

IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	593	0.0	3000	593	0	0.36	0	70.2	67.6	49.7
1-2 AM	434	0.0	3000	434	0	0.36	0	70.2	67.6	49.7
2-3 AM	433	0.0	3000	433	0	0.36	0	70.2	67.6	49.7
3-4 AM	468	0.0	3000	468	0	0.36	0	70.2	67.6	49.7
4-5 AM	768	0.0	3000	768	0	0.36	0	70.2	67.6	49.7
5-6 AM	1403	0.0	OFF	1403	0	0.00	0	70.2	70.2	70.2
6-7 AM	1927	0.0	OFF	1927	0	0.00	0	69.6	69.6	69.6
7-8 AM	2151	0.0	OFF	2151	0	0.00	0	69.4	69.4	69.4
8-9 AM	2190	0.0	OFF	2190	0	0.00	0	69.3	69.3	69.3
9-10 AM	2549	0.0	OFF	2549	0	0.00	0	68.9	68.9	68.9
10-11 AM	2752	0.0	OFF	2752	0	0.00	0	68.6	68.6	68.6
11AM-NOON	2766	0.0	OFF	2766	0	0.00	0	68.6	68.6	68.6
NOON-1PM	2879	0.0	OFF	2879	0	0.00	0	68.4	68.4	68.4
1-2 PM	2977	0.0	OFF	2977	0	0.00	0	68.3	68.3	68.3
2-3 PM	3105	0.0	OFF	3105	0	0.00	0	68.2	68.2	68.2
3-4 PM	3088	0.0	OFF	3088	0	0.00	0	68.2	68.2	68.2
4-5 PM	3059	0.0	OFF	3059	0	0.00	0	68.2	68.2	68.2
5-6 PM	3086	0.0	OFF	3086	0	0.00	0	68.2	68.2	68.2
6-7 PM	2743	0.0	OFF	2743	0	0.00	0	68.6	68.6	68.6
7-8 PM	2142	0.0	3000	2142	0	0.35	0	69.4	66.9	49.7
8-9 PM	1661	0.0	3000	1661	0	0.36	0	70.0	67.4	49.7
9-10 PM	1484	0.0	3000	1484	0	0.36	0	70.2	67.6	49.7
10-11 PM	1381	0.0	3000	1381	0	0.36	0	70.2	67.6	49.7
11PM-MID	1129	0.0	3000	1129	0	0.36	0	70.2	67.6	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	0.0818
MAIN ROUTE WITH WORKS	0.0811
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$806
CONGESTED HOURS PER DAY*	0

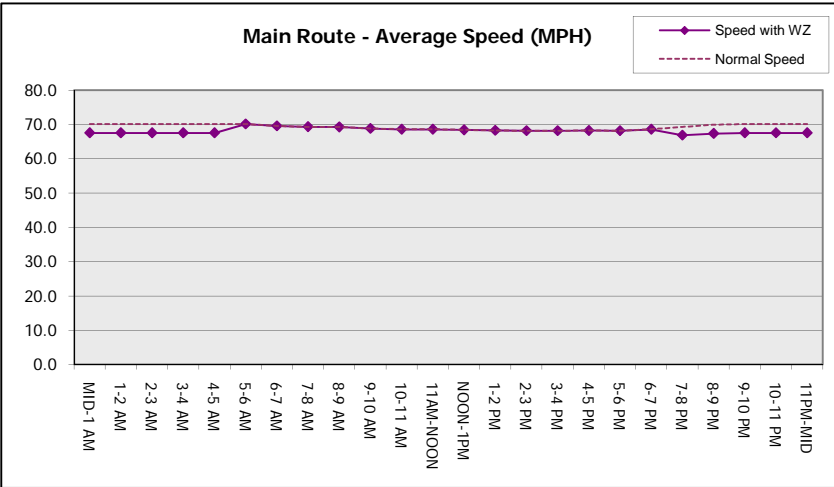
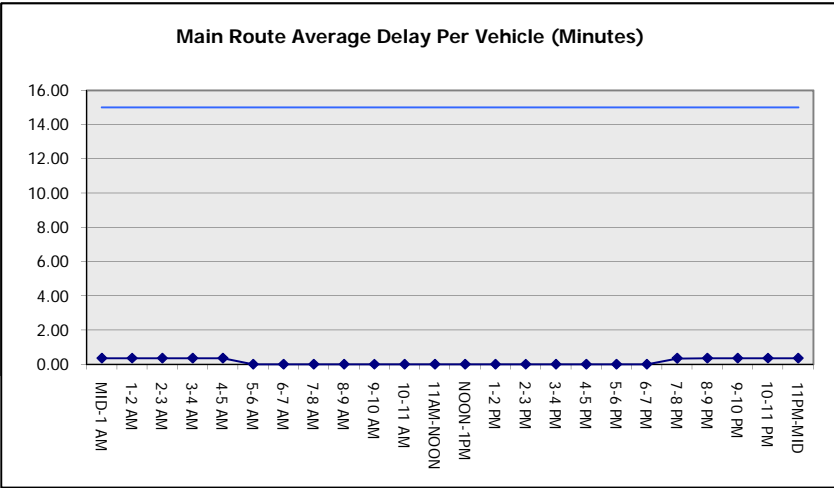
