

<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**

FRIDAY 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	149	0.0	OFF	149	0	0.00	0	70.2	70.2	70.2
1-2 AM	26	0.0	OFF	26	0	0.00	0	70.2	70.2	70.2
2-3 AM	161	0.0	OFF	161	0	0.00	0	70.2	70.2	70.2
3-4 AM	24	0.0	OFF	24	0	0.00	0	70.2	70.2	70.2
4-5 AM	75	0.0	OFF	75	0	0.00	0	70.2	70.2	70.2
5-6 AM	148	0.0	OFF	148	0	0.00	0	70.2	70.2	70.2
6-7 AM	213	0.0	OFF	213	0	0.00	0	70.2	70.2	70.2
7-8 AM	151	0.0	OFF	151	0	0.00	0	70.2	70.2	70.2
8-9 AM	3246	0.0	OFF	3246	0	0.00	0	66.7	66.7	66.7
9-10 AM	2363	0.0	OFF	2363	0	0.00	0	67.8	67.8	67.8
10-11 AM	1522	0.0	1499	1522	0	1.70	16	68.9	42.2	30.8
11AM-NOON	2196	0.0	1500	1925	271	12.38+	318	68.0	12.3	30.8
NOON-1PM	152	0.0	1500	152	0	1.40	70	70.2	46.0	44.3
1-2 PM	2823	0.0	1499	1861	963	10.94+	290	67.3	13.5	30.8
2-3 PM	4964	0.0	1500	1500	3464	15.81+	400	56.9	9.7	30.8
3-4 PM	5384	0.0	OFF	5384	0	1.22	105	54.1	39.9	39.9
4-5 PM	5218	0.0	OFF	5218	0	0.00	0	55.2	55.2	55.2
5-6 PM	5462	0.0	OFF	5462	0	0.00	0	53.5	53.5	53.5
6-7 PM	4132	0.0	OFF	4132	0	0.00	0	62.6	62.6	62.6
7-8 PM	3291	0.0	OFF	3291	0	0.00	0	66.6	66.6	66.6
8-9 PM	3007	0.0	OFF	3007	0	0.00	0	67.0	67.0	67.0
9-10 PM	2603	0.0	OFF	2603	0	0.00	0	67.5	67.5	67.5
10-11 PM	2305	0.0	OFF	2305	0	0.00	0	67.9	67.9	67.9
11PM-MID	1826	0.0	OFF	1826	0	0.00	0	68.4	68.4	68.4

"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	0.0254
MAIN ROUTE WITH WORKS	0.0226
'DIVERSION'	0.0054
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,584
CONGESTED HOURS PER DAY*	3

