

IH 94: STH 50 TO STATE LINE (KENOSHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	721	0.0	3000	721	0	0.36	0	70.2	64.8	49.7
1-2 AM	501	0.0	3000	501	0	0.36	0	70.2	64.8	49.7
2-3 AM	355	0.0	3000	355	0	0.36	0	70.2	64.8	49.7
3-4 AM	239	0.0	3000	239	0	0.36	0	70.2	64.8	49.7
4-5 AM	239	0.0	3000	239	0	0.36	0	70.2	64.8	49.7
5-6 AM	389	0.0	3000	389	0	0.36	0	70.2	64.8	49.7
6-7 AM	590	0.0	3000	590	0	0.36	0	70.2	64.8	49.7
7-8 AM	907	0.0	3000	907	0	0.36	0	70.2	64.8	49.7
8-9 AM	1395	0.0	3000	1395	0	0.36	0	70.2	64.8	49.7
9-10 AM	1968	0.0	3000	1968	0	0.35	0	69.6	64.5	49.7
10-11 AM	2557	0.0	3000	2557	0	0.47	0	68.9	62.2	44.9
11AM-NOON	2928	0.0	2999	2928	0	0.71	0	68.4	59.0	38.0
NOON-1PM	3062	0.0	2999	3062	0	1.31	31	68.2	52.8	36.9
1-2 PM	2935	0.0	2999	2935	0	1.35	33	68.4	52.6	37.2
2-3 PM	2939	0.0	3000	2939	0	0.72	0	68.4	58.9	37.8
3-4 PM	2917	0.0	3000	2917	0	0.71	0	68.4	59.1	38.1
4-5 PM	2967	0.0	3000	2967	0	0.74	0	68.4	58.6	37.4
5-6 PM	2884	0.0	3000	2884	0	0.69	0	68.4	59.3	38.7
6-7 PM	2698	0.0	3000	2698	0	0.57	0	68.7	60.9	42.0
7-8 PM	2397	0.0	3000	2397	0	0.37	0	69.1	63.8	48.7
8-9 PM	1923	0.0	3000	1923	0	0.35	0	69.7	64.5	49.7
9-10 PM	1574	0.0	3000	1574	0	0.36	0	70.1	64.8	49.7
10-11 PM	1113	0.0	3000	1113	0	0.36	0	70.2	64.8	49.7
11PM-MID	817	0.0	3000	817	0	0.36	0	70.2	64.8	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	0.0333
MAIN ROUTE WITH WORKS	0.0306
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$7,452
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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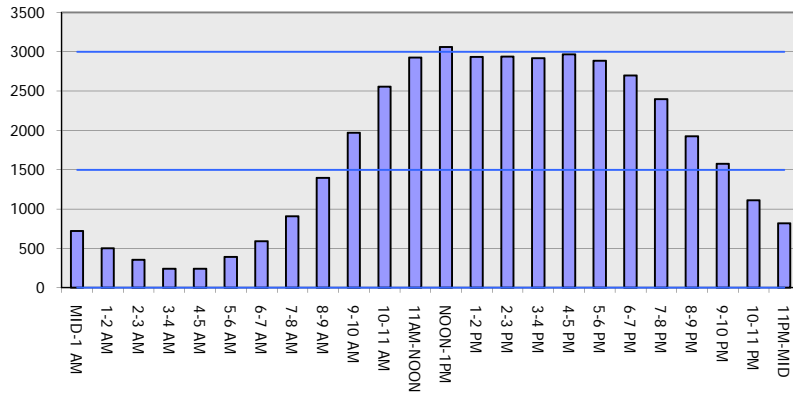
OCTOBER

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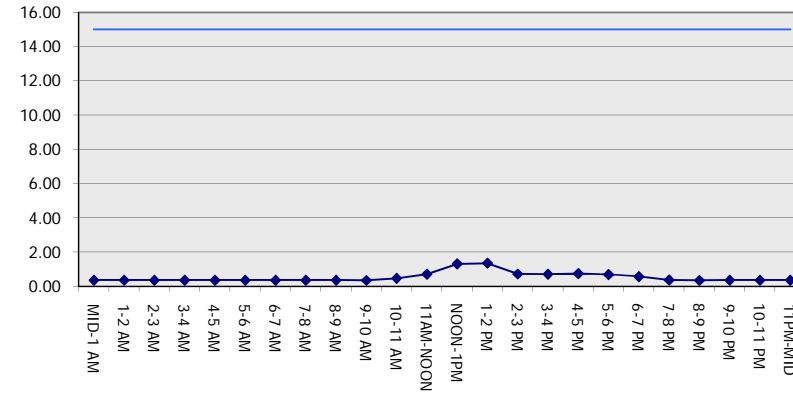
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION

