

IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	754	0.0	OFF	754	0	0.00	0	70.2	70.2	70.2	
1-2 AM	492	0.0	OFF	492	0	0.00	0	70.2	70.2	70.2	
2-3 AM	394	0.0	OFF	394	0	0.00	0	70.2	70.2	70.2	
3-4 AM	365	0.0	OFF	365	0	0.00	0	70.2	70.2	70.2	
4-5 AM	466	0.0	OFF	466	0	0.00	0	70.2	70.2	70.2	
5-6 AM	882	0.0	OFF	882	0	0.00	0	70.2	70.2	70.2	
6-7 AM	1264	0.0	OFF	1264	0	0.00	0	70.2	70.2	70.2	
7-8 AM	1763	0.0	OFF	1763	0	0.00	0	69.9	69.9	69.9	
8-9 AM	2388	0.0	3000	2388	0	0.36	0	69.1	66.4	49.0	
9-10 AM	2890	0.0	2999	2890	0	0.69	0	68.4	63.7	38.7	
10-11 AM	3204	0.0	2999	3204	0	2.20	84	68.1	54.9	36.9	
11AM-NOON	3446	0.0	3000	3446	0	7.96	413	67.8	36.3	36.9	
NOON-1PM	3633	0.0	2999	3167	466	14.84+	781	67.3	25.9	36.9	
1-2 PM	3595	0.0	3000	3000	595	15.21+	800	67.6	25.5	36.9	
2-3 PM	3425	0.0	3000	3000	425	15.24+	800	67.8	25.5	36.9	
3-4 PM	3261	0.0	3000	3000	261	15.26+	800	68.0	25.5	36.9	
4-5 PM	3297	0.0	3000	3000	297	15.26+	800	67.9	25.5	36.9	
5-6 PM	2938	0.0	2999	2897	41	14.81+	772	68.4	26.1	36.9	
6-7 PM	2580	0.0	OFF	2580	0	0.86	74	68.8	62.8	62.8	
7-8 PM	2275	0.0	OFF	2275	0	0.00	0	69.2	69.2	69.2	
8-9 PM	1927	0.0	OFF	1927	0	0.00	0	69.6	69.6	69.6	
9-10 PM	1816	0.0	OFF	1816	0	0.00	0	69.8	69.8	69.8	
10-11 PM	1573	0.0	OFF	1573	0	0.00	0	70.1	70.1	70.1	
11PM-MID	1139	0.0	OFF	1139	0	0.00	0	70.2	70.2	70.2	

