

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) NIGHTTIME 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	751	0.0	1500	751	0	0.56	0	69.8	57.7	42.6	
1-2 AM	677	0.0	1500	677	0	0.55	0	69.9	57.9	42.8	
2-3 AM	621	0.0	1500	621	0	0.55	0	70.0	58.1	43.0	
3-4 AM	449	0.0	1500	449	0	0.53	0	70.2	58.5	43.7	
4-5 AM	538	0.0	1500	538	0	0.54	0	70.0	58.2	43.3	
5-6 AM	667	0.0	1500	667	0	0.55	0	69.9	57.9	42.8	
6-7 AM	1041	0.0	1500	1041	0	0.59	0	69.4	56.9	41.5	
7-8 AM	1143	0.0	1499	1143	0	0.71	0	69.3	54.7	38.4	
8-9 AM	2423	0.0	OFF	2423	0	0.00	0	67.8	67.8	67.8	
9-10 AM	2113	0.0	OFF	2113	0	0.00	0	68.1	68.1	68.1	
10-11 AM	2264	0.0	OFF	2264	0	0.00	0	67.9	67.9	67.9	
11AM-NOON	3629	0.0	OFF	3629	0	0.00	0	66.1	66.1	66.1	
NOON-1PM	4364	0.0	OFF	4364	0	0.00	0	61.0	61.0	61.0	
1-2 PM	3542	0.0	OFF	3542	0	0.00	0	66.3	66.3	66.3	
2-3 PM	2530	0.0	OFF	2530	0	0.00	0	67.6	67.6	67.6	
3-4 PM	4503	0.0	OFF	4503	0	0.00	0	60.1	60.1	60.1	
4-5 PM	4097	0.0	OFF	4097	0	0.00	0	62.8	62.8	62.8	
5-6 PM	3673	0.0	OFF	3673	0	0.00	0	65.8	65.8	65.8	
6-7 PM	3162	0.0	1499	1550	1612	16.49+	412	66.8	9.6	36.6	
7-8 PM	2647	0.0	1499	1635	1012	13.90+	367	67.4	11.2	35.7	
8-9 PM	2410	0.0	1499	1760	649	15.03+	374	67.8	10.4	31.8	
9-10 PM	3079	0.0	1499	1500	1579	16.30+	399	66.9	9.7	30.8	
10-11 PM	2166	0.0	1500	1491	675	16.31+	399	68.1	9.7	30.8	
11PM-MID	968	0.0	1499	968	0	5.64+	220	69.6	22.4	36.5	

"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	0.0264
MAIN ROUTE WITH WORKS	0.0227
'DIVERSION'	0.0063
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,006
CONGESTED HOURS PER DAY*	6

