

<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>MAY</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	509	0.0	OFF	509	0	0.00	0	70.1	70.1	70.1	
1-2 AM	327	0.0	OFF	327	0	0.00	0	70.2	70.2	70.2	
2-3 AM	317	0.0	OFF	317	0	0.00	0	70.2	70.2	70.2	
3-4 AM	377	0.0	OFF	377	0	0.00	0	70.2	70.2	70.2	
4-5 AM	689	0.0	OFF	689	0	0.00	0	69.9	69.9	69.9	
5-6 AM	1965	0.0	OFF	1965	0	0.00	0	68.3	68.3	68.3	
6-7 AM	4580	0.0	OFF	4580	0	0.00	0	59.6	59.6	59.6	
7-8 AM	5493	0.0	OFF	5493	0	0.00	0	53.3	53.3	53.3	
8-9 AM	4732	0.0	OFF	4732	0	0.00	0	58.5	58.5	58.5	
9-10 AM	3207	0.0	OFF	3207	0	0.00	0	66.8	66.8	66.8	
10-11 AM	3024	0.0	1499	1545	1479	15.59+	388	67.0	10.1	36.5	
11AM-NOON	3329	0.0	1499	1614	1715	14.41+	381	66.6	10.8	36.0	
NOON-1PM	3740	0.0	1499	1753	1987	15.57+	386	65.3	10.1	30.8	
1-2 PM	4077	0.0	1500	1500	2577	16.13+	400	63.0	9.7	30.8	
2-3 PM	4308	0.0	1500	1500	2808	16.05+	400	61.4	9.7	30.8	
3-4 PM	4596	0.0	OFF	4596	0	0.76	60	59.4	47.8	47.8	
4-5 PM	5131	0.0	OFF	5131	0	0.00	0	55.8	55.8	55.8	
5-6 PM	4720	0.0	OFF	4720	0	0.00	0	58.6	58.6	58.6	
6-7 PM	3746	0.0	OFF	3746	0	0.00	0	65.3	65.3	65.3	
7-8 PM	2639	0.0	OFF	2639	0	0.00	0	67.4	67.4	67.4	
8-9 PM	1919	0.0	OFF	1919	0	0.00	0	68.4	68.4	68.4	
9-10 PM	1899	0.0	OFF	1899	0	0.00	0	68.4	68.4	68.4	
10-11 PM	1506	0.0	OFF	1506	0	0.00	0	68.9	68.9	68.9	
11PM-MID	946	0.0	OFF	946	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	0.0334
MAIN ROUTE WITH WORKS	0.0277
'DIVERSION'	0.0121
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$63,566
CONGESTED HOURS PER DAY*	5

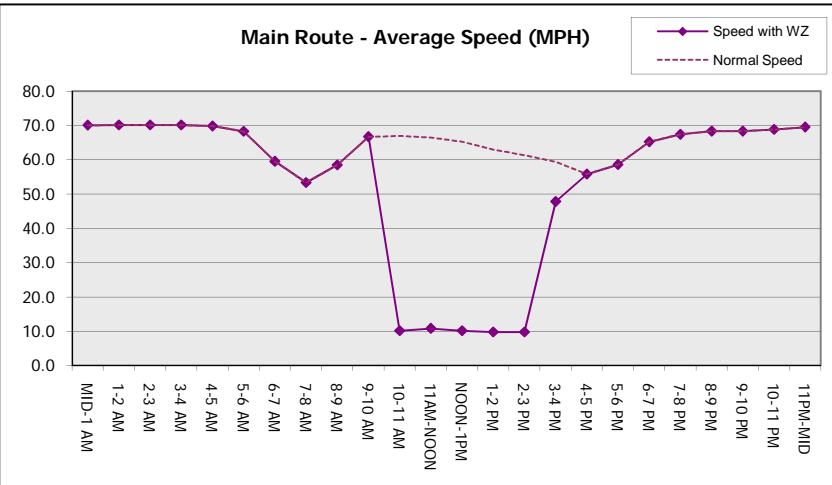
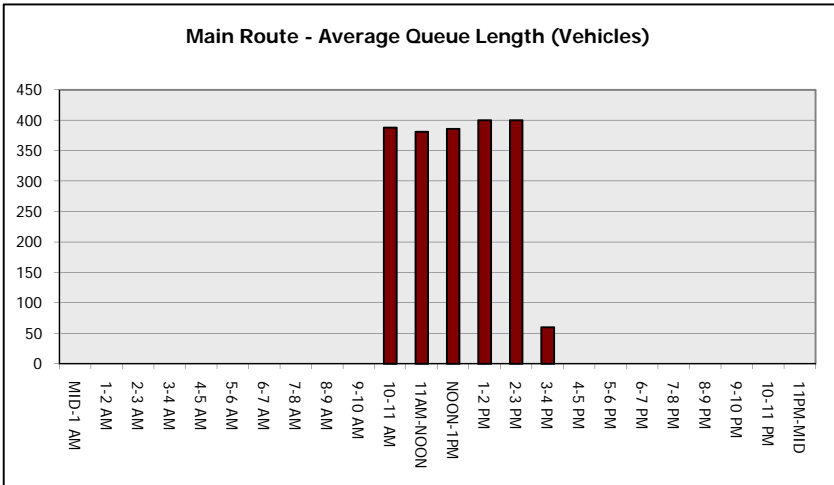
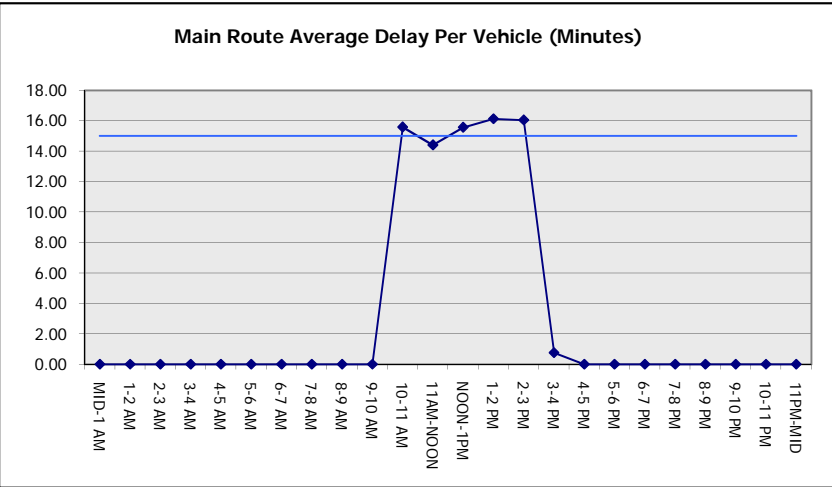
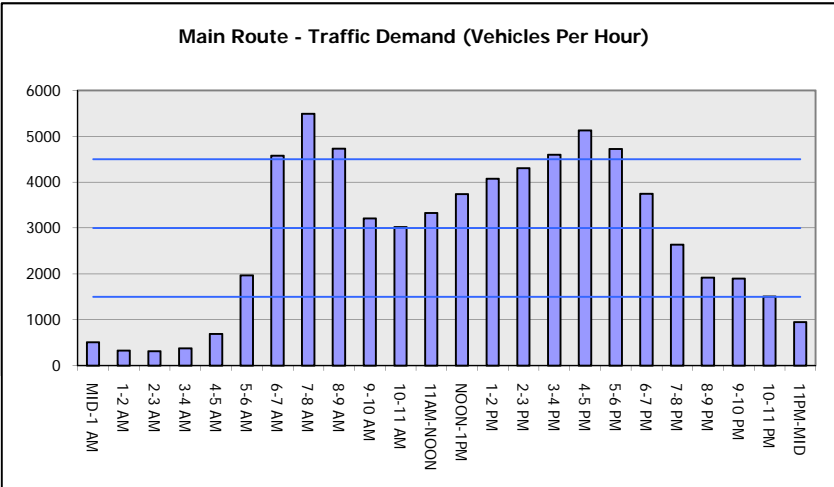
\*Delays Exceeding User-Specified Maximum

