

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	737	0.0	3000	737	0	0.36	0	70.2	67.4	49.7
1-2 AM	593	0.0	3000	593	0	0.36	0	70.2	67.4	49.7
2-3 AM	455	0.0	3000	455	0	0.36	0	70.2	67.4	49.7
3-4 AM	495	0.0	3000	495	0	0.36	0	70.2	67.4	49.7
4-5 AM	767	0.0	3000	767	0	0.36	0	70.2	67.4	49.7
5-6 AM	1826	0.0	2999	1826	0	0.35	0	69.7	67.1	49.7
6-7 AM	2960	0.0	2999	2960	0	1.01	19	68.4	61.5	38.8
7-8 AM	3389	0.0	3000	3389	0	5.50	275	67.8	42.5	36.9
8-9 AM	2850	0.0	2999	2850	0	8.13	406	68.5	36.2	36.9
9-10 AM	2913	0.0	3000	2913	0	5.51	261	68.4	42.7	36.9
10-11 AM	3241	0.0	3000	3241	0	6.72	333	68.0	39.2	36.9
11AM-NOON	3440	0.0	3000	3350	90	12.70+	669	67.8	28.5	36.9
NOON-1PM	3535	0.0	3000	3000	535	15.22+	800	67.6	25.5	36.9
1-2 PM	3869	0.0	3000	3000	869	14.95+	800	65.7	25.5	36.9
2-3 PM	4054	0.0	3000	3000	1054	14.76+	800	64.5	25.5	36.9
3-4 PM	4108	0.0	3000	3000	1108	14.71+	800	64.1	25.5	36.9
4-5 PM	4004	0.0	3000	3000	1004	14.81+	800	64.8	25.5	36.9
5-6 PM	3924	0.0	3000	3000	924	14.89+	800	65.3	25.5	36.9
6-7 PM	3619	0.0	3000	3000	619	15.19+	800	67.4	25.5	36.9
7-8 PM	3286	0.0	3000	2995	291	15.25+	799	67.9	25.5	36.9
8-9 PM	2625	0.0	2999	2625	0	12.71+	664	68.7	28.6	36.9
9-10 PM	2126	0.0	2999	2126	0	2.25	128	69.4	55.5	46.7
10-11 PM	1634	0.0	3000	1634	0	0.36	0	70.0	67.3	49.7
11PM-MID	1161	0.0	3000	1161	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

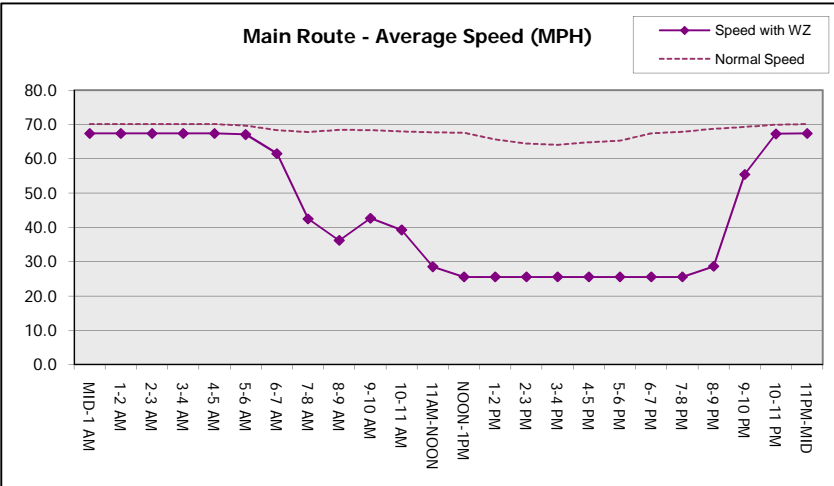
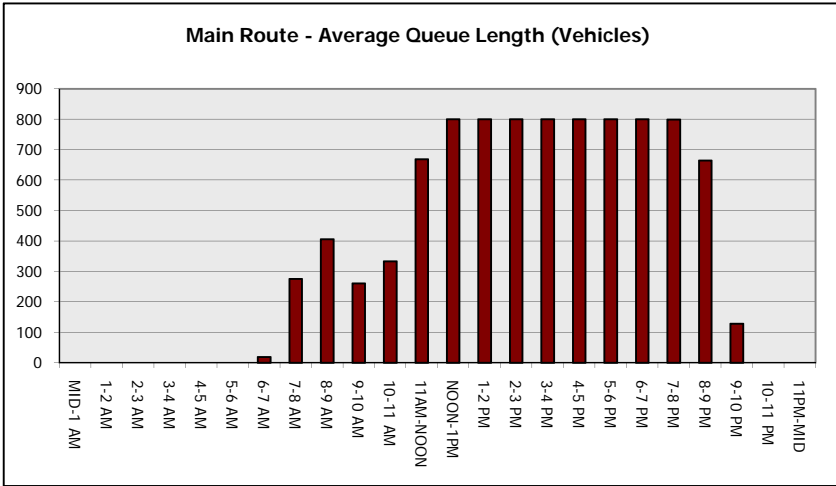
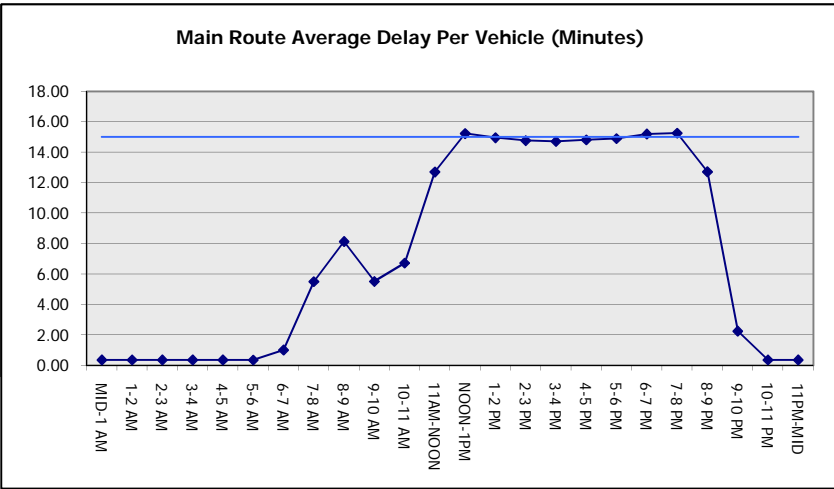
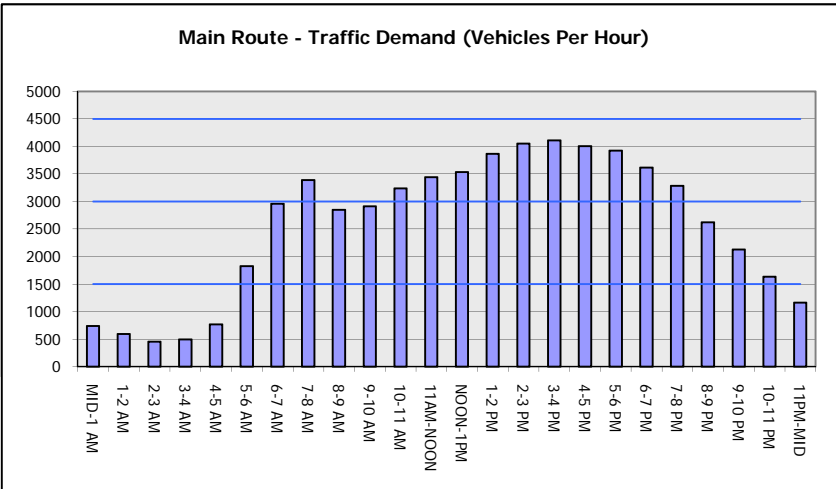
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.1020
MAIN ROUTE WITH WORKS	0.0876
'DIVERSION'	0.0249
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$141,110
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
Analyzed for 2009  
Construction Season

