

<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>MAY</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	496	0.0	3000	496	0	0.36	0	70.2	67.4	49.7
1-2 AM	366	0.0	3000	366	0	0.36	0	70.2	67.4	49.7
2-3 AM	340	0.0	3000	340	0	0.36	0	70.2	67.4	49.7
3-4 AM	394	0.0	3000	394	0	0.36	0	70.2	67.4	49.7
4-5 AM	708	0.0	3000	708	0	0.36	0	70.2	67.4	49.7
5-6 AM	1762	0.0	3000	1762	0	0.36	0	69.9	67.2	49.7
6-7 AM	3092	0.0	2999	3092	0	1.34	37	68.2	59.5	37.8
7-8 AM	3430	0.0	3000	3430	0	7.37	380	67.8	37.6	36.9
8-9 AM	2618	0.0	2999	2618	0	8.19	421	68.8	36.1	37.8
9-10 AM	2402	0.0	3000	2402	0	0.93	33	69.1	62.6	47.3
10-11 AM	2494	0.0	3000	2494	0	0.43	0	68.9	65.8	46.3
11AM-NOON	2506	0.0	3000	2506	0	0.44	0	68.9	65.7	46.1
NOON-1PM	2490	0.0	3000	2490	0	0.43	0	68.9	65.8	46.5
1-2 PM	2615	0.0	3000	2615	0	0.51	0	68.8	65.1	43.7
2-3 PM	2843	0.0	2999	2843	0	0.66	0	68.5	63.9	39.4
3-4 PM	3114	0.0	2999	3114	0	1.57	46	68.2	58.2	36.9
4-5 PM	3189	0.0	3000	3189	0	4.53	211	68.1	45.6	36.9
5-6 PM	3017	0.0	2999	3017	0	6.89	337	68.3	38.9	36.9
6-7 PM	2361	0.0	2999	2361	0	2.02	102	69.1	56.4	45.0
7-8 PM	1816	0.0	3000	1816	0	0.35	0	69.8	67.1	49.7
8-9 PM	1523	0.0	3000	1523	0	0.36	0	70.2	67.4	49.7
9-10 PM	1333	0.0	3000	1333	0	0.36	0	70.2	67.4	49.7
10-11 PM	1106	0.0	3000	1106	0	0.36	0	70.2	67.4	49.7
11PM-MID	739	0.0	3000	739	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	0.0774
MAIN ROUTE WITH WORKS	0.0743
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

