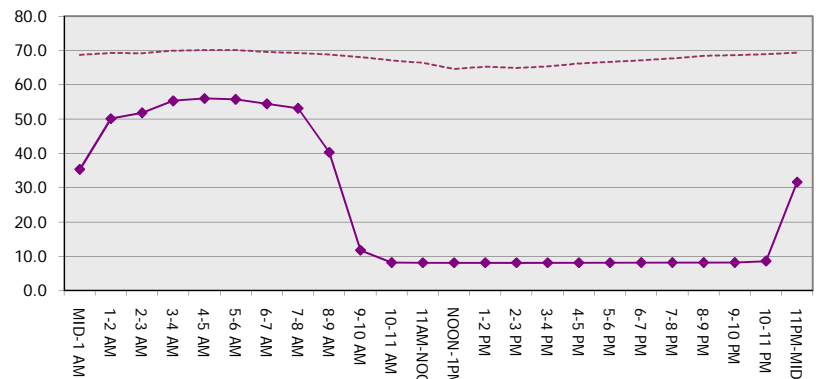
**Main Route Average Delay Per Vehicle (Minutes)**



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



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



<b>IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 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**

SUNDAY 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	1293	0.0	1500	1293	0	0.83	0	69.1	49.4	35.7
1-2 AM	744	0.0	1500	744	0	0.56	0	69.8	54.9	42.6
2-3 AM	586	0.0	1500	586	0	0.54	0	70.0	55.4	43.2
3-4 AM	343	0.0	1500	343	0	0.51	0	70.2	56.1	44.1
4-5 AM	272	0.0	1500	272	0	0.51	0	70.2	56.3	44.4
5-6 AM	457	0.0	1500	457	0	0.53	0	70.2	55.8	43.7
6-7 AM	903	0.0	1500	903	0	0.58	0	69.6	54.4	42.0
7-8 AM	1199	0.0	1499	1199	0	0.70	0	69.2	51.7	38.6
8-9 AM	1599	0.0	1499	1599	0	1.86	27	68.7	36.4	31.0
9-10 AM	2165	0.0	1500	1768	396	12.65+	324	68.1	10.0	30.8
10-11 AM	2630	0.0	1500	1505	1125	16.55+	405	67.4	8.1	30.8
11AM-NOON	2992	0.0	1500	1506	1486	16.59+	407	67.0	8.1	30.8
NOON-1PM	3392	0.0	1500	1500	1892	16.61+	408	66.5	8.1	30.8
1-2 PM	3509	0.0	1500	1500	2009	16.61+	408	66.4	8.1	30.8
2-3 PM	3412	0.0	1500	1500	1912	16.61+	408	66.5	8.1	30.8
3-4 PM	3572	0.0	1500	1500	2072	16.60+	408	66.3	8.1	30.8
4-5 PM	3616	0.0	1500	1500	2116	16.60+	408	66.1	8.1	30.8
5-6 PM	3633	0.0	1500	1500	2133	16.59+	408	66.0	8.1	30.8
6-7 PM	3750	0.0	1500	1500	2250	16.57+	408	65.2	8.1	30.8
7-8 PM	2951	0.0	1500	1504	1447	16.58+	406	67.1	8.1	30.8
8-9 PM	2136	0.0	1500	1500	636	16.55+	405	68.1	8.1	30.8
9-10 PM	1881	0.0	1500	1500	380	16.55+	404	68.4	8.1	30.8
10-11 PM	1411	0.0	1500	1411	0	15.36+	374	69.0	8.5	30.8
11PM-MID	1077	0.0	1499	1077	0	2.91	113	69.4	28.9	37.6

+ 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	0.0189
MAIN ROUTE WITH WORKS	0.0094
'DIVERSION'	0.0176

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$189,003
CONGESTED HOURS PER DAY*	14

\*Delays Exceeding User-Specified Maximum

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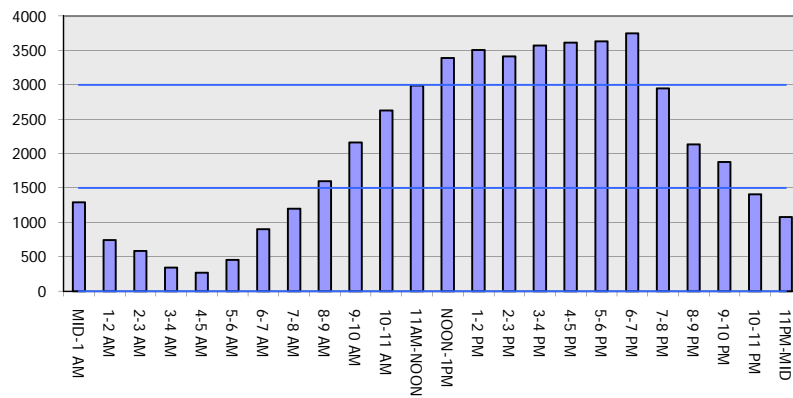
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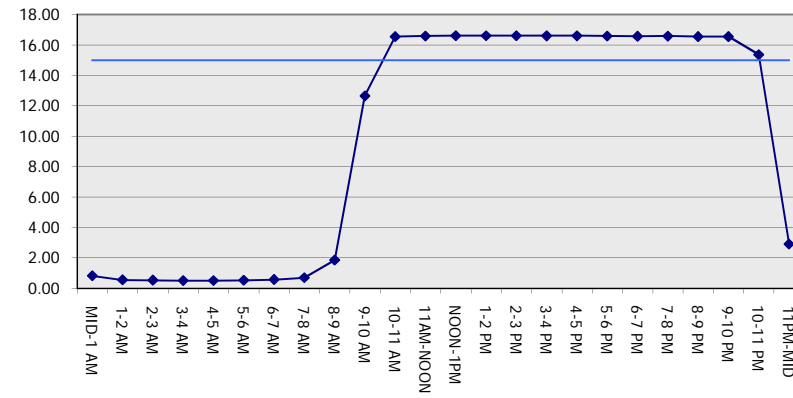
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY EASTBOUND DIRECTION**

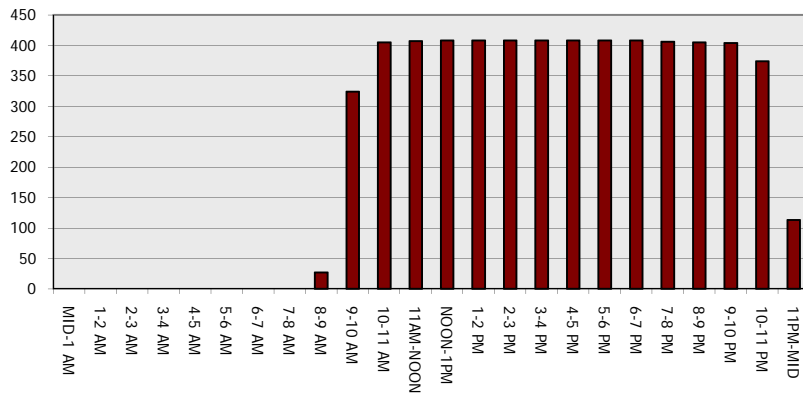
**Main Route - Traffic Demand (Vehicles Per Hour)**



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



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



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

