

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) OFF-PEAK DAY 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	751	0.0	OFF	751	0	0.00	0	69.8	69.8	69.8	
1-2 AM	677	0.0	OFF	677	0	0.00	0	69.9	69.9	69.9	
2-3 AM	621	0.0	OFF	621	0	0.00	0	70.0	70.0	70.0	
3-4 AM	449	0.0	OFF	449	0	0.00	0	70.2	70.2	70.2	
4-5 AM	538	0.0	OFF	538	0	0.00	0	70.0	70.0	70.0	
5-6 AM	667	0.0	OFF	667	0	0.00	0	69.9	69.9	69.9	
6-7 AM	1041	0.0	OFF	1041	0	0.00	0	69.4	69.4	69.4	
7-8 AM	1143	0.0	OFF	1143	0	0.00	0	69.3	69.3	69.3	
8-9 AM	2423	0.0	3000	2423	0	0.35	0	67.8	60.1	48.7	
9-10 AM	2113	0.0	3000	2113	0	0.33	0	68.1	60.7	49.7	
10-11 AM	2264	0.0	2999	2264	0	0.35	0	67.9	60.2	48.8	
11AM-NOON	3629	0.0	2999	3629	0	4.15	248	66.1	26.7	37.3	
NOON-1PM	4364	0.0	2999	3236	1127	15.83+	851	61.0	11.7	37.3	
1-2 PM	3542	0.0	3000	2996	546	16.12+	849	66.3	11.7	37.3	
2-3 PM	2530	0.0	2999	2530	0	11.29+	595	67.6	14.0	37.3	
3-4 PM	4503	0.0	3000	3578	924	14.53+	795	60.1	12.2	37.3	
4-5 PM	4097	0.0	2999	2909	1187	16.19+	864	62.8	11.6	37.3	
5-6 PM	3673	0.0	2999	2992	681	16.10+	850	65.8	11.7	37.3	
6-7 PM	3162	0.0	OFF	3162	0	1.49	133	66.8	43.5	43.5	
7-8 PM	2647	0.0	OFF	2647	0	0.00	0	67.4	67.4	67.4	
8-9 PM	2410	0.0	OFF	2410	0	0.00	0	67.8	67.8	67.8	
9-10 PM	3079	0.0	OFF	3079	0	0.00	0	66.9	66.9	66.9	
10-11 PM	2166	0.0	OFF	2166	0	0.00	0	68.1	68.1	68.1	
11PM-MID	968	0.0	OFF	968	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	0.0
(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	0
(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	0.0264
MAIN ROUTE WITH WORKS	0.0223
'DIVERSION'	0.0051
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$99,382
CONGESTED HOURS PER DAY*	6