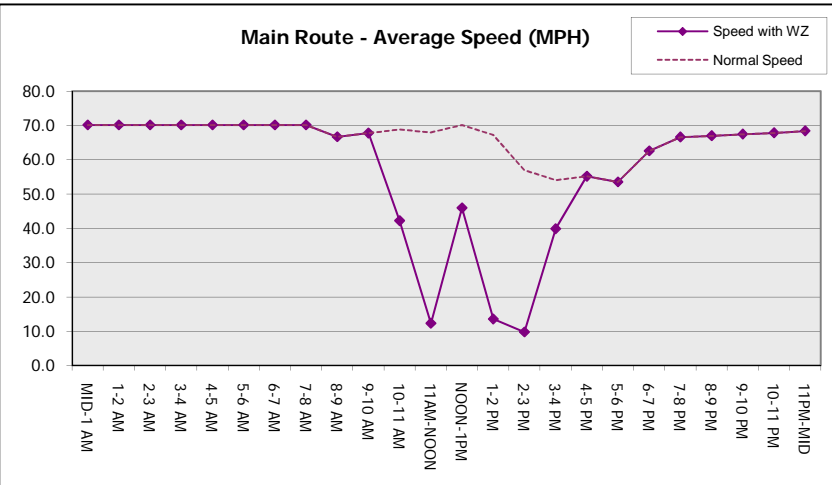
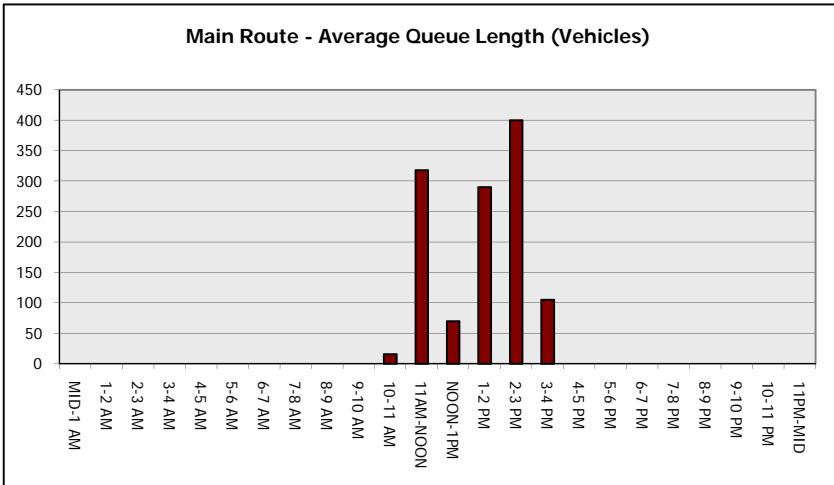
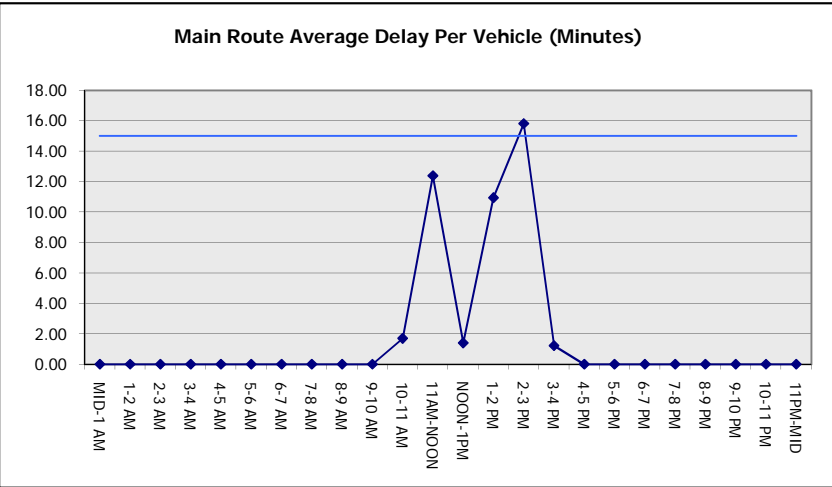
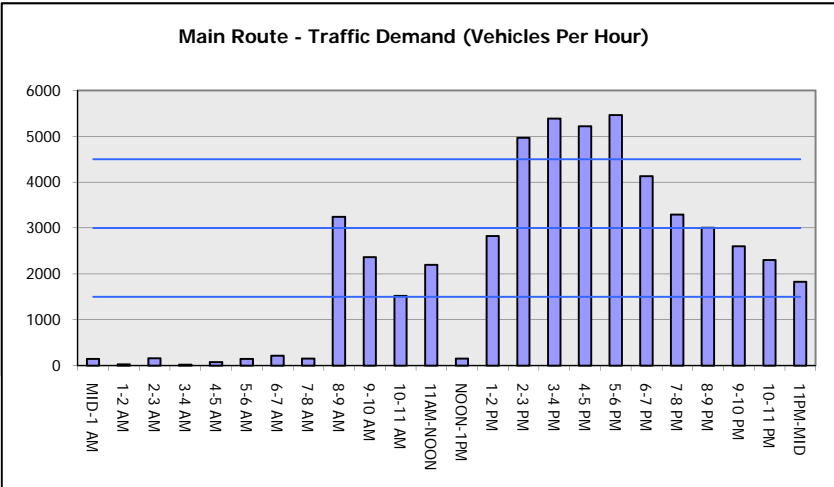
\*Delays Exceeding User-Specified Maximum

**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**

**FRIDAY 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>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	88	0.0	OFF	88	0	0.00	0	70.2	70.2	70.2
1-2 AM	26	0.0	OFF	26	0	0.00	0	70.2	70.2	70.2
2-3 AM	102	0.0	OFF	102	0	0.00	0	70.2	70.2	70.2
3-4 AM	14	0.0	OFF	14	0	0.00	0	70.2	70.2	70.2
4-5 AM	75	0.0	OFF	75	0	0.00	0	70.2	70.2	70.2
5-6 AM	97	0.0	OFF	97	0	0.00	0	70.2	70.2	70.2
6-7 AM	246	0.0	OFF	246	0	0.00	0	70.2	70.2	70.2
7-8 AM	132	0.0	OFF	132	0	0.00	0	70.2	70.2	70.2
8-9 AM	3178	0.0	OFF	3178	0	0.00	0	66.8	66.8	66.8
9-10 AM	2346	0.0	OFF	2346	0	0.00	0	67.8	67.8	67.8
10-11 AM	1469	0.0	1500	1469	0	1.06	0	68.9	49.5	31.4
11AM-NOON	2157	0.0	1499	1913	244	11.77+	303	68.1	12.8	30.8
NOON-1PM	117	0.0	1500	117	0	1.29	60	70.2	47.2	44.6
1-2 PM	2342	0.0	1499	2082	260	6.01+	210	67.8	21.2	30.8
2-3 PM	5085	0.0	1500	1493	3592	15.39+	399	56.1	9.9	37.9
3-4 PM	5502	0.0	OFF	5502	0	3.50	326	53.3	26.6	26.6
4-5 PM	5276	0.0	OFF	5276	0	0.07	4	54.8	53.7	53.7
5-6 PM	5137	0.0	OFF	5137	0	0.00	0	55.8	55.8	55.8
6-7 PM	4132	0.0	OFF	4132	0	0.00	0	62.6	62.6	62.6
7-8 PM	3410	0.0	OFF	3410	0	0.00	0	66.5	66.5	66.5
8-9 PM	2920	0.0	OFF	2920	0	0.00	0	67.1	67.1	67.1
9-10 PM	2676	0.0	OFF	2676	0	0.00	0	67.4	67.4	67.4
10-11 PM	2150	0.0	OFF	2150	0	0.00	0	68.1	68.1	68.1
11PM-MID	1625	0.0	OFF	1625	0	0.00	0	68.7	68.7	68.7

"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	0.0248
MAIN ROUTE WITH WORKS	0.0223
'DIVERSION'	0.0047

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$28,192
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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 Construction Season

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

