

<b>IH 94: CTH O TO STH 100 (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY 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	2999	3024	0	0.88	8	67.0	50.9	37.3
11AM-NOON	3329	0.0	3000	3329	0	3.38	166	66.6	30.1	37.3
NOON-1PM	3740	0.0	3000	3485	255	12.31+	665	65.3	13.4	37.3
1-2 PM	4077	0.0	2999	3014	1063	16.00+	853	63.0	11.7	37.3
2-3 PM	4308	0.0	3000	3015	1293	16.09+	863	61.4	11.6	37.3
3-4 PM	4596	0.0	OFF	4596	0	3.03	268	59.4	30.2	30.2
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	0.0311
'DIVERSION'	0.0030
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$42,102
CONGESTED HOURS PER DAY*	3

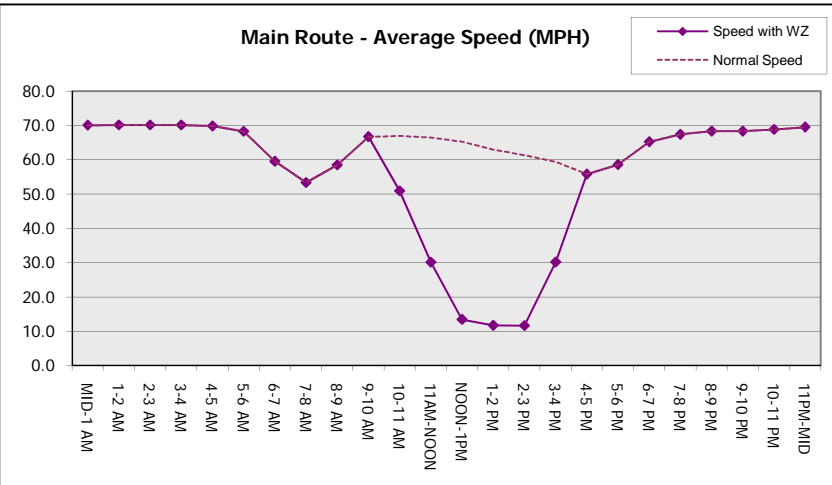
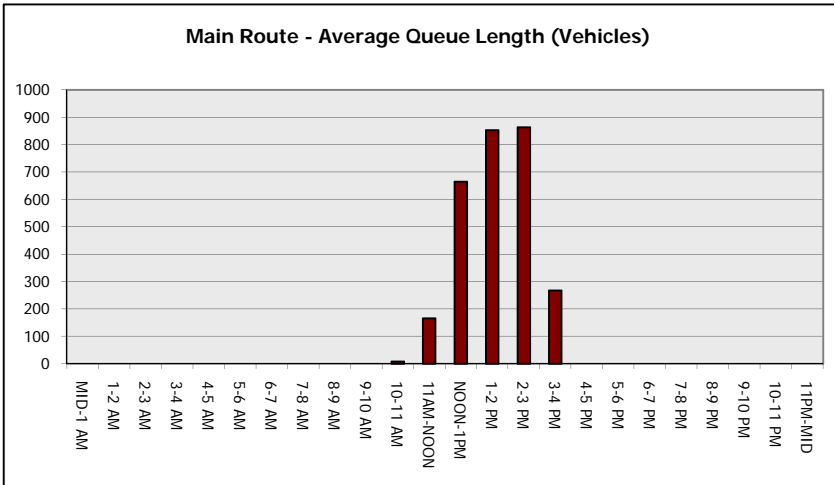
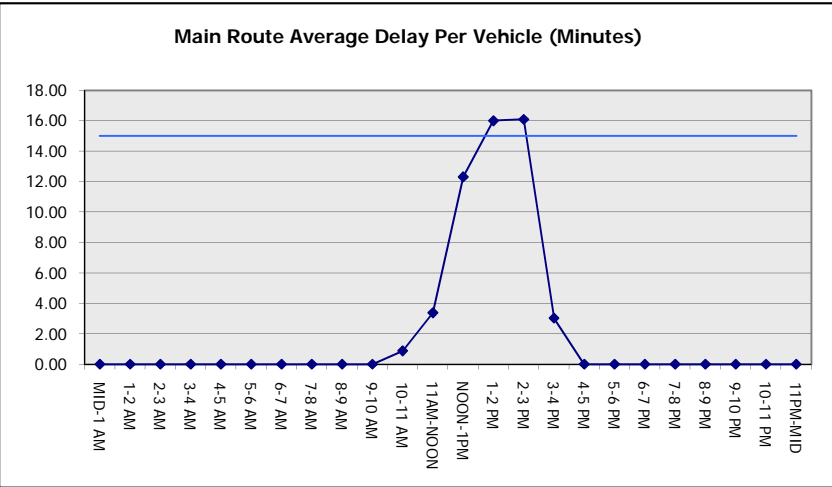
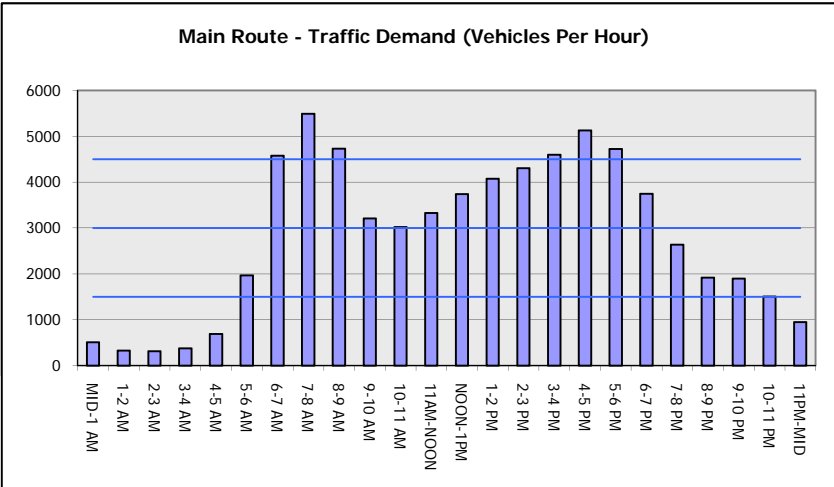
\*Delays Exceeding User-Specified Maximum

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**OFF-PEAK DAY 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 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	2999	3219	0	2.62	114	66.8	34.4	37.3
11AM-NOON	3340	0.0	3000	3340	0	7.32	378	66.6	18.4	37.3
NOON-1PM	3557	0.0	3000	3252	304	14.49+	766	66.3	12.3	37.3
1-2 PM	3870	0.0	3000	3018	851	16.06+	852	64.4	11.7	37.3
2-3 PM	4053	0.0	3000	3019	1034	16.02+	853	63.2	11.7	37.3
3-4 PM	4283	0.0	OFF	4283	0	2.41	209	61.6	34.2	34.2
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 (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	0.0332
MAIN ROUTE WITH WORKS	0.0311
'DIVERSION'	0.0025

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$44,809
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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

