

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 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	3000	943	0	0.35	0	69.6	61.5	49.7
1-2 AM	635	0.0	3000	635	0	0.36	0	69.9	61.7	49.7
2-3 AM	602	0.0	3000	602	0	0.36	0	70.0	61.7	49.7
3-4 AM	331	0.0	3000	331	0	0.36	0	70.2	61.8	49.7
4-5 AM	280	0.0	3000	280	0	0.36	0	70.2	61.8	49.7
5-6 AM	462	0.0	3000	462	0	0.36	0	70.2	61.8	49.7
6-7 AM	846	0.0	3000	846	0	0.35	0	69.7	61.5	49.7
7-8 AM	1340	0.0	3000	1340	0	0.35	0	69.1	61.2	49.7
8-9 AM	1778	0.0	3000	1778	0	0.34	0	68.5	60.9	49.7
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	2999	2171	0	4.29	331	68.1	26.8	44.1
8-9 PM	1774	0.0	3000	1774	0	0.34	0	68.6	60.9	49.7
9-10 PM	1241	0.0	3000	1241	0	0.35	0	69.2	61.3	49.7
10-11 PM	1080	0.0	3000	1080	0	0.35	0	69.4	61.4	49.7
11PM-MID	655	0.0	3000	655	0	0.36	0	69.9	61.7	49.7

+ 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	0.0190
'DIVERSION'	0.0045
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$113,147
CONGESTED HOURS PER DAY*	6

