

IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	661	0.0	1500	661	0	0.55	0	69.9	60.1	42.9	
1-2 AM	320	0.0	1500	320	0	0.51	0	70.2	60.9	44.2	
2-3 AM	207	0.0	1500	207	0	0.50	0	70.2	61.0	44.6	
3-4 AM	140	0.0	1500	140	0	0.49	0	70.2	61.2	44.9	
4-5 AM	130	0.0	1500	130	0	0.49	0	70.2	61.2	45.0	
5-6 AM	241	0.0	1500	241	0	0.50	0	70.2	61.0	44.5	
6-7 AM	538	0.0	1500	538	0	0.54	0	70.0	60.4	43.3	
7-8 AM	920	0.0	1499	920	0	0.58	0	69.6	59.4	42.0	
8-9 AM	1493	0.0	1499	1493	0	1.49	14	68.9	47.9	32.3	
9-10 AM	1924	0.0	OFF	1924	0	0.01	0	68.4	68.2	68.2	
10-11 AM	2526	0.0	OFF	2526	0	0.00	0	67.6	67.6	67.6	
11AM-NOON	2892	0.0	OFF	2892	0	0.00	0	67.1	67.1	67.1	
NOON-1PM	2961	0.0	OFF	2961	0	0.00	0	67.1	67.1	67.1	
1-2 PM	2764	0.0	OFF	2764	0	0.00	0	67.3	67.3	67.3	
2-3 PM	2995	0.0	OFF	2995	0	0.00	0	67.0	67.0	67.0	
3-4 PM	2837	0.0	OFF	2837	0	0.00	0	67.2	67.2	67.2	
4-5 PM	2716	0.0	OFF	2716	0	0.00	0	67.4	67.4	67.4	
5-6 PM	2308	0.0	OFF	2308	0	0.00	0	67.9	67.9	67.9	
6-7 PM	1927	0.0	OFF	1927	0	0.00	0	68.3	68.3	68.3	
7-8 PM	1714	0.0	1499	1714	0	5.44	125	68.6	26.5	30.8	
8-9 PM	1328	0.0	1499	1328	0	6.22	145	69.1	24.3	31.9	
9-10 PM	1160	0.0	1500	1160	0	0.78	3	69.3	56.3	39.2	
10-11 PM	754	0.0	1500	754	0	0.56	0	69.8	59.8	42.5	
11PM-MID	490	0.0	1500	490	0	0.53	0	70.1	60.5	43.5	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0223
MAIN ROUTE WITH WORKS	0.0217
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,054
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

**IH 94: CTH G TO STH 16 (WAUKESHA COUNTY)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

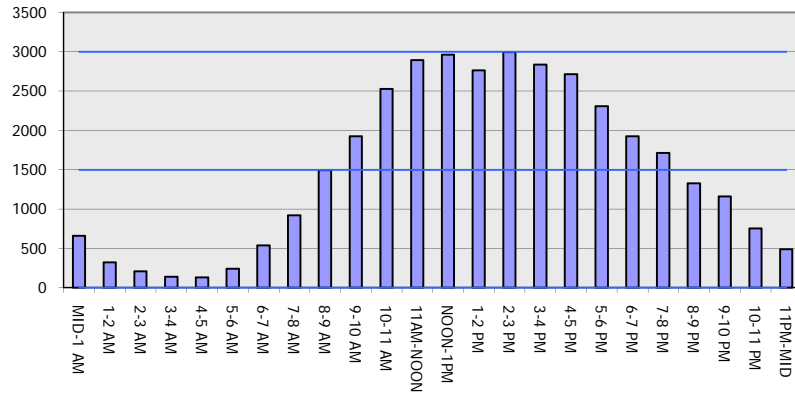
AUGUST

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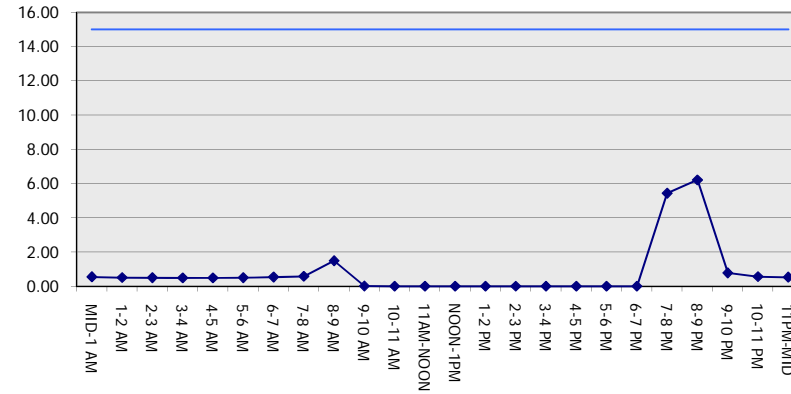
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION

