

<b>IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)</b> <b>OFF-PEAK DAY 2 LANE 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	OFF	724	0	0.00	0	70.2	70.2	70.2	
1-2 AM	455	0.0	OFF	455	0	0.00	0	70.2	70.2	70.2	
2-3 AM	316	0.0	OFF	316	0	0.00	0	70.2	70.2	70.2	
3-4 AM	245	0.0	OFF	245	0	0.00	0	70.2	70.2	70.2	
4-5 AM	252	0.0	OFF	252	0	0.00	0	70.2	70.2	70.2	
5-6 AM	361	0.0	OFF	361	0	0.00	0	70.2	70.2	70.2	
6-7 AM	580	0.0	OFF	580	0	0.00	0	70.2	70.2	70.2	
7-8 AM	848	0.0	OFF	848	0	0.00	0	70.2	70.2	70.2	
8-9 AM	1390	0.0	OFF	1390	0	0.00	0	70.2	70.2	70.2	
9-10 AM	2048	0.0	1499	2023	25	8.11+	225	69.5	36.5	32.5	
10-11 AM	2778	0.0	1500	1423	1356	15.80+	394	68.6	25.1	34.1	
11AM-NOON	3363	0.0	1500	1500	1863	16.01+	400	67.9	24.8	32.5	
NOON-1PM	3289	0.0	1500	1500	1789	16.02+	400	67.9	24.8	32.5	
1-2 PM	3222	0.0	1500	1500	1722	16.04+	400	68.1	24.8	32.5	
2-3 PM	3071	0.0	1500	1500	1571	16.06+	400	68.2	24.8	32.5	
3-4 PM	3003	0.0	1500	1500	1503	16.07+	400	68.3	24.8	32.5	
4-5 PM	3205	0.0	1500	1500	1705	16.04+	400	68.1	24.8	32.5	
5-6 PM	2952	0.0	1500	1500	1452	16.08+	400	68.4	24.8	32.5	
6-7 PM	2899	0.0	1500	1500	1399	16.09+	400	68.4	24.8	32.5	
7-8 PM	2756	0.0	OFF	2756	0	0.38	30	68.6	65.9	65.9	
8-9 PM	2273	0.0	OFF	2273	0	0.00	0	69.2	69.2	69.2	
9-10 PM	1723	0.0	OFF	1723	0	0.00	0	69.9	69.9	69.9	
10-11 PM	1307	0.0	OFF	1307	0	0.00	0	70.2	70.2	70.2	
11PM-MID	883	0.0	OFF	883	0	0.00	0	70.2	70.2	70.2	

"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

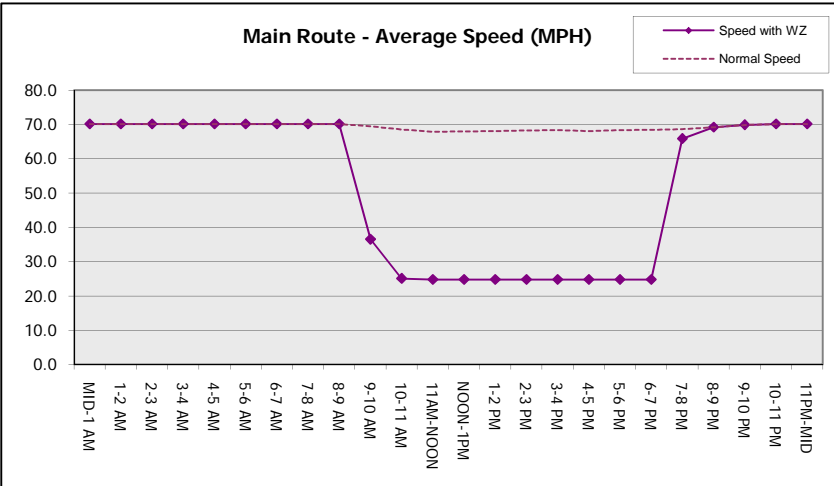
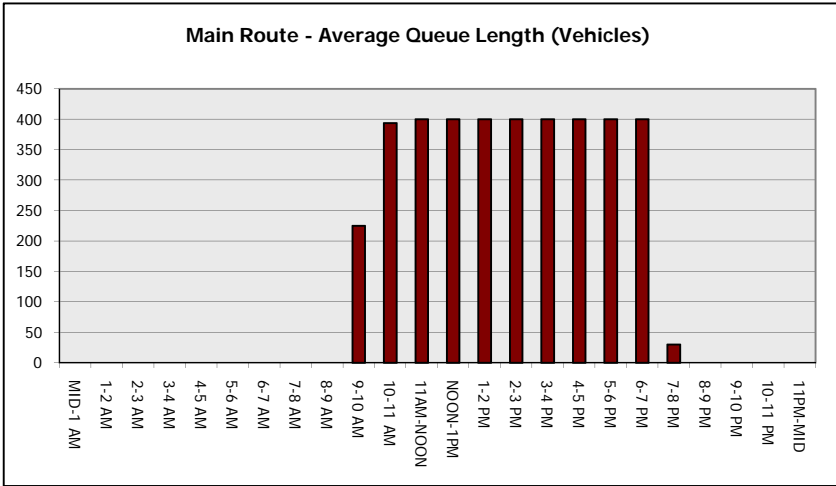
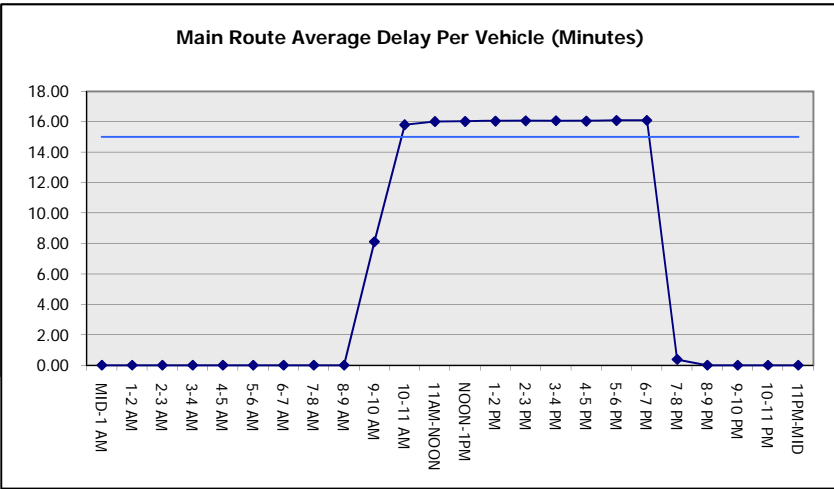
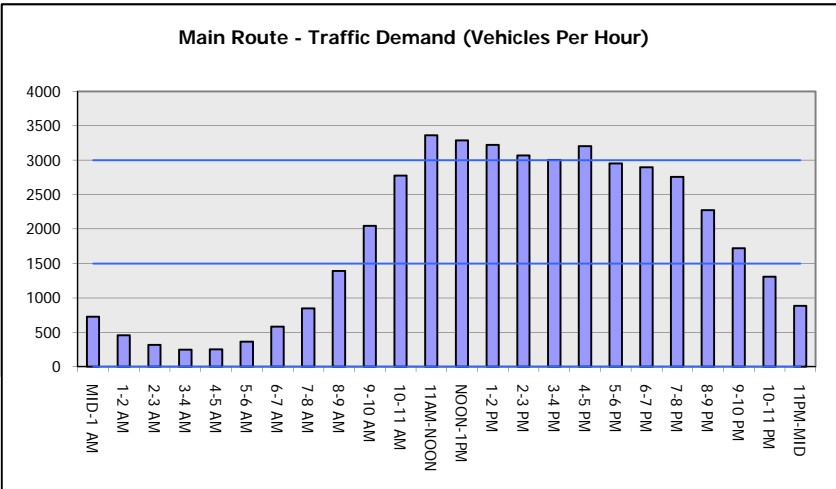
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0727
MAIN ROUTE WITH WORKS	0.0479
'DIVERSION'	0.0551
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$127,579
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

**IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)**  
**OFF-PEAK DAY 2 LANE 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>OFF-PEAK DAY 2 LANE 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	OFF	1026	0	0.00	0	70.2	70.2	70.2	
1-2 AM	662	0.0	OFF	662	0	0.00	0	70.2	70.2	70.2	
2-3 AM	469	0.0	OFF	469	0	0.00	0	70.2	70.2	70.2	
3-4 AM	316	0.0	OFF	316	0	0.00	0	70.2	70.2	70.2	
4-5 AM	302	0.0	OFF	302	0	0.00	0	70.2	70.2	70.2	
5-6 AM	414	0.0	OFF	414	0	0.00	0	70.2	70.2	70.2	
6-7 AM	630	0.0	OFF	630	0	0.00	0	70.2	70.2	70.2	
7-8 AM	912	0.0	OFF	912	0	0.00	0	70.2	70.2	70.2	
8-9 AM	1440	0.0	OFF	1440	0	0.00	0	70.2	70.2	70.2	
9-10 AM	2336	0.0	1499	1816	520	10.52+	279	69.1	31.9	33.1	
10-11 AM	3068	0.0	1500	1500	1568	16.00+	400	68.2	24.8	33.8	
11AM-NOON	3758	0.0	1500	1500	2258	15.76+	400	66.5	24.8	33.8	
NOON-1PM	4180	0.0	1500	1500	2680	15.33+	400	63.6	24.8	33.8	
1-2 PM	4305	0.0	1500	1500	2805	15.20+	400	62.7	24.8	33.8	
2-3 PM	4365	0.0	1500	1500	2865	15.13+	400	62.3	24.8	33.8	
3-4 PM	4340	0.0	1500	1500	2840	15.16+	400	62.5	24.8	33.8	
4-5 PM	4223	0.0	1500	1500	2723	15.29+	400	63.3	24.8	33.8	
5-6 PM	4165	0.0	1500	1500	2665	15.35+	400	63.7	24.8	33.8	
6-7 PM	3386	0.0	1500	1500	1886	15.94+	400	67.8	24.8	33.8	
7-8 PM	2856	0.0	OFF	2856	0	0.21	15	68.5	66.9	66.9	
8-9 PM	2383	0.0	OFF	2383	0	0.00	0	69.1	69.1	69.1	
9-10 PM	1860	0.0	OFF	1860	0	0.00	0	69.7	69.7	69.7	
10-11 PM	1330	0.0	OFF	1330	0	0.00	0	70.2	70.2	70.2	
11PM-MID	858	0.0	OFF	858	0	0.00	0	70.2	70.2	70.2	

"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	0.0887
MAIN ROUTE WITH WORKS	0.0499
'DIVERSION'	0.0874

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$159,127
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