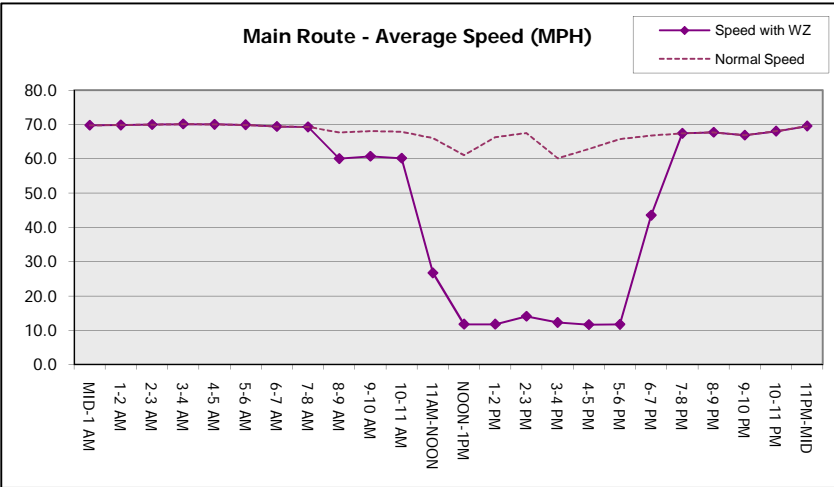
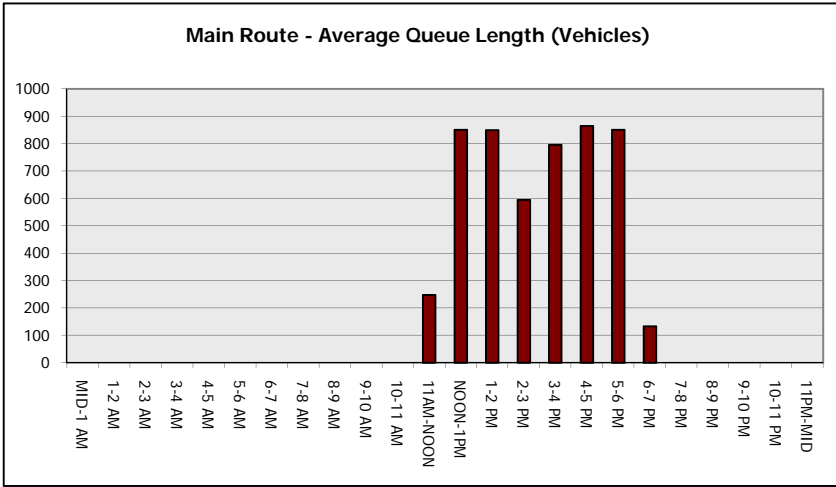
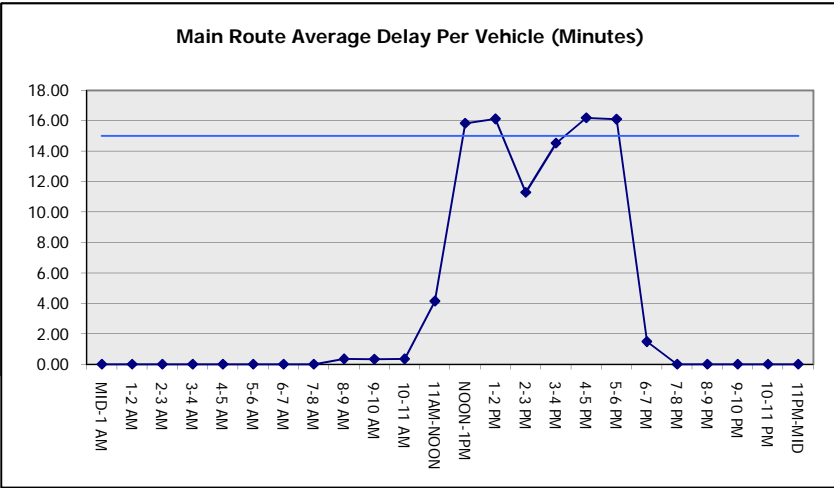
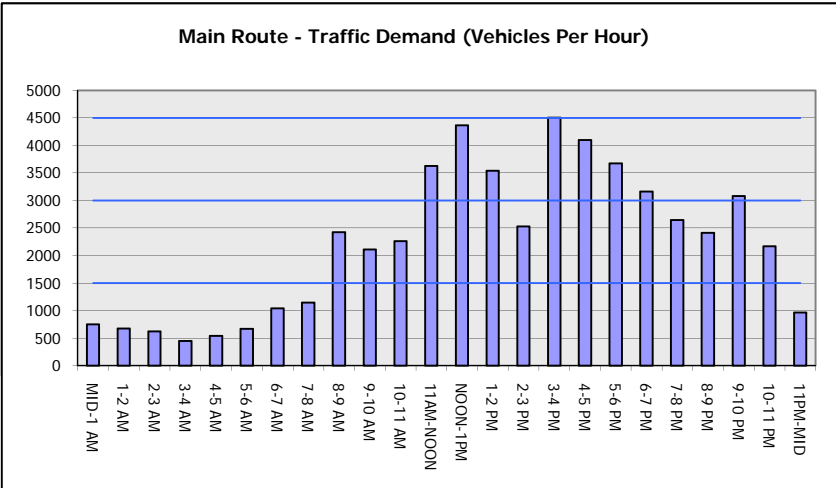
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



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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	525	0.0	OFF	525	0	0.00	0	70.1	70.1	70.1
1-2 AM	480	0.0	OFF	480	0	0.00	0	70.1	70.1	70.1
2-3 AM	344	0.0	OFF	344	0	0.00	0	70.2	70.2	70.2
3-4 AM	300	0.0	OFF	300	0	0.00	0	70.2	70.2	70.2
4-5 AM	476	0.0	OFF	476	0	0.00	0	70.1	70.1	70.1
5-6 AM	599	0.0	OFF	599	0	0.00	0	70.0	70.0	70.0
6-7 AM	831	0.0	OFF	831	0	0.00	0	69.7	69.7	69.7
7-8 AM	902	0.0	OFF	902	0	0.00	0	69.6	69.6	69.6
8-9 AM	2130	0.0	3000	2130	0	0.33	0	68.1	60.7	49.7
9-10 AM	1973	0.0	3000	1973	0	0.34	0	68.3	60.8	49.7
10-11 AM	2227	0.0	2999	2227	0	0.36	0	67.9	60.1	48.6
11AM-NOON	3955	0.0	2999	3955	0	6.33	408	63.8	20.9	37.3
NOON-1PM	4420	0.0	2999	2917	1504	16.20+	872	60.7	11.6	37.3
1-2 PM	3666	0.0	3000	2994	672	16.10+	850	65.8	11.7	37.3
2-3 PM	2659	0.0	2999	2659	0	12.69+	664	67.4	13.1	37.3
3-4 PM	4634	0.0	3000	3388	1246	15.27+	830	59.2	11.9	37.3
4-5 PM	4529	0.0	2999	2963	1566	16.25+	877	59.9	11.6	37.3
5-6 PM	4105	0.0	3000	2984	1120	16.04+	856	62.8	11.7	37.3
6-7 PM	3602	0.0	OFF	3602	0	1.81	154	66.3	40.2	40.2
7-8 PM	3025	0.0	OFF	3025	0	0.00	0	66.9	66.9	66.9
8-9 PM	2689	0.0	OFF	2689	0	0.00	0	67.4	67.4	67.4
9-10 PM	2784	0.0	OFF	2784	0	0.00	0	67.3	67.3	67.3
10-11 PM	1996	0.0	OFF	1996	0	0.00	0	68.2	68.2	68.2
11PM-MID	650	0.0	OFF	650	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	0.0
(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	0
(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	0.0264
MAIN ROUTE WITH WORKS	0.0215
'DIVERSION'	0.0070

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$110,342
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

