

IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	690	0.0	1500	690	0	0.46	0	70.2	66.8	46.1	
1-2 AM	467	0.0	1500	467	0	0.43	0	70.2	66.9	47.1	
2-3 AM	386	0.0	1500	386	0	0.42	0	70.2	67.0	47.4	
3-4 AM	345	0.0	1500	345	0	0.41	0	70.2	67.1	47.6	
4-5 AM	466	0.0	1500	466	0	0.43	0	70.2	66.9	47.1	
5-6 AM	826	0.0	1500	826	0	0.47	0	70.2	66.6	45.5	
6-7 AM	1231	0.0	1499	1231	0	0.66	0	70.2	65.3	40.3	
7-8 AM	1647	0.0	1499	1647	0	2.47	43	70.0	54.8	32.5	
8-9 AM	2202	0.0	OFF	2202	0	0.05	2	69.3	68.9	68.9	
9-10 AM	2462	0.0	OFF	2462	0	0.00	0	69.0	69.0	69.0	
10-11 AM	2805	0.0	OFF	2805	0	0.00	0	68.6	68.6	68.6	
11AM-NOON	2985	0.0	OFF	2985	0	0.00	0	68.3	68.3	68.3	
NOON-1PM	3028	0.0	OFF	3028	0	0.00	0	68.2	68.2	68.2	
1-2 PM	2886	0.0	OFF	2886	0	0.00	0	68.4	68.4	68.4	
2-3 PM	2997	0.0	OFF	2997	0	0.00	0	68.3	68.3	68.3	
3-4 PM	2977	0.0	OFF	2977	0	0.00	0	68.3	68.3	68.3	
4-5 PM	3035	0.0	OFF	3035	0	0.00	0	68.2	68.2	68.2	
5-6 PM	2814	0.0	OFF	2814	0	0.00	0	68.6	68.6	68.6	
6-7 PM	2418	0.0	1499	1929	489	12.80+	320	69.1	28.6	33.5	
7-8 PM	2069	0.0	1499	1500	569	16.22+	399	69.5	24.8	32.5	
8-9 PM	1798	0.0	1500	1494	304	16.24+	399	69.8	24.8	32.5	
9-10 PM	1607	0.0	1499	1472	135	16.17+	396	70.0	24.9	32.5	
10-11 PM	1284	0.0	1499	1284	0	12.49	307	70.2	29.2	32.7	
11PM-MID	934	0.0	1500	934	0	1.45	32	70.2	60.3	44.5	

