

**IH 94: STH 20 TO STH 50 (RACINE AND KENOSHA COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

OCTOBER

Analyzed for 2009
Construction Season

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	574	0.0	3000	574	0	0.36	0	70.2	67.6	49.7
1-2 AM	420	0.0	3000	420	0	0.36	0	70.2	67.6	49.7
2-3 AM	349	0.0	3000	349	0	0.36	0	70.2	67.6	49.7
3-4 AM	362	0.0	3000	362	0	0.36	0	70.2	67.6	49.7
4-5 AM	395	0.0	3000	395	0	0.36	0	70.2	67.6	49.7
5-6 AM	584	0.0	3000	584	0	0.36	0	70.2	67.6	49.7
6-7 AM	906	0.0	3000	906	0	0.36	0	70.2	67.6	49.7
7-8 AM	1265	0.0	3000	1265	0	0.36	0	70.2	67.6	49.7
8-9 AM	1746	0.0	3000	1746	0	0.36	0	69.9	67.3	49.7
9-10 AM	2442	0.0	3000	2442	0	0.40	0	69.0	66.2	47.6
10-11 AM	2749	0.0	3000	2749	0	0.60	0	68.6	64.6	41.0
11AM-NOON	2866	0.0	3000	2866	0	0.67	0	68.5	64.0	39.0
NOON-1PM	2976	0.0	3000	2976	0	0.75	0	68.3	63.4	37.3
1-2 PM	2782	0.0	3000	2782	0	0.62	0	68.6	64.4	40.4
2-3 PM	2849	0.0	3000	2849	0	0.66	0	68.5	64.0	39.2
3-4 PM	2858	0.0	3000	2858	0	0.67	0	68.5	64.0	39.1
4-5 PM	2764	0.0	3000	2764	0	0.61	0	68.6	64.5	40.7
5-6 PM	2650	0.0	3000	2650	0	0.53	0	68.7	65.1	43.0
6-7 PM	2137	0.0	3000	2137	0	0.35	0	69.4	66.9	49.7
7-8 PM	1679	0.0	3000	1679	0	0.36	0	69.9	67.4	49.7
8-9 PM	1352	0.0	3000	1352	0	0.36	0	70.2	67.6	49.7
9-10 PM	1206	0.0	3000	1206	0	0.36	0	70.2	67.6	49.7
10-11 PM	1059	0.0	3000	1059	0	0.36	0	70.2	67.6	49.7
11PM-MID	839	0.0	3000	839	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	0.0690
MAIN ROUTE WITH WORKS	0.0664
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$5,197
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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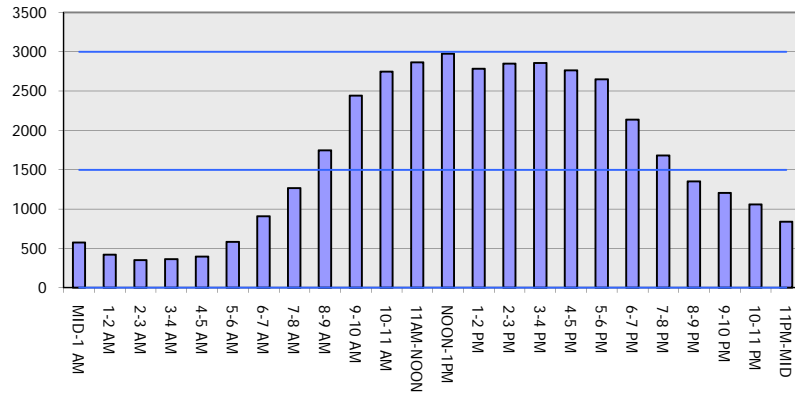
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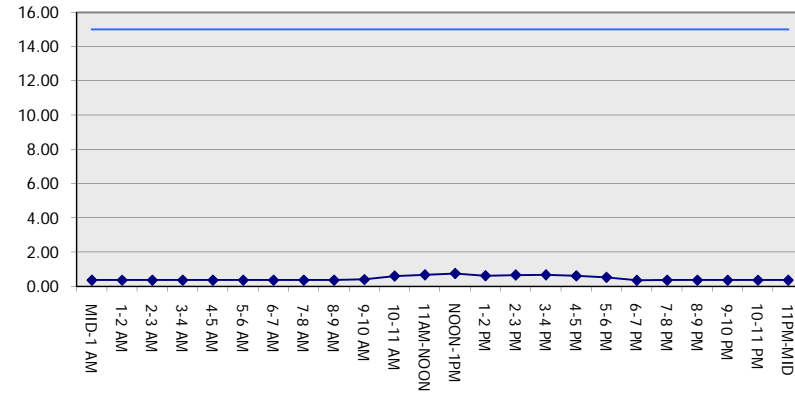
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION