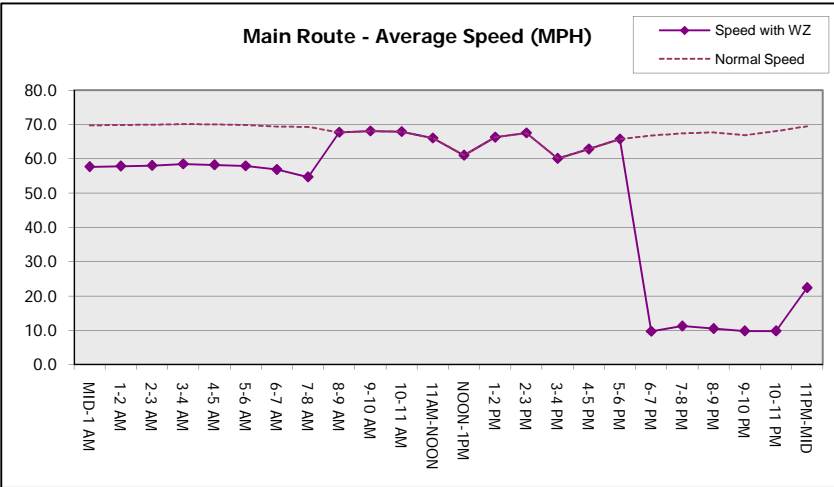
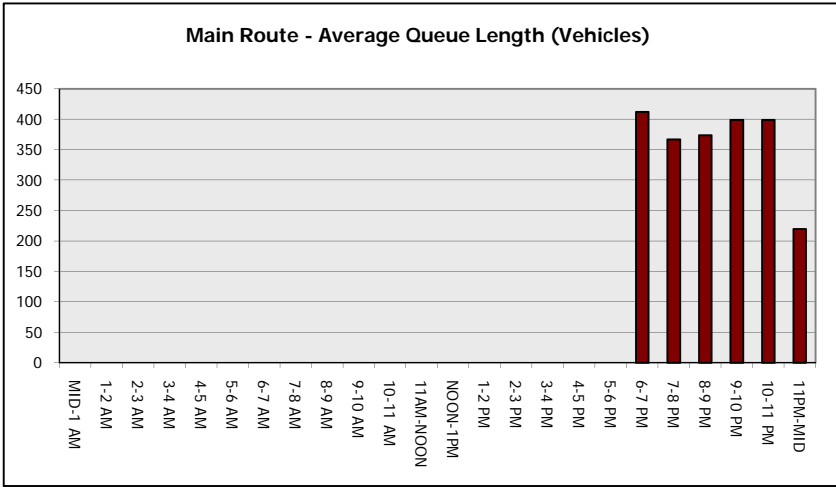
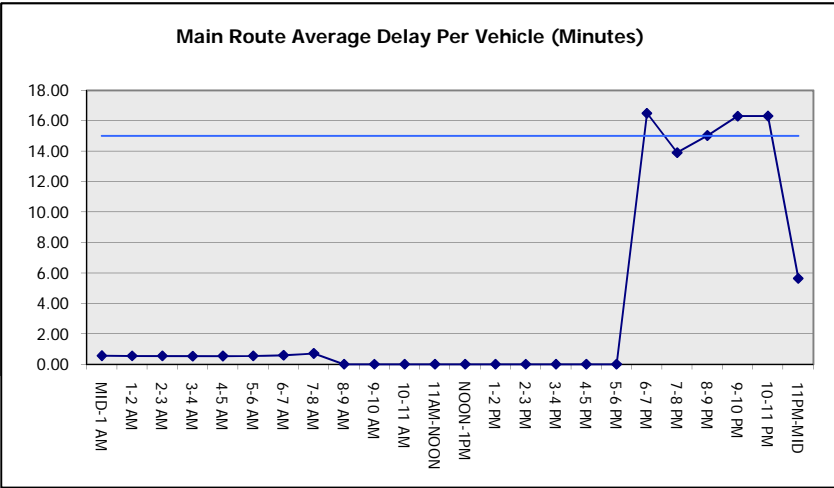
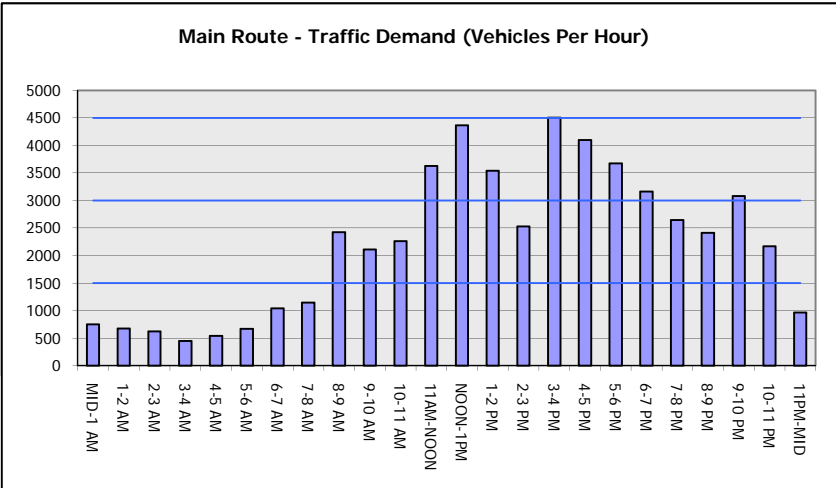
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



IH 94: CTH 0 TO STH 100 (WAUKESHA COUNTY) NIGHTTIME 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	525	0.0	1500	525	0	0.54	0	70.1	58.3	43.4
1-2 AM	480	0.0	1500	480	0	0.53	0	70.1	58.4	43.6
2-3 AM	344	0.0	1500	344	0	0.51	0	70.2	58.7	44.1
3-4 AM	300	0.0	1500	300	0	0.51	0	70.2	58.9	44.3
4-5 AM	476	0.0	1500	476	0	0.53	0	70.1	58.4	43.6
5-6 AM	599	0.0	1500	599	0	0.54	0	70.0	58.1	43.2
6-7 AM	831	0.0	1500	831	0	0.57	0	69.7	57.4	42.3
7-8 AM	902	0.0	1499	902	0	0.58	0	69.6	57.3	42.0
8-9 AM	2130	0.0	OFF	2130	0	0.00	0	68.1	68.1	68.1
9-10 AM	1973	0.0	OFF	1973	0	0.00	0	68.3	68.3	68.3
10-11 AM	2227	0.0	OFF	2227	0	0.00	0	67.9	67.9	67.9
11AM-NOON	3955	0.0	OFF	3955	0	0.00	0	63.8	63.8	63.8
NOON-1PM	4420	0.0	OFF	4420	0	0.00	0	60.7	60.7	60.7
1-2 PM	3666	0.0	OFF	3666	0	0.00	0	65.8	65.8	65.8
2-3 PM	2659	0.0	OFF	2659	0	0.00	0	67.4	67.4	67.4
3-4 PM	4634	0.0	OFF	4634	0	0.00	0	59.2	59.2	59.2
4-5 PM	4529	0.0	OFF	4529	0	0.00	0	59.9	59.9	59.9
5-6 PM	4105	0.0	OFF	4105	0	0.00	0	62.8	62.8	62.8
6-7 PM	3602	0.0	1499	1550	2052	16.47+	412	66.3	9.6	36.6
7-8 PM	3025	0.0	1499	1606	1419	14.31+	379	66.9	10.9	36.0
8-9 PM	2689	0.0	1499	1807	882	15.04+	376	67.4	10.4	32.0
9-10 PM	2784	0.0	1499	1500	1284	16.31+	399	67.3	9.7	30.8
10-11 PM	1996	0.0	1500	1419	577	16.03+	392	68.2	9.9	30.8
11PM-MID	650	0.0	1499	650	0	2.31	108	69.9	37.4	41.7

"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	0.0264
MAIN ROUTE WITH WORKS	0.0225
'DIVERSION'	0.0071

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$59,276
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

