

<b>IH 94: CTH O TO STH 100 (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY 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**

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	751	0.0	OFF	751	0	0.00	0	69.8	69.8	69.8
1-2 AM	677	0.0	OFF	677	0	0.00	0	69.9	69.9	69.9
2-3 AM	621	0.0	OFF	621	0	0.00	0	70.0	70.0	70.0
3-4 AM	449	0.0	OFF	449	0	0.00	0	70.2	70.2	70.2
4-5 AM	538	0.0	OFF	538	0	0.00	0	70.0	70.0	70.0
5-6 AM	667	0.0	OFF	667	0	0.00	0	69.9	69.9	69.9
6-7 AM	1041	0.0	OFF	1041	0	0.00	0	69.4	69.4	69.4
7-8 AM	1143	0.0	OFF	1143	0	0.00	0	69.3	69.3	69.3
8-9 AM	2423	0.0	1499	1901	522	11.57+	300	67.8	13.0	30.8
9-10 AM	2113	0.0	1500	1500	613	16.35+	400	68.1	9.7	30.8
10-11 AM	2264	0.0	1500	1500	764	16.34+	400	67.9	9.7	30.8
11AM-NOON	3629	0.0	1500	1500	2129	16.26+	400	66.1	9.7	30.8
NOON-1PM	4364	0.0	1500	1500	2864	16.03+	400	61.0	9.7	30.8
1-2 PM	3542	0.0	1500	1500	2042	16.27+	400	66.3	9.7	30.8
2-3 PM	2530	0.0	1500	1500	1030	16.33+	400	67.6	9.7	30.8
3-4 PM	4503	0.0	1500	1500	3003	15.98+	400	60.1	9.7	30.8
4-5 PM	4097	0.0	1500	1500	2597	16.12+	400	62.8	9.7	30.8
5-6 PM	3673	0.0	1500	1500	2173	16.25+	400	65.8	9.7	30.8
6-7 PM	3162	0.0	OFF	3162	0	0.30	28	66.8	60.2	60.2
7-8 PM	2647	0.0	OFF	2647	0	0.00	0	67.4	67.4	67.4
8-9 PM	2410	0.0	OFF	2410	0	0.00	0	67.8	67.8	67.8
9-10 PM	3079	0.0	OFF	3079	0	0.00	0	66.9	66.9	66.9
10-11 PM	2166	0.0	OFF	2166	0	0.00	0	68.1	68.1	68.1
11PM-MID	968	0.0	OFF	968	0	0.00	0	69.6	69.6	69.6

"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	0.0264
MAIN ROUTE WITH WORKS	0.0166
'DIVERSION'	0.0203
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$144,885
CONGESTED HOURS PER DAY*	10