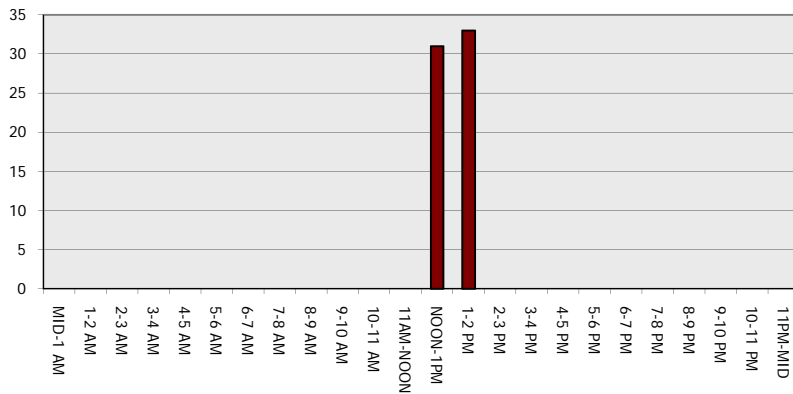
Main Route - Traffic Demand (Vehicles Per Hour)



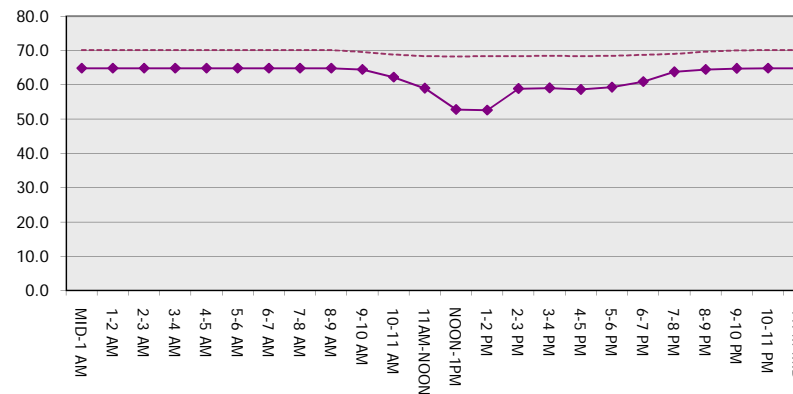
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

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	551	0.0	3000	551	0	0.36	0	70.2	64.8	49.7
1-2 AM	387	0.0	3000	387	0	0.36	0	70.2	64.8	49.7
2-3 AM	303	0.0	3000	303	0	0.36	0	70.2	64.8	49.7
3-4 AM	264	0.0	3000	264	0	0.36	0	70.2	64.8	49.7
4-5 AM	281	0.0	3000	281	0	0.36	0	70.2	64.8	49.7
5-6 AM	395	0.0	3000	395	0	0.36	0	70.2	64.8	49.7
6-7 AM	581	0.0	3000	581	0	0.36	0	70.2	64.8	49.7
7-8 AM	792	0.0	3000	792	0	0.36	0	70.2	64.8	49.7
8-9 AM	1285	0.0	3000	1285	0	0.36	0	70.2	64.8	49.7
9-10 AM	2051	0.0	3000	2051	0	0.35	0	69.5	64.3	49.7
10-11 AM	2818	0.0	2999	2818	0	0.64	0	68.6	59.9	39.9
11AM-NOON	3188	0.0	2999	3188	0	2.01	75	68.1	47.1	36.9
NOON-1PM	3417	0.0	3000	3417	0	7.42	386	67.8	25.6	36.9
1-2 PM	3508	0.0	3000	3247	261	14.56+	763	67.7	16.0	36.9
2-3 PM	3531	0.0	3000	3000	531	15.26+	800	67.6	15.5	36.9
3-4 PM	3536	0.0	3000	3000	536	15.26+	800	67.6	15.5	36.9
4-5 PM	3477	0.0	3000	2992	486	15.25+	799	67.7	15.5	36.9
5-6 PM	3221	0.0	2999	2964	257	15.22+	795	68.1	15.5	36.9
6-7 PM	2797	0.0	2999	2797	0	13.99+	730	68.6	16.6	36.9
7-8 PM	2414	0.0	2999	2414	0	5.98	341	69.1	29.4	40.5
8-9 PM	1811	0.0	3000	1811	0	0.36	0	69.8	64.5	49.7
9-10 PM	1254	0.0	3000	1254	0	0.36	0	70.2	64.8	49.7
10-11 PM	857	0.0	3000	857	0	0.36	0	70.2	64.8	49.7
11PM-MID	600	0.0	3000	600	0	0.36	0	70.2	64.8	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	0.0352
MAIN ROUTE WITH WORKS	0.0308
'DIVERSION'	0.0039