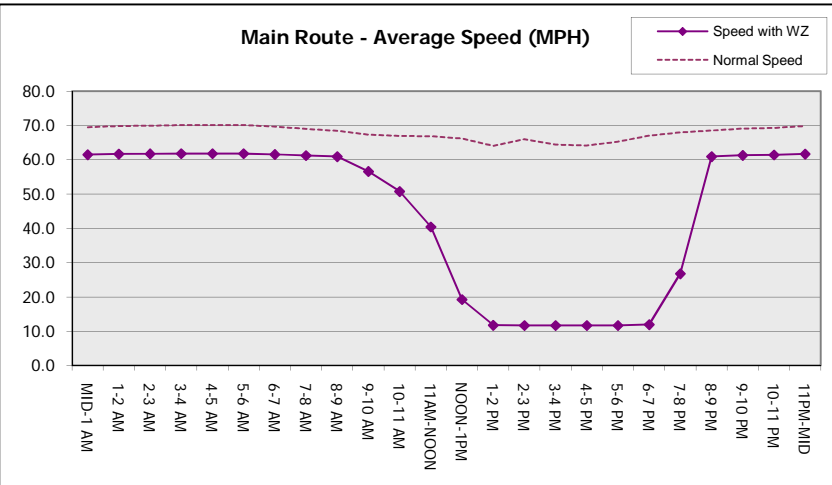
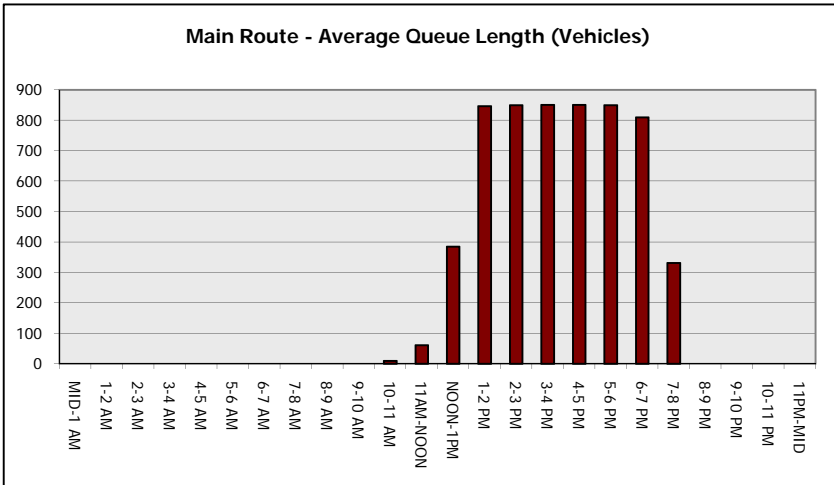
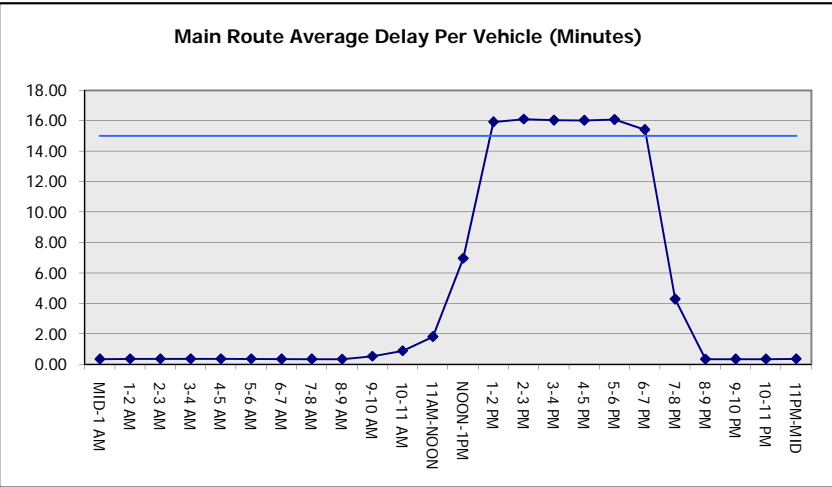
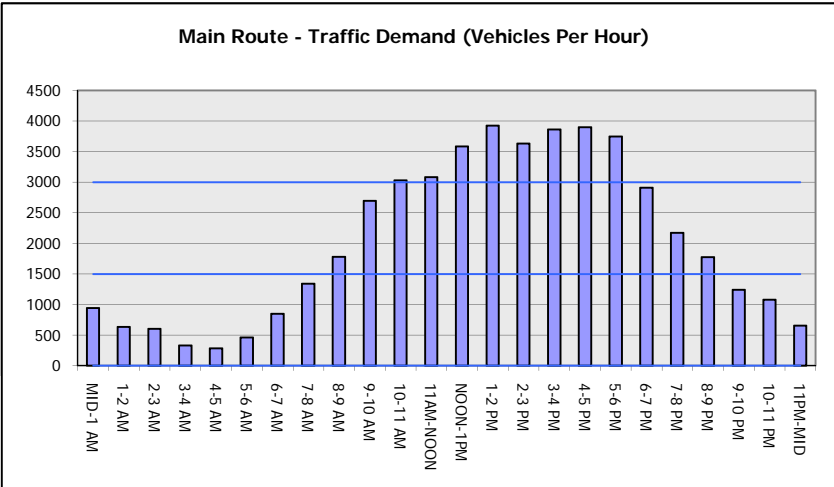
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 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	3000	849	0	0.35	0	69.7	61.5	49.7
1-2 AM	501	0.0	3000	501	0	0.36	0	70.1	61.8	49.7
2-3 AM	362	0.0	3000	362	0	0.36	0	70.2	61.8	49.7
3-4 AM	237	0.0	3000	237	0	0.36	0	70.2	61.8	49.7
4-5 AM	253	0.0	3000	253	0	0.36	0	70.2	61.8	49.7
5-6 AM	362	0.0	3000	362	0	0.36	0	70.2	61.8	49.7
6-7 AM	707	0.0	3000	707	0	0.36	0	69.9	61.6	49.7
7-8 AM	1027	0.0	3000	1027	0	0.35	0	69.4	61.4	49.7
8-9 AM	1582	0.0	3000	1582	0	0.34	0	68.7	61.0	49.7
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	2999	2750	0	14.50+	761	67.3	12.3	37.3
8-9 PM	2271	0.0	2999	2271	0	3.72	278	67.9	28.9	43.8
9-10 PM	1537	0.0	3000	1537	0	0.34	0	68.8	61.1	49.7
10-11 PM	1235	0.0	3000	1235	0	0.35	0	69.2	61.3	49.7
11PM-MID	698	0.0	3000	698	0	0.36	0	69.9	61.7	49.7

+ 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	0.0191
'DIVERSION'	0.0047

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$133,582
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

