

IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	564	0.0	OFF	564	0	0.00	0	70.0	70.0	70.0
1-2 AM	320	0.0	OFF	320	0	0.00	0	70.2	70.2	70.2
2-3 AM	251	0.0	OFF	251	0	0.00	0	70.2	70.2	70.2
3-4 AM	211	0.0	OFF	211	0	0.00	0	70.2	70.2	70.2
4-5 AM	281	0.0	OFF	281	0	0.00	0	70.2	70.2	70.2
5-6 AM	544	0.0	OFF	544	0	0.00	0	70.0	70.0	70.0
6-7 AM	1097	0.0	OFF	1097	0	0.00	0	69.4	69.4	69.4
7-8 AM	1757	0.0	OFF	1757	0	0.00	0	68.6	68.6	68.6
8-9 AM	2453	0.0	1499	1905	547	11.67+	301	67.7	15.5	30.8
9-10 AM	2892	0.0	1500	1500	1392	16.29+	400	67.1	11.9	30.8
10-11 AM	3088	0.0	1500	1500	1588	16.28+	400	66.9	11.9	30.8
11AM-NOON	3063	0.0	1500	1500	1563	16.28+	400	66.9	11.9	30.8
NOON-1PM	3156	0.0	1500	1500	1656	16.27+	400	66.8	11.9	30.8
1-2 PM	2869	0.0	1500	1500	1369	16.29+	400	67.2	11.9	30.8
2-3 PM	2871	0.0	1500	1500	1371	16.29+	400	67.2	11.9	30.8
3-4 PM	2884	0.0	1500	1500	1384	16.29+	400	67.1	11.9	30.8
4-5 PM	2713	0.0	1500	1500	1213	16.30+	400	67.4	11.9	30.8
5-6 PM	2381	0.0	1500	1500	881	16.32+	400	67.8	11.9	30.8
6-7 PM	2038	0.0	OFF	2038	0	0.23	20	68.2	63.8	63.8
7-8 PM	1728	0.0	OFF	1728	0	0.00	0	68.6	68.6	68.6
8-9 PM	1554	0.0	OFF	1554	0	0.00	0	68.8	68.8	68.8
9-10 PM	1480	0.0	OFF	1480	0	0.00	0	68.9	68.9	68.9
10-11 PM	1389	0.0	OFF	1389	0	0.00	0	69.0	69.0	69.0
11PM-MID	1059	0.0	OFF	1059	0	0.00	0	69.4	69.4	69.4

