

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	578	0.0	1500	578	0	1.11	32	70.0	49.4	43.0
1-2 AM	349	0.0	1500	349	0	0.52	0	70.2	58.7	44.1
2-3 AM	306	0.0	1500	306	0	0.51	0	70.2	58.9	44.3
3-4 AM	398	0.0	1500	398	0	0.52	0	70.2	58.6	43.9
4-5 AM	817	0.0	1500	817	0	0.57	0	69.7	57.5	42.4
5-6 AM	2116	0.0	1499	2116	0	5.83+	206	68.1	21.7	30.8
6-7 AM	4085	0.0	1500	1266	2819	15.41+	389	63.0	10.1	35.1
7-8 AM	4958	0.0	1500	1500	3458	15.81+	400	57.0	9.7	30.8
8-9 AM	4763	0.0	1500	1500	3263	15.89+	400	58.3	9.7	30.8
9-10 AM	3678	0.0	1500	1500	2178	16.25+	400	65.7	9.7	30.8
10-11 AM	3424	0.0	1500	1500	1924	16.28+	400	66.5	9.7	30.8
11AM-NOON	3857	0.0	1500	1500	2357	16.19+	400	64.5	9.7	30.8
NOON-1PM	4027	0.0	1500	1500	2527	16.14+	400	63.3	9.7	30.8
1-2 PM	4171	0.0	1500	1500	2671	16.09+	400	62.3	9.7	30.8
2-3 PM	4487	0.0	1500	1500	2987	15.99+	400	60.2	9.7	30.8
3-4 PM	4811	0.0	1500	1500	3311	15.87+	400	58.0	9.7	30.8
4-5 PM	5032	0.0	1500	1500	3532	15.78+	400	56.4	9.7	30.8
5-6 PM	4939	0.0	1500	1500	3439	15.82+	400	57.1	9.7	30.8
6-7 PM	4597	0.0	1500	1500	3097	15.95+	400	59.4	9.7	30.8
7-8 PM	3304	0.0	1500	1500	1804	16.29+	400	66.6	9.7	30.8
8-9 PM	2705	0.0	1500	1500	1205	16.32+	400	67.4	9.7	30.8
9-10 PM	2333	0.0	1500	1500	833	16.34+	400	67.8	9.7	30.8
10-11 PM	2034	0.0	1500	1500	534	16.35+	400	68.2	9.7	30.8
11PM-MID	1344	0.0	1500	1344	0	14.22+	349	69.1	11.0	30.9

+ 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	0.0361
MAIN ROUTE WITH WORKS	0.0133
'DIVERSION'	0.0479
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$243,230
CONGESTED HOURS PER DAY*	19

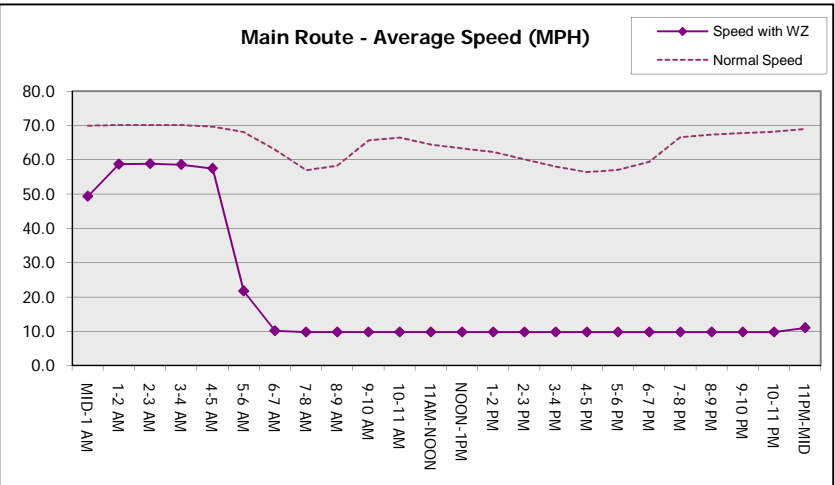
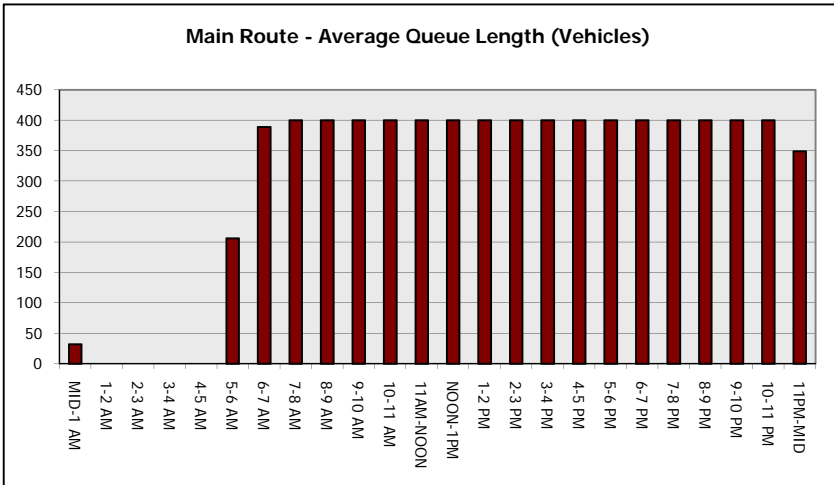
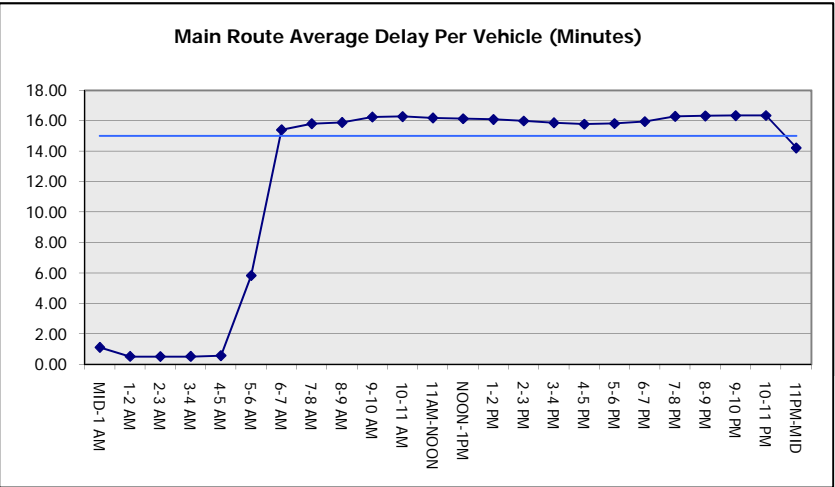
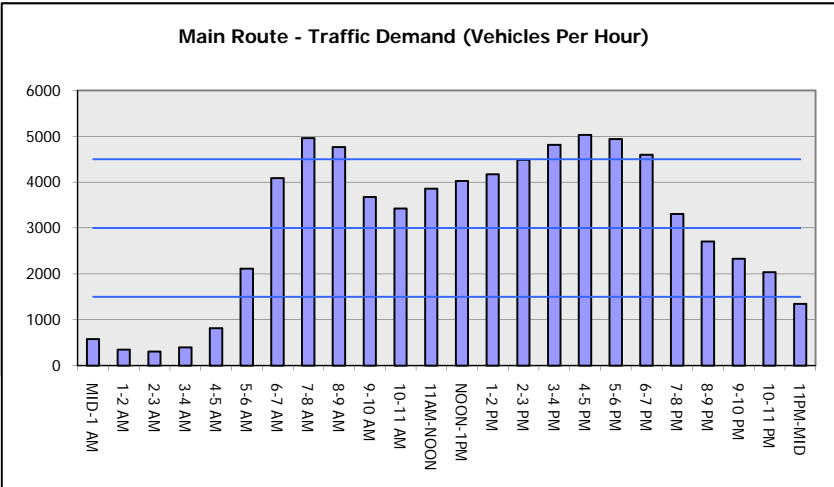
*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



