

IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA COUNTIES) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	518	0.0	OFF	518	0	0.00	0	70.2	70.2	70.2	
1-2 AM	428	0.0	OFF	428	0	0.00	0	70.2	70.2	70.2	
2-3 AM	390	0.0	OFF	390	0	0.00	0	70.2	70.2	70.2	
3-4 AM	441	0.0	OFF	441	0	0.00	0	70.2	70.2	70.2	
4-5 AM	757	0.0	OFF	757	0	0.00	0	70.2	70.2	70.2	
5-6 AM	1434	0.0	OFF	1434	0	0.00	0	70.2	70.2	70.2	
6-7 AM	2015	0.0	OFF	2015	0	0.00	0	69.6	69.6	69.6	
7-8 AM	2237	0.0	OFF	2237	0	0.00	0	69.2	69.2	69.2	
8-9 AM	2194	0.0	OFF	2194	0	0.00	0	69.3	69.3	69.3	
9-10 AM	2345	0.0	1499	1910	435	11.84+	302	69.1	30.7	32.5	
10-11 AM	2391	0.0	1500	1500	891	16.16+	400	69.1	25.5	32.5	
11AM-NOON	2492	0.0	1500	1500	992	16.14+	400	68.9	25.5	32.5	
NOON-1PM	2606	0.0	1500	1500	1106	16.12+	400	68.8	25.5	32.5	
1-2 PM	2748	0.0	1500	1500	1248	16.10+	400	68.6	25.5	32.5	
2-3 PM	2885	0.0	1500	1500	1385	16.07+	399	68.4	25.5	32.5	
3-4 PM	2881	0.0	1500	1500	1381	16.07+	400	68.4	25.5	32.5	
4-5 PM	2945	0.0	OFF	2945	0	0.35	27	68.4	66.0	66.0	
5-6 PM	2994	0.0	OFF	2994	0	0.00	0	68.3	68.3	68.3	
6-7 PM	2526	0.0	OFF	2526	0	0.00	0	68.9	68.9	68.9	
7-8 PM	2060	0.0	OFF	2060	0	0.00	0	69.5	69.5	69.5	
8-9 PM	1540	0.0	OFF	1540	0	0.00	0	70.1	70.1	70.1	
9-10 PM	1313	0.0	OFF	1313	0	0.00	0	70.2	70.2	70.2	
10-11 PM	1256	0.0	OFF	1256	0	0.00	0	70.2	70.2	70.2	
11PM-MID	867	0.0	OFF	867	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

