

IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA COUNTIES) OFF-PEAK DAY 2 LANE 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	1499	1915	0	6.32	166	69.7	41.6	32.5	
9-10 AM	2674	0.0	1499	1500	1174	16.11+	399	68.7	25.5	32.5	
10-11 AM	3209	0.0	1500	1500	1709	16.02+	400	68.1	25.5	32.5	
11AM-NOON	3320	0.0	1500	1500	1820	16.00+	400	67.9	25.5	32.5	
NOON-1PM	3264	0.0	1500	1500	1764	16.01+	400	68.0	25.5	32.5	
1-2 PM	3165	0.0	1500	1500	1665	16.03+	400	68.1	25.5	32.5	
2-3 PM	3217	0.0	1500	1500	1717	16.02+	400	68.1	25.5	32.5	
3-4 PM	3099	0.0	1500	1500	1599	16.04+	400	68.2	25.5	32.5	
4-5 PM	2932	0.0	1500	1500	1432	16.07+	400	68.4	25.5	32.5	
5-6 PM	2692	0.0	1500	1500	1192	16.11+	400	68.7	25.5	32.5	
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

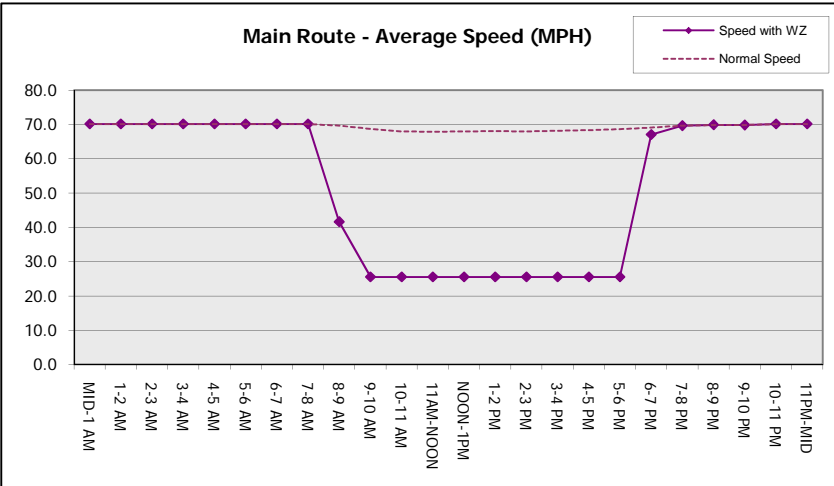
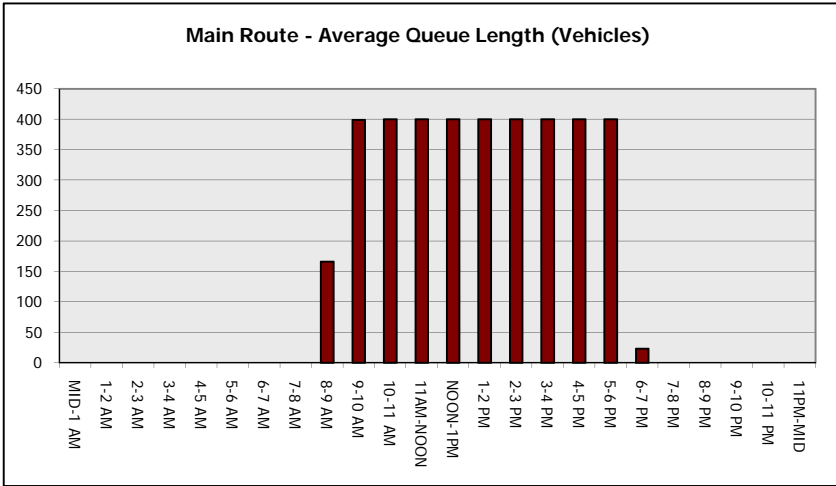
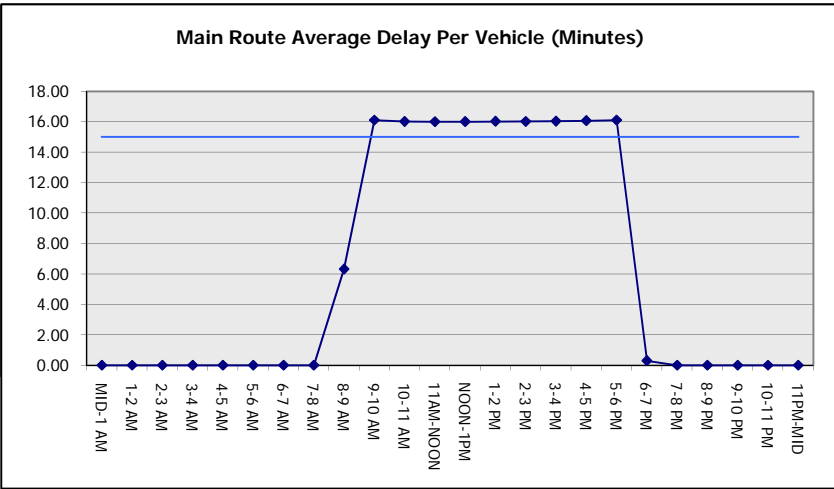
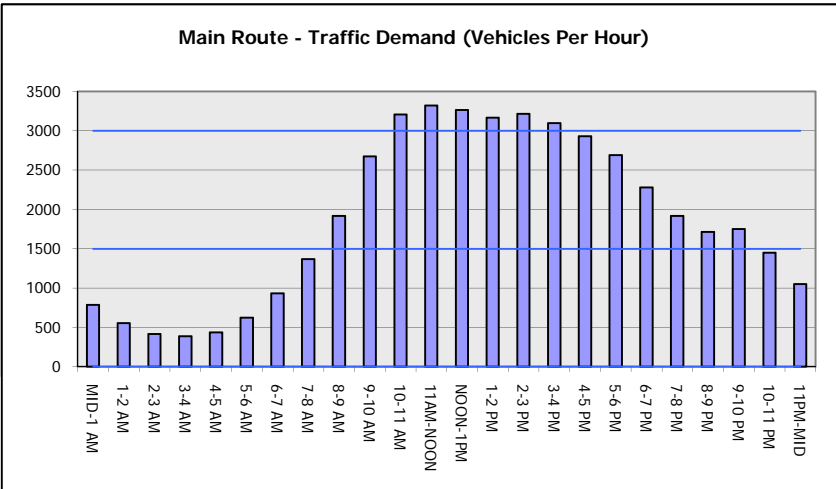
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0783
MAIN ROUTE WITH WORKS	0.0529
'DIVERSION'	0.0565
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$124,764