Main Route - Traffic Demand (Vehicles Per Hour)



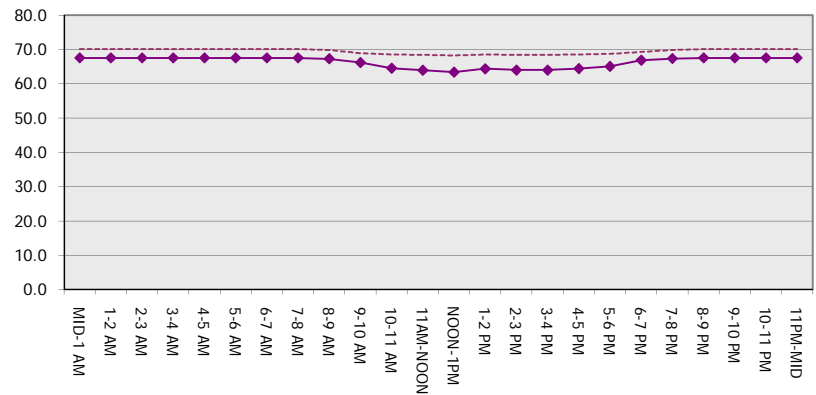
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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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	646	0.0	3000	646	0	0.36	0	70.2	67.6	49.7
1-2 AM	437	0.0	3000	437	0	0.36	0	70.2	67.6	49.7
2-3 AM	356	0.0	3000	356	0	0.36	0	70.2	67.6	49.7
3-4 AM	334	0.0	3000	334	0	0.36	0	70.2	67.6	49.7
4-5 AM	408	0.0	3000	408	0	0.36	0	70.2	67.6	49.7
5-6 AM	681	0.0	3000	681	0	0.36	0	70.2	67.6	49.7
6-7 AM	1009	0.0	3000	1009	0	0.36	0	70.2	67.6	49.7
7-8 AM	1377	0.0	3000	1377	0	0.36	0	70.2	67.6	49.7
8-9 AM	1777	0.0	3000	1777	0	0.35	0	69.8	67.3	49.7
9-10 AM	2183	0.0	3000	2183	0	0.35	0	69.3	66.9	49.7
10-11 AM	2537	0.0	3000	2537	0	0.46	0	68.9	65.7	45.3
11AM-NOON	2748	0.0	3000	2748	0	0.60	0	68.6	64.6	41.0
NOON-1PM	2660	0.0	3000	2660	0	0.54	0	68.7	65.0	42.7
1-2 PM	2601	0.0	3000	2601	0	0.50	0	68.8	65.3	44.0
2-3 PM	2763	0.0	3000	2763	0	0.61	0	68.6	64.5	40.8
3-4 PM	2692	0.0	3000	2692	0	0.56	0	68.7	64.9	42.1
4-5 PM	2727	0.0	3000	2727	0	0.58	0	68.6	64.7	41.4
5-6 PM	2622	0.0	3000	2622	0	0.52	0	68.8	65.3	43.5
6-7 PM	2260	0.0	3000	2260	0	0.35	0	69.2	66.8	49.7
7-8 PM	1866	0.0	3000	1866	0	0.35	0	69.7	67.2	49.7
8-9 PM	1746	0.0	3000	1746	0	0.36	0	69.9	67.3	49.7
9-10 PM	1555	0.0	3000	1555	0	0.36	0	70.1	67.5	49.7
10-11 PM	1501	0.0	3000	1501	0	0.36	0	70.2	67.6	49.7
11PM-MID	1158	0.0	3000	1158	0	0.36	0	70.2	67.6	49.7

