

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

SUNDAY 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	661	0.0	OFF	661	0	0.00	0	69.9	69.9	69.9	
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	140	0.0	OFF	140	0	0.00	0	70.2	70.2	70.2	
4-5 AM	130	0.0	OFF	130	0	0.00	0	70.2	70.2	70.2	
5-6 AM	241	0.0	OFF	241	0	0.00	0	70.2	70.2	70.2	
6-7 AM	538	0.0	OFF	538	0	0.00	0	70.0	70.0	70.0	
7-8 AM	920	0.0	OFF	920	0	0.00	0	69.6	69.6	69.6	
8-9 AM	1493	0.0	OFF	1493	0	0.00	0	68.9	68.9	68.9	
9-10 AM	1924	0.0	1499	1924	0	6.43	179	68.4	23.7	30.8	
10-11 AM	2526	0.0	1499	1500	1026	16.31+	399	67.6	11.9	30.8	
11AM-NOON	2892	0.0	1500	1500	1392	16.29+	400	67.1	11.9	30.8	
NOON-1PM	2961	0.0	1500	1500	1461	16.28+	400	67.1	11.9	30.8	
1-2 PM	2764	0.0	1500	1500	1264	16.30+	400	67.3	11.9	30.8	
2-3 PM	2995	0.0	1500	1500	1495	16.28+	400	67.0	11.9	30.8	
3-4 PM	2837	0.0	1500	1500	1337	16.29+	400	67.2	11.9	30.8	
4-5 PM	2716	0.0	1500	1500	1216	16.30+	400	67.4	11.9	30.8	
5-6 PM	2308	0.0	1500	1500	808	16.33+	400	67.9	11.9	30.8	
6-7 PM	1927	0.0	1500	1500	427	16.35+	400	68.3	11.9	30.8	
7-8 PM	1714	0.0	OFF	1714	0	0.24	21	68.6	64.1	64.1	
8-9 PM	1328	0.0	OFF	1328	0	0.00	0	69.1	69.1	69.1	
9-10 PM	1160	0.0	OFF	1160	0	0.00	0	69.3	69.3	69.3	
10-11 PM	754	0.0	OFF	754	0	0.00	0	69.8	69.8	69.8	
11PM-MID	490	0.0	OFF	490	0	0.00	0	70.1	70.1	70.1	

"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

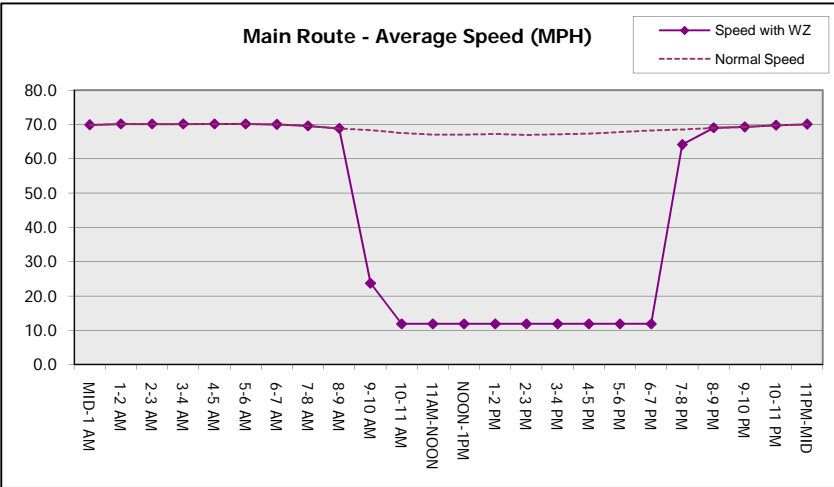
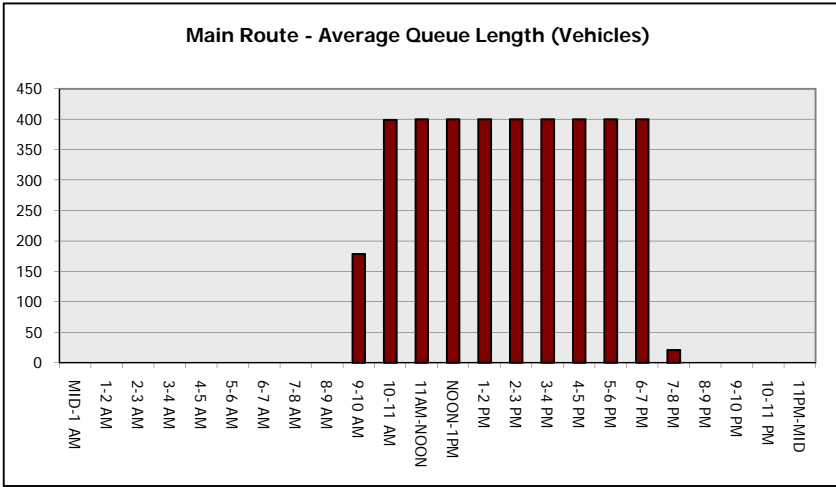
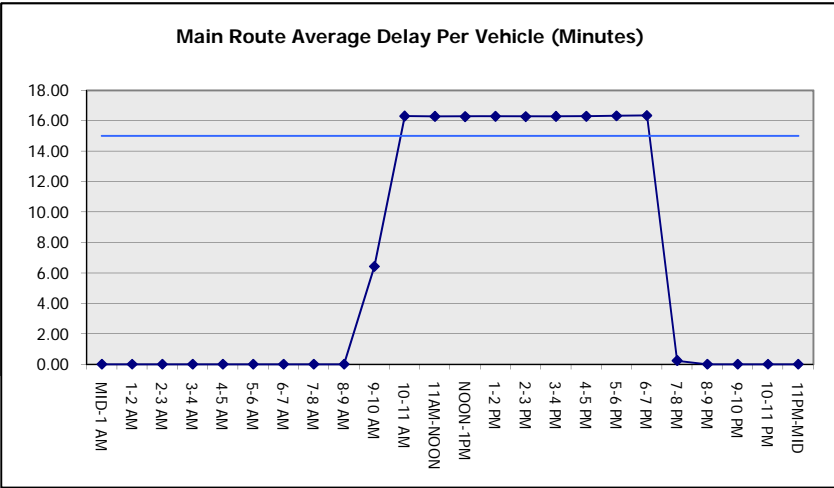
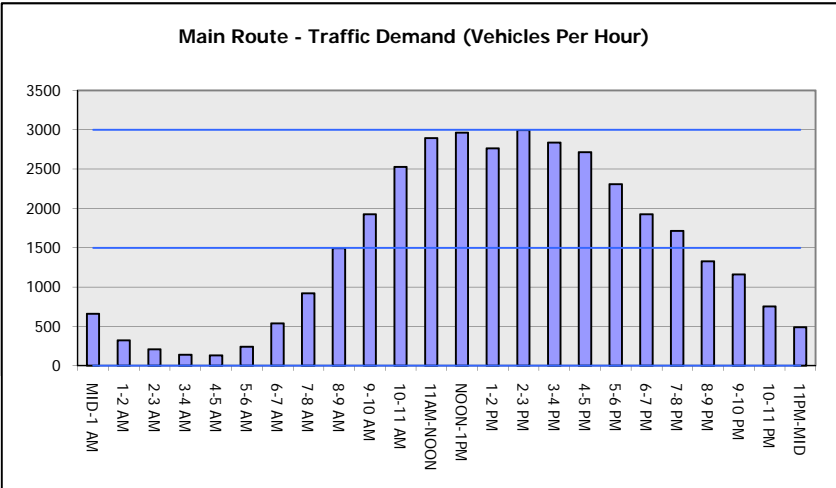
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0223
MAIN ROUTE WITH WORKS	0.0148
'DIVERSION'	0.0150
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$111,281
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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

