

<b>IH 94: CTH O TO STH 100 (WAUKESHA COUNTY)                  NIGHTTIME 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	578	0.0	1500	578	0	1.07	29	70.0	49.9	43.0	
1-2 AM	349	0.0	1500	349	0	0.52	0	70.2	58.7	44.1	
2-3 AM	306	0.0	1500	306	0	0.51	0	70.2	58.9	44.3	
3-4 AM	398	0.0	1500	398	0	0.52	0	70.2	58.6	43.9	
4-5 AM	817	0.0	1500	817	0	0.57	0	69.7	57.5	42.4	
5-6 AM	2116	0.0	OFF	2116	0	0.00	0	68.1	68.1	68.1	
6-7 AM	4085	0.0	OFF	4085	0	0.00	0	63.0	63.0	63.0	
7-8 AM	4958	0.0	OFF	4958	0	0.00	0	57.0	57.0	57.0	
8-9 AM	4763	0.0	OFF	4763	0	0.00	0	58.3	58.3	58.3	
9-10 AM	3678	0.0	OFF	3678	0	0.00	0	65.7	65.7	65.7	
10-11 AM	3424	0.0	OFF	3424	0	0.00	0	66.5	66.5	66.5	
11AM-NOON	3857	0.0	OFF	3857	0	0.00	0	64.5	64.5	64.5	
NOON-1PM	4027	0.0	OFF	4027	0	0.00	0	63.3	63.3	63.3	
1-2 PM	4171	0.0	OFF	4171	0	0.00	0	62.3	62.3	62.3	
2-3 PM	4487	0.0	OFF	4487	0	0.00	0	60.2	60.2	60.2	
3-4 PM	4811	0.0	OFF	4811	0	0.00	0	58.0	58.0	58.0	
4-5 PM	5032	0.0	OFF	5032	0	0.00	0	56.4	56.4	56.4	
5-6 PM	4939	0.0	OFF	4939	0	0.00	0	57.1	57.1	57.1	
6-7 PM	4597	0.0	OFF	4597	0	0.00	0	59.4	59.4	59.4	
7-8 PM	3304	0.0	1499	1550	1754	16.48+	412	66.6	9.6	36.6	
8-9 PM	2705	0.0	1499	1576	1129	14.31+	380	67.4	10.9	36.1	
9-10 PM	2333	0.0	1499	1672	662	14.08+	361	67.8	11.1	34.6	
10-11 PM	2034	0.0	1499	1574	460	16.05+	392	68.2	9.9	30.8	
11PM-MID	1344	0.0	1500	1344	0	13.81	339	69.1	11.2	31.0	

"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	0.0361
MAIN ROUTE WITH WORKS	0.0334
'DIVERSION'	0.0046
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,783
CONGESTED HOURS PER DAY*	4

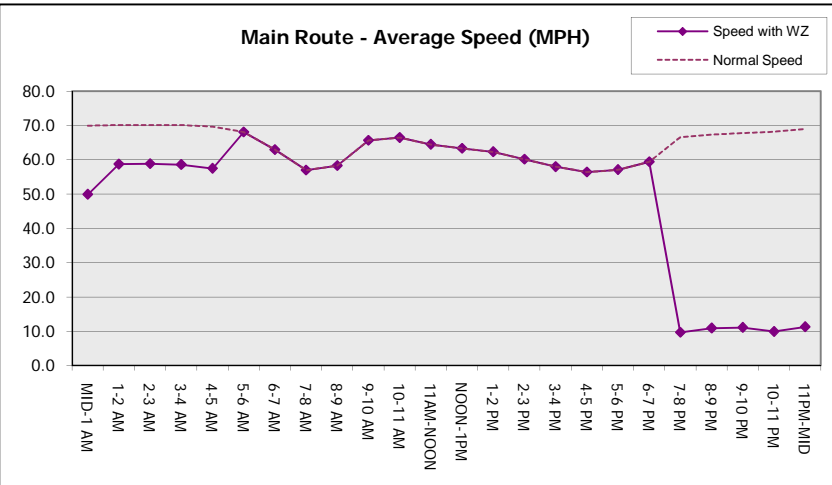
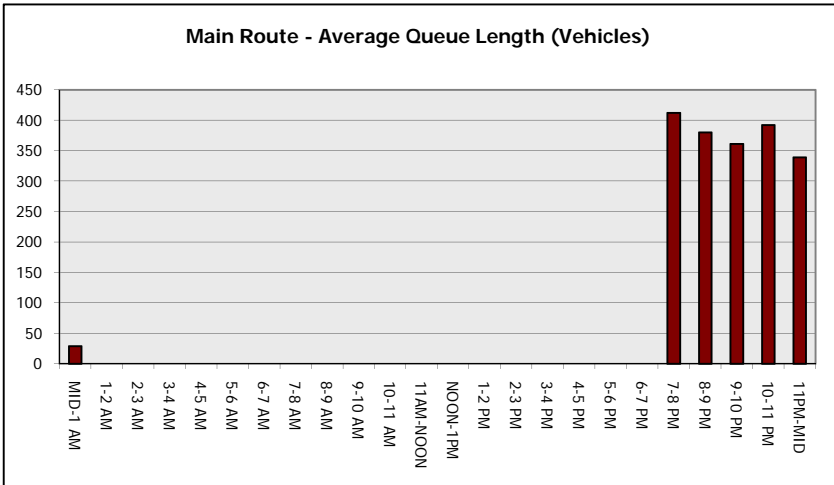
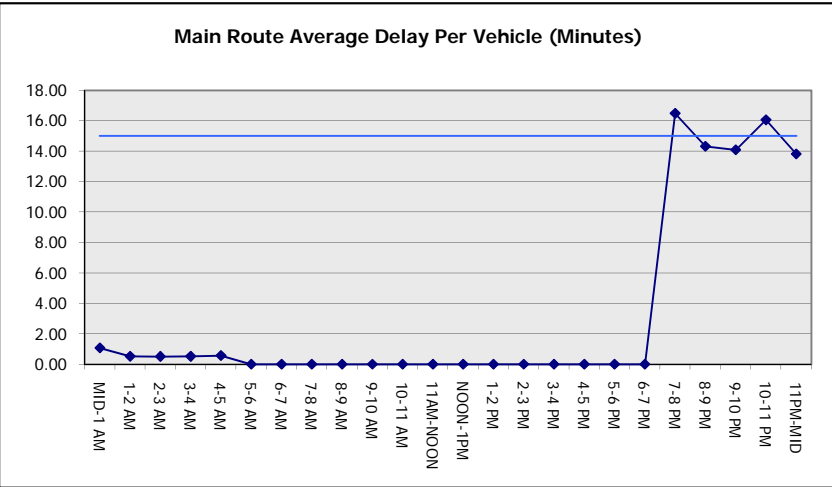
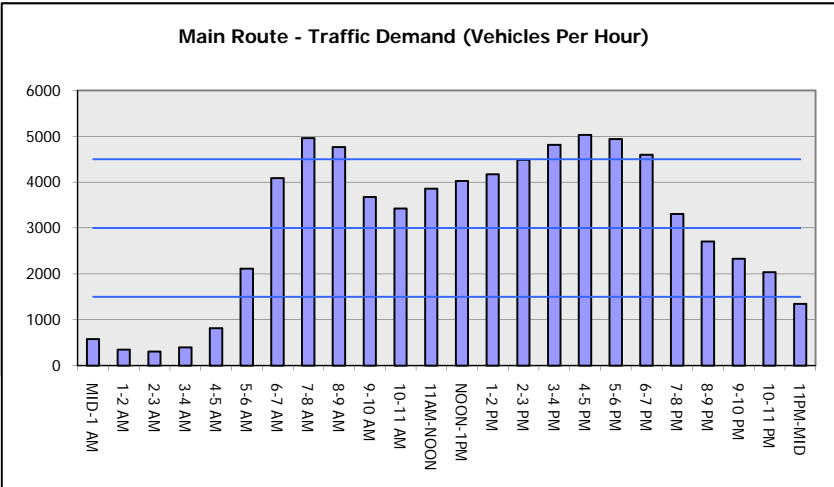
\*Delays Exceeding User-Specified Maximum