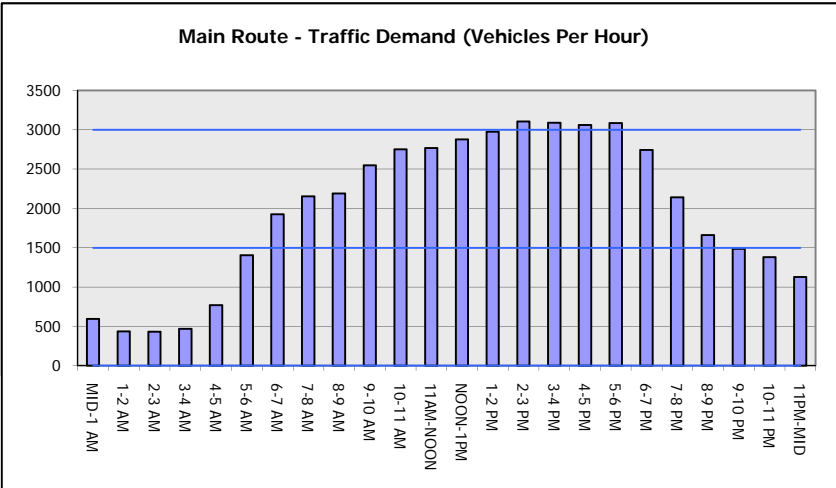
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	706	0.0	3000	706	0	0.36	0	70.2	67.6	49.7
1-2 AM	589	0.0	3000	589	0	0.36	0	70.2	67.6	49.7
2-3 AM	413	0.0	3000	413	0	0.36	0	70.2	67.6	49.7
3-4 AM	472	0.0	3000	472	0	0.36	0	70.2	67.6	49.7
4-5 AM	680	0.0	3000	680	0	0.36	0	70.2	67.6	49.7
5-6 AM	1283	0.0	OFF	1283	0	0.00	0	70.2	70.2	70.2
6-7 AM	2024	0.0	OFF	2024	0	0.00	0	69.6	69.6	69.6
7-8 AM	2313	0.0	OFF	2313	0	0.00	0	69.2	69.2	69.2
8-9 AM	2119	0.0	OFF	2119	0	0.00	0	69.4	69.4	69.4
9-10 AM	2357	0.0	OFF	2357	0	0.00	0	69.1	69.1	69.1
10-11 AM	2777	0.0	OFF	2777	0	0.00	0	68.6	68.6	68.6
11AM-NOON	2926	0.0	OFF	2926	0	0.00	0	68.4	68.4	68.4
NOON-1PM	3068	0.0	OFF	3068	0	0.00	0	68.2	68.2	68.2
1-2 PM	3339	0.0	OFF	3339	0	0.00	0	67.9	67.9	67.9
2-3 PM	3575	0.0	OFF	3575	0	0.00	0	67.6	67.6	67.6
3-4 PM	3607	0.0	OFF	3607	0	0.00	0	67.5	67.5	67.5
4-5 PM	3503	0.0	OFF	3503	0	0.00	0	67.7	67.7	67.7
5-6 PM	3582	0.0	OFF	3582	0	0.00	0	67.6	67.6	67.6
6-7 PM	3440	0.0	OFF	3440	0	0.00	0	67.8	67.8	67.8
7-8 PM	3227	0.0	2999	3227	0	3.28	144	68.0	50.7	36.9
8-9 PM	2453	0.0	2999	2453	0	1.54	66	69.0	59.4	44.7
9-10 PM	1914	0.0	3000	1914	0	0.35	0	69.7	67.1	49.7
10-11 PM	1481	0.0	3000	1481	0	0.36	0	70.2	67.6	49.7
11PM-MID	1080	0.0	3000	1080	0	0.36	0	70.2	67.6	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	0.0918
MAIN ROUTE WITH WORKS	0.0909
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,643
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

