

<b>IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	754	0.0	3000	754	0	0.36	0	70.2	67.4	49.7
1-2 AM	492	0.0	3000	492	0	0.36	0	70.2	67.4	49.7
2-3 AM	394	0.0	3000	394	0	0.36	0	70.2	67.4	49.7
3-4 AM	365	0.0	3000	365	0	0.36	0	70.2	67.4	49.7
4-5 AM	466	0.0	3000	466	0	0.36	0	70.2	67.4	49.7
5-6 AM	882	0.0	3000	882	0	0.36	0	70.2	67.4	49.7
6-7 AM	1264	0.0	3000	1264	0	0.36	0	70.2	67.4	49.7
7-8 AM	1763	0.0	3000	1763	0	0.36	0	69.9	67.2	49.7
8-9 AM	2388	0.0	3000	2388	0	0.36	0	69.1	66.4	49.0
9-10 AM	2890	0.0	2999	2890	0	0.69	0	68.4	63.7	38.7
10-11 AM	3204	0.0	2999	3204	0	2.20	84	68.1	54.9	36.9
11AM-NOON	3446	0.0	3000	3446	0	7.96	413	67.8	36.3	36.9
NOON-1PM	3633	0.0	2999	3167	466	14.84+	781	67.3	25.9	36.9
1-2 PM	3595	0.0	3000	3000	595	15.21+	800	67.6	25.5	36.9
2-3 PM	3425	0.0	3000	3000	425	15.24+	800	67.8	25.5	36.9
3-4 PM	3261	0.0	3000	3000	261	15.26+	800	68.0	25.5	36.9
4-5 PM	3297	0.0	3000	3000	297	15.26+	800	67.9	25.5	36.9
5-6 PM	2938	0.0	2999	2897	41	14.81+	772	68.4	26.1	36.9
6-7 PM	2580	0.0	2999	2580	0	10.08	524	68.8	32.6	37.1
7-8 PM	2275	0.0	3000	2275	0	1.43	66	69.2	59.7	47.1
8-9 PM	1927	0.0	3000	1927	0	0.35	0	69.6	67.0	49.7
9-10 PM	1816	0.0	3000	1816	0	0.35	0	69.8	67.1	49.7
10-11 PM	1573	0.0	3000	1573	0	0.36	0	70.1	67.4	49.7
11PM-MID	1139	0.0	3000	1139	0	0.36	0	70.2	67.4	49.7

+ 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

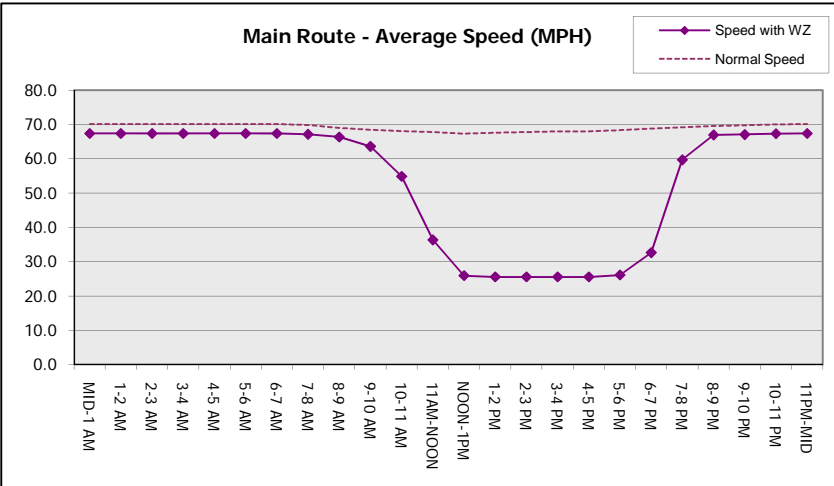
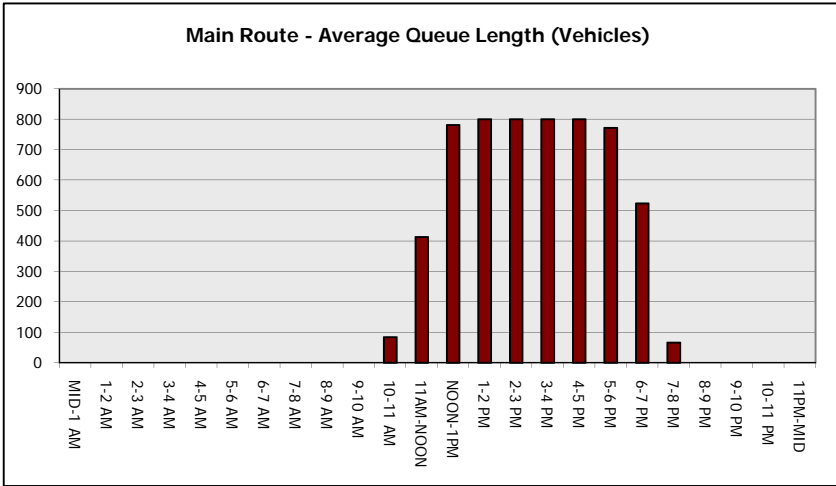
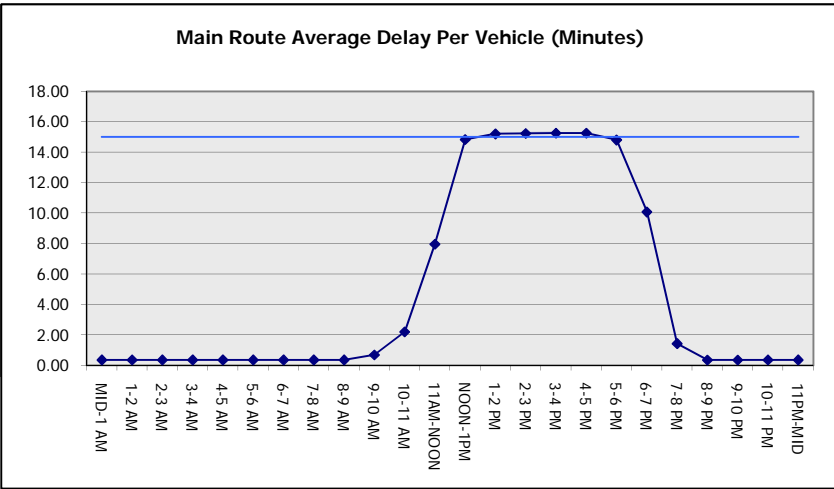
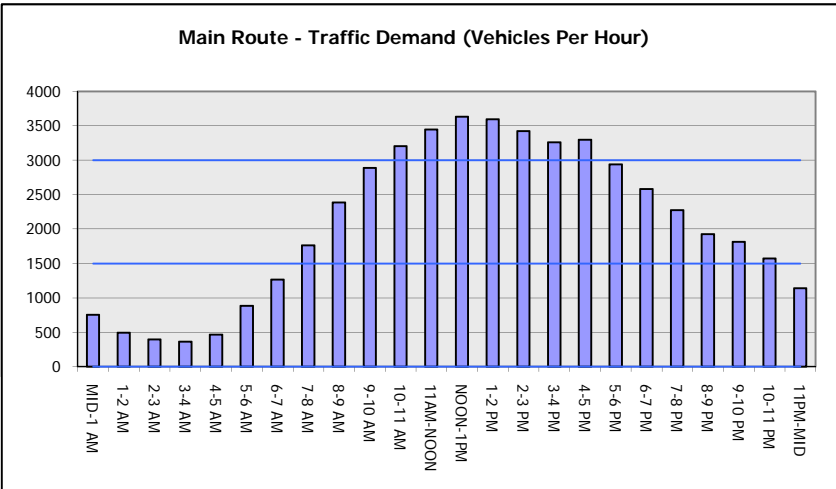
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0824
MAIN ROUTE WITH WORKS	0.0758
'DIVERSION'	0.0080
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$104,187
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY WESTBOUND DIRECTION**



