

IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA 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	639	0.0	1500	639	0	0.45	0	70.2	66.9	46.3
1-2 AM	418	0.0	1500	418	0	0.42	0	70.2	67.1	47.3
2-3 AM	381	0.0	1500	381	0	0.42	0	70.2	67.2	47.4
3-4 AM	350	0.0	1500	350	0	0.41	0	70.2	67.2	47.6
4-5 AM	373	0.0	1500	373	0	0.42	0	70.2	67.2	47.5
5-6 AM	619	0.0	1500	619	0	0.45	0	70.2	66.9	46.4
6-7 AM	912	0.0	1500	912	0	0.48	0	70.2	66.7	45.1
7-8 AM	1311	0.0	1499	1311	0	0.76	0	70.2	64.9	37.7
8-9 AM	1796	0.0	OFF	1796	0	0.00	0	69.8	69.8	69.8
9-10 AM	2289	0.0	OFF	2289	0	0.00	0	69.2	69.2	69.2
10-11 AM	2666	0.0	OFF	2666	0	0.00	0	68.7	68.7	68.7
11AM-NOON	2840	0.0	OFF	2840	0	0.00	0	68.5	68.5	68.5
NOON-1PM	2786	0.0	OFF	2786	0	0.00	0	68.6	68.6	68.6
1-2 PM	2744	0.0	OFF	2744	0	0.00	0	68.6	68.6	68.6
2-3 PM	2464	0.0	OFF	2464	0	0.00	0	69.0	69.0	69.0
3-4 PM	2833	0.0	OFF	2833	0	0.00	0	68.5	68.5	68.5
4-5 PM	2506	0.0	OFF	2506	0	0.00	0	68.9	68.9	68.9
5-6 PM	2396	0.0	OFF	2396	0	0.00	0	69.1	69.1	69.1
6-7 PM	1919	0.0	1499	1919	0	9.11	235	69.7	35.3	32.5
7-8 PM	1569	0.0	1499	1470	98	16.17+	396	70.1	25.6	32.5
8-9 PM	1381	0.0	1499	1381	0	13.82	336	70.2	28.3	32.5
9-10 PM	1339	0.0	1500	1339	0	8.48	199	70.2	36.7	32.6
10-11 PM	1064	0.0	1500	1064	0	1.07	16	70.2	63.0	43.2
11PM-MID	790	0.0	1500	790	0	0.47	0	70.2	66.8	45.6

"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

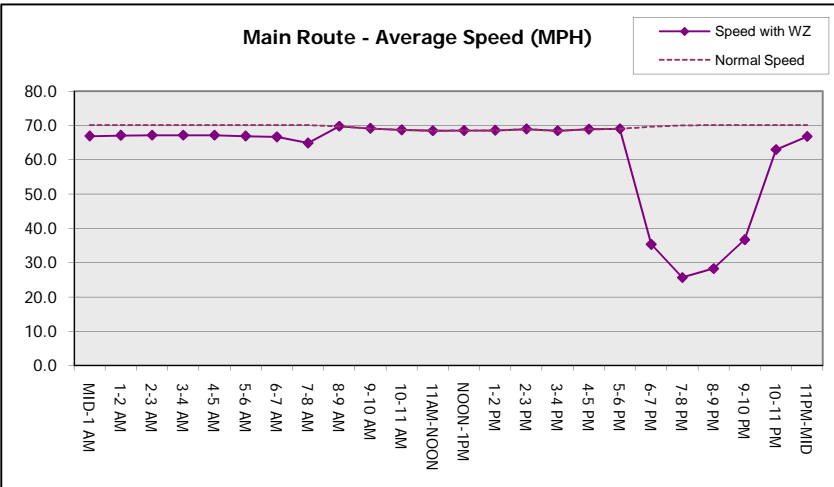
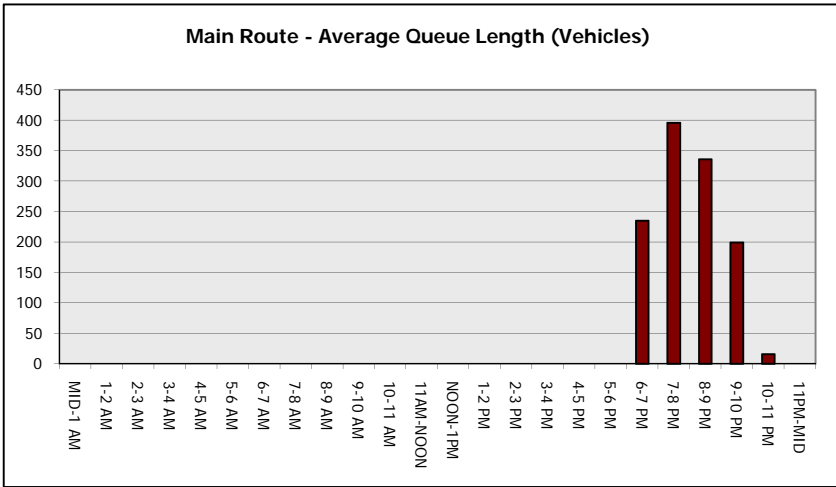
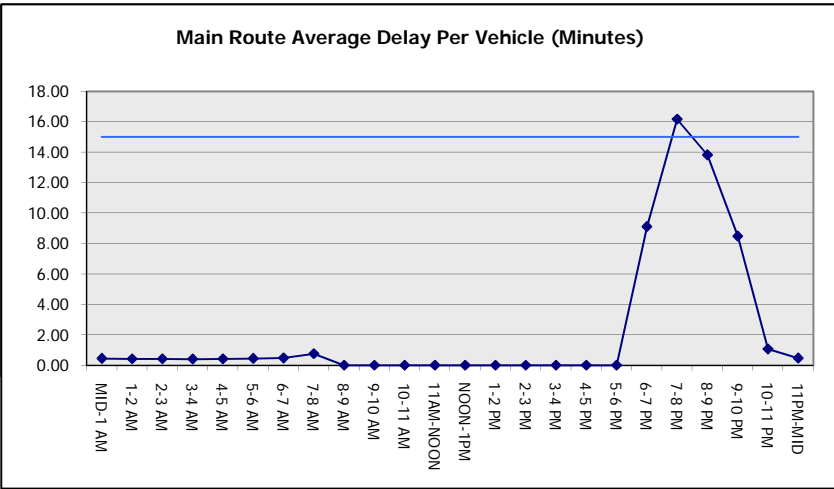
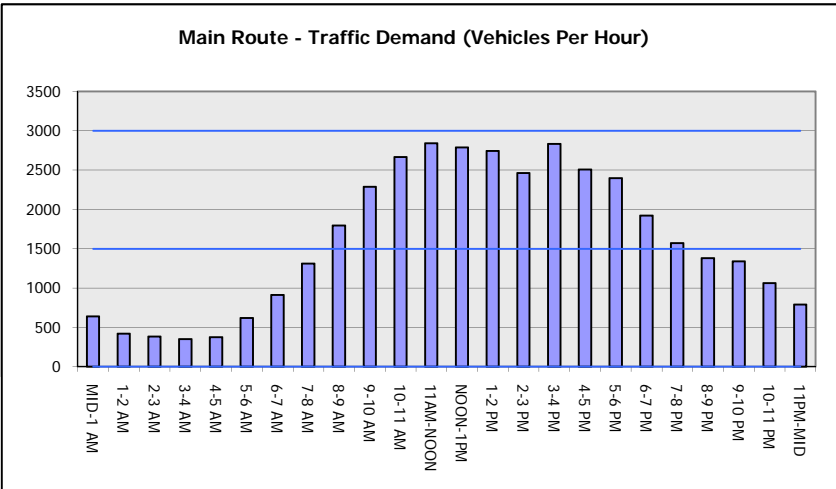
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0666
MAIN ROUTE WITH WORKS	0.0656
'DIVERSION'	0.0004
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$20,569
CONGESTED HOURS PER DAY*	1

