

<b>IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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	872	0.0	3000	872	0	0.35	0	69.7	59.5	49.7
1-2 AM	509	0.0	3000	509	0	0.36	0	70.1	59.7	49.7
2-3 AM	396	0.0	3000	396	0	0.36	0	70.2	59.7	49.7
3-4 AM	412	0.0	3000	412	0	0.36	0	70.2	59.7	49.7
4-5 AM	752	0.0	3000	752	0	0.35	0	69.8	59.6	49.7
5-6 AM	2167	0.0	OFF	2167	0	0.00	0	68.1	68.1	68.1
6-7 AM	4580	0.0	OFF	4580	0	0.00	0	59.6	59.6	59.6
7-8 AM	5686	0.0	OFF	5686	0	0.00	0	52.0	52.0	52.0
8-9 AM	5188	0.0	OFF	5188	0	0.00	0	55.4	55.4	55.4
9-10 AM	4054	0.0	OFF	4054	0	0.00	0	63.2	63.2	63.2
10-11 AM	3955	0.0	OFF	3955	0	0.00	0	63.8	63.8	63.8
11AM-NOON	4298	0.0	OFF	4298	0	0.00	0	61.5	61.5	61.5
NOON-1PM	4472	0.0	OFF	4472	0	0.00	0	60.3	60.3	60.3
1-2 PM	4478	0.0	OFF	4478	0	0.00	0	60.2	60.2	60.2
2-3 PM	5466	0.0	OFF	5466	0	0.00	0	53.5	53.5	53.5
3-4 PM	5767	0.0	OFF	5767	0	0.00	0	51.5	51.5	51.5
4-5 PM	5221	0.0	OFF	5221	0	0.00	0	55.2	55.2	55.2
5-6 PM	4918	0.0	OFF	4918	0	0.00	0	57.3	57.3	57.3
6-7 PM	4434	0.0	OFF	4434	0	0.00	0	60.5	60.5	60.5
7-8 PM	3088	0.0	2999	3088	0	2.49	99	66.9	31.0	37.3
8-9 PM	2669	0.0	3000	2669	0	0.74	14	67.4	50.1	42.6
9-10 PM	2543	0.0	3000	2543	0	0.43	0	67.6	56.2	45.8
10-11 PM	2098	0.0	3000	2098	0	0.33	0	68.1	58.9	49.7
11PM-MID	1414	0.0	3000	1414	0	0.34	0	69.0	59.2	49.7

