

<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**

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	698	0.0	3000	698	0	0.36	0	70.2	67.4	49.7
1-2 AM	417	0.0	3000	417	0	0.36	0	70.2	67.4	49.7
2-3 AM	295	0.0	3000	295	0	0.36	0	70.2	67.4	49.7
3-4 AM	232	0.0	3000	232	0	0.36	0	70.2	67.4	49.7
4-5 AM	236	0.0	3000	236	0	0.36	0	70.2	67.4	49.7
5-6 AM	346	0.0	3000	346	0	0.36	0	70.2	67.4	49.7
6-7 AM	608	0.0	3000	608	0	0.36	0	70.2	67.4	49.7
7-8 AM	915	0.0	3000	915	0	0.36	0	70.2	67.4	49.7
8-9 AM	1422	0.0	3000	1422	0	0.36	0	70.2	67.4	49.7
9-10 AM	1825	0.0	3000	1825	0	0.35	0	69.7	67.1	49.7
10-11 AM	2527	0.0	2999	2527	0	0.45	0	68.9	65.6	45.8
11AM-NOON	2987	0.0	2999	2987	0	0.85	6	68.3	62.5	37.4
NOON-1PM	3047	0.0	3000	3047	0	1.67	50	68.2	57.7	36.9
1-2 PM	2956	0.0	2999	2956	0	1.93	64	68.4	56.4	37.0
2-3 PM	2609	0.0	3000	2609	0	0.53	1	68.8	65.0	43.7
3-4 PM	3033	0.0	2999	3033	0	0.92	9	68.2	62.0	36.9
4-5 PM	2932	0.0	2999	2932	0	0.96	12	68.4	61.9	37.6
5-6 PM	2872	0.0	3000	2872	0	0.68	0	68.5	63.7	38.9
6-7 PM	2735	0.0	3000	2735	0	0.59	0	68.6	64.5	41.3
7-8 PM	2477	0.0	3000	2477	0	0.42	0	68.9	65.9	46.8
8-9 PM	2036	0.0	3000	2036	0	0.35	0	69.5	66.9	49.7
9-10 PM	1630	0.0	3000	1630	0	0.36	0	70.0	67.3	49.7
10-11 PM	1231	0.0	3000	1231	0	0.36	0	70.2	67.4	49.7
11PM-MID	801	0.0	3000	801	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

