

<b>IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)</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**

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	724	0.0	3000	724	0	0.36	0	70.2	67.4	49.7
1-2 AM	455	0.0	3000	455	0	0.36	0	70.2	67.4	49.7
2-3 AM	316	0.0	3000	316	0	0.36	0	70.2	67.4	49.7
3-4 AM	245	0.0	3000	245	0	0.36	0	70.2	67.4	49.7
4-5 AM	252	0.0	3000	252	0	0.36	0	70.2	67.4	49.7
5-6 AM	361	0.0	3000	361	0	0.36	0	70.2	67.4	49.7
6-7 AM	580	0.0	3000	580	0	0.36	0	70.2	67.4	49.7
7-8 AM	848	0.0	3000	848	0	0.36	0	70.2	67.4	49.7
8-9 AM	1390	0.0	3000	1390	0	0.36	0	70.2	67.4	49.7
9-10 AM	2048	0.0	OFF	2048	0	0.00	0	69.5	69.5	69.5
10-11 AM	2778	0.0	OFF	2778	0	0.00	0	68.6	68.6	68.6
11AM-NOON	3363	0.0	OFF	3363	0	0.00	0	67.9	67.9	67.9
NOON-1PM	3289	0.0	OFF	3289	0	0.00	0	67.9	67.9	67.9
1-2 PM	3222	0.0	OFF	3222	0	0.00	0	68.1	68.1	68.1
2-3 PM	3071	0.0	OFF	3071	0	0.00	0	68.2	68.2	68.2
3-4 PM	3003	0.0	OFF	3003	0	0.00	0	68.3	68.3	68.3
4-5 PM	3205	0.0	OFF	3205	0	0.00	0	68.1	68.1	68.1
5-6 PM	2952	0.0	OFF	2952	0	0.00	0	68.4	68.4	68.4
6-7 PM	2899	0.0	OFF	2899	0	0.00	0	68.4	68.4	68.4
7-8 PM	2756	0.0	3000	2756	0	0.60	0	68.6	64.3	40.9
8-9 PM	2273	0.0	3000	2273	0	0.35	0	69.2	66.6	49.7
9-10 PM	1723	0.0	3000	1723	0	0.36	0	69.9	67.2	49.7
10-11 PM	1307	0.0	3000	1307	0	0.36	0	70.2	67.4	49.7
11PM-MID	883	0.0	3000	883	0	0.36	0	70.2	67.4	49.7

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

*----- 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	0.0727
MAIN ROUTE WITH WORKS	0.0718
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,332
CONGESTED HOURS PER DAY*	0

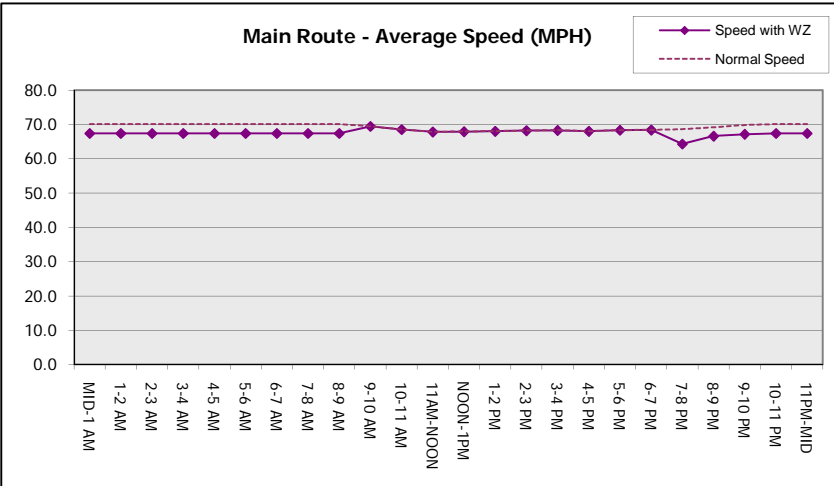
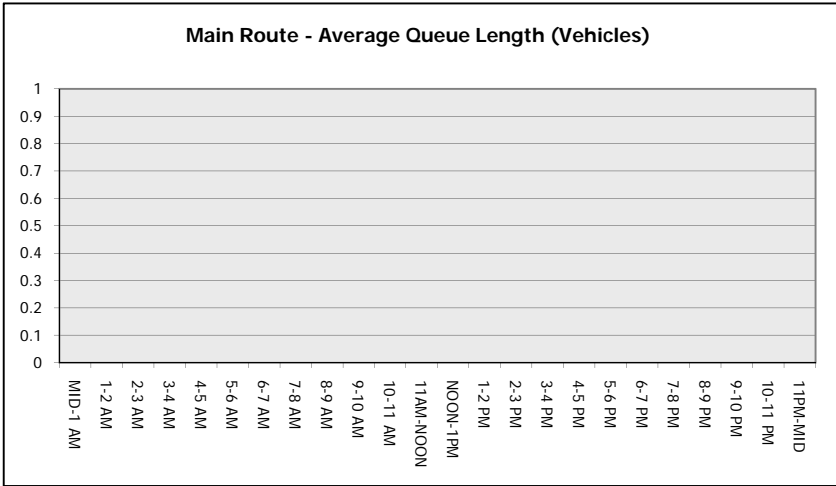
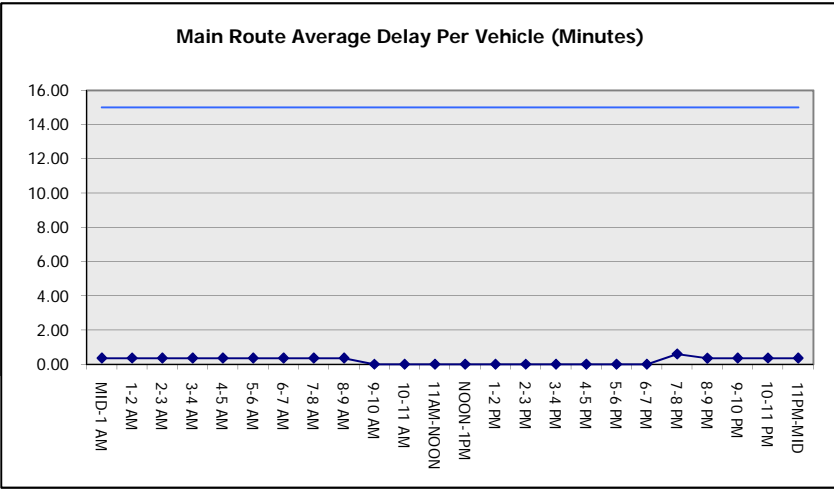
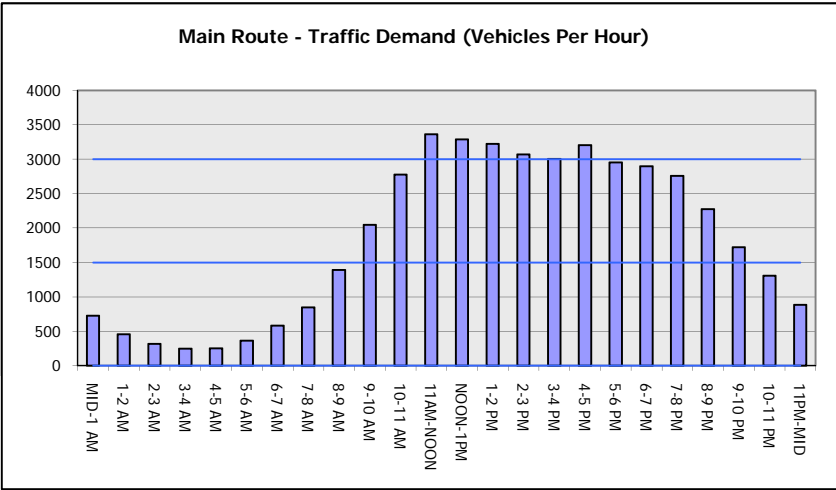
\*Delays Exceeding User-Specified Maximum

**IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)**  
**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

**SUNDAY WESTBOUND DIRECTION**



<b>IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)</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**

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	1026	0.0	3000	1026	0	0.36	0	70.2	67.4	49.7
1-2 AM	662	0.0	3000	662	0	0.36	0	70.2	67.4	49.7
2-3 AM	469	0.0	3000	469	0	0.36	0	70.2	67.4	49.7
3-4 AM	316	0.0	3000	316	0	0.36	0	70.2	67.4	49.7
4-5 AM	302	0.0	3000	302	0	0.36	0	70.2	67.4	49.7
5-6 AM	414	0.0	3000	414	0	0.36	0	70.2	67.4	49.7
6-7 AM	630	0.0	3000	630	0	0.36	0	70.2	67.4	49.7
7-8 AM	912	0.0	3000	912	0	0.36	0	70.2	67.4	49.7
8-9 AM	1440	0.0	3000	1440	0	0.36	0	70.2	67.4	49.7
9-10 AM	2336	0.0	OFF	2336	0	0.00	0	69.1	69.1	69.1
10-11 AM	3068	0.0	OFF	3068	0	0.00	0	68.2	68.2	68.2
11AM-NOON	3758	0.0	OFF	3758	0	0.00	0	66.5	66.5	66.5
NOON-1PM	4180	0.0	OFF	4180	0	0.00	0	63.6	63.6	63.6
1-2 PM	4305	0.0	OFF	4305	0	0.00	0	62.7	62.7	62.7
2-3 PM	4365	0.0	OFF	4365	0	0.00	0	62.3	62.3	62.3
3-4 PM	4340	0.0	OFF	4340	0	0.00	0	62.5	62.5	62.5
4-5 PM	4223	0.0	OFF	4223	0	0.00	0	63.3	63.3	63.3
5-6 PM	4165	0.0	OFF	4165	0	0.00	0	63.7	63.7	63.7
6-7 PM	3386	0.0	OFF	3386	0	0.00	0	67.8	67.8	67.8
7-8 PM	2856	0.0	3000	2856	0	0.67	0	68.5	63.8	39.2
8-9 PM	2383	0.0	3000	2383	0	0.36	0	69.1	66.4	49.1
9-10 PM	1860	0.0	3000	1860	0	0.35	0	69.7	67.1	49.7
10-11 PM	1330	0.0	3000	1330	0	0.36	0	70.2	67.4	49.7
11PM-MID	858	0.0	3000	858	0	0.36	0	70.2	67.4	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	0.0887
MAIN ROUTE WITH WORKS	0.0877
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,498
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