"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

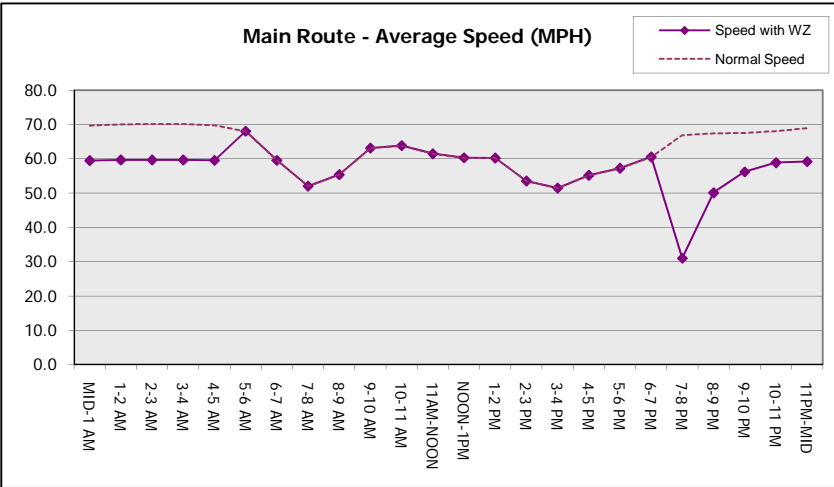
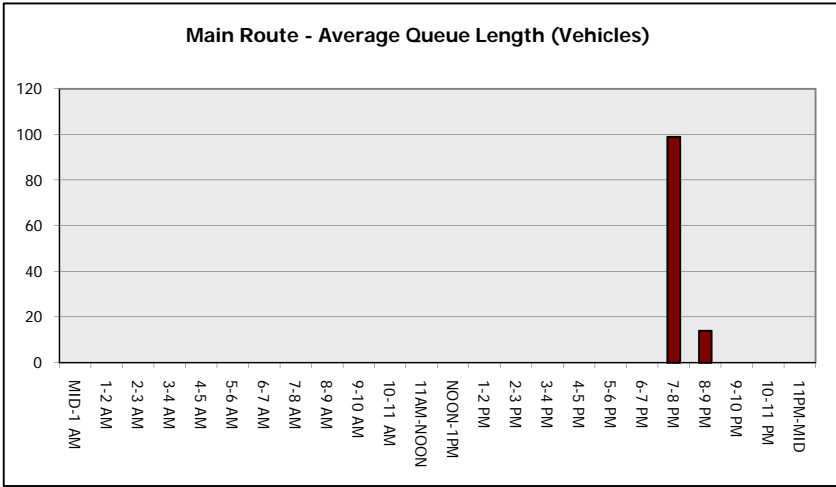
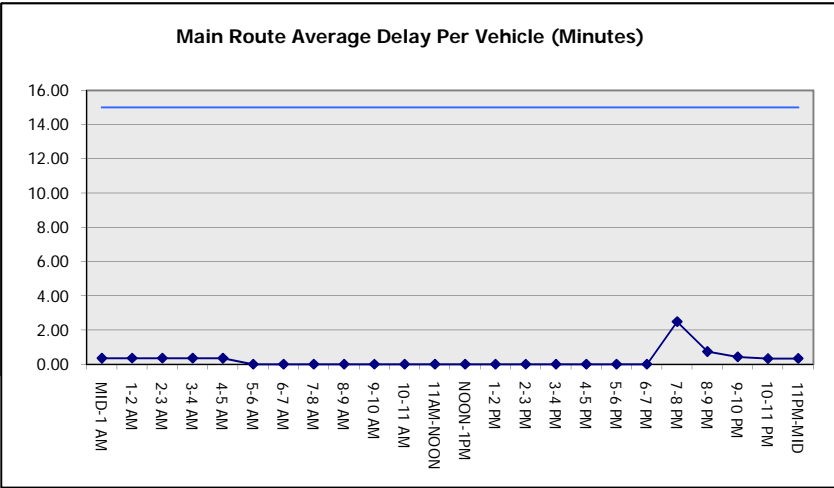
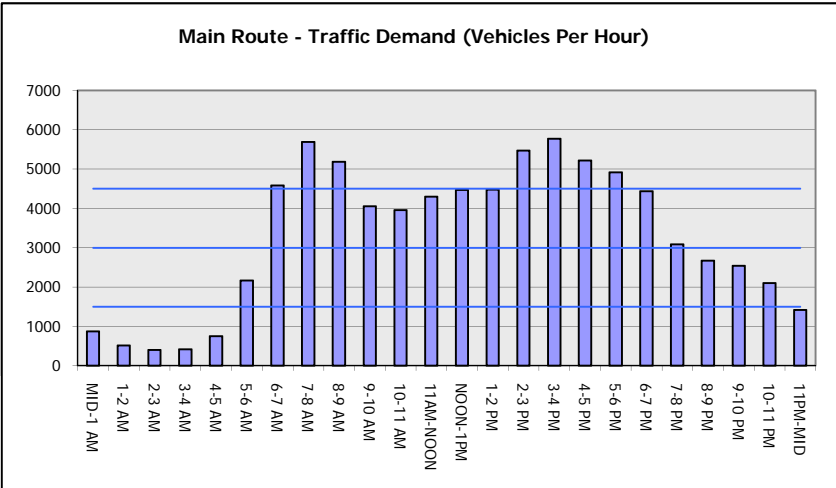
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0303
MAIN ROUTE WITH WORKS	0.0293
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,048
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 94: STH 181 TO USH 41 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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	755	0.0	3000	755	0	0.35	0	69.8	59.6	49.7
1-2 AM	452	0.0	3000	452	0	0.36	0	70.2	59.7	49.7
2-3 AM	395	0.0	3000	395	0	0.36	0	70.2	59.7	49.7
3-4 AM	367	0.0	3000	367	0	0.36	0	70.2	59.7	49.7
4-5 AM	611	0.0	3000	611	0	0.36	0	70.0	59.6	49.7
5-6 AM	2488	0.0	OFF	2488	0	0.00	0	67.6	67.6	67.6
6-7 AM	5542	0.0	OFF	5542	0	0.00	0	53.0	53.0	53.0
7-8 AM	5934	0.0	OFF	5934	0	0.00	0	50.3	50.3	50.3
8-9 AM	5403	0.0	OFF	5403	0	0.00	0	54.0	54.0	54.0
9-10 AM	4297	0.0	OFF	4297	0	0.00	0	61.5	61.5	61.5
10-11 AM	4133	0.0	OFF	4133	0	0.00	0	62.6	62.6	62.6
11AM-NOON	4268	0.0	OFF	4268	0	0.00	0	61.7	61.7	61.7
NOON-1PM	4283	0.0	OFF	4283	0	0.00	0	61.6	61.6	61.6
1-2 PM	4267	0.0	OFF	4267	0	0.00	0	61.7	61.7	61.7
2-3 PM	4864	0.0	OFF	4864	0	0.00	0	57.6	57.6	57.6
3-4 PM	5128	0.0	OFF	5128	0	0.00	0	55.8	55.8	55.8
4-5 PM	5149	0.0	OFF	5149	0	0.00	0	55.7	55.7	55.7
5-6 PM	5210	0.0	OFF	5210	0	0.00	0	55.3	55.3	55.3
6-7 PM	4434	0.0	OFF	4434	0	0.00	0	60.5	60.5	60.5
7-8 PM	3522	0.0	2999	3522	0	5.55	301	66.4	19.2	37.3
8-9 PM	3138	0.0	2999	3138	0	11.64	602	66.8	12.4	37.3
9-10 PM	3125	0.0	3000	3125	0	14.21+	743	66.8	11.4	37.3
10-11 PM	2426	0.0	2999	2426	0	9.91	538	67.7	13.7	39.4
11PM-MID	1814	0.0	3000	1814	0	0.58	22	68.5	53.7	49.7