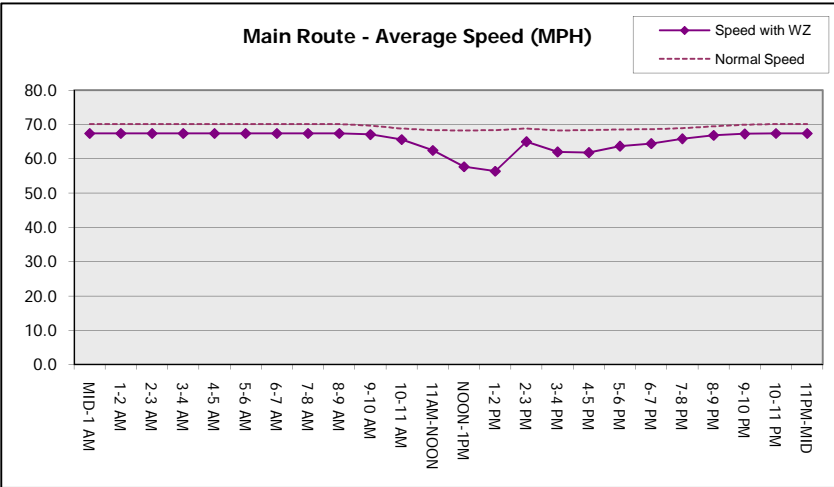
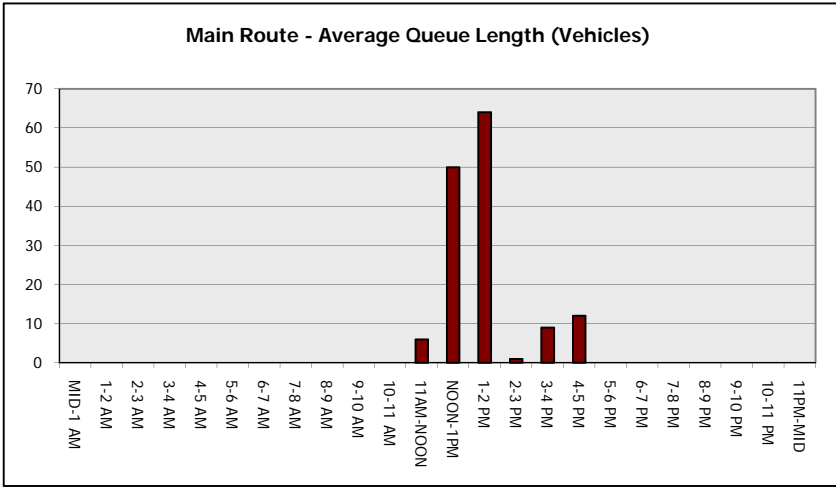
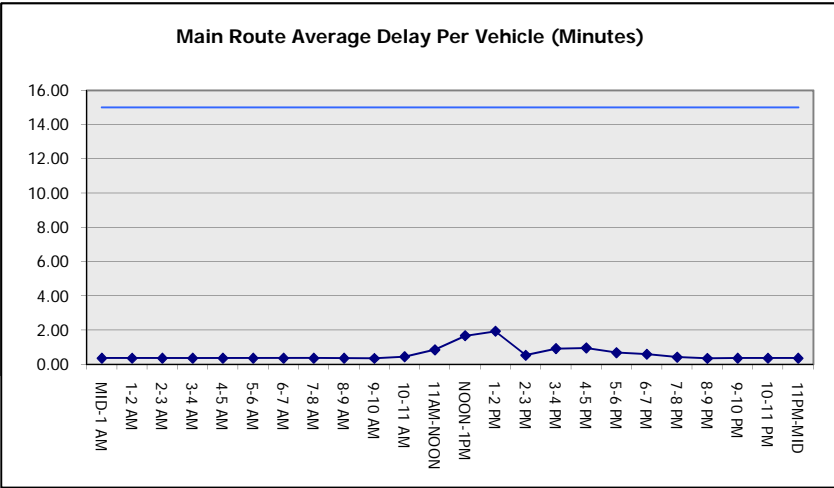
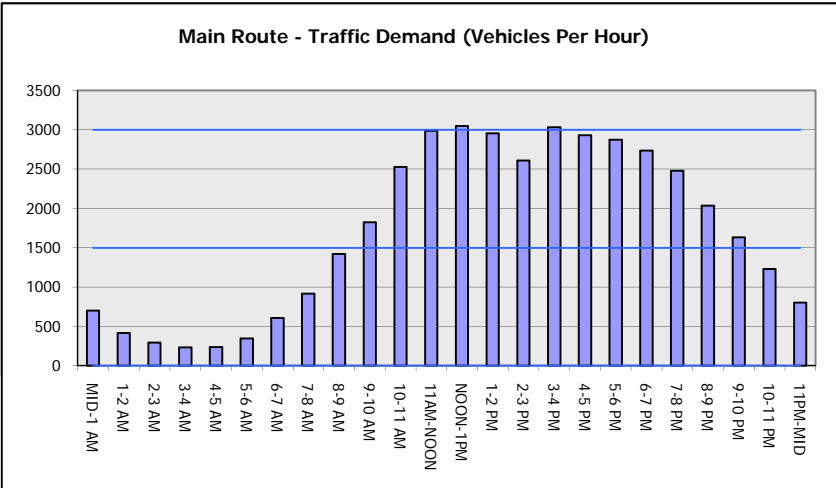
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0676
MAIN ROUTE WITH WORKS	0.0649
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,521
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
 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>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
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**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	614	0.0	3000	614	0	0.36	0	70.2	67.4	49.7
1-2 AM	421	0.0	3000	421	0	0.36	0	70.2	67.4	49.7
2-3 AM	392	0.0	3000	392	0	0.36	0	70.2	67.4	49.7
3-4 AM	276	0.0	3000	276	0	0.36	0	70.2	67.4	49.7
4-5 AM	233	0.0	3000	233	0	0.36	0	70.2	67.4	49.7
5-6 AM	353	0.0	3000	353	0	0.36	0	70.2	67.4	49.7
6-7 AM	575	0.0	3000	575	0	0.36	0	70.2	67.4	49.7
7-8 AM	917	0.0	3000	917	0	0.36	0	70.2	67.4	49.7
8-9 AM	1354	0.0	3000	1354	0	0.36	0	70.2	67.4	49.7
9-10 AM	2107	0.0	3000	2107	0	0.35	0	69.4	66.8	49.7
10-11 AM	2730	0.0	2999	2730	0	0.58	0	68.6	64.5	41.5
11AM-NOON	3207	0.0	2999	3207	0	2.15	81	68.1	55.1	36.9
NOON-1PM	3424	0.0	3000	3424	0	7.88	407	67.8	36.5	36.9
1-2 PM	3549	0.0	2999	3230	320	14.76+	775	67.6	26.0	36.9
2-3 PM	3636	0.0	3000	3000	636	15.17+	800	67.3	25.5	36.9
3-4 PM	3598	0.0	3000	3000	598	15.21+	800	67.6	25.5	36.9
4-5 PM	3751	0.0	3000	3000	751	15.06+	800	66.5	25.5	36.9
5-6 PM	3409	0.0	2999	2947	462	15.13+	794	67.8	25.6	36.9
6-7 PM	2753	0.0	2999	2753	0	13.78+	718	68.6	27.3	36.9
7-8 PM	2276	0.0	2999	2276	0	3.96	236	69.2	48.1	44.3
8-9 PM	2040	0.0	3000	2040	0	0.35	0	69.5	66.9	49.7
9-10 PM	1517	0.0	3000	1517	0	0.36	0	70.2	67.4	49.7
10-11 PM	1063	0.0	3000	1063	0	0.36	0	70.2	67.4	49.7
11PM-MID	722	0.0	3000	722	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	0.0
(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	0
(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	0.0744
MAIN ROUTE WITH WORKS	0.0670
'DIVERSION'	0.0106

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$99,492
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding User-Specified Maximum

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

