

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

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	943	0.0	1500	943	0	0.58	0	69.6	57.1	41.9	
1-2 AM	635	0.0	1500	635	0	0.55	0	69.9	58.0	43.0	
2-3 AM	602	0.0	1500	602	0	0.54	0	70.0	58.1	43.1	
3-4 AM	331	0.0	1500	331	0	0.51	0	70.2	58.8	44.2	
4-5 AM	280	0.0	1500	280	0	0.51	0	70.2	58.9	44.3	
5-6 AM	462	0.0	1500	462	0	0.53	0	70.2	58.5	43.7	
6-7 AM	846	0.0	1500	846	0	0.57	0	69.7	57.4	42.2	
7-8 AM	1340	0.0	1499	1340	0	0.88	0	69.1	52.0	34.7	
8-9 AM	1778	0.0	1499	1778	0	3.80	96	68.5	28.6	30.8	
9-10 AM	2695	0.0	OFF	2695	0	0.13	11	67.4	64.3	64.3	
10-11 AM	3031	0.0	OFF	3031	0	0.00	0	66.9	66.9	66.9	
11AM-NOON	3080	0.0	OFF	3080	0	0.00	0	66.9	66.9	66.9	
NOON-1PM	3584	0.0	OFF	3584	0	0.00	0	66.3	66.3	66.3	
1-2 PM	3922	0.0	OFF	3922	0	0.00	0	64.1	64.1	64.1	
2-3 PM	3632	0.0	OFF	3632	0	0.00	0	66.1	66.1	66.1	
3-4 PM	3864	0.0	OFF	3864	0	0.00	0	64.5	64.5	64.5	
4-5 PM	3898	0.0	OFF	3898	0	0.00	0	64.2	64.2	64.2	
5-6 PM	3746	0.0	OFF	3746	0	0.00	0	65.3	65.3	65.3	
6-7 PM	2910	0.0	OFF	2910	0	0.00	0	67.1	67.1	67.1	
7-8 PM	2171	0.0	1499	1907	265	11.67+	301	68.1	12.9	30.8	
8-9 PM	1774	0.0	1500	1500	274	16.36+	400	68.6	9.7	30.8	
9-10 PM	1241	0.0	1499	1241	0	11.91+	298	69.2	12.7	31.5	
10-11 PM	1080	0.0	1500	1080	0	1.41	31	69.4	45.5	39.2	
11PM-MID	655	0.0	1500	655	0	0.55	0	69.9	57.9	42.9	

"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 (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	0.0239
MAIN ROUTE WITH WORKS	0.0228
'DIVERSION'	0.0006
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$21,320
CONGESTED HOURS PER DAY*	3

