

<b>IH 94: STH 50 TO STATE LINE (KENOSHA COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	732	0.0	3000	732	0	0.36	0	70.2	64.8	49.7
1-2 AM	461	0.0	3000	461	0	0.36	0	70.2	64.8	49.7
2-3 AM	306	0.0	3000	306	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	270	0.0	3000	270	0	0.36	0	70.2	64.8	49.7
5-6 AM	349	0.0	3000	349	0	0.36	0	70.2	64.8	49.7
6-7 AM	529	0.0	3000	529	0	0.36	0	70.2	64.8	49.7
7-8 AM	894	0.0	3000	894	0	0.36	0	70.2	64.8	49.7
8-9 AM	1438	0.0	3000	1438	0	0.36	0	70.2	64.8	49.7
9-10 AM	2189	0.0	3000	2189	0	0.35	0	69.3	64.3	49.7
10-11 AM	2826	0.0	2999	2826	0	0.65	0	68.5	59.9	39.8
11AM-NOON	3391	0.0	2999	3391	0	3.62	179	67.8	37.6	36.9
NOON-1PM	3337	0.0	2999	3337	0	10.82	564	67.9	19.9	36.9
1-2 PM	3224	0.0	2999	3082	142	15.10+	790	68.1	15.6	36.9
2-3 PM	3116	0.0	3000	3000	116	15.30+	800	68.2	15.5	36.9
3-4 PM	3080	0.0	2999	2992	88	15.28+	799	68.2	15.5	36.9
4-5 PM	3302	0.0	3000	3000	302	15.28+	800	67.9	15.5	36.9
5-6 PM	2983	0.0	3000	2974	10	15.21+	794	68.3	15.5	36.9
6-7 PM	3031	0.0	3000	3020	11	15.20+	794	68.2	15.5	36.9
7-8 PM	2772	0.0	2999	2772	0	13.58+	708	68.6	17.0	36.9
8-9 PM	2199	0.0	2999	2199	0	3.28	231	69.3	39.8	44.6
9-10 PM	1660	0.0	3000	1660	0	0.36	0	70.0	64.7	49.7
10-11 PM	1269	0.0	3000	1269	0	0.36	0	70.2	64.8	49.7
11PM-MID	923	0.0	3000	923	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	0.0361
MAIN ROUTE WITH WORKS	0.0327
'DIVERSION'	0.0013
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$108,139
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE  
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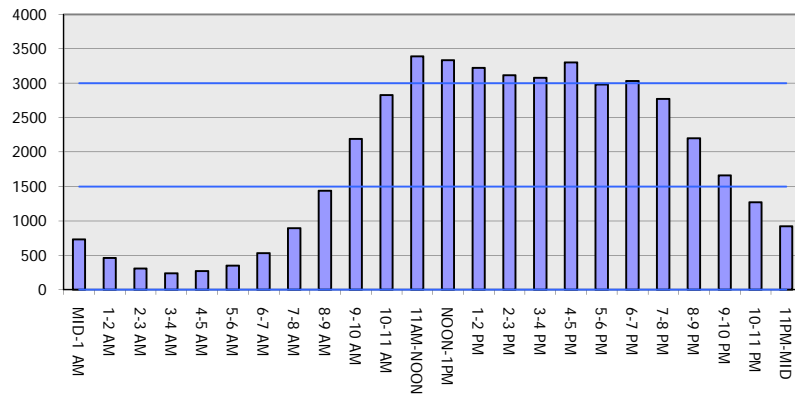
**AUGUST**

Analyzed for 2009  
Construction Season

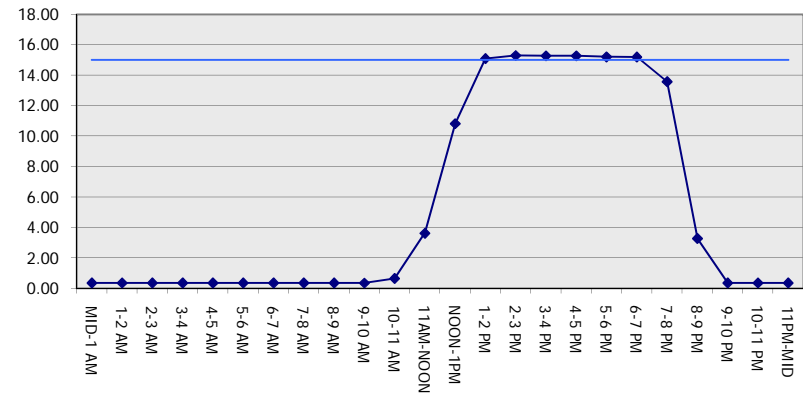
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY WESTBOUND DIRECTION**

