

IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA 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	787	0.0	OFF	787	0	0.00	0	70.2	70.2	70.2
1-2 AM	552	0.0	OFF	552	0	0.00	0	70.2	70.2	70.2
2-3 AM	416	0.0	OFF	416	0	0.00	0	70.2	70.2	70.2
3-4 AM	387	0.0	OFF	387	0	0.00	0	70.2	70.2	70.2
4-5 AM	437	0.0	OFF	437	0	0.00	0	70.2	70.2	70.2
5-6 AM	621	0.0	OFF	621	0	0.00	0	70.2	70.2	70.2
6-7 AM	934	0.0	OFF	934	0	0.00	0	70.2	70.2	70.2
7-8 AM	1367	0.0	OFF	1367	0	0.00	0	70.2	70.2	70.2
8-9 AM	1915	0.0	3000	1915	0	0.35	0	69.7	67.1	49.7
9-10 AM	2674	0.0	2999	2674	0	0.55	0	68.7	65.0	42.7
10-11 AM	3209	0.0	2999	3209	0	2.19	84	68.1	55.4	36.9
11AM-NOON	3320	0.0	3000	3320	0	7.25	366	67.9	38.8	36.9
NOON-1PM	3264	0.0	2999	3264	0	12.75+	665	68.0	29.2	36.9
1-2 PM	3165	0.0	2999	3000	165	15.28+	799	68.1	26.3	36.9
2-3 PM	3217	0.0	3000	3000	217	15.27+	800	68.1	26.3	36.9
3-4 PM	3099	0.0	3000	3000	99	15.29+	800	68.2	26.3	36.9
4-5 PM	2932	0.0	3000	2932	0	14.78+	771	68.4	26.8	36.9
5-6 PM	2692	0.0	2999	2692	0	11.41	590	68.7	31.2	36.9
6-7 PM	2280	0.0	OFF	2280	0	0.30	23	69.2	67.1	67.1
7-8 PM	1918	0.0	OFF	1918	0	0.00	0	69.7	69.7	69.7
8-9 PM	1713	0.0	OFF	1713	0	0.00	0	69.9	69.9	69.9
9-10 PM	1750	0.0	OFF	1750	0	0.00	0	69.9	69.9	69.9
10-11 PM	1447	0.0	OFF	1447	0	0.00	0	70.2	70.2	70.2
11PM-MID	1052	0.0	OFF	1052	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

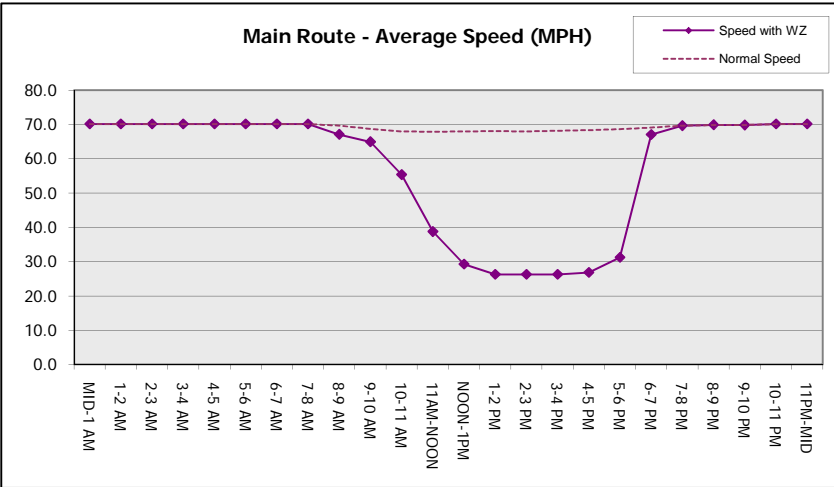
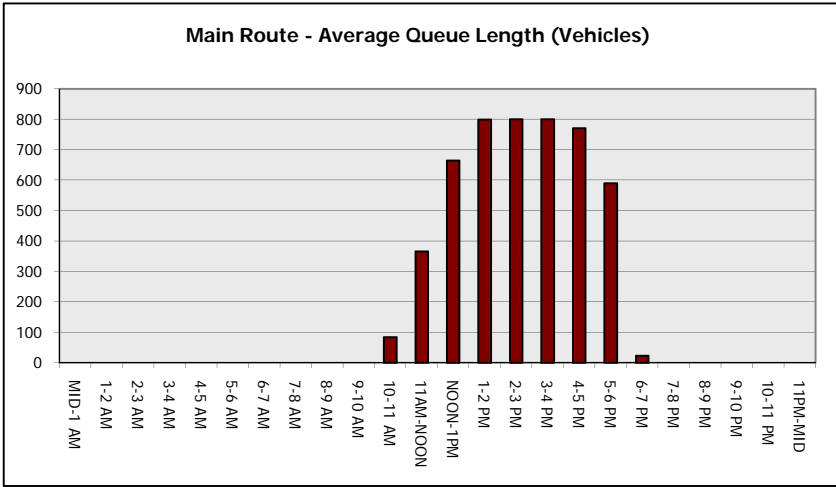
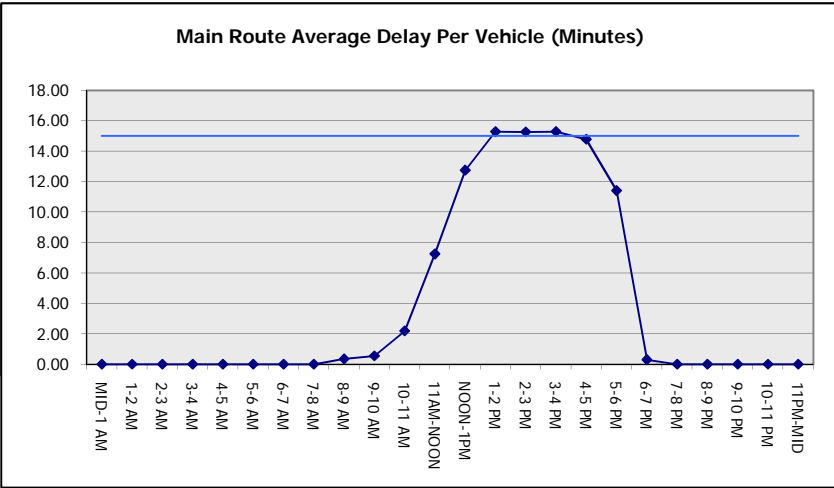
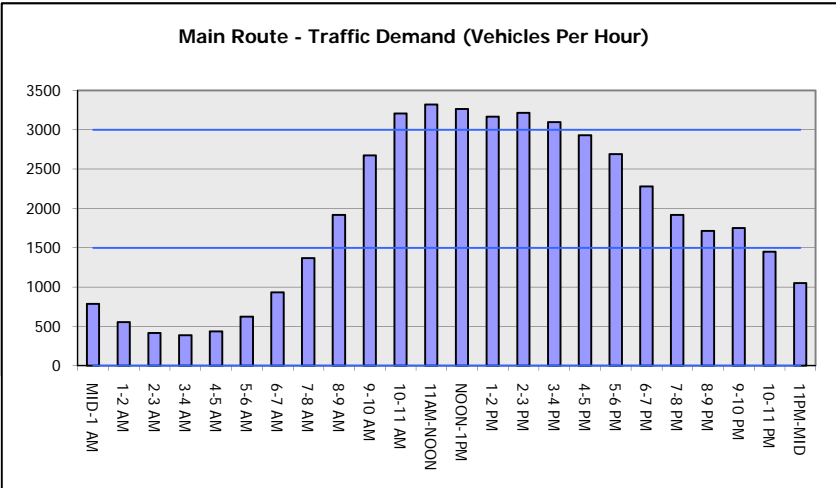
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0783
