

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	149	0.0	3000	149	0	0.36	0	70.2	61.8	49.7
1-2 AM	26	0.0	3000	26	0	0.36	0	70.2	61.8	49.7
2-3 AM	161	0.0	3000	161	0	0.36	0	70.2	61.8	49.7
3-4 AM	24	0.0	3000	24	0	0.36	0	70.2	61.8	49.7
4-5 AM	75	0.0	3000	75	0	0.36	0	70.2	61.8	49.7
5-6 AM	148	0.0	3000	148	0	0.36	0	70.2	61.8	49.7
6-7 AM	213	0.0	3000	213	0	0.36	0	70.2	61.8	49.7
7-8 AM	151	0.0	3000	151	0	0.36	0	70.2	61.8	49.7
8-9 AM	3246	0.0	2999	3246	0	1.59	65	66.7	42.5	37.5
9-10 AM	2363	0.0	2999	2363	0	1.38	79	67.8	45.1	45.0
10-11 AM	1522	0.0	3000	1522	0	0.34	0	68.9	61.1	49.7
11AM-NOON	2196	0.0	3000	2196	0	0.33	0	68.0	60.7	49.7
NOON-1PM	152	0.0	3000	152	0	0.36	0	70.2	61.8	49.7
1-2 PM	2823	0.0	2999	2823	0	1.16	53	67.3	47.4	43.5
2-3 PM	4964	0.0	3000	3754	1210	13.17+	748	56.9	12.9	37.3
3-4 PM	5384	0.0	2999	2985	2399	15.93+	883	54.1	11.6	37.3
4-5 PM	5218	0.0	2999	2988	2230	16.02+	883	55.2	11.6	37.3
5-6 PM	5462	0.0	3000	3000	2462	15.91+	884	53.5	11.5	37.3
6-7 PM	4132	0.0	2999	2935	1197	16.14+	862	62.6	11.6	37.3
7-8 PM	3291	0.0	2999	2983	309	16.09+	847	66.6	11.7	37.3
8-9 PM	3007	0.0	2999	2959	48	16.01+	841	67.0	11.7	37.3
9-10 PM	2603	0.0	2999	2603	0	12.18+	640	67.5	13.4	37.3
10-11 PM	2305	0.0	2999	2305	0	1.97	144	67.9	39.4	45.5
11PM-MID	1826	0.0	3000	1826	0	0.34	0	68.4	60.9	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	0.0254
MAIN ROUTE WITH WORKS	0.0178
'DIVERSION'	0.0113
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$125,186
CONGESTED HOURS PER DAY*	8