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0705
MAIN ROUTE WITH WORKS	0.0678
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$4,654
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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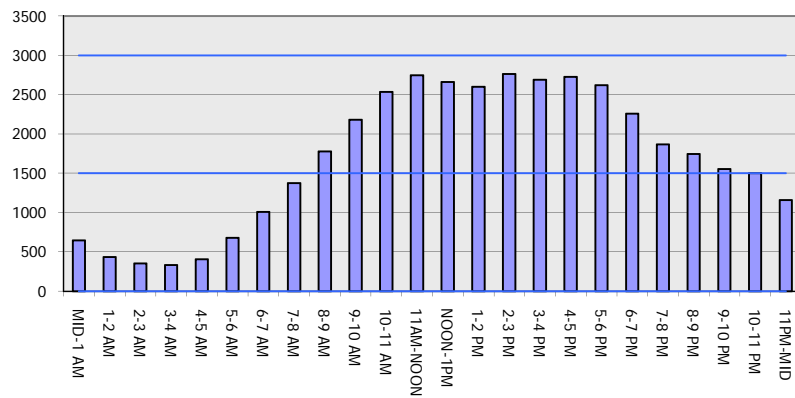
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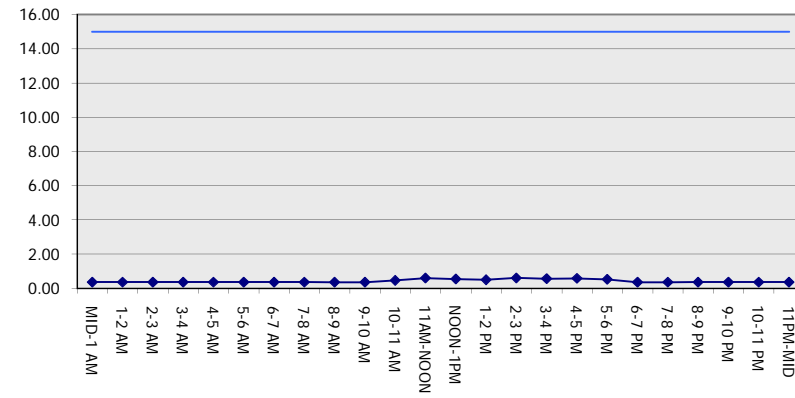
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

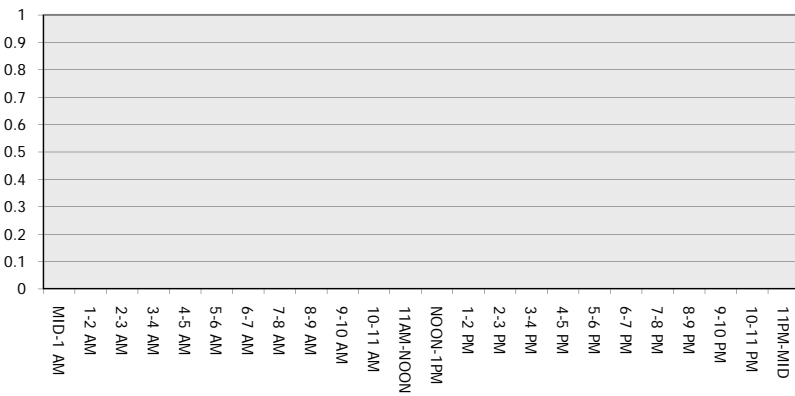
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