"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	0.0313
MAIN ROUTE WITH WORKS	0.0302
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,723
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**

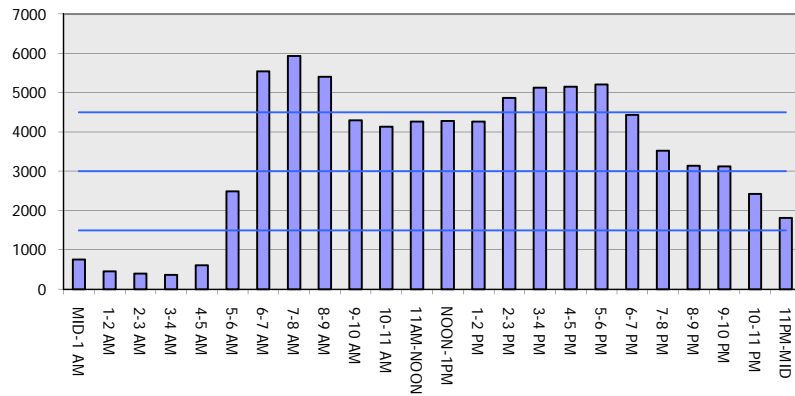
Analyzed for 2009  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

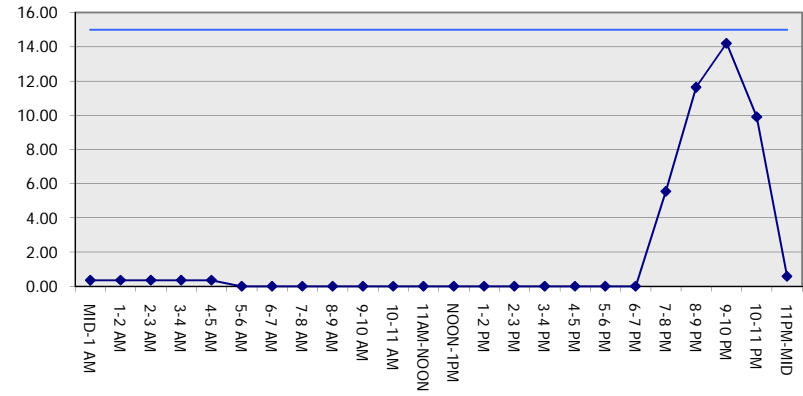
**MON-THUR**

**EASTBOUND DIRECTION**

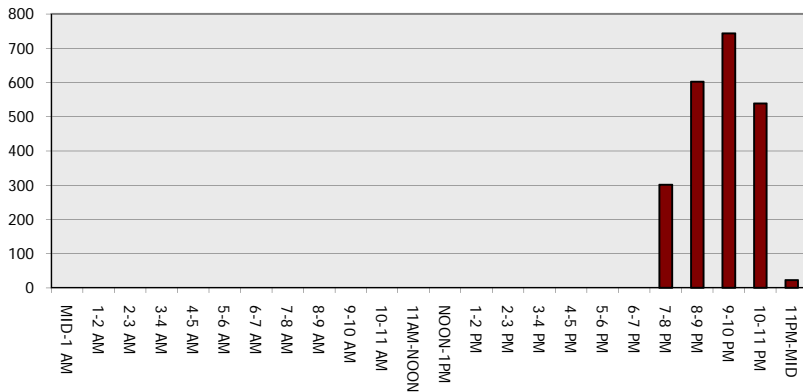
**Main Route - Traffic Demand (Vehicles Per Hour)**



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



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



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