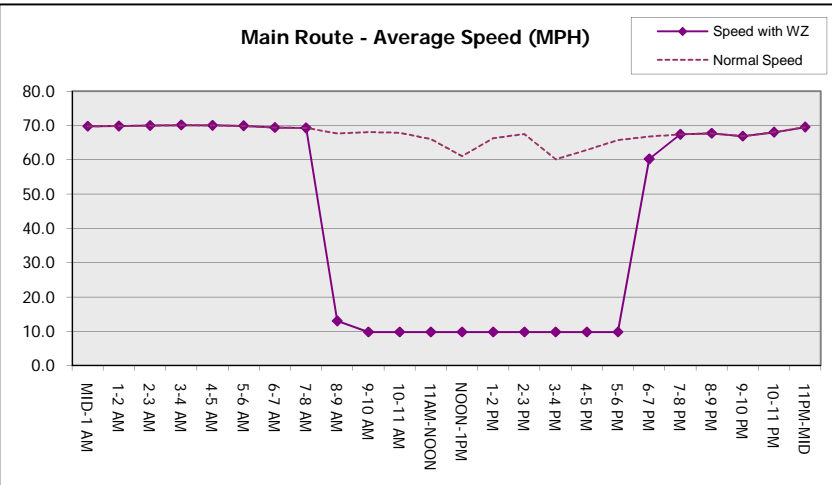
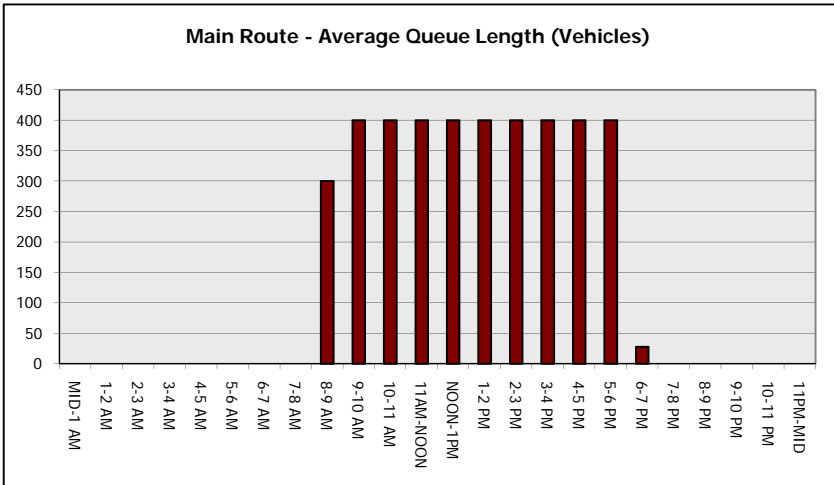
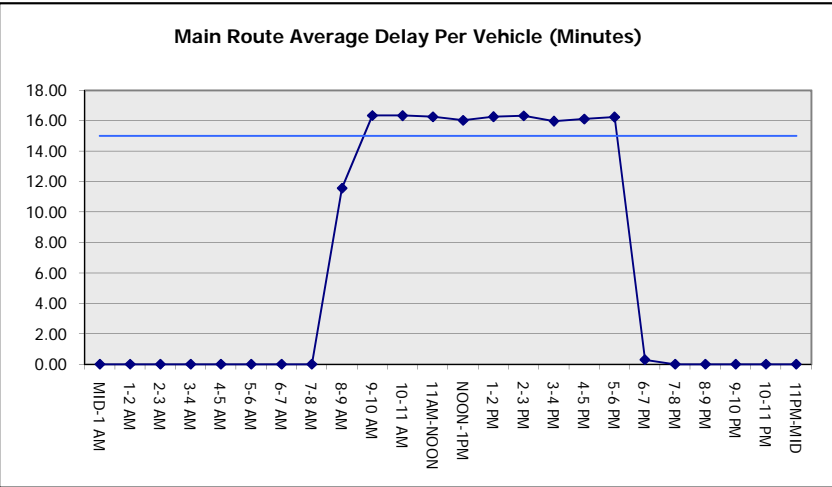
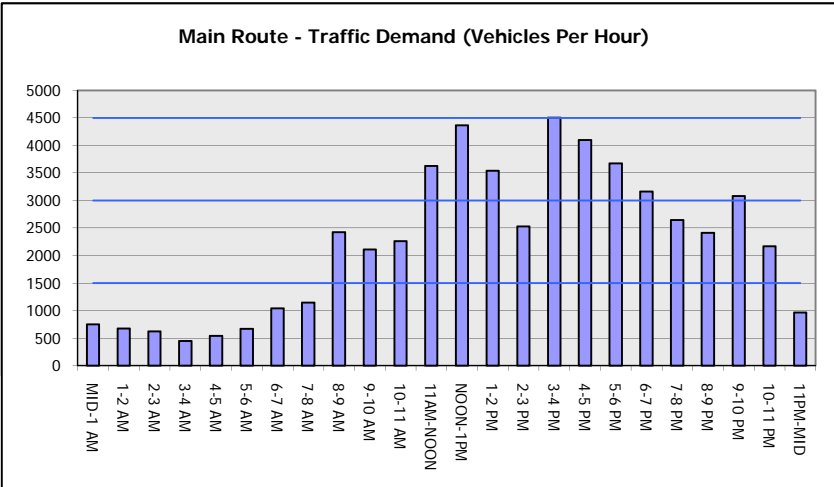
\*Delays Exceeding User-Specified Maximum

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

**SATURDAY WESTBOUND DIRECTION**



<b>IH 94: CTH O TO STH 100 (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY 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**

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	525	0.0	OFF	525	0	0.00	0	70.1	70.1	70.1
1-2 AM	480	0.0	OFF	480	0	0.00	0	70.1	70.1	70.1
2-3 AM	344	0.0	OFF	344	0	0.00	0	70.2	70.2	70.2
3-4 AM	300	0.0	OFF	300	0	0.00	0	70.2	70.2	70.2
4-5 AM	476	0.0	OFF	476	0	0.00	0	70.1	70.1	70.1
5-6 AM	599	0.0	OFF	599	0	0.00	0	70.0	70.0	70.0
6-7 AM	831	0.0	OFF	831	0	0.00	0	69.7	69.7	69.7
7-8 AM	902	0.0	OFF	902	0	0.00	0	69.6	69.6	69.6
8-9 AM	2130	0.0	1499	1926	204	8.81+	247	68.1	16.1	30.8
9-10 AM	1973	0.0	1500	1500	473	16.35+	400	68.3	9.7	30.8
10-11 AM	2227	0.0	1500	1500	727	16.34+	400	67.9	9.7	30.8
11AM-NOON	3955	0.0	1500	1500	2455	16.16+	400	63.8	9.7	30.8
NOON-1PM	4420	0.0	1500	1500	2920	16.01+	400	60.7	9.7	30.8
1-2 PM	3666	0.0	1500	1500	2166	16.25+	400	65.8	9.7	30.8
2-3 PM	2659	0.0	1500	1500	1159	16.32+	400	67.4	9.7	30.8
3-4 PM	4634	0.0	1500	1500	3134	15.94+	400	59.2	9.7	30.8
4-5 PM	4529	0.0	1500	1500	3029	15.97+	400	59.9	9.7	30.8
5-6 PM	4105	0.0	1500	1500	2605	16.12+	400	62.8	9.7	30.8
6-7 PM	3602	0.0	OFF	3602	0	0.51	37	66.3	56.1	56.1
7-8 PM	3025	0.0	OFF	3025	0	0.00	0	66.9	66.9	66.9
8-9 PM	2689	0.0	OFF	2689	0	0.00	0	67.4	67.4	67.4
9-10 PM	2784	0.0	OFF	2784	0	0.00	0	67.3	67.3	67.3
10-11 PM	1996	0.0	OFF	1996	0	0.00	0	68.2	68.2	68.2
11PM-MID	650	0.0	OFF	650	0	0.00	0	69.9	69.9	69.9

"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	0.0264
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0216

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$148,505
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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

**AUGUST**  
Analyzed for 2009  
Construction Season

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