SUNDAY 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	818	0.0	OFF	818	0	0.00	0	69.7	69.7	69.7
1-2 AM	519	0.0	OFF	519	0	0.00	0	70.1	70.1	70.1
2-3 AM	300	0.0	OFF	300	0	0.00	0	70.2	70.2	70.2
3-4 AM	195	0.0	OFF	195	0	0.00	0	70.2	70.2	70.2
4-5 AM	240	0.0	OFF	240	0	0.00	0	70.2	70.2	70.2
5-6 AM	238	0.0	OFF	238	0	0.00	0	70.2	70.2	70.2
6-7 AM	376	0.0	OFF	376	0	0.00	0	70.2	70.2	70.2
7-8 AM	558	0.0	OFF	558	0	0.00	0	70.0	70.0	70.0
8-9 AM	1008	0.0	OFF	1008	0	0.00	0	69.5	69.5	69.5
9-10 AM	1622	0.0	1499	1622	0	2.11	36	68.7	42.5	31.3
10-11 AM	2367	0.0	1500	1834	533	14.29+	359	67.8	13.2	31.4
11AM-NOON	2961	0.0	1499	1500	1461	16.27+	399	67.1	11.9	31.1
NOON-1PM	3285	0.0	1500	1500	1785	16.25+	400	66.6	11.9	31.1
1-2 PM	3378	0.0	1500	1500	1878	16.24+	400	66.5	11.9	31.1
2-3 PM	3288	0.0	1500	1500	1788	16.25+	400	66.6	11.9	31.1
3-4 PM	3387	0.0	1500	1500	1887	16.24+	400	66.5	11.9	31.1
4-5 PM	3465	0.0	1500	1500	1965	16.24+	400	66.4	11.9	31.1
5-6 PM	3354	0.0	1500	1500	1854	16.24+	400	66.6	11.9	31.1
6-7 PM	2930	0.0	1500	1500	1430	16.27+	400	67.1	11.9	31.1
7-8 PM	2893	0.0	OFF	2893	0	0.40	37	67.1	60.2	60.2
8-9 PM	2660	0.0	OFF	2660	0	0.00	0	67.4	67.4	67.4
9-10 PM	1750	0.0	OFF	1750	0	0.00	0	68.6	68.6	68.6
10-11 PM	1159	0.0	OFF	1159	0	0.00	0	69.3	69.3	69.3
11PM-MID	579	0.0	OFF	579	0	0.00	0	70.0	70.0	70.0

"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	0.0269
MAIN ROUTE WITH WORKS	0.0168
'DIVERSION'	0.0210

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$127,547
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