<b>IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	869	0.0	3000	869	0	0.36	0	70.2	67.4	49.7
1-2 AM	550	0.0	3000	550	0	0.36	0	70.2	67.4	49.7
2-3 AM	477	0.0	3000	477	0	0.36	0	70.2	67.4	49.7
3-4 AM	420	0.0	3000	420	0	0.36	0	70.2	67.4	49.7
4-5 AM	435	0.0	3000	435	0	0.36	0	70.2	67.4	49.7
5-6 AM	638	0.0	3000	638	0	0.36	0	70.2	67.4	49.7
6-7 AM	1002	0.0	3000	1002	0	0.36	0	70.2	67.4	49.7
7-8 AM	1471	0.0	3000	1471	0	0.36	0	70.2	67.4	49.7
8-9 AM	2125	0.0	2999	2125	0	0.35	0	69.4	66.8	49.7
9-10 AM	2896	0.0	2999	2896	0	0.78	5	68.4	63.0	39.0
10-11 AM	3341	0.0	3000	3341	0	3.75	176	67.9	48.3	36.9
11AM-NOON	3467	0.0	3000	3467	0	11.24+	593	67.8	30.5	36.9
NOON-1PM	3511	0.0	2999	3000	511	15.22+	799	67.7	25.5	36.9
1-2 PM	3382	0.0	3000	3000	382	15.24+	800	67.8	25.5	36.9
2-3 PM	3555	0.0	3000	3000	555	15.22+	800	67.6	25.5	36.9
3-4 PM	3432	0.0	3000	3000	432	15.24+	800	67.8	25.5	36.9
4-5 PM	3229	0.0	3000	2976	254	15.22+	797	68.0	25.6	36.9
5-6 PM	2991	0.0	2999	2952	40	15.16+	791	68.3	25.7	36.9
6-7 PM	2523	0.0	2999	2523	0	10.46	549	68.9	32.0	37.5
7-8 PM	2079	0.0	3000	2079	0	1.05	46	69.4	62.2	49.5
8-9 PM	1964	0.0	3000	1964	0	0.35	0	69.6	66.9	49.7
9-10 PM	1986	0.0	3000	1986	0	0.35	0	69.6	66.9	49.7
10-11 PM	1625	0.0	3000	1625	0	0.36	0	70.0	67.3	49.7
11PM-MID	1163	0.0	3000	1163	0	0.36	0	70.2	67.4	49.7

+ 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	0.0813
MAIN ROUTE WITH WORKS	0.0746
'DIVERSION'	0.0083

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$109,151
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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**SATURDAY EASTBOUND DIRECTION**

