

IH 94: STH 50 TO STATE LINE (KENOSHA COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

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	3000	679	0	0.36	0	70.2	64.8	49.7
1-2 AM	418	0.0	3000	418	0	0.36	0	70.2	64.8	49.7
2-3 AM	273	0.0	3000	273	0	0.36	0	70.2	64.8	49.7
3-4 AM	220	0.0	3000	220	0	0.36	0	70.2	64.8	49.7
4-5 AM	212	0.0	3000	212	0	0.36	0	70.2	64.8	49.7
5-6 AM	310	0.0	3000	310	0	0.36	0	70.2	64.8	49.7
6-7 AM	554	0.0	3000	554	0	0.36	0	70.2	64.8	49.7
7-8 AM	911	0.0	3000	911	0	0.36	0	70.2	64.8	49.7
8-9 AM	1399	0.0	3000	1399	0	0.36	0	70.2	64.8	49.7
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	3000	2521	0	0.45	0	68.9	62.6	45.7
8-9 PM	1955	0.0	3000	1955	0	0.35	0	69.6	64.5	49.7
9-10 PM	1638	0.0	3000	1638	0	0.36	0	70.0	64.7	49.7
10-11 PM	1135	0.0	3000	1135	0	0.36	0	70.2	64.8	49.7
11PM-MID	847	0.0	3000	847	0	0.36	0	70.2	64.8	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

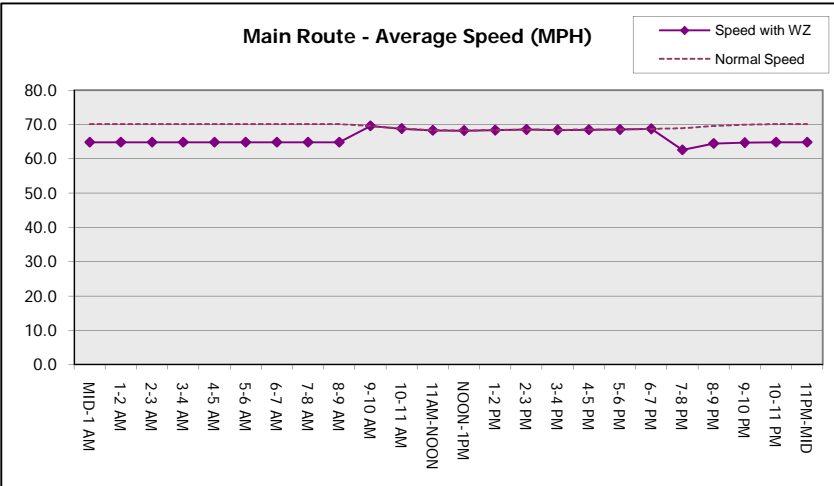
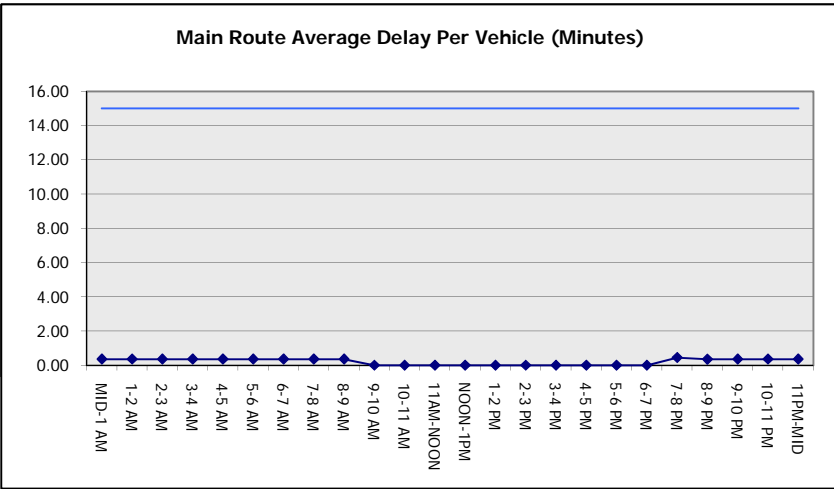
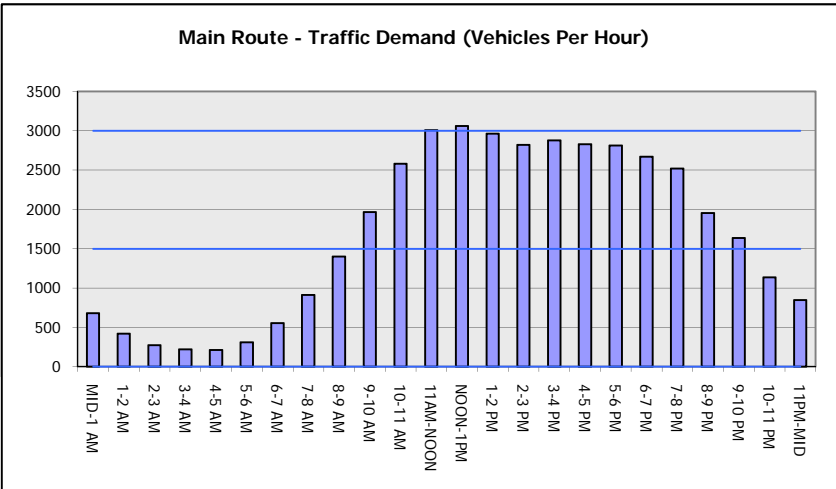
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0330
MAIN ROUTE WITH WORKS	0.0321
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,123
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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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	3000	549	0	0.36	0	70.2	64.8	49.7
1-2 AM	332	0.0	3000	332	0	0.36	0	70.2	64.8	49.7
2-3 AM	305	0.0	3000	305	0	0.36	0	70.2	64.8	49.7
3-4 AM	236	0.0	3000	236	0	0.36	0	70.2	64.8	49.7
4-5 AM	249	0.0	3000	249	0	0.36	0	70.2	64.8	49.7
5-6 AM	375	0.0	3000	375	0	0.36	0	70.2	64.8	49.7
6-7 AM	587	0.0	3000	587	0	0.36	0	70.2	64.8	49.7
7-8 AM	853	0.0	3000	853	0	0.36	0	70.2	64.8	49.7
8-9 AM	1274	0.0	3000	1274	0	0.36	0	70.2	64.8	49.7
9-10 AM	1997	0.0	OFF	1997	0	0.00	0	69.6	69.6	69.6
10-11 AM	2763	0.0	OFF	2763	0	0.00	0	68.6	68.6	68.6
11AM-NOON	3190	0.0	OFF	3190	0	0.00	0	68.1	68.1	68.1
NOON-1PM	3329	0.0	OFF	3329	0	0.00	0	67.9	67.9	67.9
1-2 PM	3415	0.0	OFF	3415	0	0.00	0	67.8	67.8	67.8
2-3 PM	3482	0.0	OFF	3482	0	0.00	0	67.7	67.7	67.7
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	67.8	67.8	67.8
6-7 PM	2883	0.0	OFF	2883	0	0.00	0	68.4	68.4	68.4
7-8 PM	2439	0.0	3000	2439	0	0.40	0	69.0	63.3	47.7
8-9 PM	2085	0.0	3000	2085	0	0.35	0	69.4	64.3	49.7
9-10 PM	1611	0.0	3000	1611	0	0.36	0	70.0	64.7	49.7
10-11 PM	1047	0.0	3000	1047	0	0.36	0	70.2	64.8	49.7
11PM-MID	659	0.0	3000	659	0	0.36	0	70.2	64.8	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0350
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,055
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