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**OFF-PEAK DAY 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

**MON-THUR 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>MAY</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	482	0.0	OFF	482	0	0.00	0	70.1	70.1	70.1
1-2 AM	283	0.0	OFF	283	0	0.00	0	70.2	70.2	70.2
2-3 AM	261	0.0	OFF	261	0	0.00	0	70.2	70.2	70.2
3-4 AM	305	0.0	OFF	305	0	0.00	0	70.2	70.2	70.2
4-5 AM	615	0.0	OFF	615	0	0.00	0	70.0	70.0	70.0
5-6 AM	1941	0.0	OFF	1941	0	0.00	0	68.3	68.3	68.3
6-7 AM	5206	0.0	OFF	5206	0	0.00	0	55.3	55.3	55.3
7-8 AM	5717	0.0	OFF	5717	0	0.00	0	51.8	51.8	51.8
8-9 AM	4806	0.0	OFF	4806	0	0.00	0	58.0	58.0	58.0
9-10 AM	3498	0.0	OFF	3498	0	0.00	0	66.4	66.4	66.4
10-11 AM	3219	0.0	1499	1550	1669	16.49+	412	66.8	9.6	36.6
11AM-NOON	3340	0.0	1499	1635	1705	14.35+	379	66.6	10.9	35.9
NOON-1PM	3557	0.0	1499	1684	1873	15.76+	388	66.3	10.0	30.8
1-2 PM	3870	0.0	1500	1500	2370	16.19+	400	64.4	9.7	30.8
2-3 PM	4053	0.0	1500	1500	2553	16.13+	400	63.2	9.7	30.8
3-4 PM	4283	0.0	OFF	4283	0	0.53	39	61.6	52.5	52.5
4-5 PM	4773	0.0	OFF	4773	0	0.00	0	58.2	58.2	58.2
5-6 PM	4446	0.0	OFF	4446	0	0.00	0	60.5	60.5	60.5
6-7 PM	3454	0.0	OFF	3454	0	0.00	0	66.4	66.4	66.4
7-8 PM	2589	0.0	OFF	2589	0	0.00	0	67.5	67.5	67.5
8-9 PM	2141	0.0	OFF	2141	0	0.00	0	68.1	68.1	68.1
9-10 PM	2045	0.0	OFF	2045	0	0.00	0	68.2	68.2	68.2
10-11 PM	1456	0.0	OFF	1456	0	0.00	0	68.9	68.9	68.9
11PM-MID	999	0.0	OFF	999	0	0.00	0	69.5	69.5	69.5

"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	0.0
(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	0
(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	0.0332
MAIN ROUTE WITH WORKS	0.0277
'DIVERSION'	0.0116

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$62,613
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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 Construction Season

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

