

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	1038	0.0	1499	1038	0	4.52	169	69.4	25.8	36.5
1-2 AM	572	0.0	1500	572	0	0.54	0	70.0	58.2	43.2
2-3 AM	588	0.0	1500	588	0	0.54	0	70.0	58.1	43.2
3-4 AM	421	0.0	1500	421	0	0.52	0	70.2	58.6	43.8
4-5 AM	477	0.0	1500	477	0	0.53	0	70.1	58.4	43.6
5-6 AM	853	0.0	1500	853	0	0.57	0	69.7	57.4	42.2
6-7 AM	1689	0.0	1499	1689	0	2.35	52	68.6	36.8	31.2
7-8 AM	2673	0.0	1499	1749	924	15.48+	382	67.4	10.2	30.8
8-9 AM	3331	0.0	OFF	3331	0	0.46	39	66.6	57.1	57.1
9-10 AM	2615	0.0	OFF	2615	0	0.00	0	67.5	67.5	67.5
10-11 AM	2907	0.0	OFF	2907	0	0.00	0	67.1	67.1	67.1
11AM-NOON	4375	0.0	OFF	4375	0	0.00	0	61.0	61.0	61.0
NOON-1PM	4418	0.0	OFF	4418	0	0.00	0	60.7	60.7	60.7
1-2 PM	3366	0.0	OFF	3366	0	0.00	0	66.6	66.6	66.6
2-3 PM	1980	0.0	OFF	1980	0	0.00	0	68.2	68.2	68.2
3-4 PM	2817	0.0	OFF	2817	0	0.00	0	67.3	67.3	67.3
4-5 PM	4391	0.0	OFF	4391	0	0.00	0	60.9	60.9	60.9
5-6 PM	3709	0.0	OFF	3709	0	0.00	0	65.5	65.5	65.5
6-7 PM	2977	0.0	1499	1550	1427	16.50+	412	67.0	9.6	36.6
7-8 PM	1679	0.0	1499	1679	0	7.94	188	68.6	17.5	30.8
8-9 PM	1410	0.0	1499	1410	0	6.24	139	69.0	20.8	31.5
9-10 PM	3114	0.0	1500	1882	1232	15.19+	382	66.9	10.4	32.2
10-11 PM	2285	0.0	1499	1408	878	15.97+	392	67.9	9.9	32.2
11PM-MID	1560	0.0	1499	1432	127	16.08+	392	68.8	9.9	30.8

"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	0.0273
MAIN ROUTE WITH WORKS	0.0239
'DIVERSION'	0.0052
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,470
CONGESTED HOURS PER DAY*	5

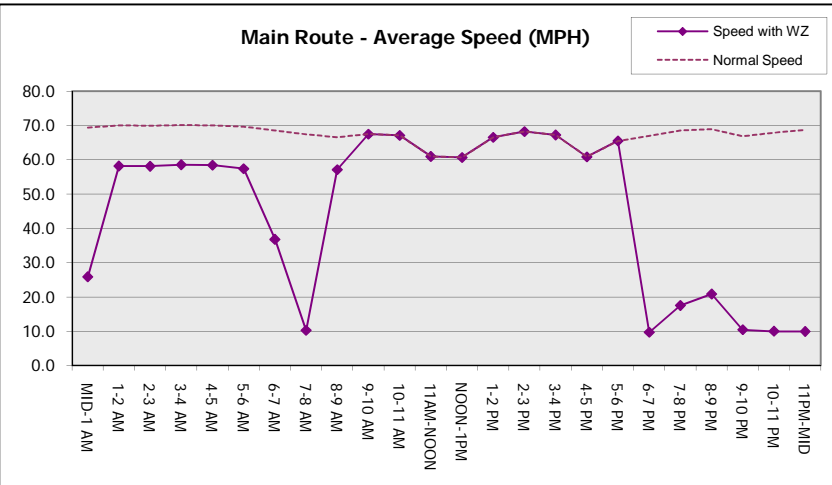
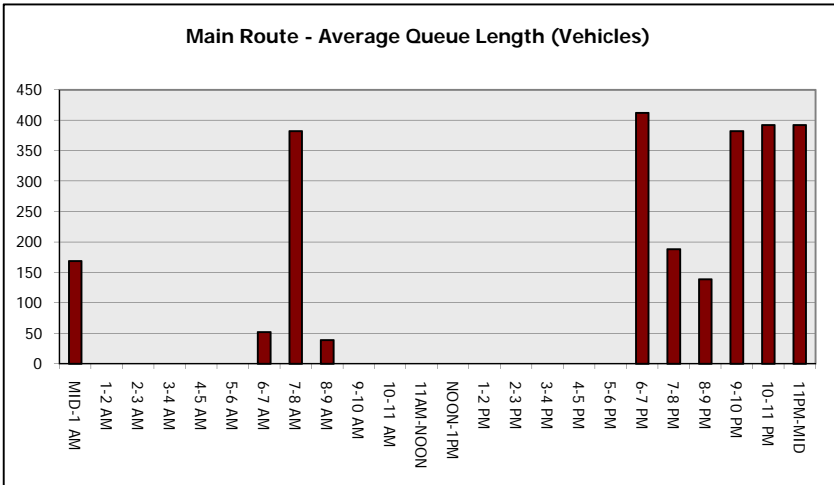
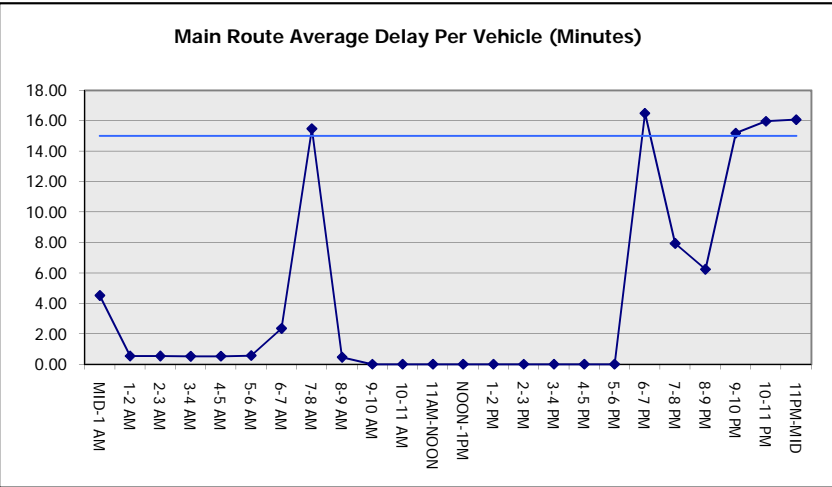
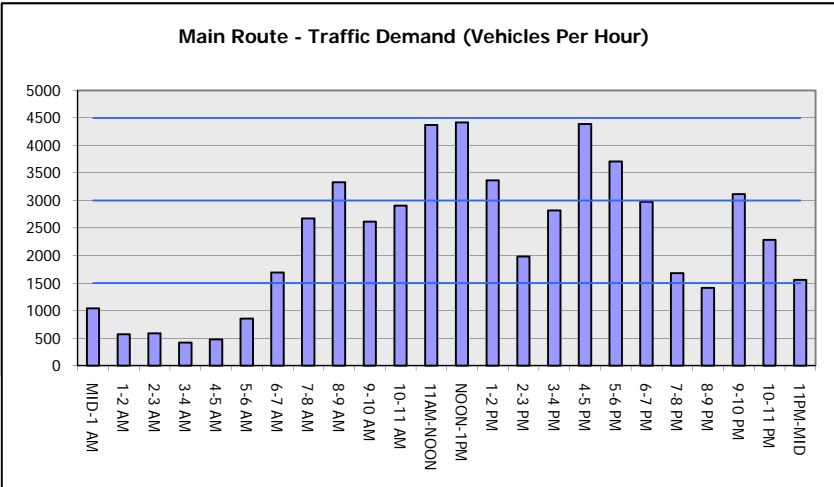
*Delays Exceeding User-Specified Maximum

