

<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>MAY</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	341	0.0	OFF	341	0	0.00	0	70.2	70.2	70.2
1-2 AM	233	0.0	OFF	233	0	0.00	0	70.2	70.2	70.2
2-3 AM	208	0.0	OFF	208	0	0.00	0	70.2	70.2	70.2
3-4 AM	217	0.0	OFF	217	0	0.00	0	70.2	70.2	70.2
4-5 AM	342	0.0	OFF	342	0	0.00	0	70.2	70.2	70.2
5-6 AM	772	0.0	OFF	772	0	0.00	0	69.8	69.8	69.8
6-7 AM	1716	0.0	OFF	1716	0	0.00	0	68.6	68.6	68.6
7-8 AM	2390	0.0	OFF	2390	0	0.00	0	67.8	67.8	67.8
8-9 AM	2390	0.0	OFF	2390	0	0.00	0	67.8	67.8	67.8
9-10 AM	2142	0.0	1499	1833	309	10.52+	281	68.1	16.8	30.9
10-11 AM	2256	0.0	1499	1500	756	16.32+	399	67.9	11.9	30.9
11AM-NOON	2431	0.0	1500	1500	931	16.31+	400	67.7	11.9	30.9
NOON-1PM	2701	0.0	1500	1500	1201	16.29+	400	67.4	11.9	30.9
1-2 PM	2858	0.0	1500	1500	1358	16.28+	400	67.2	11.9	30.9
2-3 PM	3253	0.0	1499	1500	1753	16.26+	400	66.7	11.9	30.9
3-4 PM	4046	0.0	1500	1500	2546	16.06+	400	63.2	11.9	30.9
4-5 PM	4437	0.0	OFF	4437	0	0.51	35	60.5	53.5	53.5
5-6 PM	4343	0.0	OFF	4343	0	0.00	0	61.2	61.2	61.2
6-7 PM	3013	0.0	OFF	3013	0	0.00	0	67.0	67.0	67.0
7-8 PM	1940	0.0	OFF	1940	0	0.00	0	68.3	68.3	68.3
8-9 PM	1502	0.0	OFF	1502	0	0.00	0	68.9	68.9	68.9
9-10 PM	1236	0.0	OFF	1236	0	0.00	0	69.2	69.2	69.2
10-11 PM	987	0.0	OFF	987	0	0.00	0	69.5	69.5	69.5
11PM-MID	715	0.0	OFF	715	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

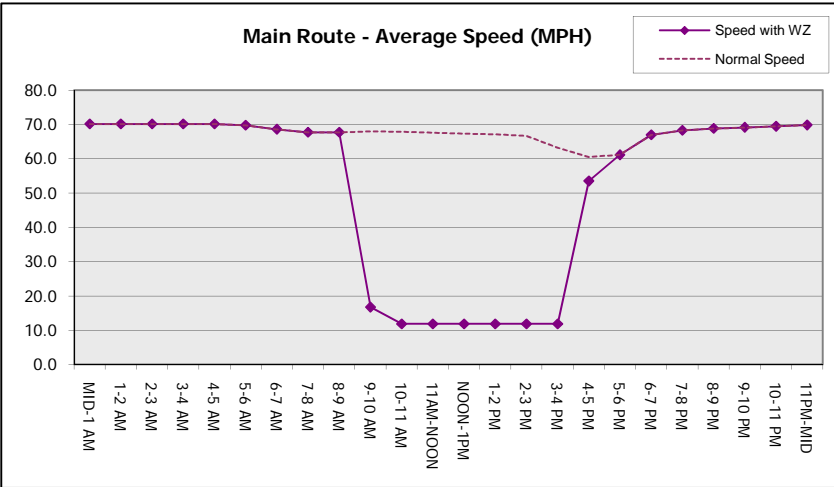
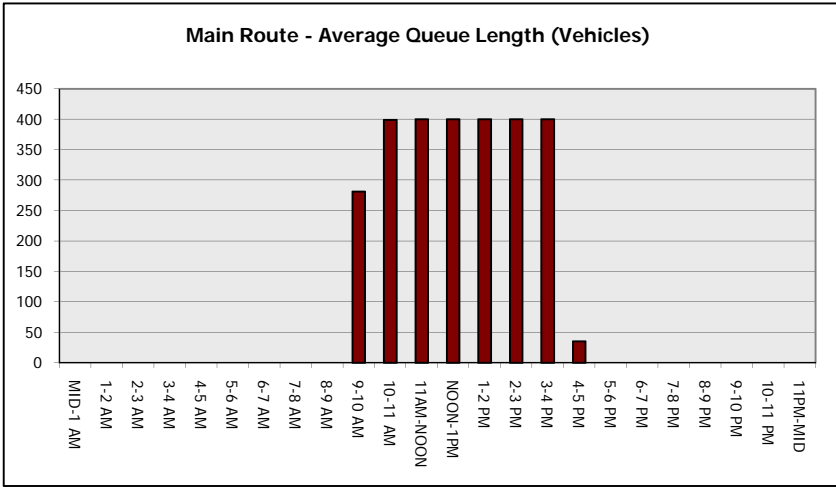
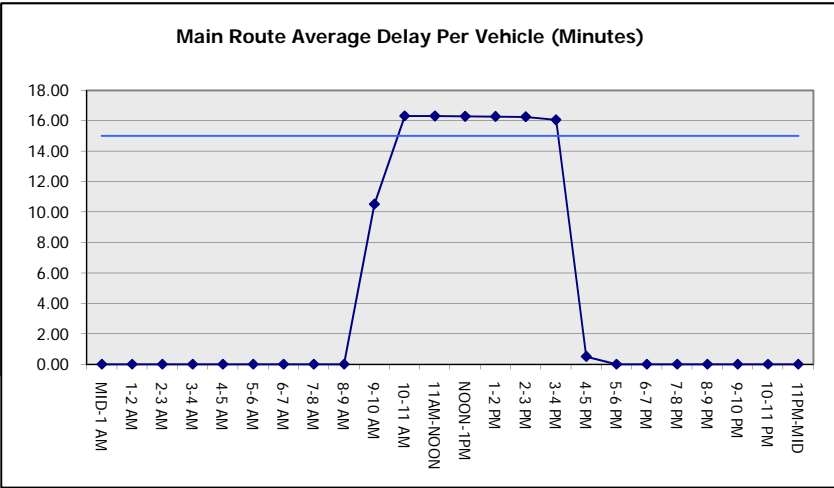
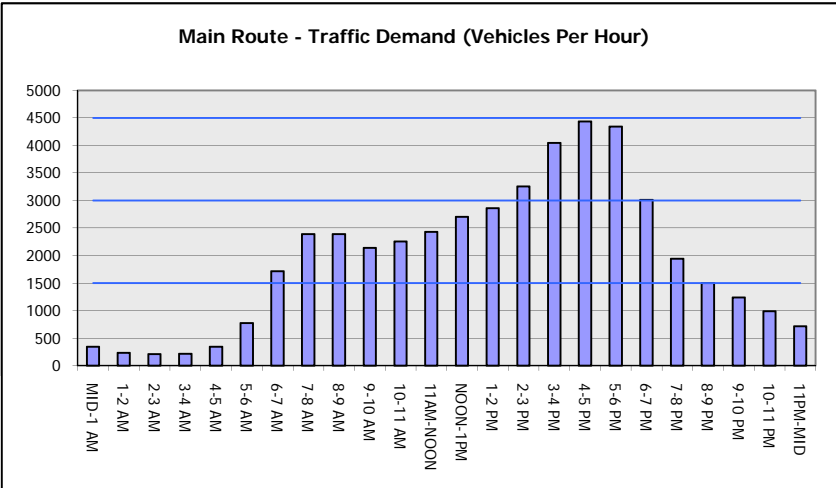
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0289
MAIN ROUTE WITH WORKS	0.0226
'DIVERSION'	0.0127
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$69,700
CONGESTED HOURS PER DAY*	7

