

<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**

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	581	0.0	3000	581	0	0.36	0	70.2	67.4	49.7	
1-2 AM	450	0.0	3000	450	0	0.36	0	70.2	67.4	49.7	
2-3 AM	373	0.0	3000	373	0	0.36	0	70.2	67.4	49.7	
3-4 AM	416	0.0	3000	416	0	0.36	0	70.2	67.4	49.7	
4-5 AM	714	0.0	3000	714	0	0.36	0	70.2	67.4	49.7	
5-6 AM	1769	0.0	3000	1769	0	0.36	0	69.9	67.2	49.7	
6-7 AM	3127	0.0	2999	3127	0	1.44	43	68.1	58.9	37.6	
7-8 AM	3529	0.0	3000	3529	0	8.52	450	67.6	35.1	36.9	
8-9 AM	2740	0.0	2999	2740	0	11.65	602	68.6	30.1	36.9	
9-10 AM	2576	0.0	2999	2576	0	4.58	231	68.8	45.7	38.9	
10-11 AM	2724	0.0	3000	2724	0	0.59	0	68.7	64.5	41.5	
11AM-NOON	2816	0.0	3000	2816	0	0.64	0	68.6	64.0	39.8	
NOON-1PM	2765	0.0	3000	2765	0	0.61	0	68.6	64.3	40.7	
1-2 PM	2845	0.0	2999	2845	0	0.66	0	68.5	63.8	39.3	
2-3 PM	3036	0.0	2999	3036	0	0.93	9	68.2	62.0	36.9	
3-4 PM	3160	0.0	3000	3160	0	2.70	110	68.1	52.6	36.9	
4-5 PM	3280	0.0	3000	3280	0	6.73	336	67.9	39.2	36.9	
5-6 PM	3210	0.0	3000	3210	0	11.68	605	68.1	29.9	36.9	
6-7 PM	2554	0.0	2999	2554	0	9.62	503	68.9	33.4	37.9	
7-8 PM	1947	0.0	3000	1947	0	0.82	30	69.6	63.8	49.7	
8-9 PM	1663	0.0	3000	1663	0	0.36	0	70.0	67.3	49.7	
9-10 PM	1443	0.0	3000	1443	0	0.36	0	70.2	67.4	49.7	
10-11 PM	1222	0.0	3000	1222	0	0.36	0	70.2	67.4	49.7	
11PM-MID	914	0.0	3000	914	0	0.36	0	70.2	67.4	49.7	

**\*----- 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	0.0825
MAIN ROUTE WITH WORKS	0.0792
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