**IH 94: CTH O TO STH 100 (WAUKESHA COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

**MON-THUR WESTBOUND DIRECTION**



<b>IH 94: CTH 0 TO STH 100 (WAUKESHA COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	533	0.0	1500	533	0	0.58	1	70.0	57.4	43.3
1-2 AM	340	0.0	1500	340	0	0.51	0	70.2	58.7	44.2
2-3 AM	294	0.0	1500	294	0	0.51	0	70.2	58.9	44.3
3-4 AM	353	0.0	1500	353	0	0.52	0	70.2	58.7	44.1
4-5 AM	693	0.0	1500	693	0	0.55	0	69.9	57.8	42.8
5-6 AM	2109	0.0	OFF	2109	0	0.00	0	68.1	68.1	68.1
6-7 AM	4758	0.0	OFF	4758	0	0.00	0	58.4	58.4	58.4
7-8 AM	5330	0.0	OFF	5330	0	0.00	0	54.5	54.5	54.5
8-9 AM	5159	0.0	OFF	5159	0	0.00	0	55.6	55.6	55.6
9-10 AM	4211	0.0	OFF	4211	0	0.00	0	62.1	62.1	62.1
10-11 AM	3816	0.0	OFF	3816	0	0.00	0	64.8	64.8	64.8
11AM-NOON	4172	0.0	OFF	4172	0	0.00	0	62.3	62.3	62.3
NOON-1PM	4228	0.0	OFF	4228	0	0.00	0	62.0	62.0	62.0
1-2 PM	4321	0.0	OFF	4321	0	0.00	0	61.4	61.4	61.4
2-3 PM	4662	0.0	OFF	4662	0	0.00	0	59.0	59.0	59.0
3-4 PM	4855	0.0	OFF	4855	0	0.00	0	57.7	57.7	57.7
4-5 PM	5052	0.0	OFF	5052	0	0.00	0	56.3	56.3	56.3
5-6 PM	4744	0.0	OFF	4744	0	0.00	0	58.4	58.4	58.4
6-7 PM	3948	0.0	OFF	3948	0	0.00	0	63.9	63.9	63.9
7-8 PM	2975	0.0	1499	1550	1425	16.50+	412	67.1	9.6	36.6
8-9 PM	2774	0.0	1499	1581	1193	14.31+	380	67.3	10.9	36.1
9-10 PM	2391	0.0	1499	1675	716	14.24+	364	67.8	10.9	34.4
10-11 PM	1698	0.0	1499	1582	117	15.73+	384	68.6	10.1	30.8
11PM-MID	1167	0.0	1499	1167	0	9.56	257	69.3	15.2	33.8

"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	0.0368
MAIN ROUTE WITH WORKS	0.0345
'DIVERSION'	0.0039

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,918
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT  
 MON-THUR EASTBOUND DIRECTION**

