

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

MON-THUR 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	509	0.0	3000	509	0	0.36	0	70.1	61.7	49.7
1-2 AM	327	0.0	3000	327	0	0.36	0	70.2	61.8	49.7
2-3 AM	317	0.0	3000	317	0	0.36	0	70.2	61.8	49.7
3-4 AM	377	0.0	3000	377	0	0.36	0	70.2	61.8	49.7
4-5 AM	689	0.0	3000	689	0	0.36	0	69.9	61.7	49.7
5-6 AM	1965	0.0	2999	1965	0	0.36	0	68.3	60.4	48.8
6-7 AM	4580	0.0	2999	3817	763	9.00+	561	59.6	16.6	37.3
7-8 AM	5493	0.0	2999	3000	2493	15.89+	884	53.3	11.5	37.3
8-9 AM	4732	0.0	3000	3051	1681	16.11+	875	58.5	11.6	37.3
9-10 AM	3207	0.0	3000	2960	246	16.04+	844	66.8	11.7	37.3
10-11 AM	3024	0.0	3000	3022	3	15.91+	836	67.0	11.8	37.3
11AM-NOON	3329	0.0	2999	3000	329	16.11+	848	66.6	11.7	37.3
NOON-1PM	3740	0.0	2999	3000	740	16.08+	850	65.3	11.7	37.3
1-2 PM	4077	0.0	2999	3005	1073	16.00+	853	63.0	11.7	37.3
2-3 PM	4308	0.0	2999	3013	1295	16.09+	863	61.4	11.6	37.3
3-4 PM	4596	0.0	3000	3008	1588	16.26+	880	59.4	11.6	37.3
4-5 PM	5131	0.0	3000	3000	2131	16.09+	884	55.8	11.5	37.3
5-6 PM	4720	0.0	3000	3004	1716	16.24+	882	58.6	11.6	37.3
6-7 PM	3746	0.0	3000	2987	759	16.10+	851	65.3	11.7	37.3
7-8 PM	2639	0.0	2999	2639	0	14.09+	742	67.4	12.5	37.3
8-9 PM	1919	0.0	2999	1919	0	1.58	129	68.4	43.2	49.1
9-10 PM	1899	0.0	3000	1899	0	0.34	0	68.4	60.9	49.7
10-11 PM	1506	0.0	3000	1506	0	0.34	0	68.9	61.1	49.7
11PM-MID	946	0.0	3000	946	0	0.35	0	69.6	61.5	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	0.0334
MAIN ROUTE WITH WORKS	0.0226
'DIVERSION'	0.0169
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$194,025
CONGESTED HOURS PER DAY*	14

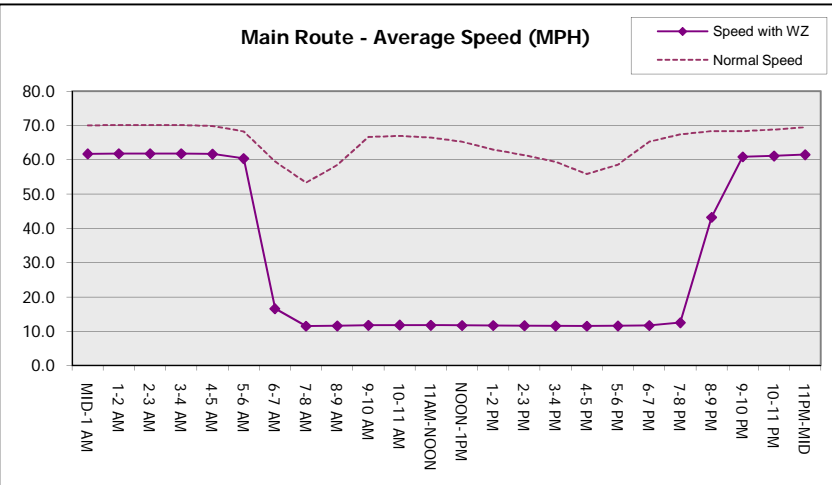
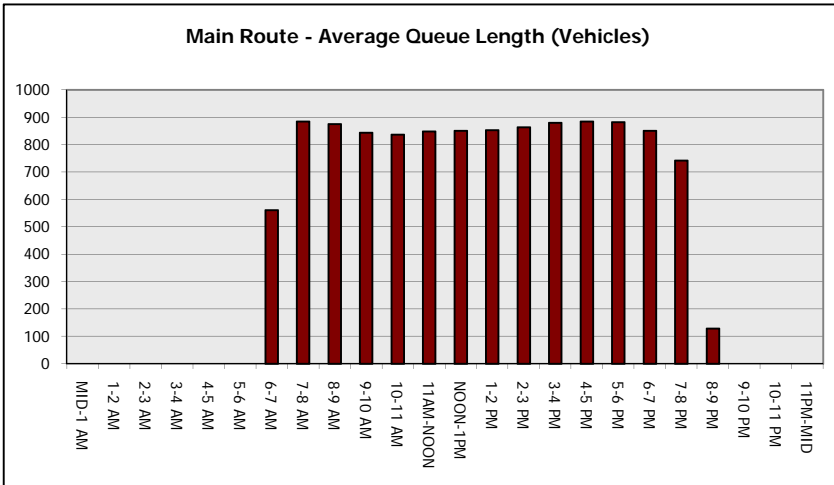
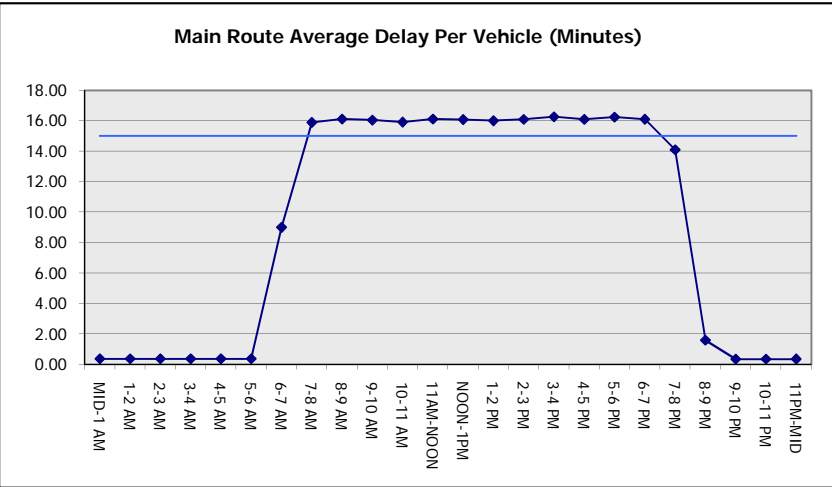
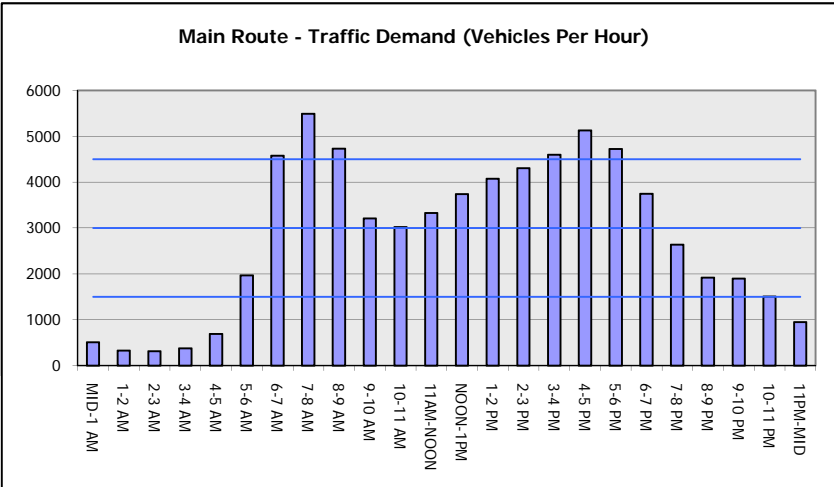
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR 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