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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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	1499	1942	170	9.07+	243	69.4	35.3	32.5
9-10 AM	2563	0.0	1500	1500	1063	16.14+	400	68.9	25.5	32.5
10-11 AM	2842	0.0	1500	1500	1342	16.09+	400	68.5	25.5	32.5
11AM-NOON	3104	0.0	1500	1500	1604	16.04+	400	68.2	25.5	32.5
NOON-1PM	3330	0.0	1500	1500	1830	16.00+	400	67.9	25.5	32.5
1-2 PM	3229	0.0	1500	1500	1729	16.02+	400	68.0	25.5	32.5
2-3 PM	3108	0.0	1500	1500	1608	16.04+	400	68.2	25.5	32.5
3-4 PM	3075	0.0	1500	1500	1575	16.05+	400	68.2	25.5	32.5
4-5 PM	3110	0.0	1500	1500	1610	16.04+	400	68.2	25.5	32.5
5-6 PM	2718	0.0	1500	1500	1218	16.11+	400	68.7	25.5	32.5
6-7 PM	2339	0.0	OFF	2339	0	0.34	26	69.1	66.7	66.7
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

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

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

MAIN ROUTE WITHOUT WORKS	0.0782
MAIN ROUTE WITH WORKS	0.0534
'DIVERSION'	0.0552

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$124,656
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

