

<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**

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	950	0.0	OFF	950	0	0.00	0	69.6	69.6	69.6	
1-2 AM	643	0.0	OFF	643	0	0.00	0	69.9	69.9	69.9	
2-3 AM	278	0.0	OFF	278	0	0.00	0	70.2	70.2	70.2	
3-4 AM	208	0.0	OFF	208	0	0.00	0	70.2	70.2	70.2	
4-5 AM	114	0.0	OFF	114	0	0.00	0	70.2	70.2	70.2	
5-6 AM	187	0.0	OFF	187	0	0.00	0	70.2	70.2	70.2	
6-7 AM	300	0.0	OFF	300	0	0.00	0	70.2	70.2	70.2	
7-8 AM	830	0.0	OFF	830	0	0.00	0	69.7	69.7	69.7	
8-9 AM	915	0.0	OFF	915	0	0.00	0	69.6	69.6	69.6	
9-10 AM	1953	0.0	1499	1953	0	6.14	180	68.3	21.0	30.8	
10-11 AM	2382	0.0	1499	1500	882	16.33+	399	67.8	9.7	30.8	
11AM-NOON	2688	0.0	1500	1500	1188	16.32+	400	67.4	9.7	30.8	
NOON-1PM	3665	0.0	1500	1500	2165	16.25+	400	65.8	9.7	30.8	
1-2 PM	3841	0.0	1500	1500	2341	16.20+	400	64.6	9.7	30.8	
2-3 PM	3616	0.0	1500	1500	2116	16.27+	400	66.1	9.7	30.8	
3-4 PM	3695	0.0	1500	1500	2195	16.24+	400	65.6	9.7	30.8	
4-5 PM	3748	0.0	1500	1500	2248	16.23+	400	65.3	9.7	30.8	
5-6 PM	3545	0.0	1500	1500	2045	16.27+	400	66.3	9.7	30.8	
6-7 PM	3208	0.0	1500	1500	1708	16.29+	400	66.8	9.7	30.8	
7-8 PM	2316	0.0	OFF	2316	0	0.30	27	67.9	61.1	61.1	
8-9 PM	1702	0.0	OFF	1702	0	0.00	0	68.6	68.6	68.6	
9-10 PM	1359	0.0	OFF	1359	0	0.00	0	69.1	69.1	69.1	
10-11 PM	1202	0.0	OFF	1202	0	0.00	0	69.2	69.2	69.2	
11PM-MID	576	0.0	OFF	576	0	0.00	0	70.0	70.0	70.0	

"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	0.0217
MAIN ROUTE WITH WORKS	0.0123
'DIVERSION'	0.0193
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$141,106
CONGESTED HOURS PER DAY*	9

