

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) OFF-PEAK DAY 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	OFF	943	0	0.00	0	69.6	69.6	69.6	
1-2 AM	635	0.0	OFF	635	0	0.00	0	69.9	69.9	69.9	
2-3 AM	602	0.0	OFF	602	0	0.00	0	70.0	70.0	70.0	
3-4 AM	331	0.0	OFF	331	0	0.00	0	70.2	70.2	70.2	
4-5 AM	280	0.0	OFF	280	0	0.00	0	70.2	70.2	70.2	
5-6 AM	462	0.0	OFF	462	0	0.00	0	70.2	70.2	70.2	
6-7 AM	846	0.0	OFF	846	0	0.00	0	69.7	69.7	69.7	
7-8 AM	1340	0.0	OFF	1340	0	0.00	0	69.1	69.1	69.1	
8-9 AM	1778	0.0	OFF	1778	0	0.00	0	68.5	68.5	68.5	
9-10 AM	2695	0.0	2999	2695	0	0.53	0	67.4	56.6	42.8	
10-11 AM	3031	0.0	2999	3031	0	0.89	9	66.9	50.7	37.4	
11AM-NOON	3080	0.0	2999	3080	0	1.82	61	66.9	40.4	37.3	
NOON-1PM	3584	0.0	3000	3584	0	6.96	385	66.3	19.3	37.3	
1-2 PM	3922	0.0	2999	3124	798	15.93+	846	64.1	11.7	37.3	
2-3 PM	3632	0.0	3000	3006	625	16.11+	850	66.1	11.7	37.3	
3-4 PM	3864	0.0	3000	3005	859	16.04+	851	64.5	11.7	37.3	
4-5 PM	3898	0.0	3000	3004	895	16.03+	851	64.2	11.7	37.3	
5-6 PM	3746	0.0	3000	3002	744	16.08+	850	65.3	11.7	37.3	
6-7 PM	2910	0.0	3000	2857	53	15.42+	810	67.1	11.9	37.3	
7-8 PM	2171	0.0	OFF	2171	0	0.68	64	68.1	54.5	54.5	
8-9 PM	1774	0.0	OFF	1774	0	0.00	0	68.6	68.6	68.6	
9-10 PM	1241	0.0	OFF	1241	0	0.00	0	69.2	69.2	69.2	
10-11 PM	1080	0.0	OFF	1080	0	0.00	0	69.4	69.4	69.4	
11PM-MID	655	0.0	OFF	655	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 (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	0.0200
'DIVERSION'	0.0045
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$105,858
CONGESTED HOURS PER DAY*	6