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

**FRIDAY 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	691	0.0	3000	691	0	0.36	0	70.2	67.4	49.7
1-2 AM	512	0.0	3000	512	0	0.36	0	70.2	67.4	49.7
2-3 AM	461	0.0	3000	461	0	0.36	0	70.2	67.4	49.7
3-4 AM	509	0.0	3000	509	0	0.36	0	70.2	67.4	49.7
4-5 AM	751	0.0	3000	751	0	0.36	0	70.2	67.4	49.7
5-6 AM	1286	0.0	3000	1286	0	0.36	0	70.2	67.4	49.7
6-7 AM	2076	0.0	3000	2076	0	0.35	0	69.4	66.8	49.7
7-8 AM	2678	0.0	3000	2678	0	0.55	0	68.7	64.8	42.4
8-9 AM	2617	0.0	3000	2617	0	0.51	0	68.8	65.1	43.7
9-10 AM	2829	0.0	2999	2829	0	0.65	0	68.5	64.0	39.6
10-11 AM	2998	0.0	2999	2998	0	0.80	2	68.3	62.8	37.1
11AM-NOON	3025	0.0	2999	3025	0	1.03	15	68.2	61.4	36.9
NOON-1PM	3276	0.0	3000	3276	0	3.59	164	67.9	48.9	36.9
1-2 PM	3353	0.0	3000	3353	0	9.27	479	67.9	33.8	36.9
2-3 PM	3578	0.0	2999	3156	422	14.89+	782	67.6	25.8	36.9
3-4 PM	3849	0.0	3000	3000	849	14.97+	800	65.9	25.5	36.9
4-5 PM	3896	0.0	3000	3000	896	14.92+	800	65.5	25.5	36.9
5-6 PM	3839	0.0	3000	3000	839	14.98+	800	66.0	25.5	36.9
6-7 PM	3136	0.0	3000	2949	187	15.18+	794	68.1	25.6	36.9
7-8 PM	2417	0.0	2999	2417	0	9.60	516	69.1	33.5	39.1
8-9 PM	1904	0.0	3000	1904	0	0.62	17	69.7	65.1	49.7
9-10 PM	1773	0.0	3000	1773	0	0.35	0	69.9	67.2	49.7
10-11 PM	1744	0.0	3000	1744	0	0.36	0	69.9	67.2	49.7
11PM-MID	1292	0.0	3000	1292	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	0.0902
MAIN ROUTE WITH WORKS	0.0815
'DIVERSION'	0.0122

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$80,655
CONGESTED HOURS PER DAY*	5

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**FRIDAY EASTBOUND DIRECTION**