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

+ 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

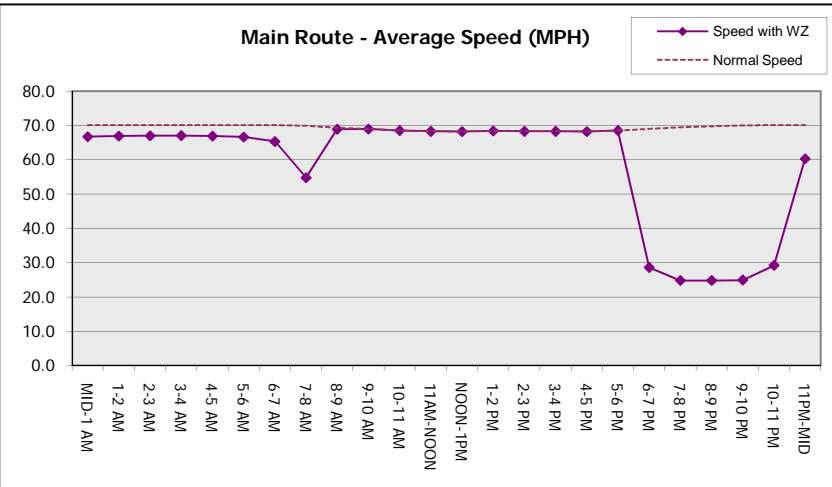
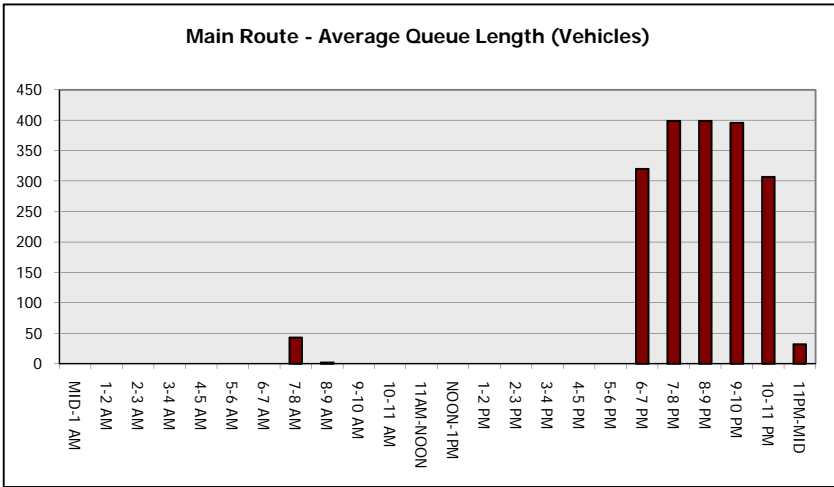
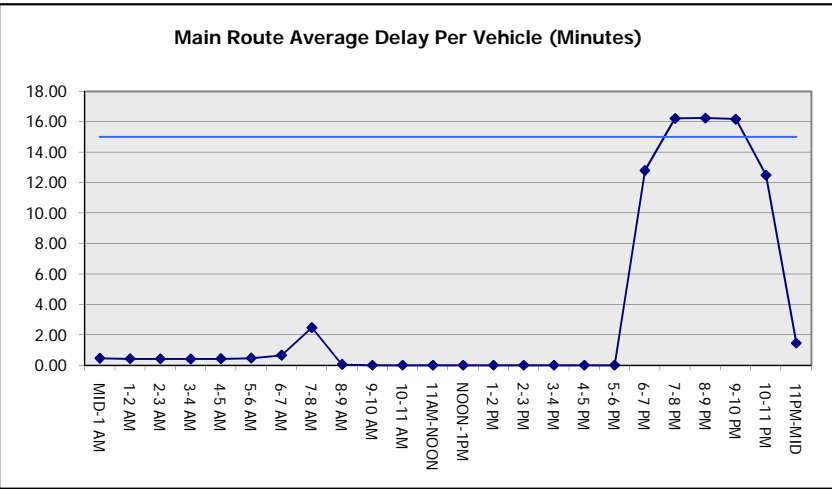
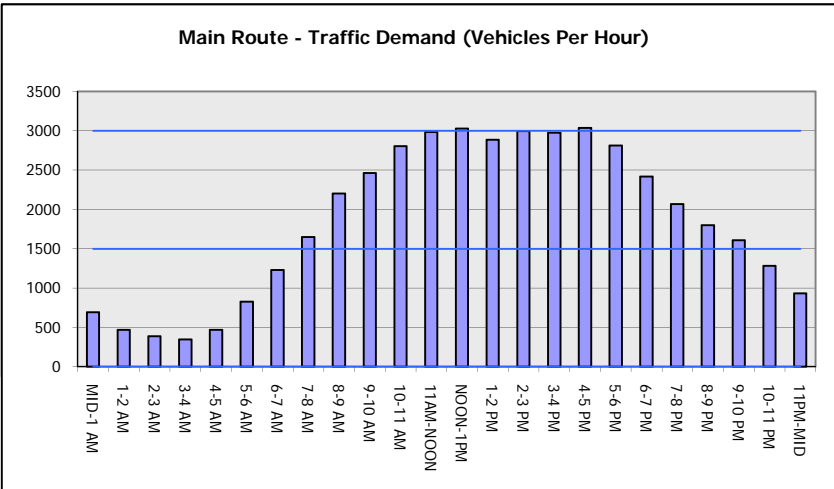
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0734
MAIN ROUTE WITH WORKS	0.0700
'DIVERSION'	0.0057
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,984
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	734	0.0	1500	734	0	0.46	0	70.2	66.7	45.9
1-2 AM	512	0.0	1500	512	0	0.43	0	70.2	66.9	46.9
2-3 AM	455	0.0	1500	455	0	0.43	0	70.2	66.9	47.1
3-4 AM	374	0.0	1500	374	0	0.42	0	70.2	67.0	47.5
4-5 AM	405	0.0	1500	405	0	0.42	0	70.2	67.0	47.3
5-6 AM	633	0.0	1500	633	0	0.45	0	70.2	66.8	46.3
6-7 AM	974	0.0	1499	974	0	0.49	0	70.2	66.5	44.9
7-8 AM	1542	0.0	1499	1542	0	1.73	22	70.1	58.7	33.7
8-9 AM	2084	0.0	OFF	2084	0	0.02	1	69.4	69.2	69.2
9-10 AM	2593	0.0	OFF	2593	0	0.00	0	68.8	68.8	68.8
10-11 AM	2900	0.0	OFF	2900	0	0.00	0	68.4	68.4	68.4
11AM-NOON	3060	0.0	OFF	3060	0	0.00	0	68.2	68.2	68.2
NOON-1PM	3095	0.0	OFF	3095	0	0.00	0	68.2	68.2	68.2
1-2 PM	2944	0.0	OFF	2944	0	0.00	0	68.4	68.4	68.4
2-3 PM	2693	0.0	OFF	2693	0	0.00	0	68.7	68.7	68.7
3-4 PM	3155	0.0	OFF	3155	0	0.00	0	68.1	68.1	68.1
4-5 PM	2766	0.0	OFF	2766	0	0.00	0	68.6	68.6	68.6
5-6 PM	2639	0.0	OFF	2639	0	0.00	0	68.7	68.7	68.7
6-7 PM	2039	0.0	1499	1878	161	10.66+	277	69.5	31.8	32.5
7-8 PM	1678	0.0	1499	1515	163	16.21+	398	69.9	24.8	32.5
8-9 PM	1537	0.0	1500	1503	34	16.28+	399	70.1	24.8	32.5
9-10 PM	1630	0.0	1500	1500	130	16.29+	400	70.0	24.8	32.5
10-11 PM	1238	0.0	1499	1238	0	11.54	287	70.2	30.6	33.5
11PM-MID	906	0.0	1500	906	0	1.00	17	70.2	63.1	45.1

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

+ 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	0.0705
MAIN ROUTE WITH WORKS	0.0688
'DIVERSION'	0.0019

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,996
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

