

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

MON-THUR 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	439	0.0	OFF	439	0	0.00	0	70.2	70.2	70.2
1-2 AM	349	0.0	OFF	349	0	0.00	0	70.2	70.2	70.2
2-3 AM	325	0.0	OFF	325	0	0.00	0	70.2	70.2	70.2
3-4 AM	379	0.0	OFF	379	0	0.00	0	70.2	70.2	70.2
4-5 AM	660	0.0	OFF	660	0	0.00	0	70.2	70.2	70.2
5-6 AM	1402	0.0	OFF	1402	0	0.00	0	70.2	70.2	70.2
6-7 AM	2073	0.0	OFF	2073	0	0.00	0	69.5	69.5	69.5
7-8 AM	2287	0.0	OFF	2287	0	0.00	0	69.2	69.2	69.2
8-9 AM	2148	0.0	OFF	2148	0	0.00	0	69.4	69.4	69.4
9-10 AM	2174	0.0	1499	1837	337	10.89+	284	69.4	32.2	32.5
10-11 AM	2142	0.0	1500	1500	642	16.21+	400	69.4	25.5	32.5
11AM-NOON	2212	0.0	1500	1500	712	16.20+	400	69.3	25.5	32.5
NOON-1PM	2276	0.0	1500	1500	776	16.19+	400	69.2	25.5	32.5
1-2 PM	2354	0.0	1500	1500	854	16.18+	399	69.1	25.5	32.5
2-3 PM	2455	0.0	1500	1500	955	16.16+	399	69.0	25.5	32.5
3-4 PM	2669	0.0	1500	1500	1169	16.12+	400	68.7	25.5	32.5
4-5 PM	2746	0.0	OFF	2746	0	0.23	17	68.6	67.0	67.0
5-6 PM	2792	0.0	OFF	2792	0	0.00	0	68.6	68.6	68.6
6-7 PM	2256	0.0	OFF	2256	0	0.00	0	69.2	69.2	69.2
7-8 PM	1626	0.0	OFF	1626	0	0.00	0	70.0	70.0	70.0
8-9 PM	1328	0.0	OFF	1328	0	0.00	0	70.2	70.2	70.2
9-10 PM	1191	0.0	OFF	1191	0	0.00	0	70.2	70.2	70.2
10-11 PM	961	0.0	OFF	961	0	0.00	0	70.2	70.2	70.2
11PM-MID	691	0.0	OFF	691	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

