

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	657	0.0	1500	657	0	0.45	0	70.2	63.6	46.2	
1-2 AM	455	0.0	1500	455	0	0.43	0	70.2	63.9	47.1	
2-3 AM	418	0.0	1500	418	0	0.42	0	70.2	64.0	47.3	
3-4 AM	441	0.0	1500	441	0	0.42	0	70.2	64.0	47.2	
4-5 AM	634	0.0	1500	634	0	0.45	0	70.2	63.7	46.3	
5-6 AM	1122	0.0	OFF	1122	0	0.00	0	70.2	70.2	70.2	
6-7 AM	1780	0.0	OFF	1780	0	0.00	0	69.8	69.8	69.8	
7-8 AM	1984	0.0	OFF	1984	0	0.00	0	69.6	69.6	69.6	
8-9 AM	1916	0.0	OFF	1916	0	0.00	0	69.7	69.7	69.7	
9-10 AM	2269	0.0	OFF	2269	0	0.00	0	69.2	69.2	69.2	
10-11 AM	2375	0.0	OFF	2375	0	0.00	0	69.1	69.1	69.1	
11AM-NOON	2650	0.0	OFF	2650	0	0.00	0	68.7	68.7	68.7	
NOON-1PM	2823	0.0	OFF	2823	0	0.00	0	68.6	68.6	68.6	
1-2 PM	3131	0.0	OFF	3131	0	0.00	0	68.1	68.1	68.1	
2-3 PM	3447	0.0	OFF	3447	0	0.00	0	67.8	67.8	67.8	
3-4 PM	3697	0.0	OFF	3697	0	0.00	0	66.9	66.9	66.9	
4-5 PM	4080	0.0	OFF	4080	0	0.00	0	64.3	64.3	64.3	
5-6 PM	4062	0.0	OFF	4062	0	0.00	0	64.4	64.4	64.4	
6-7 PM	3710	0.0	OFF	3710	0	0.00	0	66.8	66.8	66.8	
7-8 PM	2966	0.0	1499	1550	1416	16.41+	412	68.4	14.7	39.1	
8-9 PM	2329	0.0	1499	1810	518	13.10+	334	69.1	17.5	34.7	
9-10 PM	1807	0.0	1499	1535	271	16.12+	395	69.8	14.9	32.5	
10-11 PM	1335	0.0	1499	1335	0	13.71+	337	70.2	17.0	32.5	
11PM-MID	1036	0.0	1499	1036	0	2.27	69	70.2	46.1	41.2	

