

IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	OFF	1825	0	0.00	0	69.7	69.7	69.7
10-11 AM	2527	0.0	OFF	2527	0	0.00	0	68.9	68.9	68.9
11AM-NOON	2987	0.0	OFF	2987	0	0.00	0	68.3	68.3	68.3
NOON-1PM	3047	0.0	OFF	3047	0	0.00	0	68.2	68.2	68.2
1-2 PM	2956	0.0	OFF	2956	0	0.00	0	68.4	68.4	68.4
2-3 PM	2609	0.0	OFF	2609	0	0.00	0	68.8	68.8	68.8
3-4 PM	3033	0.0	OFF	3033	0	0.00	0	68.2	68.2	68.2
4-5 PM	2932	0.0	OFF	2932	0	0.00	0	68.4	68.4	68.4
5-6 PM	2872	0.0	OFF	2872	0	0.00	0	68.5	68.5	68.5
6-7 PM	2735	0.0	OFF	2735	0	0.00	0	68.6	68.6	68.6
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

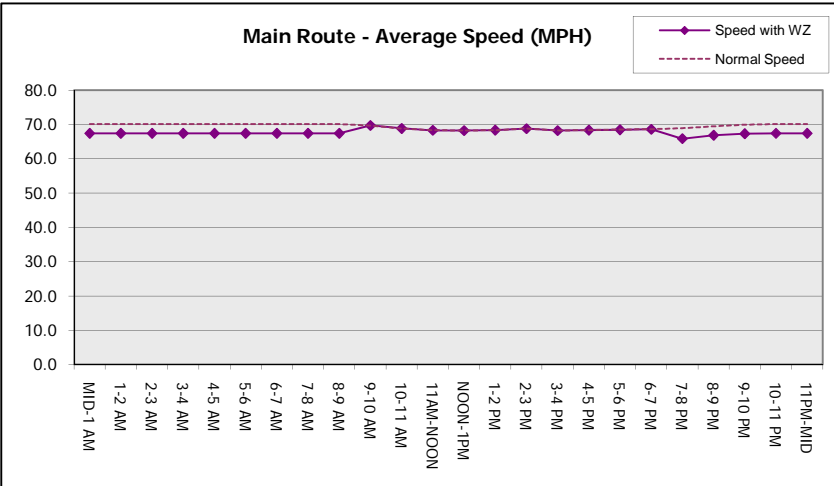
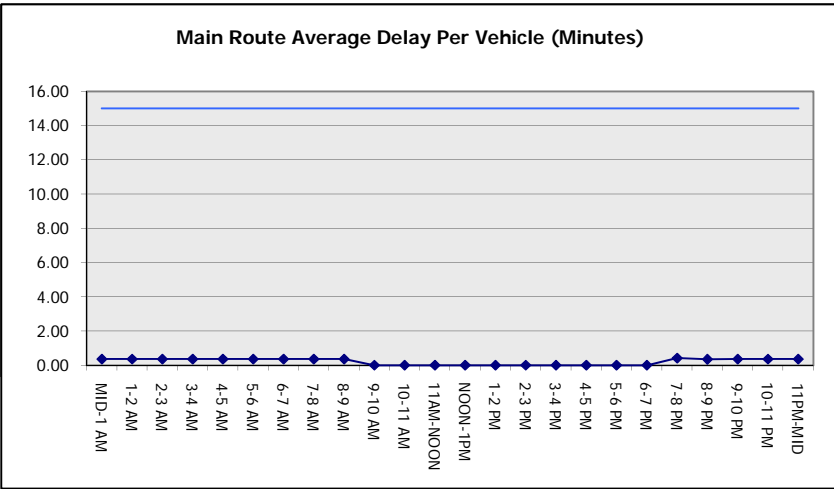
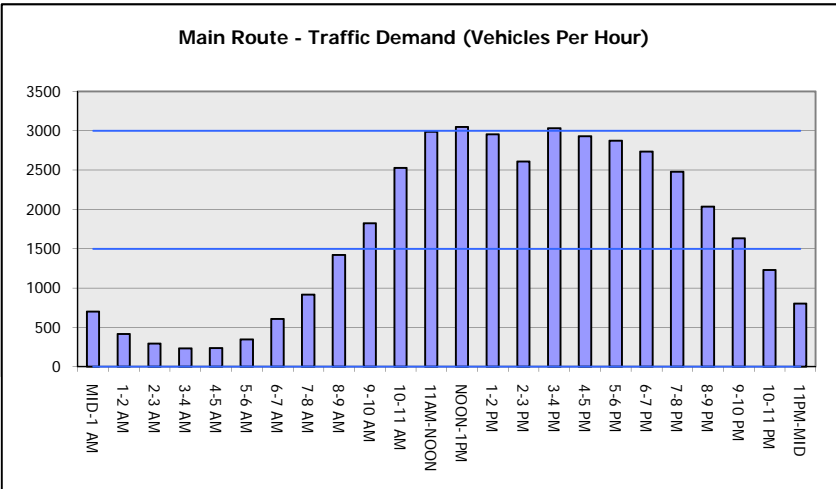
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0676
MAIN ROUTE WITH WORKS	0.0668
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,122
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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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	OFF	2107	0	0.00	0	69.4	69.4	69.4
10-11 AM	2730	0.0	OFF	2730	0	0.00	0	68.6	68.6	68.6
11AM-NOON	3207	0.0	OFF	3207	0	0.00	0	68.1	68.1	68.1
NOON-1PM	3424	0.0	OFF	3424	0	0.00	0	67.8	67.8	67.8
1-2 PM	3549	0.0	OFF	3549	0	0.00	0	67.6	67.6	67.6
2-3 PM	3636	0.0	OFF	3636	0	0.00	0	67.3	67.3	67.3
3-4 PM	3598	0.0	OFF	3598	0	0.00	0	67.6	67.6	67.6
4-5 PM	3751	0.0	OFF	3751	0	0.00	0	66.5	66.5	66.5
5-6 PM	3409	0.0	OFF	3409	0	0.00	0	67.8	67.8	67.8
6-7 PM	2753	0.0	OFF	2753	0	0.00	0	68.6	68.6	68.6
7-8 PM	2276	0.0	3000	2276	0	0.35	0	69.2	66.6	49.7
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0744
MAIN ROUTE WITH WORKS	0.0735
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,035
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