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$98,680
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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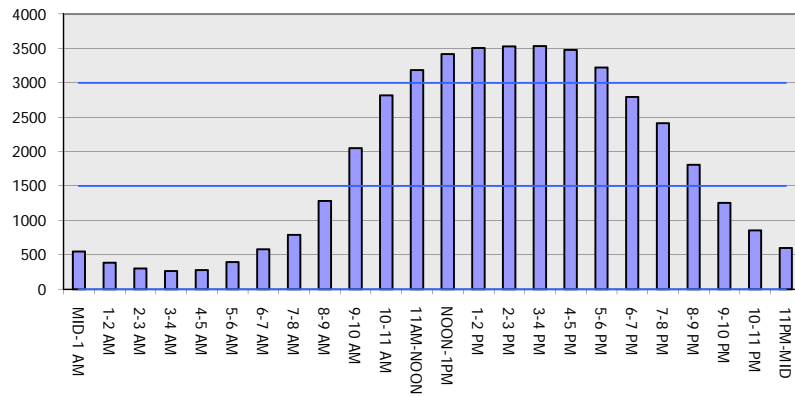
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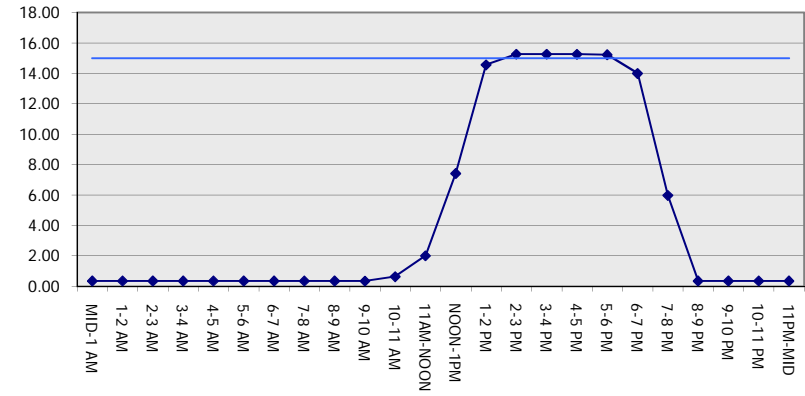
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

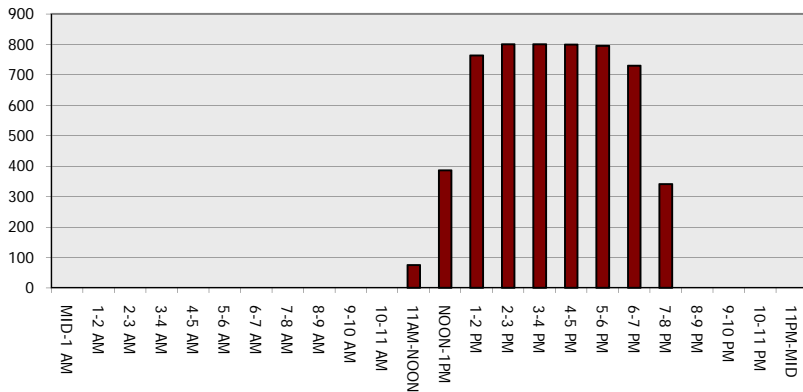
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