"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

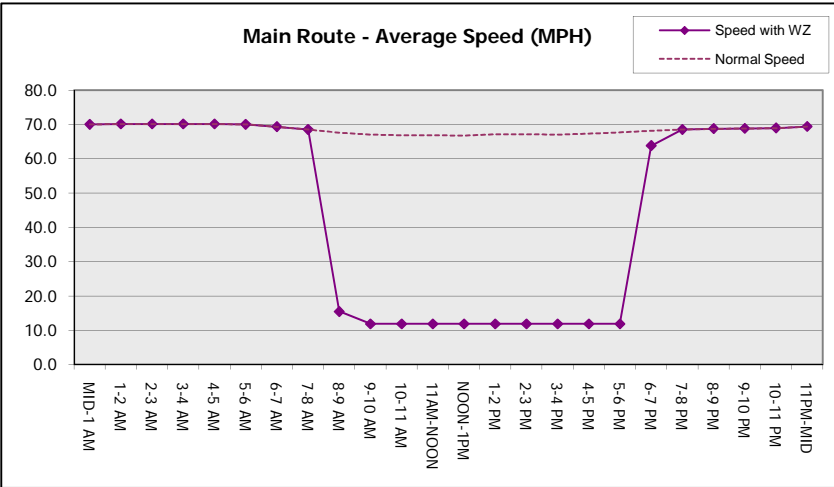
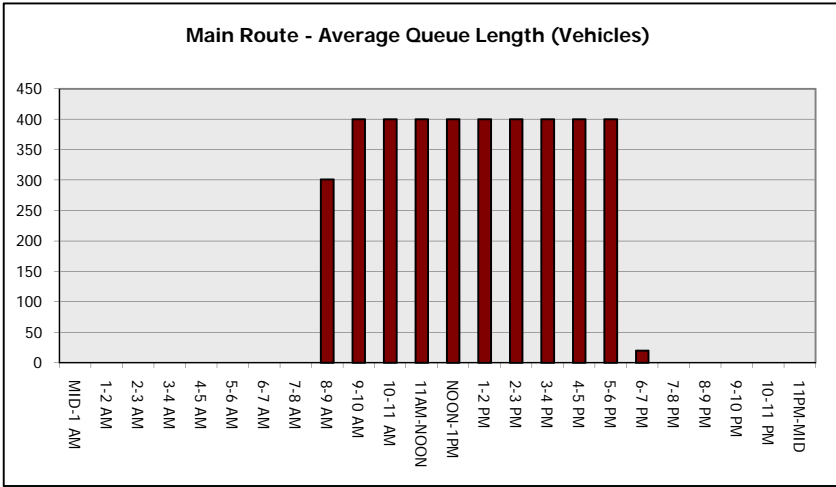
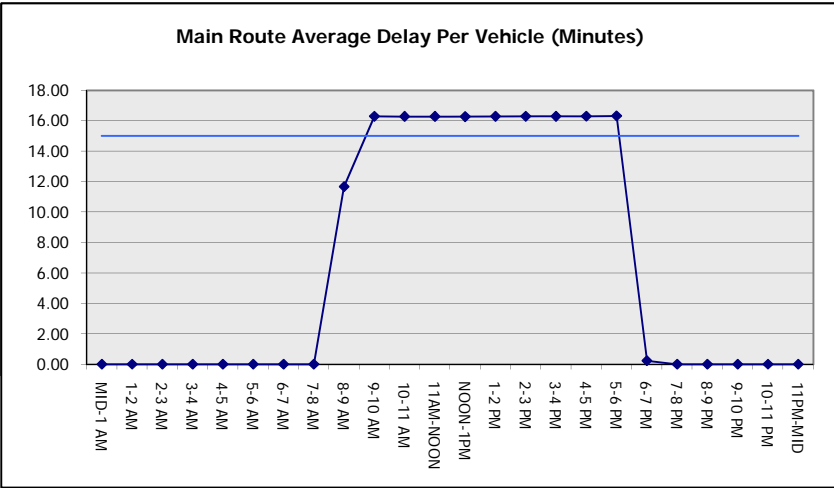
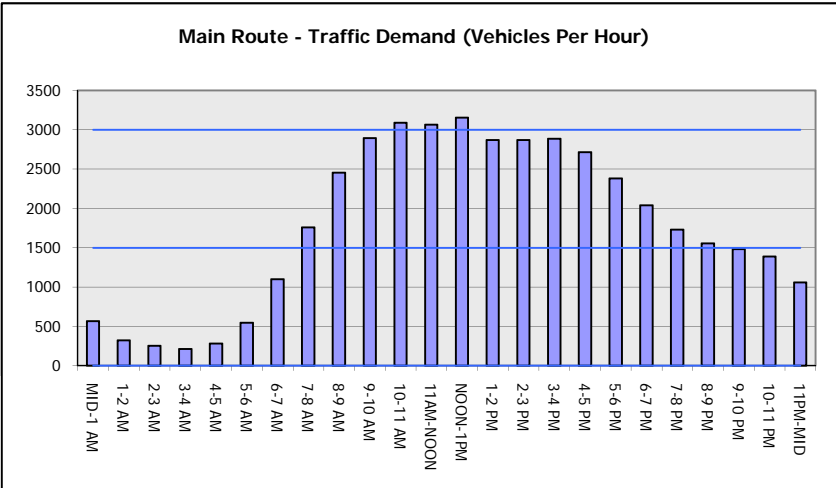
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0265
MAIN ROUTE WITH WORKS	0.0174
'DIVERSION'	0.0186
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$124,108
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	583	0.0	OFF	583	0	0.00	0	70.0	70.0	70.0
1-2 AM	320	0.0	OFF	320	0	0.00	0	70.2	70.2	70.2
2-3 AM	207	0.0	OFF	207	0	0.00	0	70.2	70.2	70.2
3-4 AM	196	0.0	OFF	196	0	0.00	0	70.2	70.2	70.2
4-5 AM	275	0.0	OFF	275	0	0.00	0	70.2	70.2	70.2
5-6 AM	459	0.0	OFF	459	0	0.00	0	70.2	70.2	70.2
6-7 AM	636	0.0	OFF	636	0	0.00	0	69.9	69.9	69.9
7-8 AM	1017	0.0	OFF	1017	0	0.00	0	69.5	69.5	69.5
8-9 AM	1460	0.0	1499	1460	0	1.36	11	68.9	49.2	32.8
9-10 AM	2088	0.0	1500	1850	238	10.00+	268	68.1	17.4	30.8
10-11 AM	2550	0.0	1499	1500	1050	16.31+	399	67.6	11.9	30.8
11AM-NOON	2639	0.0	1500	1500	1139	16.31+	400	67.4	11.9	30.8
NOON-1PM	2922	0.0	1500	1500	1422	16.29+	400	67.1	11.9	30.8
1-2 PM	2971	0.0	1500	1500	1471	16.28+	400	67.1	11.9	30.8
2-3 PM	2883	0.0	1500	1500	1383	16.29+	400	67.1	11.9	30.8
3-4 PM	2097	0.0	1500	1500	597	16.34+	400	68.1	11.9	30.8
4-5 PM	3478	0.0	1500	1500	1978	16.25+	400	66.4	11.9	30.8
5-6 PM	2863	0.0	1500	1500	1363	16.29+	400	67.2	11.9	30.8
6-7 PM	2300	0.0	OFF	2300	0	0.24	21	67.9	63.5	63.5
7-8 PM	1873	0.0	OFF	1873	0	0.00	0	68.4	68.4	68.4
8-9 PM	1760	0.0	OFF	1760	0	0.00	0	68.6	68.6	68.6
9-10 PM	1584	0.0	OFF	1584	0	0.00	0	68.7	68.7	68.7
10-11 PM	1325	0.0	OFF	1325	0	0.00	0	69.1	69.1	69.1
11PM-MID	1039	0.0	OFF	1039	0	0.00	0	69.4	69.4	69.4

"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	0.0245
MAIN ROUTE WITH WORKS	0.0169
'DIVERSION'	0.0153

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$106,821
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

