

IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA COUNTIES) CONTINUOUS (24 HOUR) 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	518	0.0	3000	518	0	0.36	0	70.2	67.6	49.7
1-2 AM	428	0.0	3000	428	0	0.36	0	70.2	67.6	49.7
2-3 AM	390	0.0	3000	390	0	0.36	0	70.2	67.6	49.7
3-4 AM	441	0.0	3000	441	0	0.36	0	70.2	67.6	49.7
4-5 AM	757	0.0	3000	757	0	0.36	0	70.2	67.6	49.7
5-6 AM	1434	0.0	3000	1434	0	0.36	0	70.2	67.6	49.7
6-7 AM	2015	0.0	3000	2015	0	0.35	0	69.6	67.0	49.7
7-8 AM	2237	0.0	3000	2237	0	0.35	0	69.2	66.8	49.7
8-9 AM	2194	0.0	3000	2194	0	0.35	0	69.3	66.8	49.7
9-10 AM	2345	0.0	3000	2345	0	0.35	0	69.1	66.7	49.7
10-11 AM	2391	0.0	3000	2391	0	0.36	0	69.1	66.5	48.9
11AM-NOON	2492	0.0	3000	2492	0	0.43	0	68.9	66.0	46.4
NOON-1PM	2606	0.0	3000	2606	0	0.51	0	68.8	65.3	43.8
1-2 PM	2748	0.0	3000	2748	0	0.60	0	68.6	64.6	41.0
2-3 PM	2885	0.0	3000	2885	0	0.69	0	68.4	63.8	38.7
3-4 PM	2881	0.0	3000	2881	0	0.69	0	68.4	63.9	38.8
4-5 PM	2945	0.0	2999	2945	0	0.73	0	68.4	63.5	37.7
5-6 PM	2994	0.0	2999	2994	0	0.94	10	68.3	62.2	37.2
6-7 PM	2526	0.0	3000	2526	0	0.45	0	68.9	65.8	45.6
7-8 PM	2060	0.0	3000	2060	0	0.35	0	69.5	67.0	49.7
8-9 PM	1540	0.0	3000	1540	0	0.36	0	70.1	67.5	49.7
9-10 PM	1313	0.0	3000	1313	0	0.36	0	70.2	67.6	49.7
10-11 PM	1256	0.0	3000	1256	0	0.36	0	70.2	67.6	49.7
11PM-MID	867	0.0	3000	867	0	0.36	0	70.2	67.6	49.7

----- 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	0.0768
MAIN ROUTE WITH WORKS	0.0739
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$4,880
CONGESTED HOURS PER DAY*	0