"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

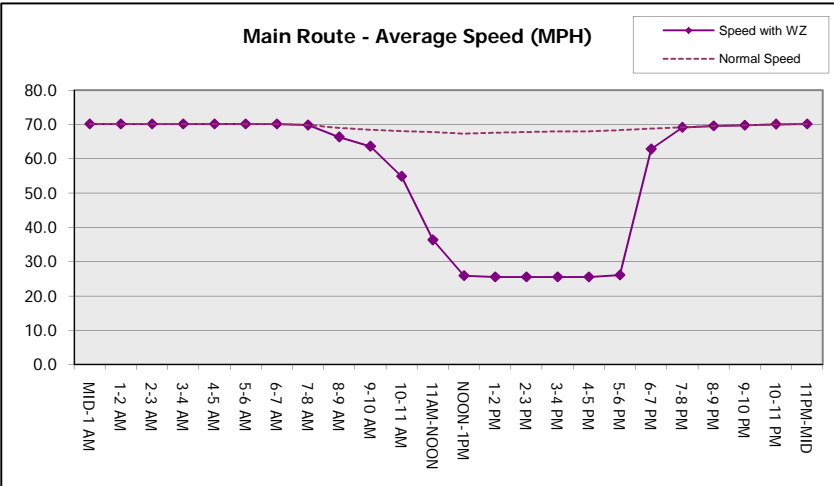
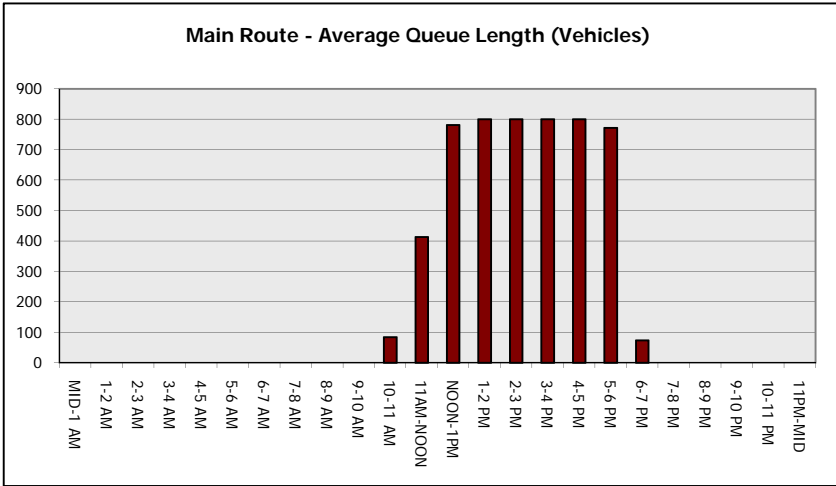
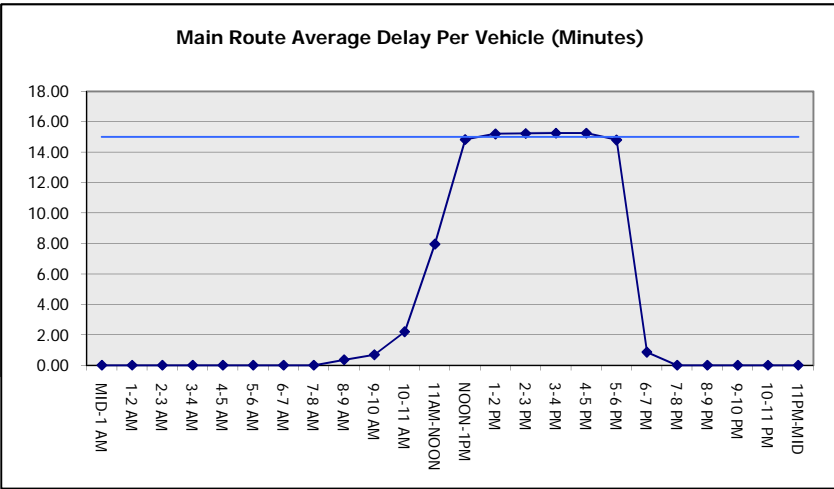
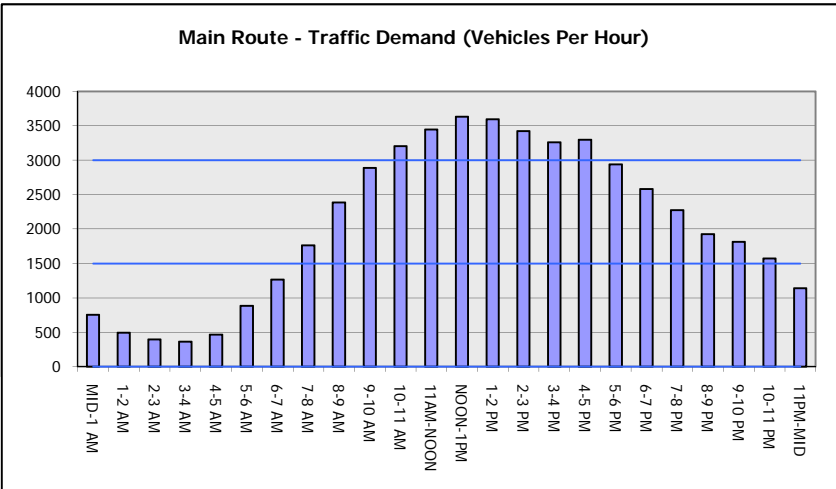
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0824
MAIN ROUTE WITH WORKS	0.0770
'DIVERSION'	0.0080
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$91,625
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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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	869	0.0	OFF	869	0	0.00	0	70.2	70.2	70.2
1-2 AM	550	0.0	OFF	550	0	0.00	0	70.2	70.2	70.2
2-3 AM	477	0.0	OFF	477	0	0.00	0	70.2	70.2	70.2
3-4 AM	420	0.0	OFF	420	0	0.00	0	70.2	70.2	70.2
4-5 AM	435	0.0	OFF	435	0	0.00	0	70.2	70.2	70.2
5-6 AM	638	0.0	OFF	638	0	0.00	0	70.2	70.2	70.2
6-7 AM	1002	0.0	OFF	1002	0	0.00	0	70.2	70.2	70.2
7-8 AM	1471	0.0	OFF	1471	0	0.00	0	70.2	70.2	70.2
8-9 AM	2125	0.0	2999	2125	0	0.35	0	69.4	66.8	49.7
9-10 AM	2896	0.0	2999	2896	0	0.78	5	68.4	63.0	39.0
10-11 AM	3341	0.0	3000	3341	0	3.75	176	67.9	48.3	36.9
11AM-NOON	3467	0.0	3000	3467	0	11.24+	593	67.8	30.5	36.9
NOON-1PM	3511	0.0	2999	3000	511	15.22+	799	67.7	25.5	36.9
1-2 PM	3382	0.0	3000	3000	382	15.24+	800	67.8	25.5	36.9
2-3 PM	3555	0.0	3000	3000	555	15.22+	800	67.6	25.5	36.9
3-4 PM	3432	0.0	3000	3000	432	15.24+	800	67.8	25.5	36.9
4-5 PM	3229	0.0	3000	2976	254	15.22+	797	68.0	25.6	36.9
5-6 PM	2991	0.0	2999	2952	40	15.16+	791	68.3	25.7	36.9
6-7 PM	2523	0.0	OFF	2523	0	0.96	82	68.9	62.3	62.3
7-8 PM	2079	0.0	OFF	2079	0	0.00	0	69.4	69.4	69.4
8-9 PM	1964	0.0	OFF	1964	0	0.00	0	69.6	69.6	69.6
9-10 PM	1986	0.0	OFF	1986	0	0.00	0	69.6	69.6	69.6
10-11 PM	1625	0.0	OFF	1625	0	0.00	0	70.0	70.0	70.0
11PM-MID	1163	0.0	OFF	1163	0	0.00	0	70.2	70.2	70.2

"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	0.0813
MAIN ROUTE WITH WORKS	0.0758
'DIVERSION'	0.0083

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$96,653
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

