

IH 94: STH 50 TO STATE LINE (KENOSHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	679	0.0	1500	679	0	0.45	0	70.2	63.5	46.1
1-2 AM	418	0.0	1500	418	0	0.42	0	70.2	64.0	47.3
2-3 AM	273	0.0	1500	273	0	0.40	0	70.2	64.2	47.9
3-4 AM	220	0.0	1500	220	0	0.40	0	70.2	64.3	48.2
4-5 AM	212	0.0	1500	212	0	0.40	0	70.2	64.3	48.3
5-6 AM	310	0.0	1500	310	0	0.41	0	70.2	64.1	47.8
6-7 AM	554	0.0	1500	554	0	0.44	0	70.2	63.8	46.7
7-8 AM	911	0.0	1499	911	0	0.48	0	70.2	63.2	45.1
8-9 AM	1399	0.0	1499	1399	0	0.99	3	70.2	57.2	35.6
9-10 AM	1967	0.0	OFF	1967	0	0.00	0	69.6	69.6	69.6
10-11 AM	2582	0.0	OFF	2582	0	0.00	0	68.8	68.8	68.8
11AM-NOON	3006	0.0	OFF	3006	0	0.00	0	68.3	68.3	68.3
NOON-1PM	3062	0.0	OFF	3062	0	0.00	0	68.2	68.2	68.2
1-2 PM	2961	0.0	OFF	2961	0	0.00	0	68.4	68.4	68.4
2-3 PM	2822	0.0	OFF	2822	0	0.00	0	68.6	68.6	68.6
3-4 PM	2876	0.0	OFF	2876	0	0.00	0	68.4	68.4	68.4
4-5 PM	2827	0.0	OFF	2827	0	0.00	0	68.5	68.5	68.5
5-6 PM	2813	0.0	OFF	2813	0	0.00	0	68.6	68.6	68.6
6-7 PM	2669	0.0	OFF	2669	0	0.00	0	68.7	68.7	68.7
7-8 PM	2521	0.0	1499	1866	655	13.08+	326	68.9	17.5	35.4
8-9 PM	1955	0.0	1499	1500	455	16.27+	399	69.6	14.8	32.5
9-10 PM	1638	0.0	1500	1528	110	15.95+	391	70.0	15.0	32.5
10-11 PM	1135	0.0	1499	1135	0	8.59	235	70.2	23.7	36.0
11PM-MID	847	0.0	1500	847	0	0.50	0	70.2	63.0	45.4