MAIN ROUTE WITH WORKS	0.0756
'DIVERSION'	0.0019
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$79,417
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	700	0.0	OFF	700	0	0.00	0	70.2	70.2	70.2
1-2 AM	439	0.0	OFF	439	0	0.00	0	70.2	70.2	70.2
2-3 AM	384	0.0	OFF	384	0	0.00	0	70.2	70.2	70.2
3-4 AM	325	0.0	OFF	325	0	0.00	0	70.2	70.2	70.2
4-5 AM	413	0.0	OFF	413	0	0.00	0	70.2	70.2	70.2
5-6 AM	693	0.0	OFF	693	0	0.00	0	70.2	70.2	70.2
6-7 AM	1040	0.0	OFF	1040	0	0.00	0	70.2	70.2	70.2
7-8 AM	1488	0.0	OFF	1488	0	0.00	0	70.2	70.2	70.2
8-9 AM	2112	0.0	3000	2112	0	0.35	0	69.4	66.9	49.7
9-10 AM	2563	0.0	3000	2563	0	0.48	0	68.9	65.6	44.8
10-11 AM	2842	0.0	2999	2842	0	0.66	0	68.5	64.1	39.4
11AM-NOON	3104	0.0	2999	3104	0	1.40	36	68.2	59.5	36.9
NOON-1PM	3330	0.0	3000	3330	0	5.38	264	67.9	43.6	36.9
1-2 PM	3229	0.0	2999	3229	0	10.77	555	68.0	32.1	36.9
2-3 PM	3108	0.0	2999	3108	0	13.85+	721	68.2	27.9	36.9
3-4 PM	3075	0.0	2999	3037	38	15.20+	794	68.2	26.4	36.9
4-5 PM	3110	0.0	3000	3000	110	15.29+	799	68.2	26.3	36.9
5-6 PM	2718	0.0	2999	2718	0	13.25+	690	68.7	28.7	36.9
6-7 PM	2339	0.0	OFF	2339	0	0.47	37	69.1	65.9	65.9
7-8 PM	2178	0.0	OFF	2178	0	0.00	0	69.3	69.3	69.3
8-9 PM	1781	0.0	OFF	1781	0	0.00	0	69.8	69.8	69.8
9-10 PM	1699	0.0	OFF	1699	0	0.00	0	69.9	69.9	69.9
10-11 PM	1449	0.0	OFF	1449	0	0.00	0	70.2	70.2	70.2
11PM-MID	992	0.0	OFF	992	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	0.0782
MAIN ROUTE WITH WORKS	0.0761
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$63,471
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

