

IH 94: STH 50 TO STATE LINE (KENOSHA COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY Analyzed for 2009 Construction Season
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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	703	0.0	OFF	703	0	0.00	0	70.2	70.2	70.2	
1-2 AM	481	0.0	OFF	481	0	0.00	0	70.2	70.2	70.2	
2-3 AM	353	0.0	OFF	353	0	0.00	0	70.2	70.2	70.2	
3-4 AM	317	0.0	OFF	317	0	0.00	0	70.2	70.2	70.2	
4-5 AM	419	0.0	OFF	419	0	0.00	0	70.2	70.2	70.2	
5-6 AM	650	0.0	OFF	650	0	0.00	0	70.2	70.2	70.2	
6-7 AM	1035	0.0	OFF	1035	0	0.00	0	70.2	70.2	70.2	
7-8 AM	1517	0.0	OFF	1517	0	0.00	0	70.2	70.2	70.2	
8-9 AM	2077	0.0	1499	1965	112	8.49+	239	69.4	23.7	32.5	
9-10 AM	2483	0.0	1500	1500	983	16.23+	400	68.9	14.8	32.5	
10-11 AM	2810	0.0	1499	1500	1310	16.21+	399	68.6	14.8	32.5	
11AM-NOON	3084	0.0	1499	1500	1584	16.18+	400	68.2	14.8	32.5	
NOON-1PM	3045	0.0	1500	1500	1545	16.19+	400	68.2	14.8	32.5	
1-2 PM	2908	0.0	1499	1500	1408	16.20+	400	68.4	14.8	32.5	
2-3 PM	2998	0.0	1500	1500	1498	16.19+	399	68.3	14.8	32.5	
3-4 PM	3052	0.0	1500	1500	1552	16.19+	400	68.2	14.8	32.5	
4-5 PM	2967	0.0	1499	1500	1467	16.19+	399	68.4	14.8	32.5	
5-6 PM	2865	0.0	1500	1500	1365	16.20+	399	68.5	14.8	32.5	
6-7 PM	2453	0.0	OFF	2453	0	0.34	30	69.0	64.0	64.0	
7-8 PM	2106	0.0	OFF	2106	0	0.00	0	69.4	69.4	69.4	
8-9 PM	1830	0.0	OFF	1830	0	0.00	0	69.7	69.7	69.7	
9-10 PM	1585	0.0	OFF	1585	0	0.00	0	70.0	70.0	70.0	
10-11 PM	1230	0.0	OFF	1230	0	0.00	0	70.2	70.2	70.2	
11PM-MID	926	0.0	OFF	926	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