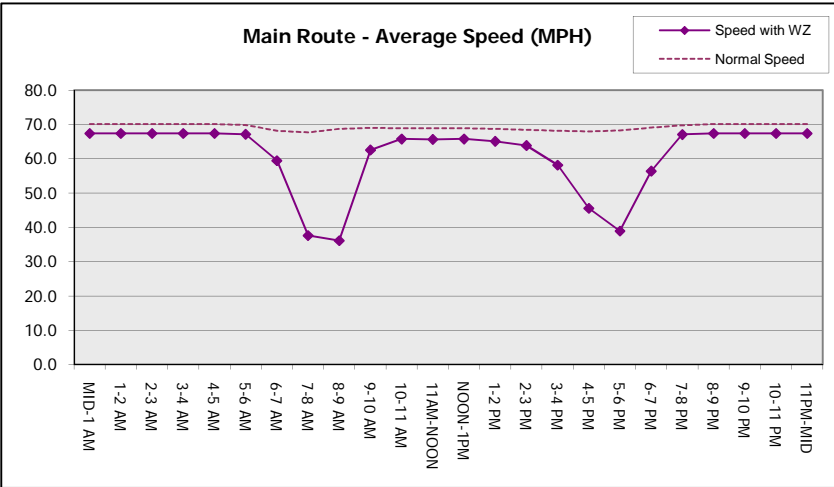
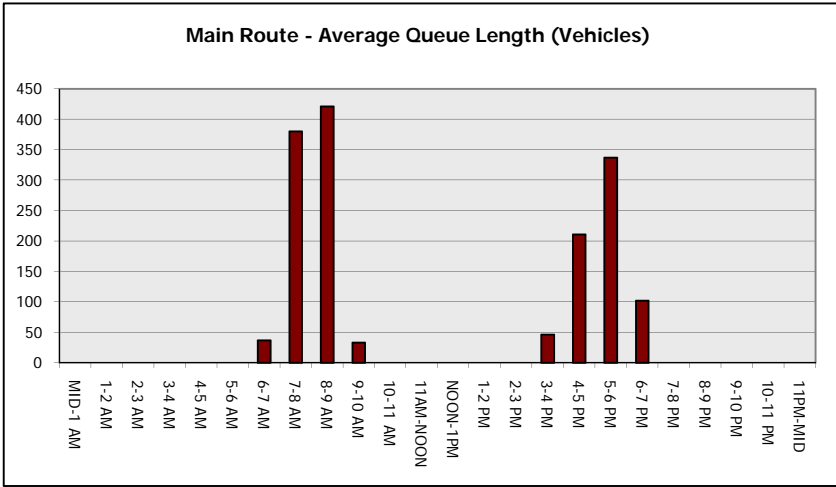
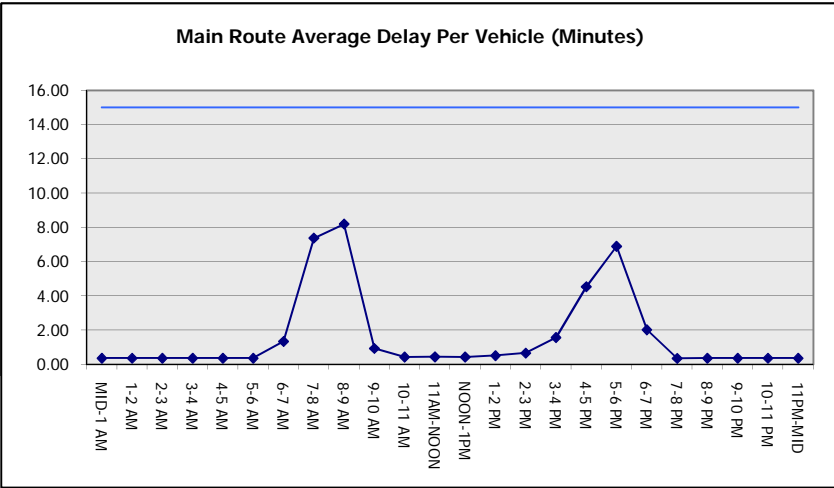
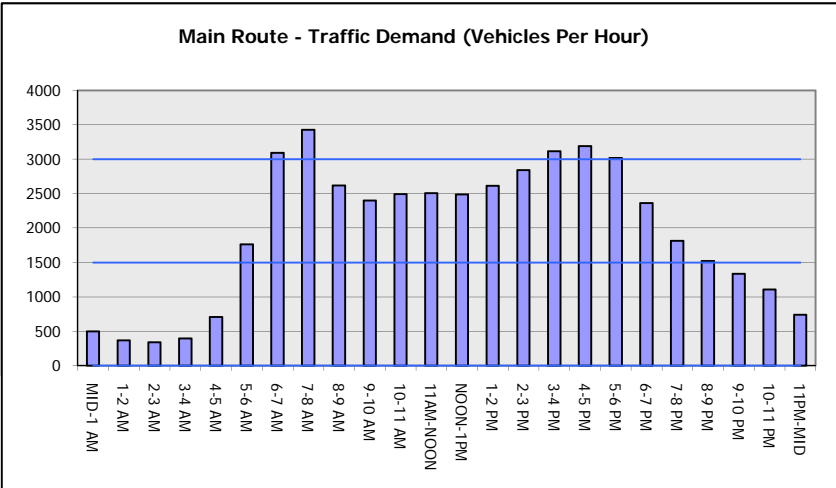
ROAD USER COSTS PER DAY	\$22,611
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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 CONTINUOUS (24 HOUR) CLOSURE  
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**MAY**  
 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>MAY</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	507	0.0	3000	507	0	0.36	0	70.2	67.4	49.7
1-2 AM	393	0.0	3000	393	0	0.36	0	70.2	67.4	49.7
2-3 AM	350	0.0	3000	350	0	0.36	0	70.2	67.4	49.7
3-4 AM	413	0.0	3000	413	0	0.36	0	70.2	67.4	49.7
4-5 AM	654	0.0	3000	654	0	0.36	0	70.2	67.4	49.7
5-6 AM	1281	0.0	3000	1281	0	0.36	0	70.2	67.4	49.7
6-7 AM	2322	0.0	3000	2322	0	0.35	0	69.2	66.6	49.7
7-8 AM	2831	0.0	3000	2831	0	0.65	0	68.5	64.0	39.6
8-9 AM	2607	0.0	3000	2607	0	0.51	0	68.8	65.1	43.8
9-10 AM	2475	0.0	3000	2475	0	0.42	0	69.0	65.9	46.8
10-11 AM	2427	0.0	3000	2427	0	0.39	0	69.0	66.2	48.0
11AM-NOON	2544	0.0	3000	2544	0	0.46	0	68.9	65.5	45.2
NOON-1PM	2623	0.0	3000	2623	0	0.52	0	68.8	65.1	43.5
1-2 PM	2720	0.0	2999	2720	0	0.58	0	68.7	64.5	41.6
2-3 PM	3022	0.0	2999	3022	0	0.98	14	68.3	61.7	37.4
3-4 PM	3444	0.0	3000	3444	0	5.11	258	67.8	43.5	36.9
4-5 PM	3661	0.0	3000	3314	348	13.76+	728	67.1	27.1	36.9
5-6 PM	3717	0.0	3000	3000	717	15.10+	800	66.8	25.5	36.9
6-7 PM	2645	0.0	2999	2645	0	13.27+	695	68.7	27.9	36.9
7-8 PM	1862	0.0	3000	1862	0	1.82	105	69.7	57.9	49.3
8-9 PM	1570	0.0	3000	1570	0	0.36	0	70.1	67.4	49.7
9-10 PM	1433	0.0	3000	1433	0	0.36	0	70.2	67.4	49.7
10-11 PM	1157	0.0	3000	1157	0	0.36	0	70.2	67.4	49.7
11PM-MID	820	0.0	3000	820	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	0.0786
MAIN ROUTE WITH WORKS	0.0738
'DIVERSION'	0.0041

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$37,335
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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