IH 94: CTH 0 TO STH 100 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	533	0.0	1500	533	0	0.61	2	70.0	57.1	43.3
1-2 AM	340	0.0	1500	340	0	0.51	0	70.2	58.7	44.2
2-3 AM	294	0.0	1500	294	0	0.51	0	70.2	58.9	44.3
3-4 AM	353	0.0	1500	353	0	0.52	0	70.2	58.7	44.1
4-5 AM	693	0.0	1500	693	0	0.55	0	69.9	57.8	42.8
5-6 AM	2109	0.0	1499	2109	0	4.55	177	68.1	25.5	30.8
6-7 AM	4758	0.0	1500	1349	3409	15.37+	392	58.4	10.0	35.1
7-8 AM	5330	0.0	1500	1500	3830	15.66+	400	54.5	9.7	30.8
8-9 AM	5159	0.0	1500	1500	3659	15.73+	400	55.6	9.7	30.8
9-10 AM	4211	0.0	1500	1500	2711	16.08+	400	62.1	9.7	30.8
10-11 AM	3816	0.0	1500	1500	2316	16.21+	400	64.8	9.7	30.8
11AM-NOON	4172	0.0	1500	1500	2672	16.09+	400	62.3	9.7	30.8
NOON-1PM	4228	0.0	1500	1500	2728	16.08+	400	62.0	9.7	30.8
1-2 PM	4321	0.0	1500	1500	2821	16.05+	400	61.4	9.7	30.8
2-3 PM	4662	0.0	1500	1500	3162	15.93+	400	59.0	9.7	30.8
3-4 PM	4855	0.0	1500	1500	3355	15.85+	400	57.7	9.7	30.8
4-5 PM	5052	0.0	1500	1500	3552	15.78+	400	56.3	9.7	30.8
5-6 PM	4744	0.0	1500	1500	3244	15.90+	400	58.4	9.7	30.8
6-7 PM	3948	0.0	1500	1500	2448	16.17+	400	63.9	9.7	30.8
7-8 PM	2975	0.0	1500	1500	1475	16.30+	400	67.1	9.7	30.8
8-9 PM	2774	0.0	1500	1500	1274	16.31+	400	67.3	9.7	30.8
9-10 PM	2391	0.0	1500	1500	891	16.33+	400	67.8	9.7	30.8
10-11 PM	1698	0.0	1499	1442	256	16.14+	394	68.6	9.9	30.8
11PM-MID	1167	0.0	1499	1167	0	10.10	270	69.3	14.5	33.6

+ 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	0.0368
MAIN ROUTE WITH WORKS	0.0132
'DIVERSION'	0.0501

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$246,804
CONGESTED HOURS PER DAY*	17

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