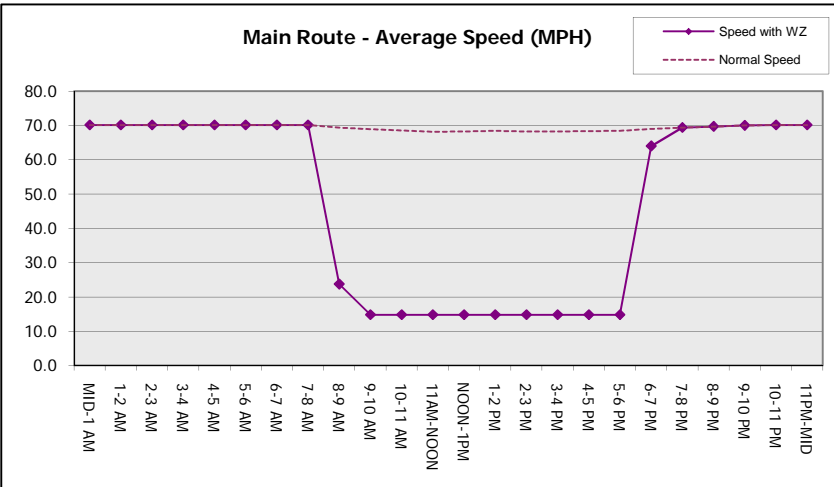
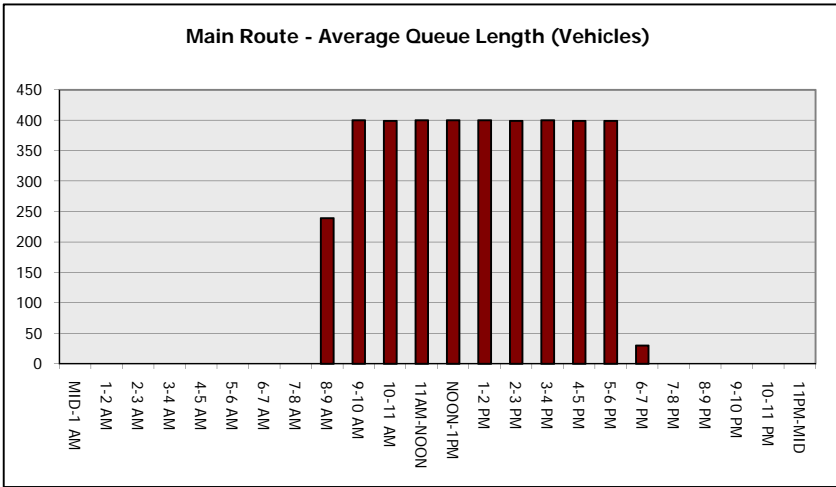
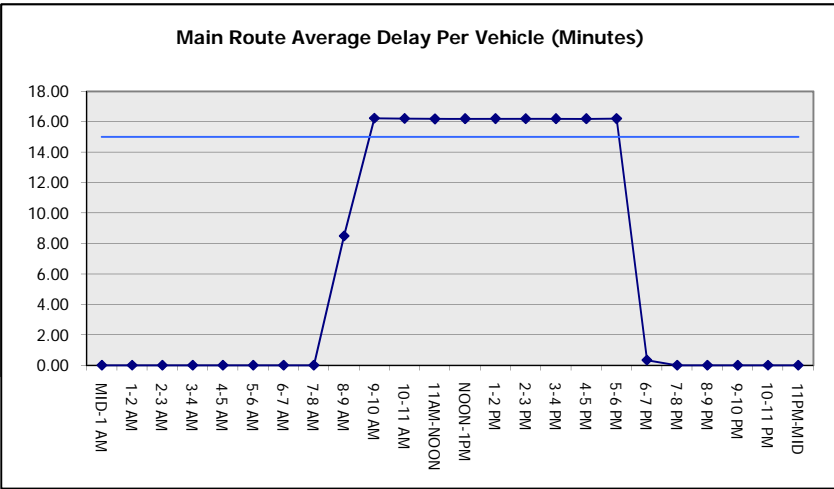
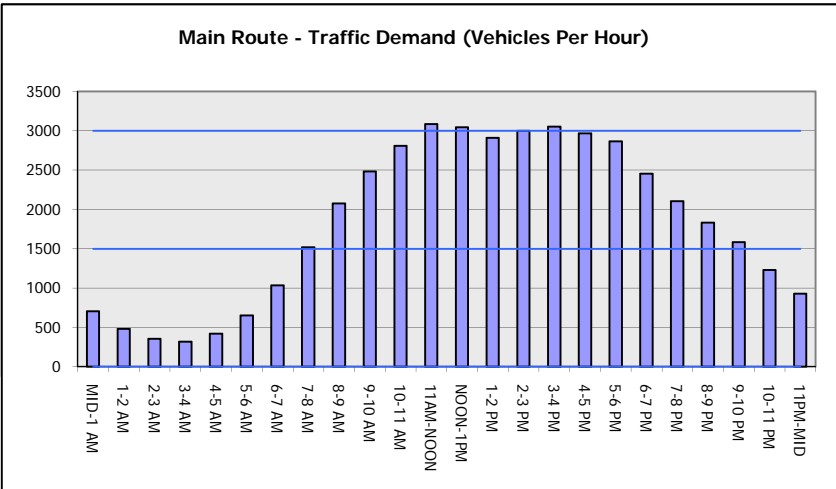
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0356
MAIN ROUTE WITH WORKS	0.0242
'DIVERSION'	0.0241
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$121,982
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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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	600	0.0	OFF	600	0	0.00	0	70.2	70.2	70.2
1-2 AM	417	0.0	OFF	417	0	0.00	0	70.2	70.2	70.2
2-3 AM	383	0.0	OFF	383	0	0.00	0	70.2	70.2	70.2
3-4 AM	370	0.0	OFF	370	0	0.00	0	70.2	70.2	70.2
4-5 AM	460	0.0	OFF	460	0	0.00	0	70.2	70.2	70.2
5-6 AM	818	0.0	OFF	818	0	0.00	0	70.2	70.2	70.2
6-7 AM	1109	0.0	OFF	1109	0	0.00	0	70.2	70.2	70.2
7-8 AM	1461	0.0	OFF	1461	0	0.00	0	70.2	70.2	70.2
8-9 AM	1902	0.0	1499	1902	0	6.25	171	69.7	28.8	32.5
9-10 AM	2401	0.0	1499	1500	901	16.23+	399	69.1	14.8	32.5
10-11 AM	2795	0.0	1500	1500	1295	16.20+	400	68.6	14.8	32.5
11AM-NOON	2898	0.0	1500	1500	1398	16.19+	400	68.4	14.8	32.5
NOON-1PM	2823	0.0	1500	1500	1323	16.20+	400	68.6	14.8	32.5
1-2 PM	2844	0.0	1500	1500	1344	16.20+	400	68.5	14.8	32.5
2-3 PM	2659	0.0	1500	1500	1159	16.21+	400	68.7	14.8	32.5
3-4 PM	2917	0.0	1500	1500	1417	16.19+	400	68.4	14.8	32.5
4-5 PM	2662	0.0	1500	1500	1162	16.21+	400	68.7	14.8	32.5
5-6 PM	2477	0.0	1500	1500	977	16.23+	400	68.9	14.8	32.5
6-7 PM	2027	0.0	OFF	2027	0	0.24	20	69.5	66.0	66.0
7-8 PM	1730	0.0	OFF	1730	0	0.00	0	69.9	69.9	69.9
8-9 PM	1539	0.0	OFF	1539	0	0.00	0	70.1	70.1	70.1
9-10 PM	1428	0.0	OFF	1428	0	0.00	0	70.2	70.2	70.2
10-11 PM	1130	0.0	OFF	1130	0	0.00	0	70.2	70.2	70.2
11PM-MID	802	0.0	OFF	802	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	0.0330
MAIN ROUTE WITH WORKS	0.0231
'DIVERSION'	0.0206

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$112,621
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