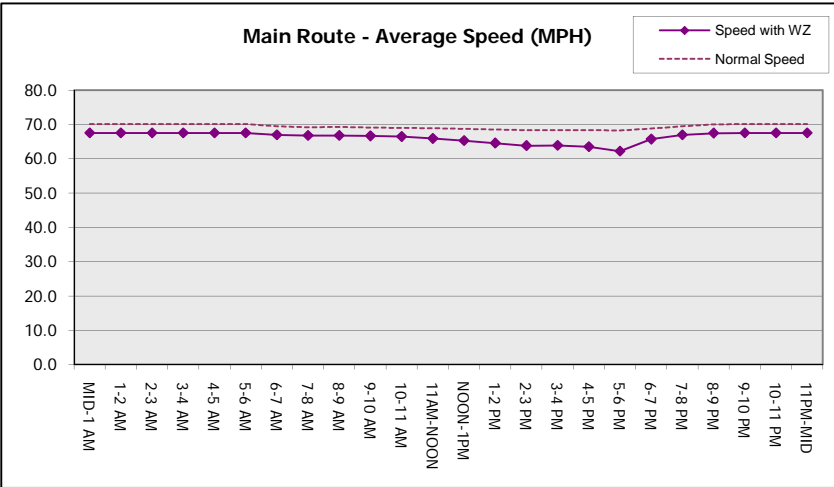
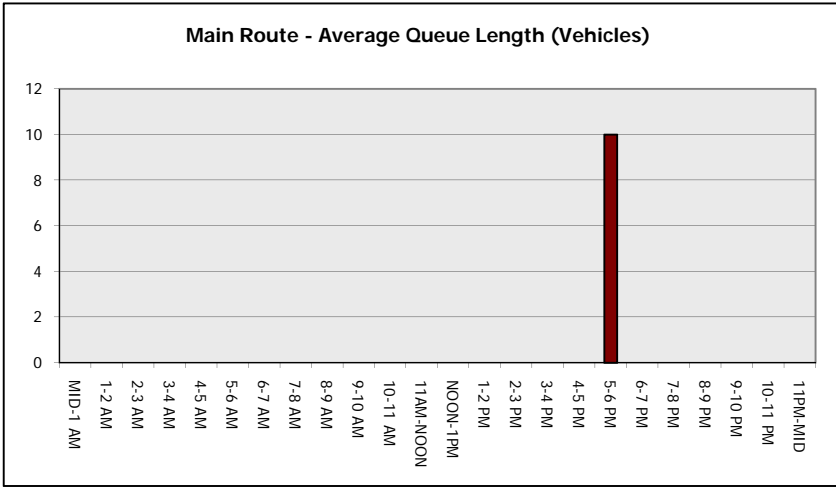
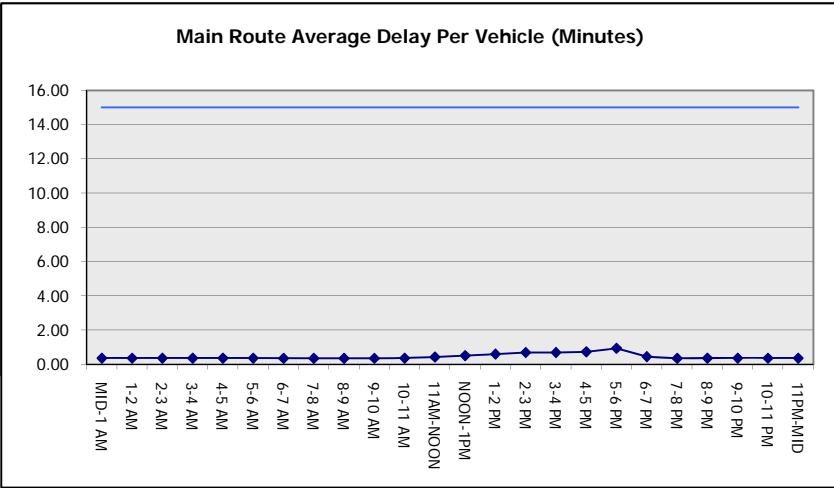
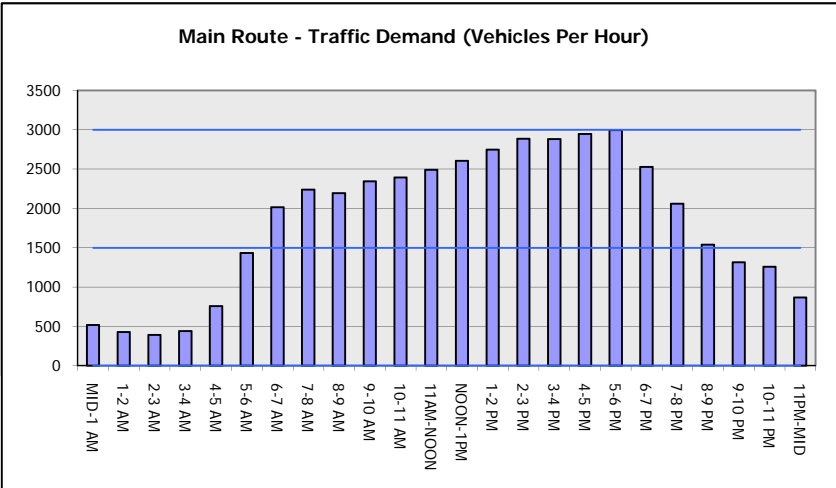
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	611	0.0	3000	611	0	0.36	0	70.2	67.6	49.7
1-2 AM	397	0.0	3000	397	0	0.36	0	70.2	67.6	49.7
2-3 AM	413	0.0	3000	413	0	0.36	0	70.2	67.6	49.7
3-4 AM	432	0.0	3000	432	0	0.36	0	70.2	67.6	49.7
4-5 AM	666	0.0	3000	666	0	0.36	0	70.2	67.6	49.7
5-6 AM	1300	0.0	3000	1300	0	0.36	0	70.2	67.6	49.7
6-7 AM	2155	0.0	3000	2155	0	0.35	0	69.4	66.9	49.7
7-8 AM	2294	0.0	3000	2294	0	0.35	0	69.2	66.8	49.7
8-9 AM	2023	0.0	3000	2023	0	0.35	0	69.6	67.0	49.7
9-10 AM	2265	0.0	3000	2265	0	0.35	0	69.2	66.8	49.7
10-11 AM	2344	0.0	3000	2344	0	0.35	0	69.1	66.7	49.7
11AM-NOON	2500	0.0	3000	2500	0	0.44	0	68.9	65.9	46.2
NOON-1PM	2641	0.0	3000	2641	0	0.53	0	68.7	65.1	43.1
1-2 PM	2907	0.0	2999	2907	0	0.70	0	68.4	63.7	38.3
2-3 PM	3144	0.0	2999	3144	0	1.80	60	68.1	57.3	36.9
3-4 PM	3282	0.0	3000	3282	0	5.65	276	67.9	42.8	36.9
4-5 PM	3387	0.0	3000	3387	0	11.78+	617	67.8	30.5	36.9
5-6 PM	3303	0.0	2999	3000	303	15.26+	799	67.9	26.3	36.9
6-7 PM	3066	0.0	3000	2969	97	15.23+	796	68.2	26.3	36.9
7-8 PM	2535	0.0	2999	2535	0	11.03+	579	68.9	31.9	37.3
8-9 PM	2102	0.0	3000	2102	0	1.33	63	69.4	60.9	48.6
9-10 PM	1629	0.0	3000	1629	0	0.36	0	70.0	67.4	49.7
10-11 PM	1259	0.0	3000	1259	0	0.36	0	70.2	67.6	49.7
11PM-MID	891	0.0	3000	891	0	0.36	0	70.2	67.6	49.7

+ 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	0.0825
MAIN ROUTE WITH WORKS	0.0787
'DIVERSION'	0.0016

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,040
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