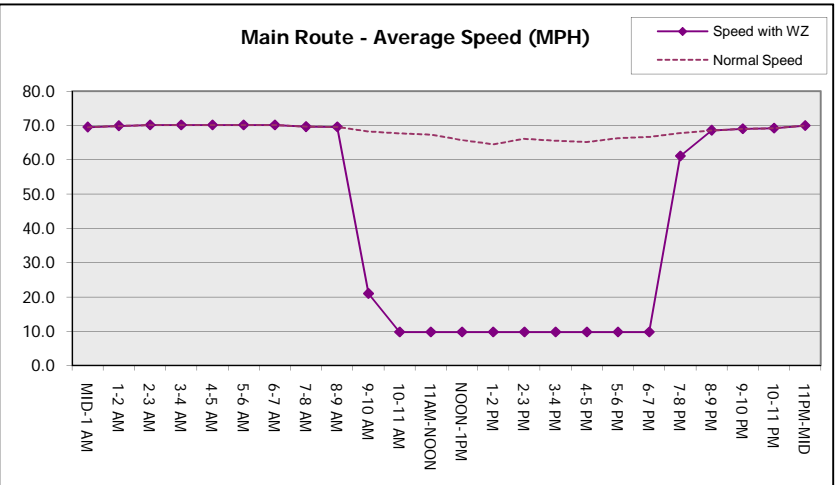
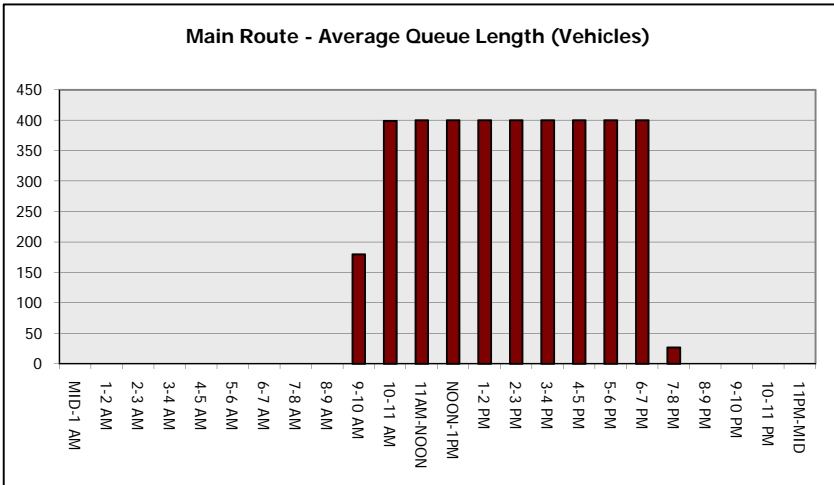
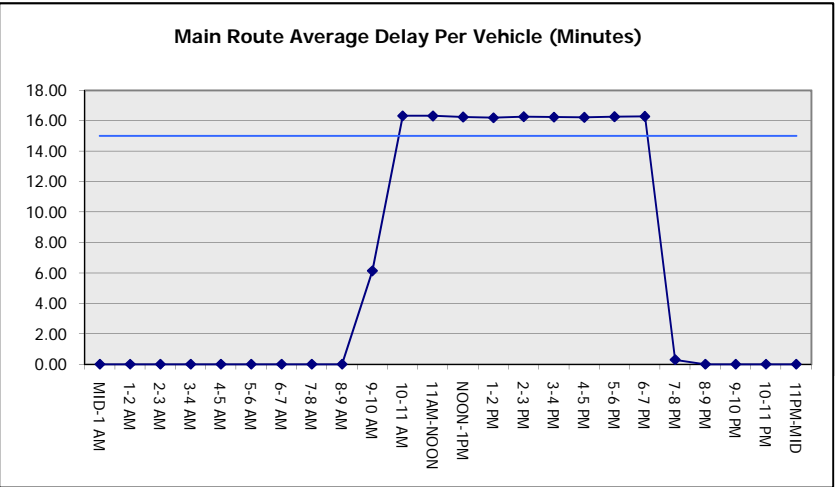
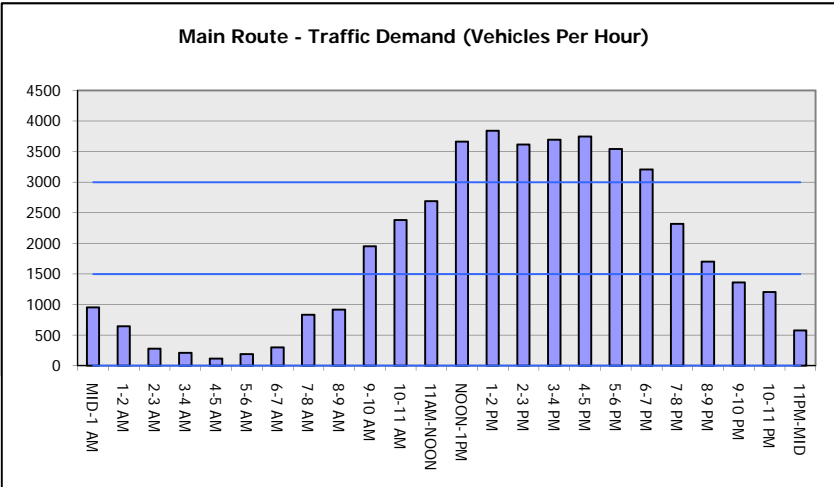
\*Delays Exceeding User-Specified Maximum

**IH 94: CTH 0 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**

**SUNDAY 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**

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	653	0.0	OFF	653	0	0.00	0	69.9	69.9	70.2
1-2 AM	329	0.0	OFF	329	0	0.00	0	70.2	70.2	70.2
2-3 AM	154	0.0	OFF	154	0	0.00	0	70.2	70.2	70.2
3-4 AM	141	0.0	OFF	141	0	0.00	0	70.2	70.2	70.2
4-5 AM	108	0.0	OFF	108	0	0.00	0	70.2	70.2	70.2
5-6 AM	146	0.0	OFF	146	0	0.00	0	70.2	70.2	70.2
6-7 AM	271	0.0	OFF	271	0	0.00	0	70.2	70.2	70.2
7-8 AM	735	0.0	OFF	735	0	0.00	0	69.8	69.8	69.8
8-9 AM	909	0.0	OFF	909	0	0.00	0	69.6	69.6	69.6
9-10 AM	1983	0.0	1499	1983	0	6.33	190	68.2	20.6	30.8
10-11 AM	2550	0.0	1500	1494	1056	16.28+	399	67.6	9.7	31.1
11AM-NOON	3146	0.0	1500	1500	1646	16.29+	400	66.8	9.7	30.9
NOON-1PM	3846	0.0	1500	1500	2346	16.19+	400	64.6	9.7	30.9
1-2 PM	3929	0.0	1500	1500	2429	16.17+	400	64.0	9.7	30.9
2-3 PM	3765	0.0	1500	1500	2265	16.22+	400	65.1	9.7	30.9
3-4 PM	3736	0.0	1500	1500	2236	16.22+	400	65.3	9.7	30.9
4-5 PM	3981	0.0	1500	1500	2481	16.15+	400	63.7	9.7	30.9
5-6 PM	3830	0.0	1500	1500	2330	16.20+	400	64.7	9.7	30.9
6-7 PM	3637	0.0	1500	1500	2137	16.25+	400	66.0	9.7	30.9
7-8 PM	2727	0.0	OFF	2727	0	0.37	34	67.3	59.4	59.4
8-9 PM	2211	0.0	OFF	2211	0	0.00	0	68.0	68.0	68.0
9-10 PM	1737	0.0	OFF	1737	0	0.00	0	68.6	68.6	68.6
10-11 PM	1352	0.0	OFF	1352	0	0.00	0	69.1	69.1	69.1
11PM-MID	525	0.0	OFF	525	0	0.00	0	70.1	70.1	70.1

"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	0.0229
MAIN ROUTE WITH WORKS	0.0125
'DIVERSION'	0.0216

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$150,124
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
Analyzed for 2009  
Construction Season

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