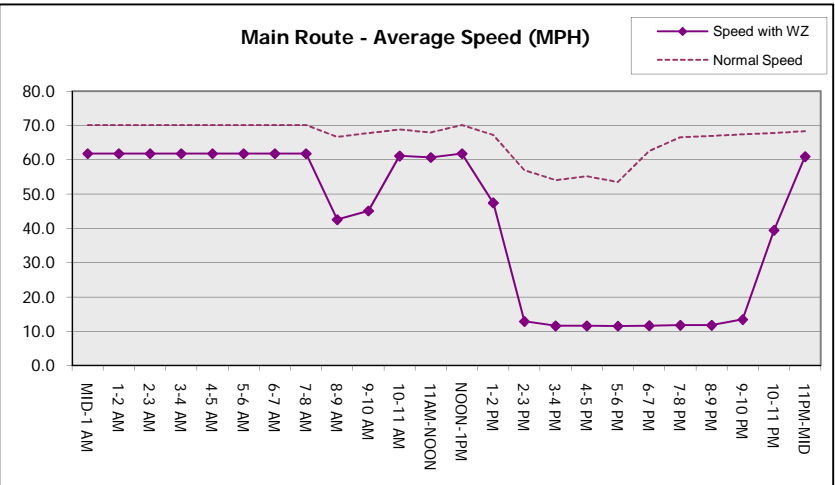
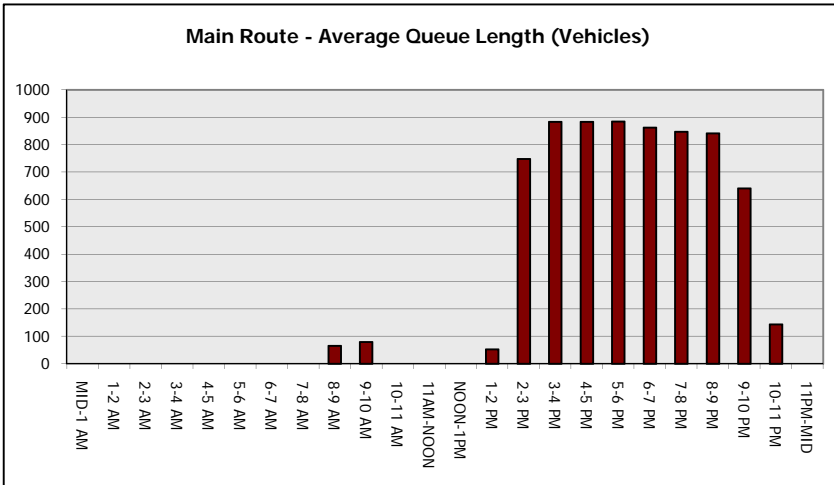
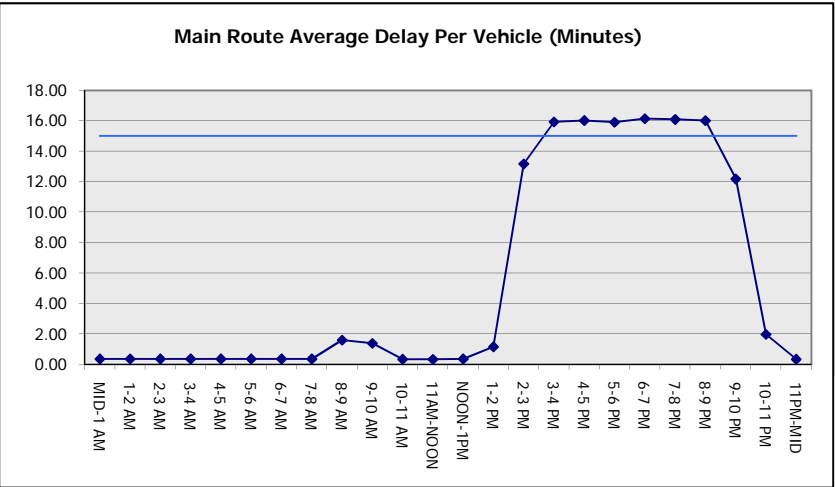
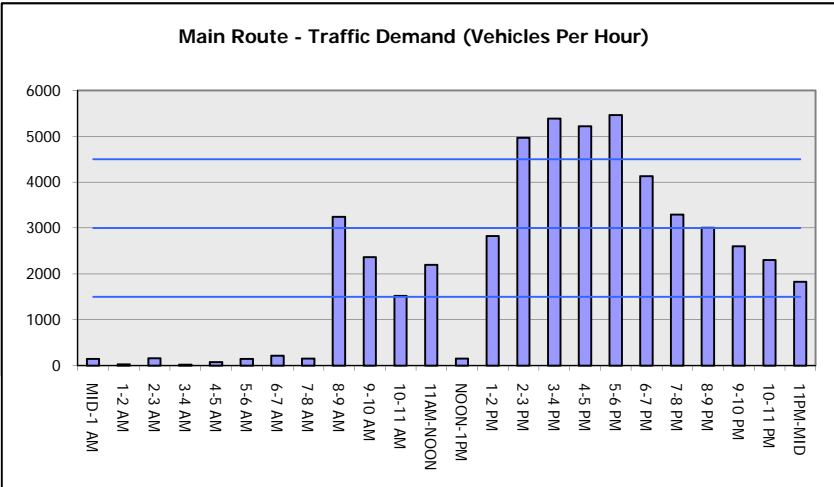
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	88	0.0	3000	88	0	0.36	0	70.2	61.8	49.7
1-2 AM	26	0.0	3000	26	0	0.36	0	70.2	61.8	49.7
2-3 AM	102	0.0	3000	102	0	0.36	0	70.2	61.8	49.7
3-4 AM	14	0.0	3000	14	0	0.36	0	70.2	61.8	49.7
4-5 AM	75	0.0	3000	75	0	0.36	0	70.2	61.8	49.7
5-6 AM	97	0.0	3000	97	0	0.36	0	70.2	61.8	49.7
6-7 AM	246	0.0	3000	246	0	0.36	0	70.2	61.8	49.7
7-8 AM	132	0.0	3000	132	0	0.36	0	70.2	61.8	49.7
8-9 AM	3178	0.0	2999	3178	0	1.46	56	66.8	43.8	38.0
9-10 AM	2346	0.0	2999	2346	0	1.16	58	67.8	47.6	45.5
10-11 AM	1469	0.0	3000	1469	0	0.34	0	68.9	61.1	49.7
11AM-NOON	2157	0.0	3000	2157	0	0.33	0	68.1	60.7	49.7
NOON-1PM	117	0.0	3000	117	0	0.36	0	70.2	61.8	49.7
1-2 PM	2342	0.0	2999	2342	0	0.51	0	67.8	57.2	43.8
2-3 PM	5085	0.0	2999	3845	1240	11.17+	653	56.1	14.0	37.3
3-4 PM	5502	0.0	3000	3000	2502	15.89+	884	53.3	11.5	37.3
4-5 PM	5276	0.0	3000	3000	2276	16.01+	884	54.8	11.5	37.3
5-6 PM	5137	0.0	3000	3000	2137	16.09+	884	55.8	11.5	37.3
6-7 PM	4132	0.0	3000	3018	1115	16.06+	858	62.6	11.7	37.3
7-8 PM	3410	0.0	3000	2996	414	16.11+	849	66.5	11.7	37.3
8-9 PM	2920	0.0	2999	2894	26	15.60+	819	67.1	11.9	37.3
9-10 PM	2676	0.0	2999	2676	0	11.78	615	67.4	13.6	37.3
10-11 PM	2150	0.0	2999	2150	0	1.69	127	68.1	42.0	46.7
11PM-MID	1625	0.0	3000	1625	0	0.34	0	68.7	61.0	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	0.0248
MAIN ROUTE WITH WORKS	0.0174
'DIVERSION'	0.0111

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$121,560
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

