

<b>IH 94: CTH G TO STH 16 (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</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	444	0.0	OFF	444	0	0.00	0	70.2	70.2	70.2
1-2 AM	254	0.0	OFF	254	0	0.00	0	70.2	70.2	70.2
2-3 AM	230	0.0	OFF	230	0	0.00	0	70.2	70.2	70.2
3-4 AM	227	0.0	OFF	227	0	0.00	0	70.2	70.2	70.2
4-5 AM	280	0.0	OFF	280	0	0.00	0	70.2	70.2	70.2
5-6 AM	542	0.0	OFF	542	0	0.00	0	70.0	70.0	70.0
6-7 AM	1163	0.0	OFF	1163	0	0.00	0	69.3	69.3	69.3
7-8 AM	2856	0.0	OFF	2856	0	0.00	0	67.2	67.2	67.2
8-9 AM	4447	0.0	1499	1550	2897	16.10+	412	60.5	11.7	36.6
9-10 AM	2829	0.0	1499	1590	1238	14.35+	379	67.2	13.1	36.0
10-11 AM	2506	0.0	1499	1719	787	14.49+	367	67.6	13.0	33.7
11AM-NOON	2386	0.0	1499	1500	886	16.32+	399	67.8	11.9	30.8
NOON-1PM	2570	0.0	1500	1500	1070	16.31+	400	67.6	11.9	30.8
1-2 PM	2470	0.0	1500	1500	970	16.32+	400	67.7	11.9	30.8
2-3 PM	2518	0.0	1500	1500	1018	16.31+	400	67.6	11.9	30.8
3-4 PM	2646	0.0	1500	1500	1146	16.30+	400	67.4	11.9	30.8
4-5 PM	2470	0.0	1500	1500	970	16.32+	400	67.7	11.9	30.8
5-6 PM	2076	0.0	1500	1500	576	16.34+	400	68.1	11.9	30.8
6-7 PM	1771	0.0	OFF	1771	0	0.18	15	68.6	65.2	65.2
7-8 PM	1407	0.0	OFF	1407	0	0.00	0	69.0	69.0	69.0
8-9 PM	1065	0.0	OFF	1065	0	0.00	0	69.4	69.4	69.4
9-10 PM	1066	0.0	OFF	1066	0	0.00	0	69.4	69.4	69.4
10-11 PM	1073	0.0	OFF	1073	0	0.00	0	69.4	69.4	69.4
11PM-MID	653	0.0	OFF	653	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	0.0248
MAIN ROUTE WITH WORKS	0.0166
'DIVERSION'	0.0166
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$116,688
CONGESTED HOURS PER DAY*	10

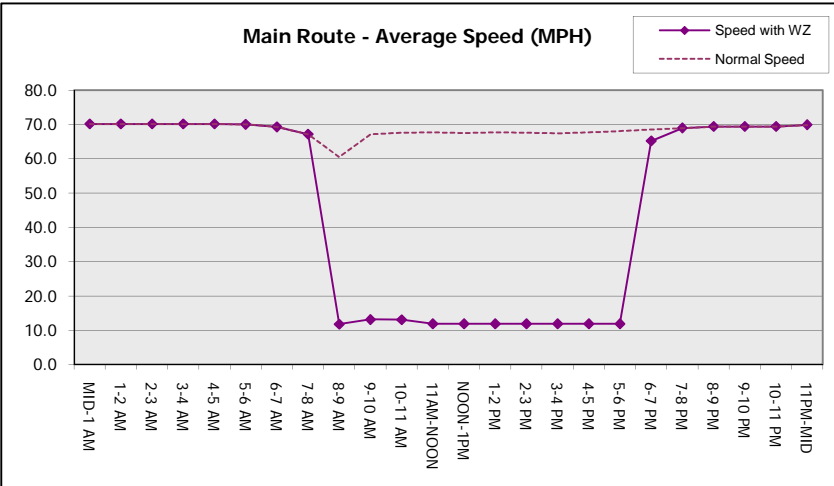
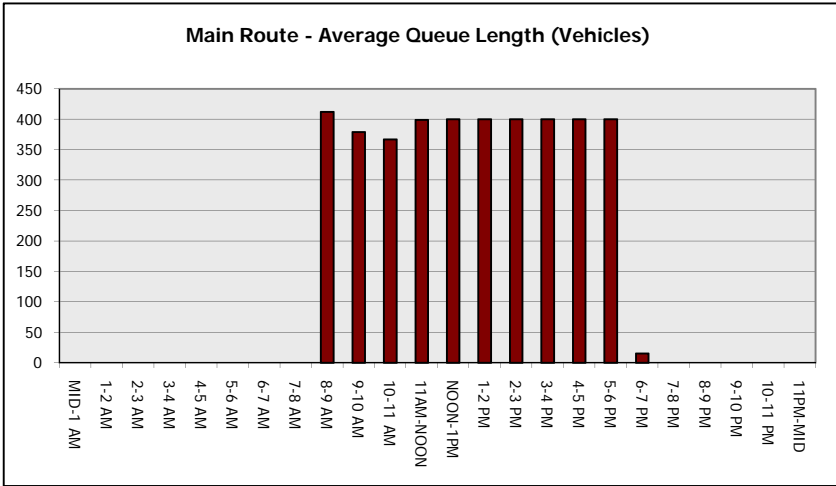
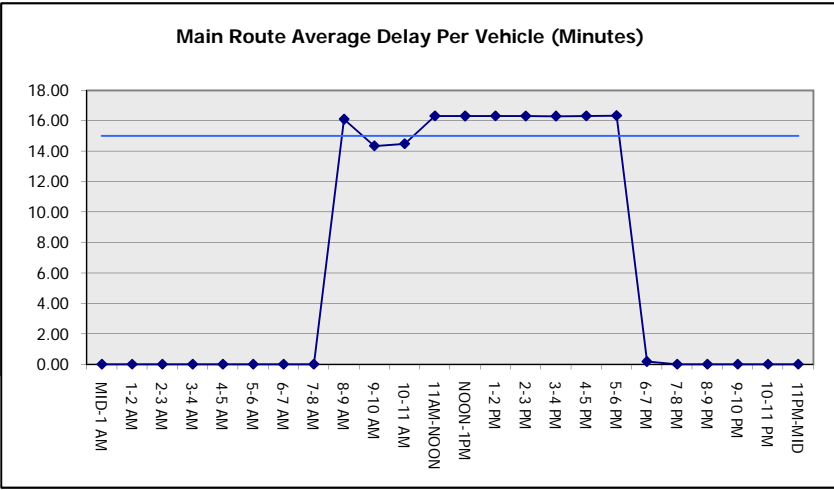
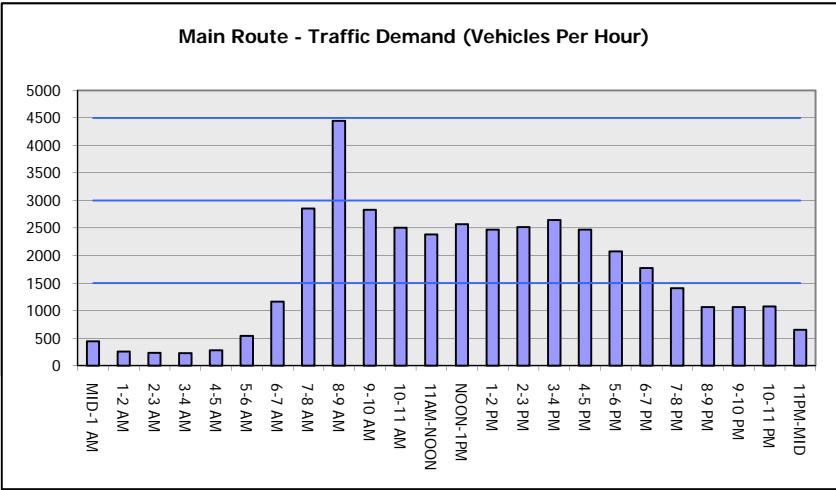
\*Delays Exceeding User-Specified Maximum