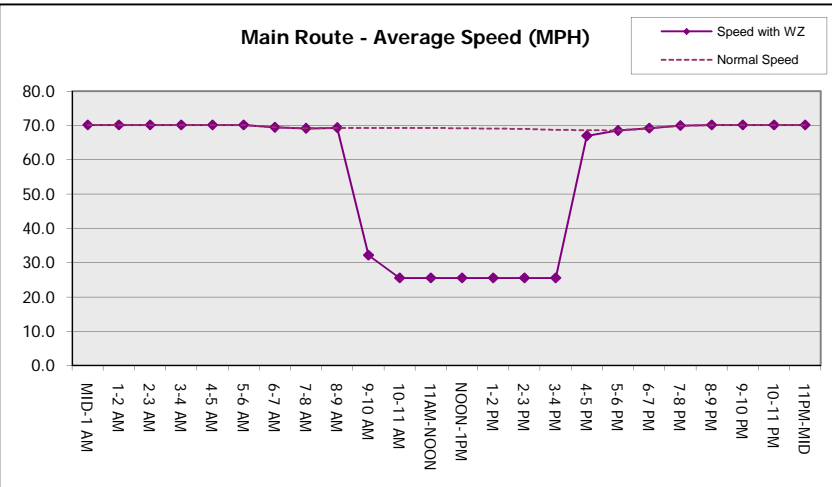
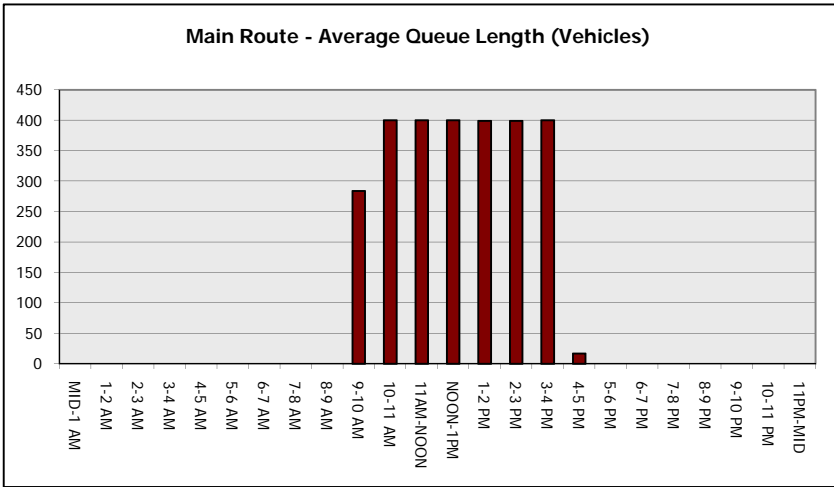
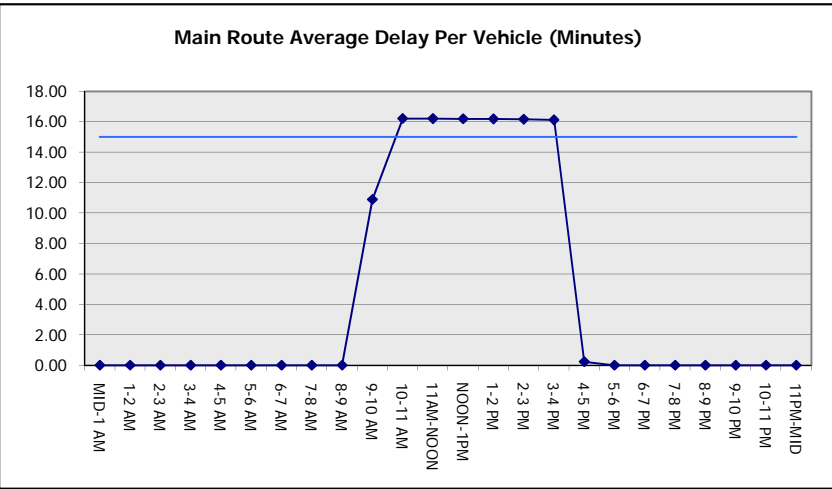
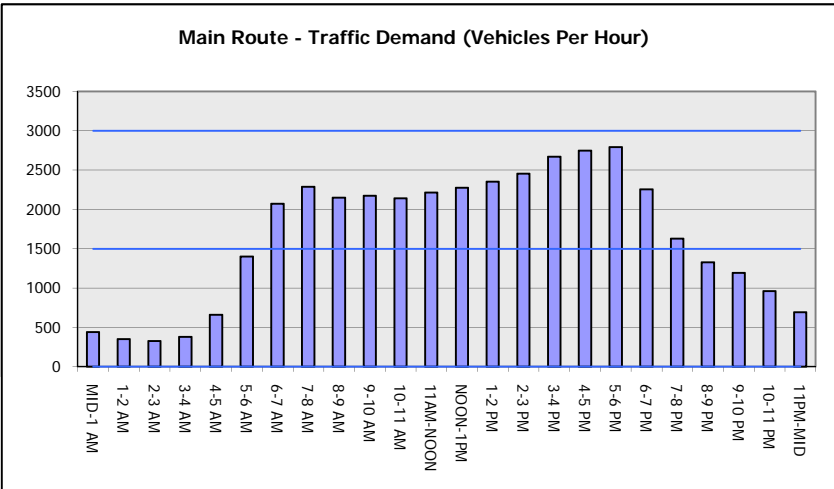
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0693
MAIN ROUTE WITH WORKS	0.0591
'DIVERSION'	0.0219
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$55,331
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR 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	465	0.0	OFF	465	0	0.00	0	70.2	70.2	70.2
1-2 AM	357	0.0	OFF	357	0	0.00	0	70.2	70.2	70.2
2-3 AM	323	0.0	OFF	323	0	0.00	0	70.2	70.2	70.2
3-4 AM	353	0.0	OFF	353	0	0.00	0	70.2	70.2	70.2
4-5 AM	598	0.0	OFF	598	0	0.00	0	70.2	70.2	70.2
5-6 AM	1215	0.0	OFF	1215	0	0.00	0	70.2	70.2	70.2
6-7 AM	2072	0.0	OFF	2072	0	0.00	0	69.5	69.5	69.5
7-8 AM	2274	0.0	OFF	2274	0	0.00	0	69.2	69.2	69.2
8-9 AM	1931	0.0	OFF	1931	0	0.00	0	69.6	69.6	69.6
9-10 AM	1995	0.0	1499	1982	12	8.95+	239	69.6	35.6	32.5
10-11 AM	2116	0.0	1500	1442	674	16.00+	394	69.4	25.7	32.7
11AM-NOON	2108	0.0	1500	1500	608	16.21+	400	69.4	25.5	32.5
NOON-1PM	2095	0.0	1500	1500	595	16.21+	400	69.4	25.5	32.5
1-2 PM	2194	0.0	1500	1500	694	16.19+	400	69.3	25.5	32.5
2-3 PM	2406	0.0	1500	1500	906	16.16+	400	69.1	25.5	32.5
3-4 PM	2666	0.0	1500	1500	1166	16.11+	400	68.7	25.5	32.5
4-5 PM	2691	0.0	OFF	2691	0	0.35	27	68.7	66.3	66.3
5-6 PM	2525	0.0	OFF	2525	0	0.00	0	68.9	68.9	68.9
6-7 PM	2101	0.0	OFF	2101	0	0.00	0	69.4	69.4	69.4
7-8 PM	1658	0.0	OFF	1658	0	0.00	0	70.0	70.0	70.0
8-9 PM	1361	0.0	OFF	1361	0	0.00	0	70.2	70.2	70.2
9-10 PM	1188	0.0	OFF	1188	0	0.00	0	70.2	70.2	70.2
10-11 PM	970	0.0	OFF	970	0	0.00	0	70.2	70.2	70.2
11PM-MID	708	0.0	OFF	708	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	0.0666
MAIN ROUTE WITH WORKS	0.0578
'DIVERSION'	0.0187

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$52,184
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