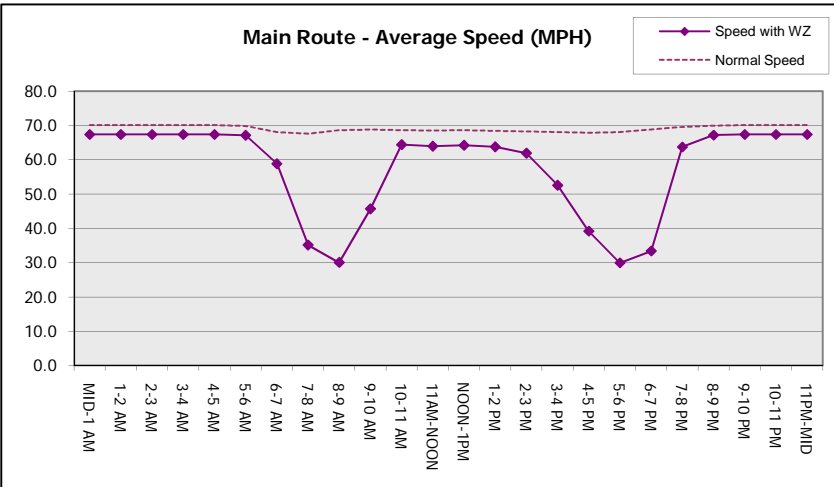
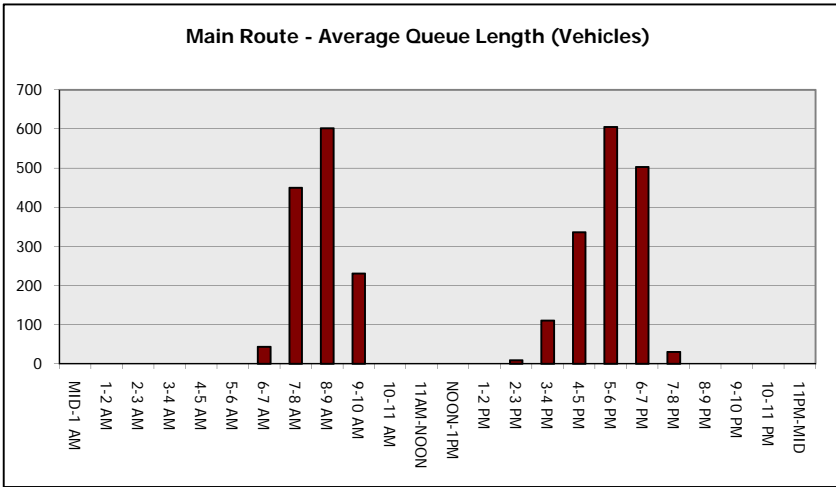
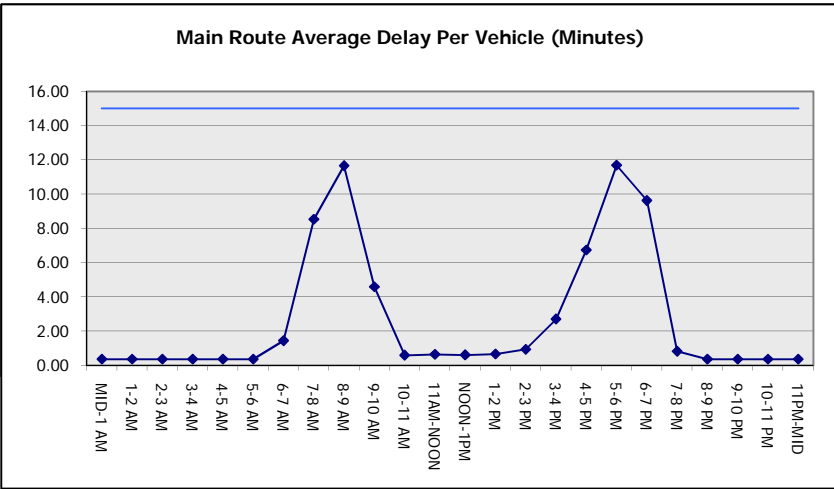
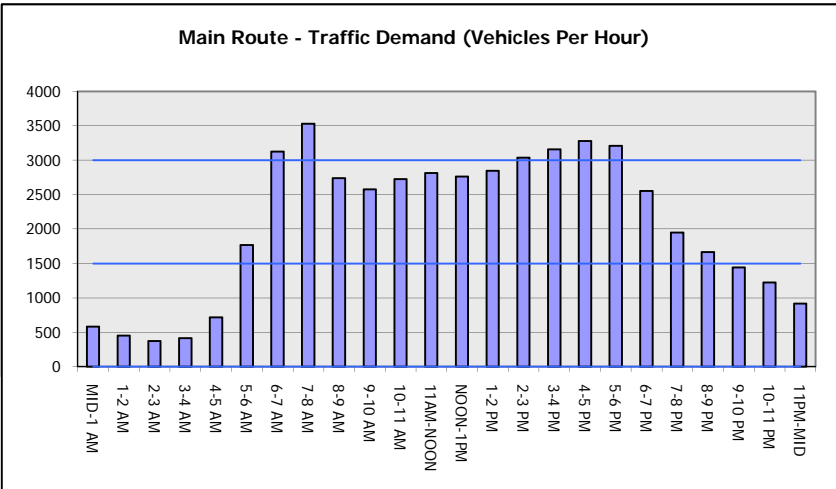
ROAD USER COSTS PER DAY	\$39,401
CONGESTED HOURS PER DAY*	0

\*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**  
**MON-THUR 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>
	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	602	0.0	3000	602	0	0.36	0	70.2	67.4	49.7
1-2 AM	433	0.0	3000	433	0	0.36	0	70.2	67.4	49.7
2-3 AM	377	0.0	3000	377	0	0.36	0	70.2	67.4	49.7
3-4 AM	436	0.0	3000	436	0	0.36	0	70.2	67.4	49.7
4-5 AM	706	0.0	3000	706	0	0.36	0	70.2	67.4	49.7
5-6 AM	1361	0.0	3000	1361	0	0.36	0	70.2	67.4	49.7
6-7 AM	2200	0.0	3000	2200	0	0.35	0	69.3	66.7	49.7
7-8 AM	2857	0.0	3000	2857	0	0.67	0	68.5	63.8	39.1
8-9 AM	2713	0.0	3000	2713	0	0.57	0	68.7	64.6	41.7
9-10 AM	2691	0.0	3000	2691	0	0.56	0	68.7	64.7	42.2
10-11 AM	2703	0.0	3000	2703	0	0.57	0	68.7	64.6	41.9
11AM-NOON	2771	0.0	3000	2771	0	0.61	0	68.6	64.3	40.6
NOON-1PM	2797	0.0	3000	2797	0	0.63	0	68.6	64.1	40.2
1-2 PM	2873	0.0	2999	2873	0	0.68	0	68.5	63.7	38.9
2-3 PM	3127	0.0	2999	3127	0	1.52	44	68.1	58.4	36.9
3-4 PM	3495	0.0	3000	3495	0	6.83	355	67.7	38.9	36.9
4-5 PM	3739	0.0	2999	3209	530	14.67+	778	66.6	26.0	36.9
5-6 PM	3743	0.0	3000	3000	743	15.07+	800	66.6	25.5	36.9
6-7 PM	2843	0.0	2999	2766	78	14.16+	739	68.5	26.8	36.9
7-8 PM	2031	0.0	2999	2031	0	3.31	210	69.5	50.8	46.1
8-9 PM	1684	0.0	3000	1684	0	0.36	0	69.9	67.3	49.7
9-10 PM	1550	0.0	3000	1550	0	0.36	0	70.1	67.4	49.7
10-11 PM	1262	0.0	3000	1262	0	0.36	0	70.2	67.4	49.7
11PM-MID	964	0.0	3000	964	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	0.0827
MAIN ROUTE WITH WORKS	0.0773
'DIVERSION'	0.0052

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,035
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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