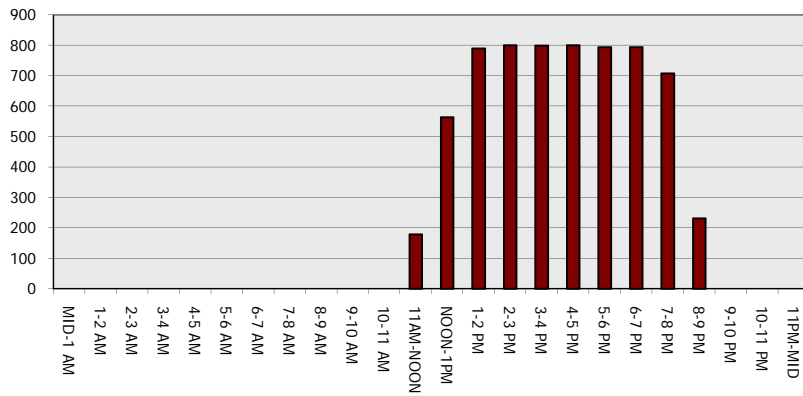
**Main Route - Traffic Demand (Vehicles Per Hour)**



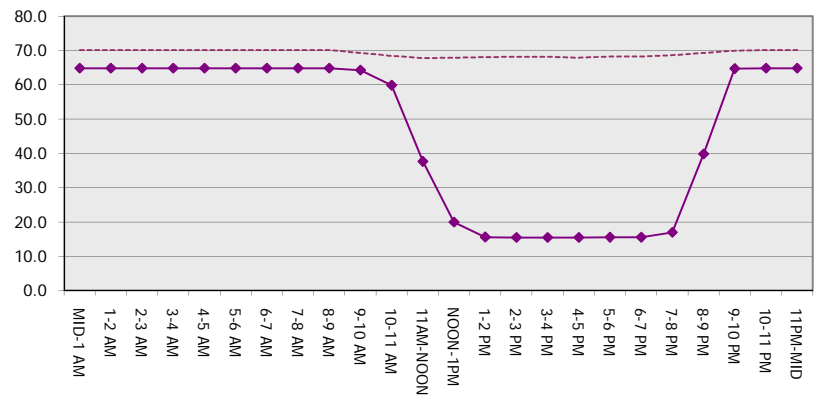
**Main Route Average Delay Per Vehicle (Minutes)**



**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	810	0.0	3000	810	0	0.36	0	70.2	64.8	49.7
1-2 AM	566	0.0	3000	566	0	0.36	0	70.2	64.8	49.7
2-3 AM	384	0.0	3000	384	0	0.36	0	70.2	64.8	49.7
3-4 AM	303	0.0	3000	303	0	0.36	0	70.2	64.8	49.7
4-5 AM	318	0.0	3000	318	0	0.36	0	70.2	64.8	49.7
5-6 AM	436	0.0	3000	436	0	0.36	0	70.2	64.8	49.7
6-7 AM	663	0.0	3000	663	0	0.36	0	70.2	64.8	49.7
7-8 AM	969	0.0	3000	969	0	0.36	0	70.2	64.8	49.7
8-9 AM	1469	0.0	3000	1469	0	0.36	0	70.2	64.8	49.7
9-10 AM	2454	0.0	2999	2454	0	0.45	0	69.0	62.6	45.9
10-11 AM	3363	0.0	2999	3363	0	2.79	132	67.9	41.9	36.9
11AM-NOON	4010	0.0	3000	3448	561	12.80+	693	64.8	17.5	36.9
NOON-1PM	4268	0.0	3000	3000	1268	14.93+	800	63.0	15.5	36.9
1-2 PM	4442	0.0	3000	3000	1442	14.84+	800	61.8	15.5	36.9
2-3 PM	4409	0.0	3000	3000	1409	14.86+	800	62.0	15.5	36.9
3-4 PM	4465	0.0	3000	3000	1465	14.83+	800	61.7	15.5	36.9
4-5 PM	4240	0.0	3000	3000	1240	14.95+	800	63.2	15.5	36.9
5-6 PM	4049	0.0	3000	3000	1049	15.04+	800	64.5	15.5	36.9
6-7 PM	3548	0.0	3000	3000	548	15.26+	800	67.6	15.5	36.9
7-8 PM	3079	0.0	3000	2968	111	15.23+	796	68.2	15.5	36.9
8-9 PM	2608	0.0	2999	2608	0	11.77+	618	68.8	18.9	36.9
9-10 PM	1963	0.0	3000	1963	0	1.41	86	69.6	52.7	48.8
10-11 PM	1253	0.0	3000	1253	0	0.36	0	70.2	64.8	49.7
11PM-MID	814	0.0	3000	814	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	0.0446
MAIN ROUTE WITH WORKS	0.0342
'DIVERSION'	0.0171

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$164,518
CONGESTED HOURS PER DAY*	10

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