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NIGHTTIME 2 LANE CLOSURE
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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)	MAY
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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	1052	0.0	1499	1052	0	5.42	193	69.4	23.0	36.1
1-2 AM	421	0.0	1500	421	0	0.52	0	70.2	58.6	43.8
2-3 AM	378	0.0	1500	378	0	0.52	0	70.2	58.7	44.0
3-4 AM	308	0.0	1500	308	0	0.51	0	70.2	58.9	44.3
4-5 AM	345	0.0	1500	345	0	0.51	0	70.2	58.7	44.1
5-6 AM	725	0.0	1500	725	0	0.56	0	69.9	57.8	42.7
6-7 AM	1322	0.0	1499	1322	0	0.85	0	69.1	52.5	35.4
7-8 AM	1990	0.0	1499	1990	0	6.96	205	68.2	19.2	30.8
8-9 AM	2579	0.0	OFF	2579	0	0.38	35	67.5	59.4	59.4
9-10 AM	2146	0.0	OFF	2146	0	0.00	0	68.1	68.1	68.1
10-11 AM	2567	0.0	OFF	2567	0	0.00	0	67.6	67.6	67.6
11AM-NOON	4002	0.0	OFF	4002	0	0.00	0	63.5	63.5	63.5
NOON-1PM	4141	0.0	OFF	4141	0	0.00	0	62.5	62.5	62.5
1-2 PM	3252	0.0	OFF	3252	0	0.00	0	66.7	66.7	66.7
2-3 PM	2196	0.0	OFF	2196	0	0.00	0	68.0	68.0	68.0
3-4 PM	3138	0.0	OFF	3138	0	0.00	0	66.8	66.8	66.8
4-5 PM	4877	0.0	OFF	4877	0	0.00	0	57.5	57.5	57.5
5-6 PM	4401	0.0	OFF	4401	0	0.00	0	60.8	60.8	60.8
6-7 PM	3357	0.0	1499	1550	1807	16.48+	412	66.6	9.6	36.6
7-8 PM	2008	0.0	1499	1868	140	12.22+	316	68.2	12.4	30.8
8-9 PM	1536	0.0	1499	1481	55	16.02+	390	68.8	9.9	30.8
9-10 PM	2782	0.0	1499	1500	1282	16.31+	400	67.3	9.7	30.8
10-11 PM	2183	0.0	1500	1500	683	16.34+	400	68.0	9.7	30.8
11PM-MID	1598	0.0	1500	1478	119	16.14+	393	68.7	9.9	30.8

"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	0.0263
MAIN ROUTE WITH WORKS	0.0232
'DIVERSION'	0.0047

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,678
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