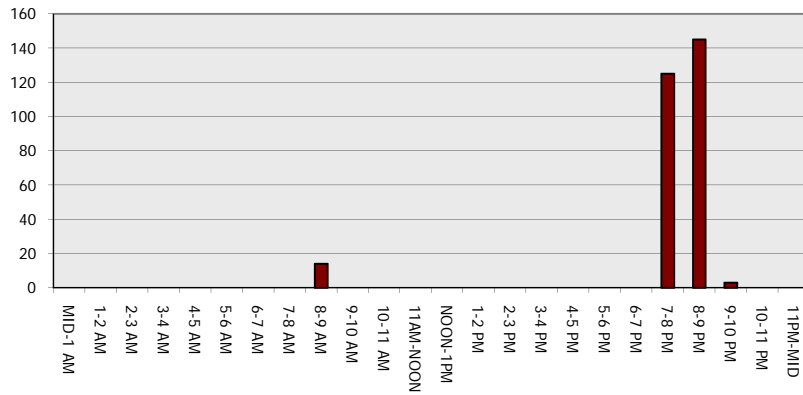
Main Route - Traffic Demand (Vehicles Per Hour)



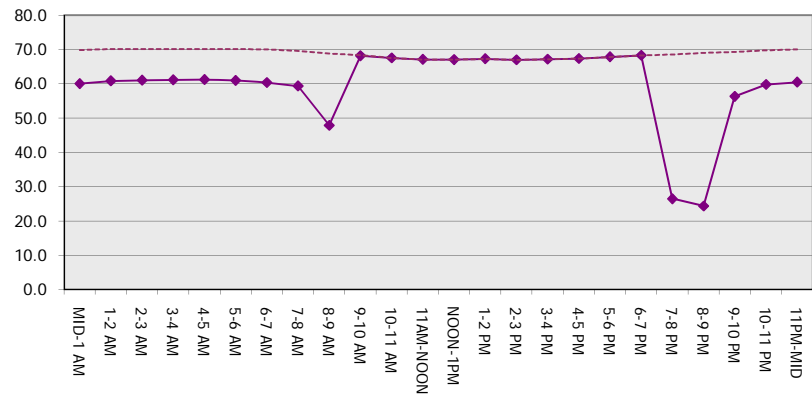
Main Route Average Delay Per Vehicle (Minutes)



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	818	0.0	1500	818	0	0.57	0	69.7	59.6	42.4
1-2 AM	519	0.0	1500	519	0	0.54	0	70.1	60.4	43.4
2-3 AM	300	0.0	1500	300	0	0.51	0	70.2	60.9	44.3
3-4 AM	195	0.0	1500	195	0	0.50	0	70.2	61.1	44.7
4-5 AM	240	0.0	1500	240	0	0.50	0	70.2	61.0	44.5
5-6 AM	238	0.0	1500	238	0	0.50	0	70.2	61.0	44.5
6-7 AM	376	0.0	1500	376	0	0.52	0	70.2	60.7	44.0
7-8 AM	558	0.0	1500	558	0	0.54	0	70.0	60.3	43.3
8-9 AM	1008	0.0	1499	1008	0	0.60	0	69.5	58.9	41.3
9-10 AM	1622	0.0	OFF	1622	0	0.00	0	68.7	68.7	68.7
10-11 AM	2367	0.0	OFF	2367	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2961	0.0	OFF	2961	0	0.00	0	67.1	67.1	67.1
NOON-1PM	3285	0.0	OFF	3285	0	0.00	0	66.6	66.6	66.6
1-2 PM	3378	0.0	OFF	3378	0	0.00	0	66.5	66.5	66.5
2-3 PM	3288	0.0	OFF	3288	0	0.00	0	66.6	66.6	66.6
3-4 PM	3387	0.0	OFF	3387	0	0.00	0	66.5	66.5	66.5
4-5 PM	3465	0.0	OFF	3465	0	0.00	0	66.4	66.4	66.4
5-6 PM	3354	0.0	OFF	3354	0	0.00	0	66.6	66.6	66.6
6-7 PM	2930	0.0	OFF	2930	0	0.00	0	67.1	67.1	67.1
7-8 PM	2893	0.0	1499	1619	1274	14.63+	371	67.1	12.9	36.1
8-9 PM	2660	0.0	1499	1721	939	14.41+	368	67.4	13.1	34.3
9-10 PM	1750	0.0	1499	1551	199	15.80+	385	68.6	12.2	30.8
10-11 PM	1159	0.0	1499	1159	0	9.58	257	69.3	18.1	33.9
11PM-MID	579	0.0	1500	579	0	0.59	1	70.0	59.6	43.2

"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	0.0269
MAIN ROUTE WITH WORKS	0.0247
'DIVERSION'	0.0035

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$31,964
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