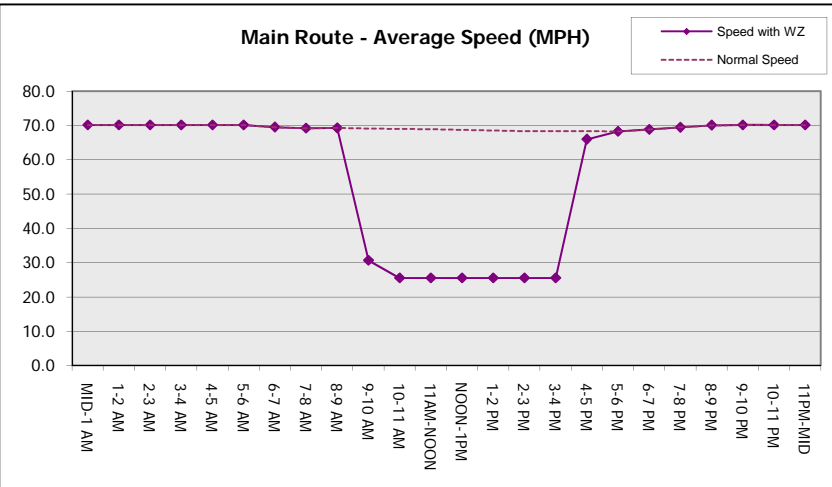
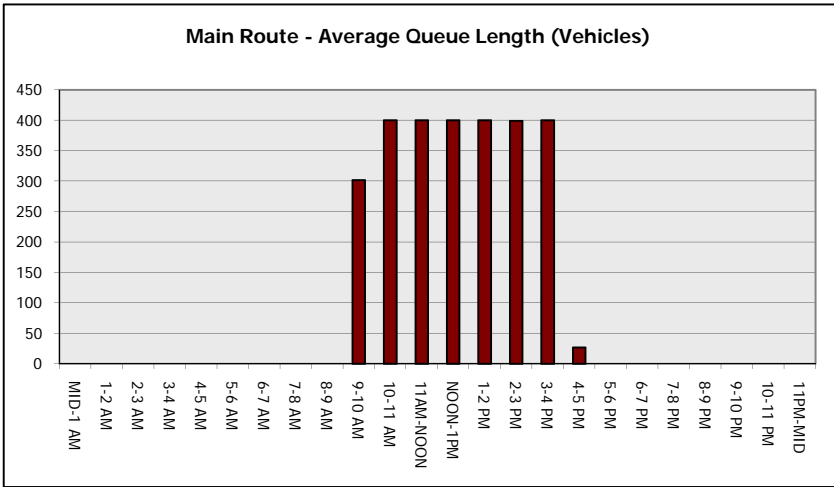
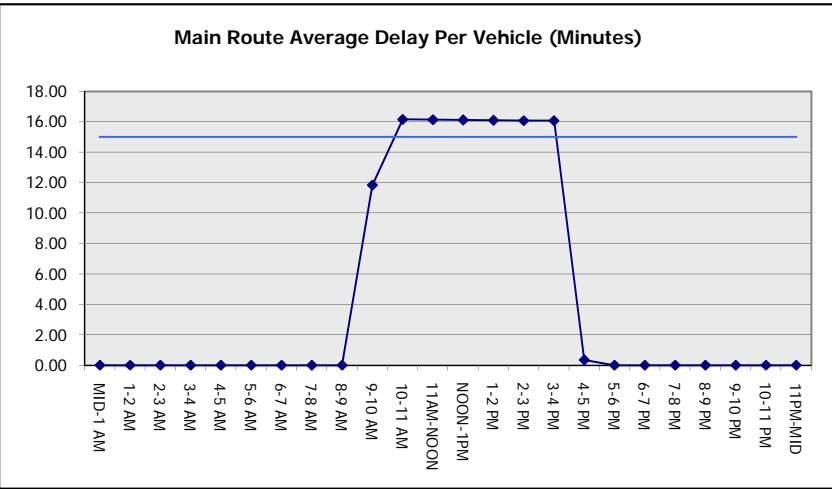
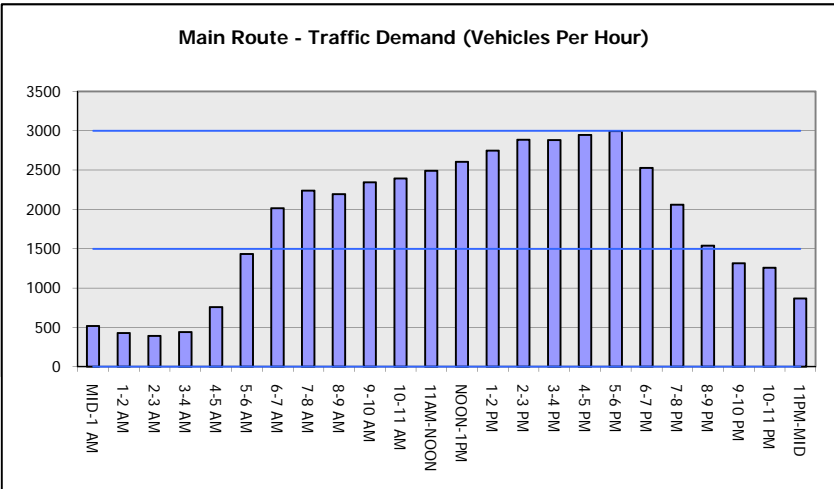
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0768
MAIN ROUTE WITH WORKS	0.0631
'DIVERSION'	0.0299
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$63,709
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA COUNTIES) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	611	0.0	OFF	611	0	0.00	0	70.2	70.2	70.2
1-2 AM	397	0.0	OFF	397	0	0.00	0	70.2	70.2	70.2
2-3 AM	413	0.0	OFF	413	0	0.00	0	70.2	70.2	70.2
3-4 AM	432	0.0	OFF	432	0	0.00	0	70.2	70.2	70.2
4-5 AM	666	0.0	OFF	666	0	0.00	0	70.2	70.2	70.2
5-6 AM	1300	0.0	OFF	1300	0	0.00	0	70.2	70.2	70.2
6-7 AM	2155	0.0	OFF	2155	0	0.00	0	69.4	69.4	69.4
7-8 AM	2294	0.0	OFF	2294	0	0.00	0	69.2	69.2	69.2
8-9 AM	2023	0.0	OFF	2023	0	0.00	0	69.6	69.6	69.6
9-10 AM	2265	0.0	1499	1862	402	11.22+	290	69.2	31.6	32.5
10-11 AM	2344	0.0	1500	1500	844	16.17+	400	69.1	25.5	32.5
11AM-NOON	2500	0.0	1500	1500	1000	16.15+	400	68.9	25.5	32.5
NOON-1PM	2641	0.0	1500	1500	1141	16.12+	400	68.7	25.5	32.5
1-2 PM	2907	0.0	1500	1500	1407	16.08+	400	68.4	25.5	32.5
2-3 PM	3144	0.0	1499	1500	1644	16.03+	400	68.1	25.5	32.5
3-4 PM	3282	0.0	1500	1500	1782	16.01+	400	67.9	25.5	32.5
4-5 PM	3387	0.0	OFF	3387	0	0.44	25	67.8	64.9	64.9
5-6 PM	3303	0.0	OFF	3303	0	0.00	0	67.9	67.9	67.9
6-7 PM	3066	0.0	OFF	3066	0	0.00	0	68.2	68.2	68.2
7-8 PM	2535	0.0	OFF	2535	0	0.00	0	68.9	68.9	68.9
8-9 PM	2102	0.0	OFF	2102	0	0.00	0	69.4	69.4	69.4
9-10 PM	1629	0.0	OFF	1629	0	0.00	0	70.0	70.0	70.0
10-11 PM	1259	0.0	OFF	1259	0	0.00	0	70.2	70.2	70.2
11PM-MID	891	0.0	OFF	891	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	0.0825
MAIN ROUTE WITH WORKS	0.0675
'DIVERSION'	0.0330

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$66,127
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