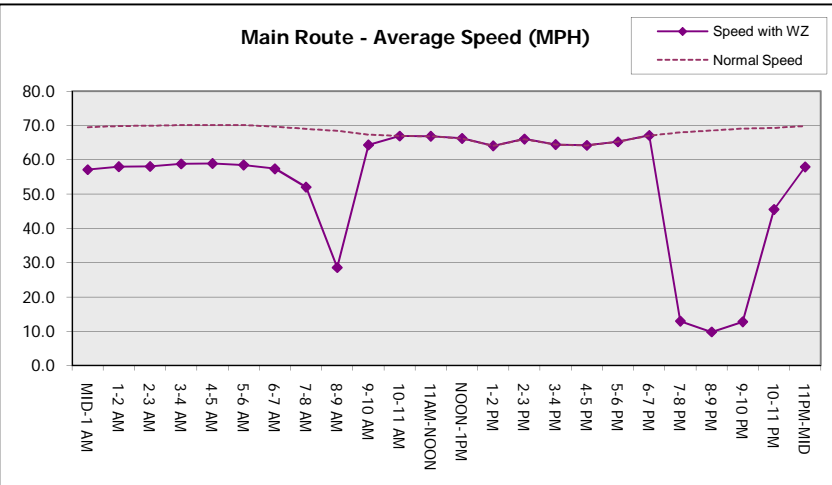
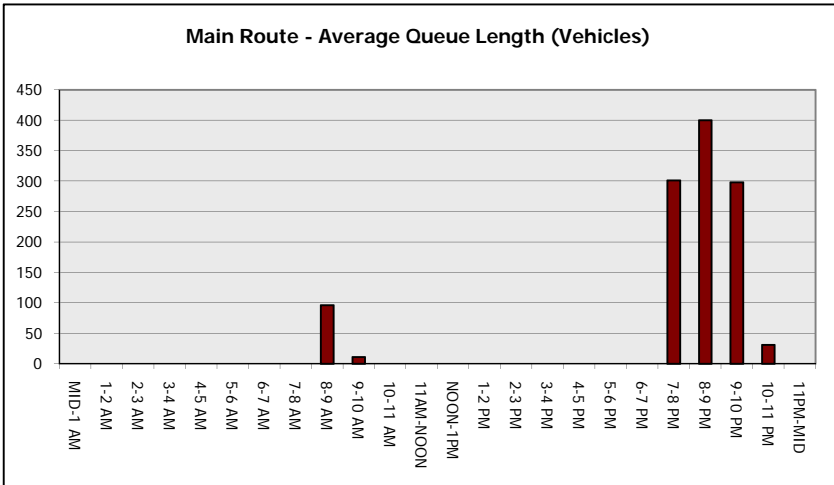
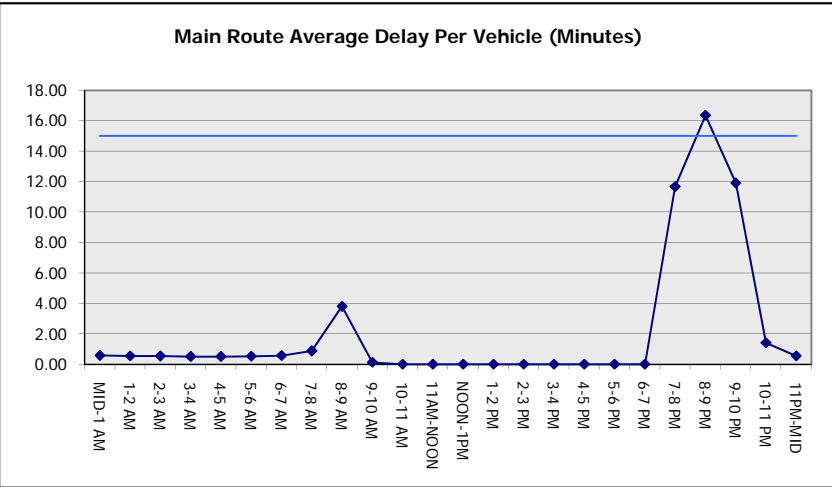
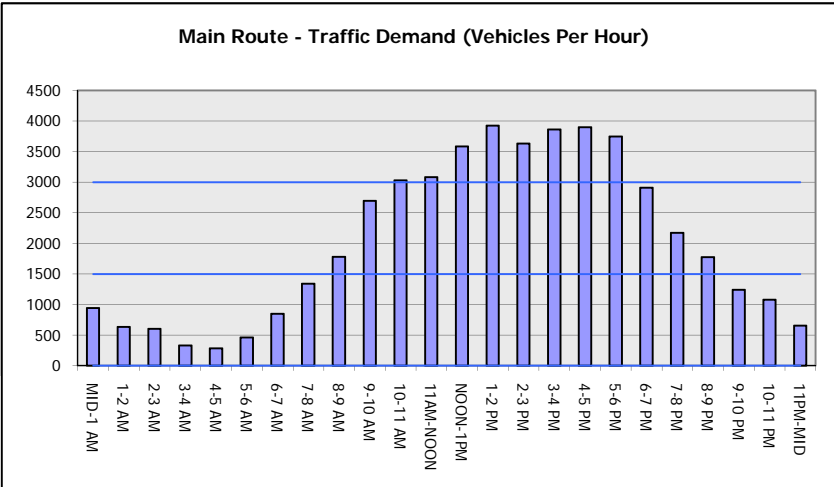
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY 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

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	849	0.0	1500	849	0	0.57	0	69.7	57.4	42.2
1-2 AM	501	0.0	1500	501	0	0.53	0	70.1	58.4	43.5
2-3 AM	362	0.0	1500	362	0	0.52	0	70.2	58.7	44.0
3-4 AM	237	0.0	1500	237	0	0.50	0	70.2	59.0	44.5
4-5 AM	253	0.0	1500	253	0	0.50	0	70.2	59.0	44.5
5-6 AM	362	0.0	1500	362	0	0.52	0	70.2	58.7	44.0
6-7 AM	707	0.0	1500	707	0	0.56	0	69.9	57.8	42.7
7-8 AM	1027	0.0	1499	1027	0	0.60	0	69.4	56.7	41.3
8-9 AM	1582	0.0	1499	1582	0	1.93	32	68.7	40.1	31.8
9-10 AM	2449	0.0	OFF	2449	0	0.03	2	67.7	66.9	66.9
10-11 AM	2940	0.0	OFF	2940	0	0.00	0	67.1	67.1	67.1
11AM-NOON	3433	0.0	OFF	3433	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3609	0.0	OFF	3609	0	0.00	0	66.2	66.2	66.2
1-2 PM	3887	0.0	OFF	3887	0	0.00	0	64.3	64.3	64.3
2-3 PM	3632	0.0	OFF	3632	0	0.00	0	66.1	66.1	66.1
3-4 PM	3801	0.0	OFF	3801	0	0.00	0	64.9	64.9	64.9
4-5 PM	3312	0.0	OFF	3312	0	0.00	0	66.6	66.6	66.6
5-6 PM	3664	0.0	OFF	3664	0	0.00	0	65.8	65.8	65.8
6-7 PM	3587	0.0	OFF	3587	0	0.00	0	66.3	66.3	66.3
7-8 PM	2750	0.0	1499	1624	1126	14.50+	368	67.3	10.7	36.1
8-9 PM	2271	0.0	1499	1659	612	14.01+	360	67.9	11.1	34.6
9-10 PM	1537	0.0	1499	1537	0	13.81	333	68.8	11.2	30.8
10-11 PM	1235	0.0	1499	1235	0	8.35	213	69.2	16.8	32.7
11PM-MID	698	0.0	1500	698	0	0.61	2	69.9	56.8	42.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0240
MAIN ROUTE WITH WORKS	0.0223
'DIVERSION'	0.0020

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$28,534
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