\*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**  
**FRIDAY WESTBOUND DIRECTION**



<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>MAY</b>
	Analyzed for 2009 Construction Season

**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	261	0.0	OFF	261	0	0.00	0	70.2	70.2	70.2
1-2 AM	191	0.0	OFF	191	0	0.00	0	70.2	70.2	70.2
2-3 AM	220	0.0	OFF	220	0	0.00	0	70.2	70.2	70.2
3-4 AM	210	0.0	OFF	210	0	0.00	0	70.2	70.2	70.2
4-5 AM	373	0.0	OFF	373	0	0.00	0	70.2	70.2	70.2
5-6 AM	1298	0.0	OFF	1298	0	0.00	0	69.1	69.1	69.1
6-7 AM	2707	0.0	OFF	2707	0	0.00	0	67.4	67.4	67.4
7-8 AM	3648	0.0	OFF	3648	0	0.00	0	66.0	66.0	66.0
8-9 AM	2831	0.0	OFF	2831	0	0.00	0	67.2	67.2	67.2
9-10 AM	2134	0.0	1499	1873	261	11.21+	293	68.1	16.0	30.8
10-11 AM	1931	0.0	1500	1500	431	16.35+	400	68.3	11.9	30.8
11AM-NOON	2089	0.0	1500	1500	589	16.34+	400	68.1	11.9	30.8
NOON-1PM	2098	0.0	1500	1500	598	16.34+	400	68.1	11.9	30.8
1-2 PM	2251	0.0	1500	1500	751	16.33+	400	67.9	11.9	30.8
2-3 PM	2634	0.0	1500	1500	1134	16.31+	400	67.4	11.9	30.8
3-4 PM	2850	0.0	1500	1500	1350	16.29+	400	67.2	11.9	30.8
4-5 PM	2836	0.0	OFF	2836	0	0.24	21	67.2	62.8	62.8
5-6 PM	3023	0.0	OFF	3023	0	0.00	0	67.0	67.0	67.0
6-7 PM	2414	0.0	OFF	2414	0	0.00	0	67.8	67.8	67.8
7-8 PM	1798	0.0	OFF	1798	0	0.00	0	68.5	68.5	68.5
8-9 PM	1447	0.0	OFF	1447	0	0.00	0	68.9	68.9	68.9
9-10 PM	1148	0.0	OFF	1148	0	0.00	0	69.3	69.3	69.3
10-11 PM	1004	0.0	OFF	1004	0	0.00	0	69.5	69.5	69.5
11PM-MID	634	0.0	OFF	634	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	0.0261
MAIN ROUTE WITH WORKS	0.0222
'DIVERSION'	0.0074

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$56,436
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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**MAY**  
Analyzed for 2009  
Construction Season

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