"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

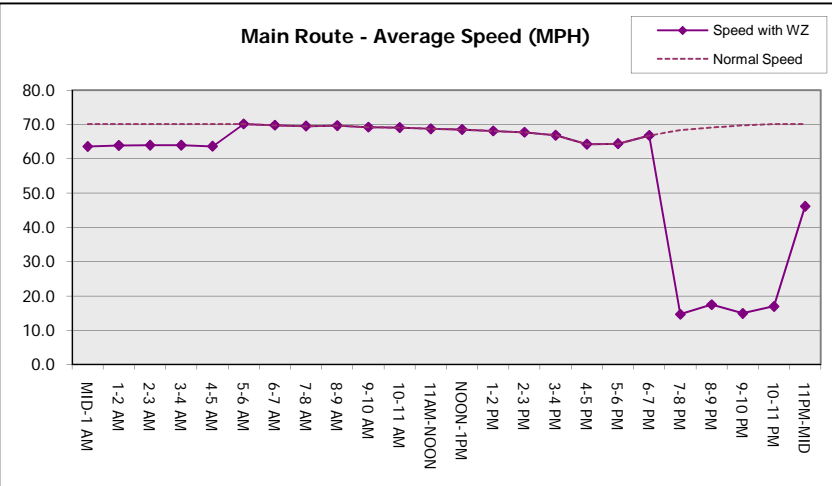
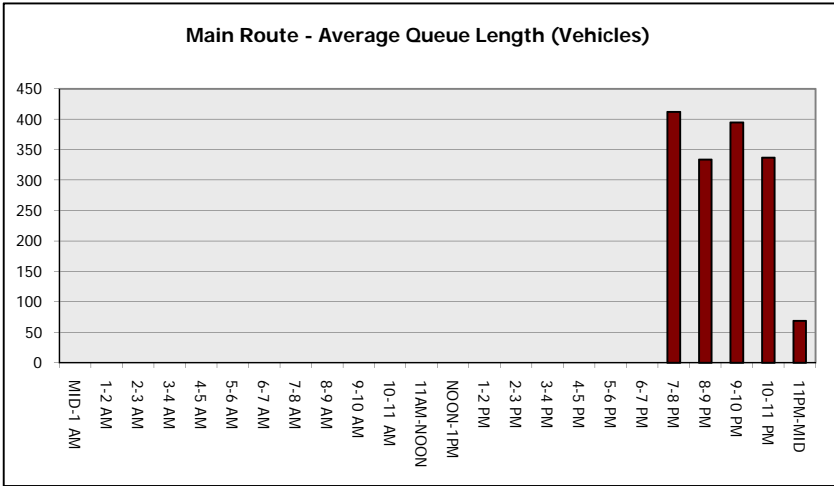
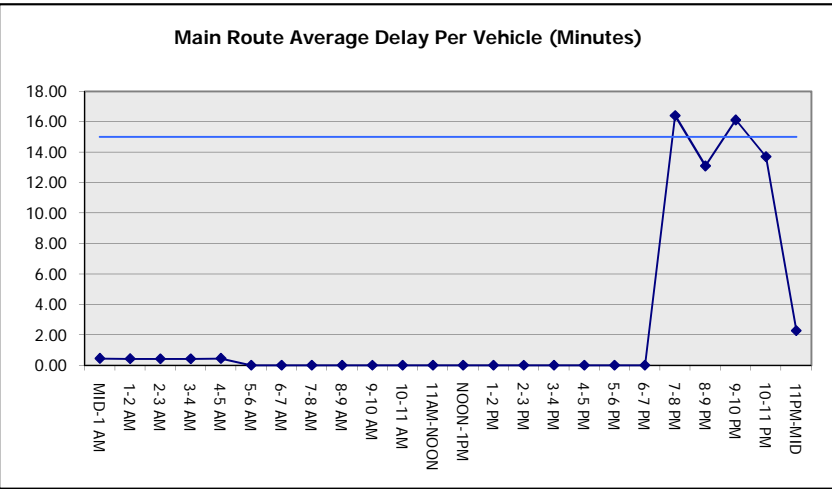
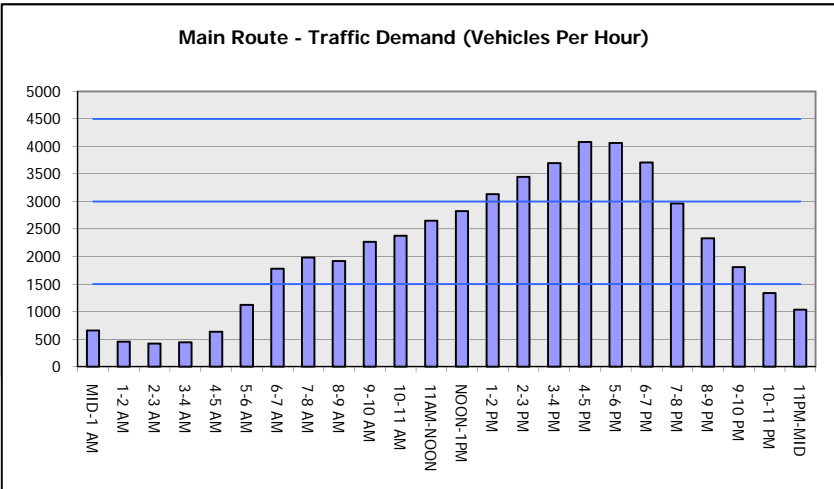
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0415
MAIN ROUTE WITH WORKS	0.0391
'DIVERSION'	0.0041
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,901
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	475	0.0	1500	475	0	0.43	0	70.2	63.9	47.0
1-2 AM	401	0.0	1500	401	0	0.42	0	70.2	64.0	47.4
2-3 AM	396	0.0	1500	396	0	0.42	0	70.2	64.0	47.4
3-4 AM	499	0.0	1500	499	0	0.43	0	70.2	63.8	46.9
4-5 AM	959	0.0	1499	959	0	0.52	0	70.2	62.7	43.9
5-6 AM	2242	0.0	OFF	2242	0	0.00	0	69.2	69.2	69.2
6-7 AM	2930	0.0	OFF	2930	0	0.00	0	68.4	68.4	68.4
7-8 AM	2714	0.0	OFF	2714	0	0.00	0	68.7	68.7	68.7
8-9 AM	2449	0.0	OFF	2449	0	0.00	0	69.0	69.0	69.0
9-10 AM	2465	0.0	OFF	2465	0	0.00	0	69.0	69.0	69.0
10-11 AM	2451	0.0	OFF	2451	0	0.00	0	69.0	69.0	69.0
11AM-NOON	2486	0.0	OFF	2486	0	0.00	0	68.9	68.9	68.9
NOON-1PM	2603	0.0	OFF	2603	0	0.00	0	68.8	68.8	68.8
1-2 PM	2805	0.0	OFF	2805	0	0.00	0	68.6	68.6	68.6
2-3 PM	2806	0.0	OFF	2806	0	0.00	0	68.6	68.6	68.6
3-4 PM	2709	0.0	OFF	2709	0	0.00	0	68.7	68.7	68.7
4-5 PM	2612	0.0	OFF	2612	0	0.00	0	68.8	68.8	68.8
5-6 PM	2544	0.0	OFF	2544	0	0.00	0	68.9	68.9	68.9
6-7 PM	2333	0.0	OFF	2333	0	0.00	0	69.1	69.1	69.1
7-8 PM	2008	0.0	1499	1915	93	9.85+	263	69.6	21.5	32.5
8-9 PM	1579	0.0	1500	1469	110	16.16+	396	70.0	14.9	32.5
9-10 PM	1359	0.0	1499	1359	0	13.29	324	70.2	17.3	32.5
10-11 PM	1224	0.0	1499	1224	0	4.55	124	70.2	34.3	36.0
11PM-MID	790	0.0	1500	790	0	0.47	0	70.2	63.4	45.6

"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	0.0372
MAIN ROUTE WITH WORKS	0.0364
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$16,756
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