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**OCTOBER**  
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Construction Season

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

**SATURDAY WESTBOUND DIRECTION**



<b>IH 94: CTH G TO STH 16 (WAUKESHA COUNTY)                  OFF-PEAK DAY 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
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**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	378	0.0	OFF	378	0	0.00	0	70.2	70.2	70.2
1-2 AM	234	0.0	OFF	234	0	0.00	0	70.2	70.2	70.2
2-3 AM	206	0.0	OFF	206	0	0.00	0	70.2	70.2	70.2
3-4 AM	165	0.0	OFF	165	0	0.00	0	70.2	70.2	70.2
4-5 AM	258	0.0	OFF	258	0	0.00	0	70.2	70.2	70.2
5-6 AM	434	0.0	OFF	434	0	0.00	0	70.2	70.2	70.2
6-7 AM	773	0.0	OFF	773	0	0.00	0	69.8	69.8	69.8
7-8 AM	1032	0.0	OFF	1032	0	0.00	0	69.4	69.4	69.4
8-9 AM	1489	0.0	1499	1489	0	1.41	11	68.9	48.6	32.0
9-10 AM	1875	0.0	1500	1875	0	8.11	213	68.4	20.3	30.8
10-11 AM	2159	0.0	1499	1500	659	16.34+	399	68.1	11.9	30.8
11AM-NOON	2306	0.0	1500	1500	806	16.33+	400	67.9	11.9	30.8
NOON-1PM	2433	0.0	1500	1500	933	16.32+	400	67.7	11.9	30.8
1-2 PM	2431	0.0	1500	1500	931	16.32+	400	67.7	11.9	30.8
2-3 PM	2477	0.0	1500	1500	977	16.32+	400	67.6	11.9	30.8
3-4 PM	3463	0.0	1500	1500	1963	16.25+	400	66.4	11.9	30.8
4-5 PM	3838	0.0	1500	1500	2338	16.15+	400	64.6	11.9	30.8
5-6 PM	3448	0.0	1500	1500	1948	16.25+	400	66.4	11.9	30.8
6-7 PM	2678	0.0	OFF	2678	0	0.30	26	67.4	62.1	62.1
7-8 PM	1843	0.0	OFF	1843	0	0.00	0	68.4	68.4	68.4
8-9 PM	1395	0.0	OFF	1395	0	0.00	0	69.0	69.0	69.0
9-10 PM	1235	0.0	OFF	1235	0	0.00	0	69.2	69.2	69.2
10-11 PM	865	0.0	OFF	865	0	0.00	0	69.7	69.7	69.7
11PM-MID	630	0.0	OFF	630	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	0.0236
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0152

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$104,899
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding User-Specified Maximum

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