"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

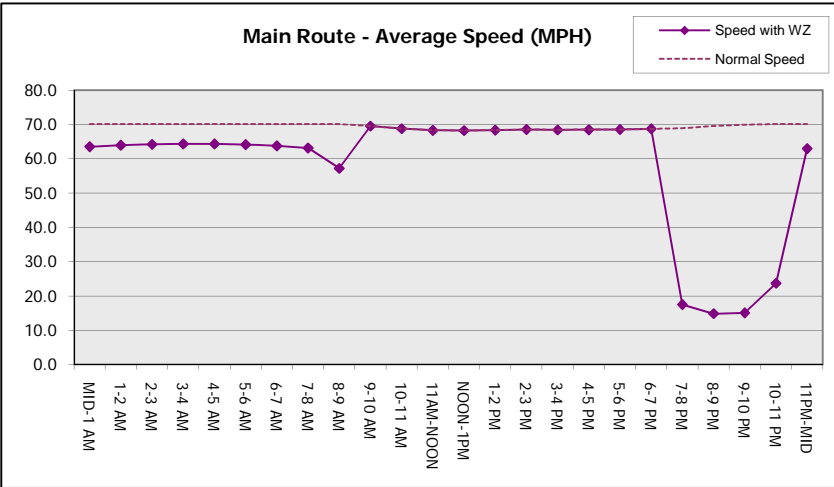
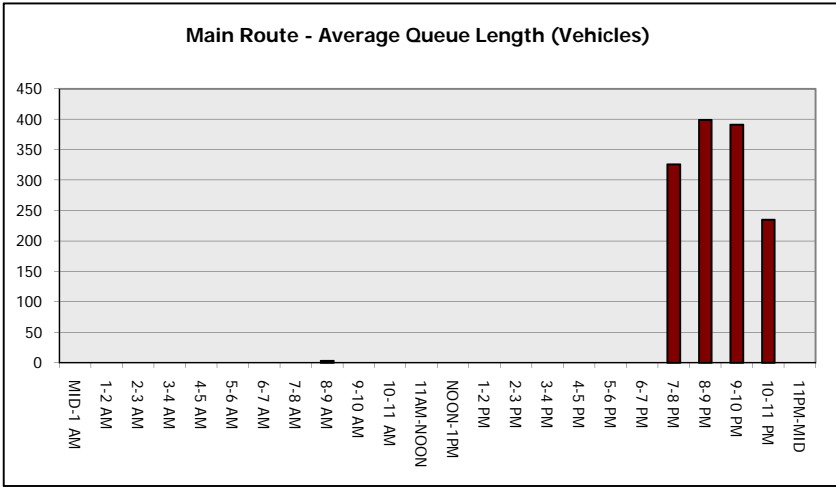
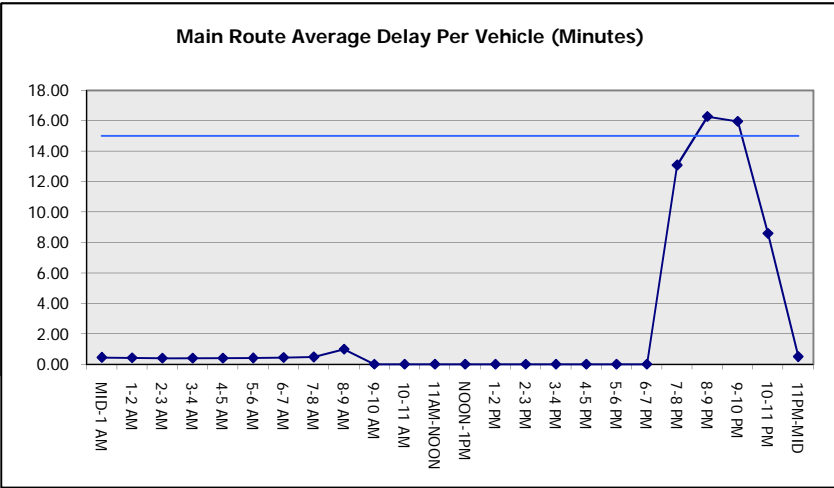
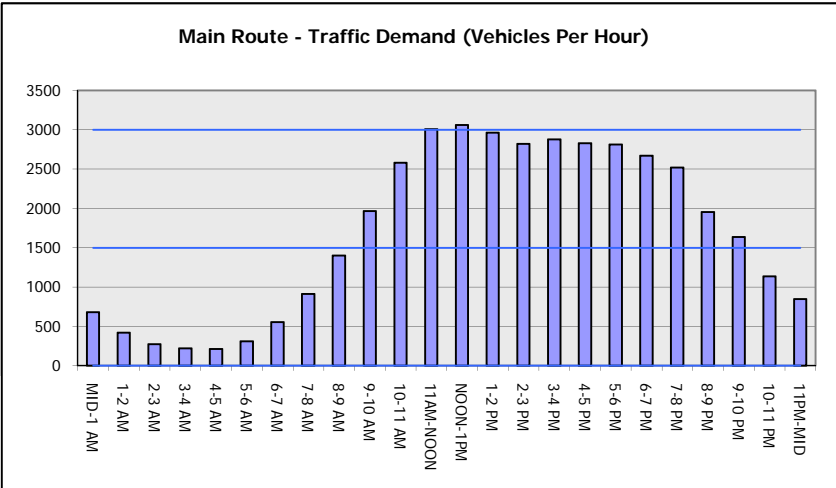
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0330
MAIN ROUTE WITH WORKS	0.0312
'DIVERSION'	0.0023
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$27,274
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: STH 50 TO STATE LINE (KENOSHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	549	0.0	1500	549	0	0.44	0	70.2	63.8	46.7
1-2 AM	332	0.0	1500	332	0	0.41	0	70.2	64.1	47.7
2-3 AM	305	0.0	1500	305	0	0.41	0	70.2	64.1	47.8
3-4 AM	236	0.0	1500	236	0	0.40	0	70.2	64.3	48.1
4-5 AM	249	0.0	1500	249	0	0.40	0	70.2	64.1	47.5
5-6 AM	375	0.0	1500	375	0	0.42	0	70.2	63.7	46.5
6-7 AM	587	0.0	1500	587	0	0.48	0	70.2	60.4	39.1
7-8 AM	853	0.0	1500	853	0	0.71	0	68.6	68.6	68.6
8-9 AM	1274	0.0	1499	1274	0	0.00	0	68.1	68.1	68.1
9-10 AM	1997	0.0	OFF	1997	0	0.00	0	67.9	67.9	67.9
10-11 AM	2763	0.0	OFF	2763	0	0.00	0	67.8	67.8	67.8
11AM-NOON	3190	0.0	OFF	3190	0	0.00	0	67.7	67.7	67.7
NOON-1PM	3329	0.0	OFF	3329	0	0.00	0	67.6	67.6	67.6
1-2 PM	3415	0.0	OFF	3415	0	0.00	0	67.6	67.6	67.6
2-3 PM	3482	0.0	OFF	3482	0	0.00	0	67.6	67.6	67.6
3-4 PM	3564	0.0	OFF	3564	0	0.00	0	67.6	67.6	67.6
4-5 PM	3530	0.0	OFF	3530	0	0.00	0	67.6	67.6	67.6
5-6 PM	3438	0.0	OFF	3438	0	0.00	0	67.6	67.6	67.6
6-7 PM	2883	0.0	OFF	2883	0	0.00	0	69.0	17.7	34.0
7-8 PM	2439	0.0	1499	1910	529	12.85+	321	69.4	14.8	32.5
8-9 PM	2085	0.0	1499	1500	585	16.26+	399	70.0	14.9	32.5
9-10 PM	1611	0.0	1500	1476	135	16.19+	397	70.2	30.1	38.6
10-11 PM	1047	0.0	1499	1047	0	5.81	193	70.2	63.6	46.2
11PM-MID	659	0.0	1500	659	0	0.45	0	70.2	63.6	46.2

"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	0.0359
MAIN ROUTE WITH WORKS	0.0341
'DIVERSION'	0.0023

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$26,250
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