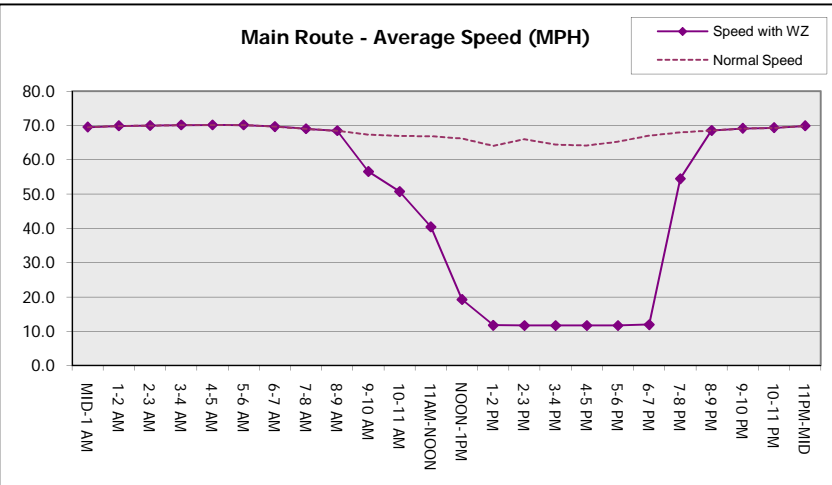
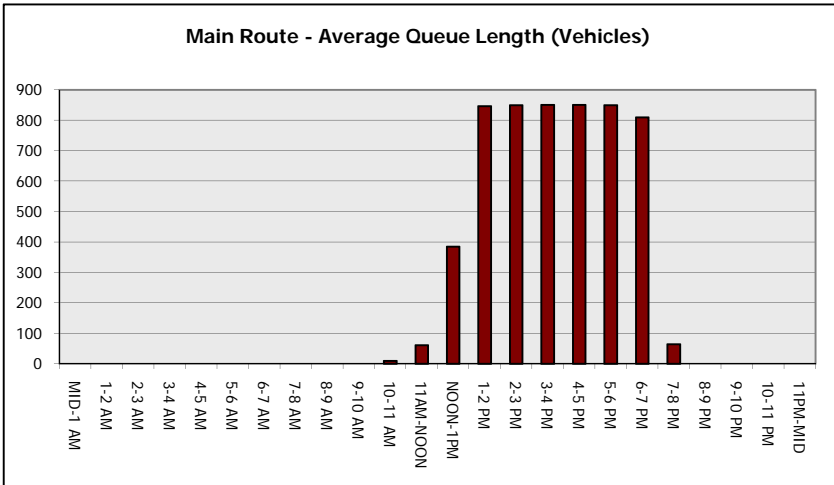
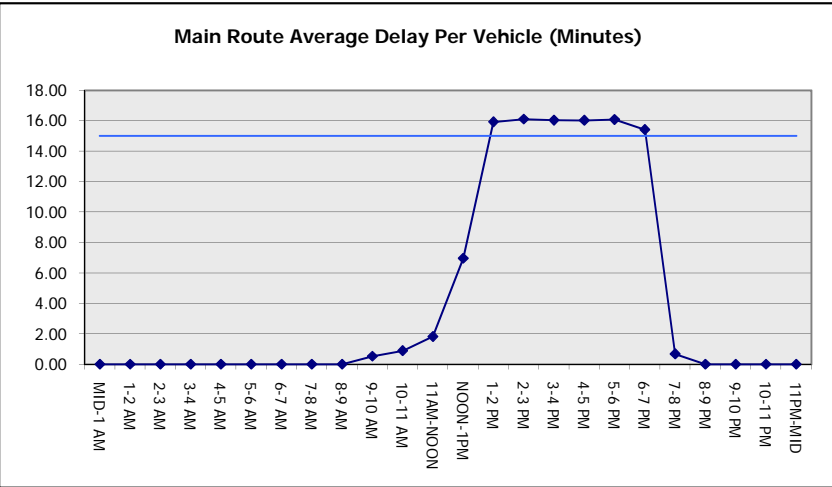
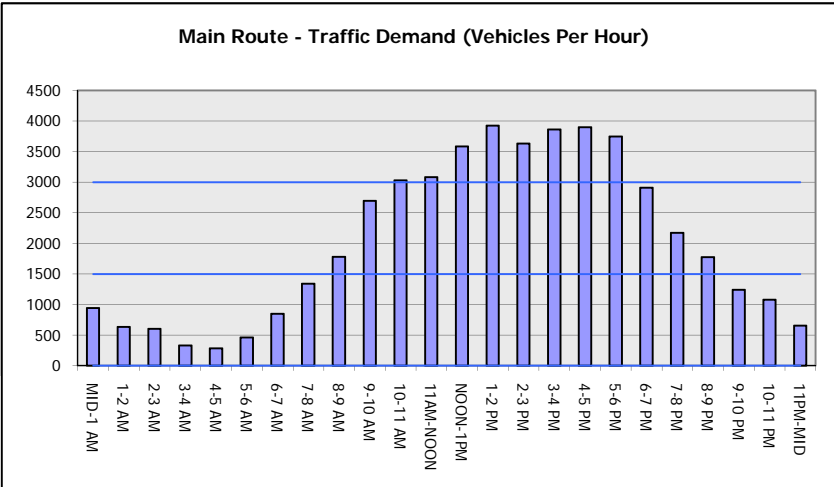
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) OFF-PEAK DAY 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	OFF	849	0	0.00	0	69.7	69.7	69.7
1-2 AM	501	0.0	OFF	501	0	0.00	0	70.1	70.1	70.1
2-3 AM	362	0.0	OFF	362	0	0.00	0	70.2	70.2	70.2
3-4 AM	237	0.0	OFF	237	0	0.00	0	70.2	70.2	70.2
4-5 AM	253	0.0	OFF	253	0	0.00	0	70.2	70.2	70.2
5-6 AM	362	0.0	OFF	362	0	0.00	0	70.2	70.2	70.2
6-7 AM	707	0.0	OFF	707	0	0.00	0	69.9	69.9	69.9
7-8 AM	1027	0.0	OFF	1027	0	0.00	0	69.4	69.4	69.4
8-9 AM	1582	0.0	OFF	1582	0	0.00	0	68.7	68.7	68.7
9-10 AM	2449	0.0	2999	2449	0	0.40	0	67.7	59.1	46.9
10-11 AM	2940	0.0	2999	2940	0	0.80	7	67.1	52.1	38.8
11AM-NOON	3433	0.0	3000	3433	0	4.29	227	66.4	26.2	37.3
NOON-1PM	3609	0.0	3000	3336	273	13.55+	720	66.2	12.7	37.3
1-2 PM	3887	0.0	3000	3027	860	16.07+	853	64.3	11.7	37.3
2-3 PM	3632	0.0	3000	3007	625	16.11+	850	66.1	11.7	37.3
3-4 PM	3801	0.0	3000	3005	796	16.06+	851	64.9	11.7	37.3
4-5 PM	3312	0.0	3000	3003	309	16.11+	848	66.6	11.7	37.3
5-6 PM	3664	0.0	3000	3003	661	16.10+	850	65.8	11.7	37.3
6-7 PM	3587	0.0	3000	3002	586	16.12+	850	66.3	11.7	37.3
7-8 PM	2750	0.0	OFF	2750	0	1.14	110	67.3	47.6	47.6
8-9 PM	2271	0.0	OFF	2271	0	0.00	0	67.9	67.9	67.9
9-10 PM	1537	0.0	OFF	1537	0	0.00	0	68.8	68.8	68.8
10-11 PM	1235	0.0	OFF	1235	0	0.00	0	69.2	69.2	69.2
11PM-MID	698	0.0	OFF	698	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 (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	0.0240
MAIN ROUTE WITH WORKS	0.0200
'DIVERSION'	0.0047

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$115,595
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