MON-THUR 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	482	0.0	3000	482	0	0.36	0	70.1	61.8	49.7	
1-2 AM	283	0.0	3000	283	0	0.36	0	70.2	61.8	49.7	
2-3 AM	261	0.0	3000	261	0	0.36	0	70.2	61.8	49.7	
3-4 AM	305	0.0	3000	305	0	0.36	0	70.2	61.8	49.7	
4-5 AM	615	0.0	3000	615	0	0.36	0	70.0	61.7	49.7	
5-6 AM	1941	0.0	2999	1941	0	0.38	0	68.3	60.0	48.1	
6-7 AM	5206	0.0	2999	3867	1339	11.27+	659	55.3	13.9	37.3	
7-8 AM	5717	0.0	3000	3000	2717	15.77+	884	51.8	11.5	37.3	
8-9 AM	4806	0.0	3000	3010	1796	16.18+	881	58.0	11.6	37.3	
9-10 AM	3498	0.0	3000	2992	506	16.11+	849	66.4	11.7	37.3	
10-11 AM	3219	0.0	2999	2994	225	16.11+	848	66.8	11.7	37.3	
11AM-NOON	3340	0.0	2999	2996	345	16.11+	848	66.6	11.7	37.3	
NOON-1PM	3557	0.0	2999	2997	559	16.12+	849	66.3	11.7	37.3	
1-2 PM	3870	0.0	2999	2999	871	16.04+	851	64.4	11.7	37.3	
2-3 PM	4053	0.0	2999	2998	1055	15.99+	852	63.2	11.7	37.3	
3-4 PM	4283	0.0	2999	3014	1269	16.08+	862	61.6	11.6	37.3	
4-5 PM	4773	0.0	2999	3000	1773	16.26+	884	58.2	11.5	37.3	
5-6 PM	4446	0.0	3000	2997	1449	16.20+	873	60.5	11.6	37.3	
6-7 PM	3454	0.0	3000	2996	458	16.11+	849	66.4	11.7	37.3	
7-8 PM	2589	0.0	2999	2589	0	13.20+	695	67.5	12.9	37.3	
8-9 PM	2141	0.0	2999	2141	0	1.66	127	68.1	42.4	47.4	
9-10 PM	2045	0.0	3000	2045	0	0.33	0	68.2	60.7	49.7	
10-11 PM	1456	0.0	3000	1456	0	0.34	0	68.9	61.2	49.7	
11PM-MID	999	0.0	3000	999	0	0.35	0	69.5	61.4	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	0.0332
MAIN ROUTE WITH WORKS	0.0226
'DIVERSION'	0.0164

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$193,501
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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