*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) 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	629	0.0	1500	629	0	0.45	0	70.2	66.9	46.3
1-2 AM	445	0.0	1500	445	0	0.42	0	70.2	67.1	47.1
2-3 AM	367	0.0	1500	367	0	0.42	0	70.2	67.2	47.5
3-4 AM	330	0.0	1500	330	0	0.41	0	70.2	67.2	47.7
4-5 AM	406	0.0	1500	406	0	0.42	0	70.2	67.1	47.3
5-6 AM	661	0.0	1500	661	0	0.45	0	70.2	66.9	46.2
6-7 AM	1009	0.0	1499	1009	0	0.49	0	70.2	66.6	44.8
7-8 AM	1400	0.0	1499	1400	0	0.91	0	70.2	63.9	35.2
8-9 AM	1873	0.0	OFF	1873	0	0.00	0	69.7	69.7	69.7
9-10 AM	2200	0.0	OFF	2200	0	0.00	0	69.3	69.3	69.3
10-11 AM	2459	0.0	OFF	2459	0	0.00	0	69.0	69.0	69.0
11AM-NOON	2673	0.0	OFF	2673	0	0.00	0	68.7	68.7	68.7
NOON-1PM	2661	0.0	OFF	2661	0	0.00	0	68.7	68.7	68.7
1-2 PM	2558	0.0	OFF	2558	0	0.00	0	68.9	68.9	68.9
2-3 PM	2655	0.0	OFF	2655	0	0.00	0	68.7	68.7	68.7
3-4 PM	2730	0.0	OFF	2730	0	0.00	0	68.6	68.6	68.6
4-5 PM	2703	0.0	OFF	2703	0	0.00	0	68.7	68.7	68.7
5-6 PM	2652	0.0	OFF	2652	0	0.00	0	68.7	68.7	68.7
6-7 PM	2169	0.0	1499	1882	287	11.50+	295	69.4	31.2	32.5
7-8 PM	1886	0.0	1500	1500	386	16.24+	400	69.7	25.5	32.5
8-9 PM	1625	0.0	1500	1518	108	16.20+	397	70.0	25.6	32.5
9-10 PM	1435	0.0	1499	1435	0	15.58+	381	70.2	26.3	32.5
10-11 PM	1168	0.0	1499	1168	0	7.20	187	70.2	39.6	35.7
11PM-MID	860	0.0	1500	860	0	0.48	0	70.2	66.8	45.4

"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	0.0686
MAIN ROUTE WITH WORKS	0.0664
'DIVERSION'	0.0031

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,831
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

