

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) OFF-PEAK DAY 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	OFF	578	0	0.00	0	70.0	70.0	70.0
1-2 AM	349	0.0	OFF	349	0	0.00	0	70.2	70.2	70.2
2-3 AM	306	0.0	OFF	306	0	0.00	0	70.2	70.2	70.2
3-4 AM	398	0.0	OFF	398	0	0.00	0	70.2	70.2	70.2
4-5 AM	817	0.0	OFF	817	0	0.00	0	69.7	69.7	69.7
5-6 AM	2116	0.0	OFF	2116	0	0.00	0	68.1	68.1	68.1
6-7 AM	4085	0.0	OFF	4085	0	0.00	0	63.0	63.0	63.0
7-8 AM	4958	0.0	OFF	4958	0	0.00	0	57.0	57.0	57.0
8-9 AM	4763	0.0	OFF	4763	0	0.00	0	58.3	58.3	58.3
9-10 AM	3678	0.0	OFF	3678	0	0.00	0	65.7	65.7	65.7
10-11 AM	3424	0.0	1499	1550	1874	16.48+	412	66.5	9.6	36.6
11AM-NOON	3857	0.0	1499	1699	2158	14.38+	378	64.5	10.7	35.8
NOON-1PM	4027	0.0	1499	1500	2527	15.82+	399	63.3	9.9	37.1
1-2 PM	4171	0.0	1500	1500	2671	15.78+	400	62.3	9.9	37.1
2-3 PM	4487	0.0	1500	1500	2987	15.67+	400	60.2	9.9	37.1
3-4 PM	4811	0.0	OFF	4811	0	0.36	26	58.0	52.2	52.2
4-5 PM	5032	0.0	OFF	5032	0	0.00	0	56.4	56.4	56.4
5-6 PM	4939	0.0	OFF	4939	0	0.00	0	57.1	57.1	57.1
6-7 PM	4597	0.0	OFF	4597	0	0.00	0	59.4	59.4	59.4
7-8 PM	3304	0.0	OFF	3304	0	0.00	0	66.6	66.6	66.6
8-9 PM	2705	0.0	OFF	2705	0	0.00	0	67.4	67.4	67.4
9-10 PM	2333	0.0	OFF	2333	0	0.00	0	67.8	67.8	67.8
10-11 PM	2034	0.0	OFF	2034	0	0.00	0	68.2	68.2	68.2
11PM-MID	1344	0.0	OFF	1344	0	0.00	0	69.1	69.1	69.1

"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	0.0361
MAIN ROUTE WITH WORKS	0.0295
'DIVERSION'	0.0140
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$68,673
CONGESTED HOURS PER DAY*	5

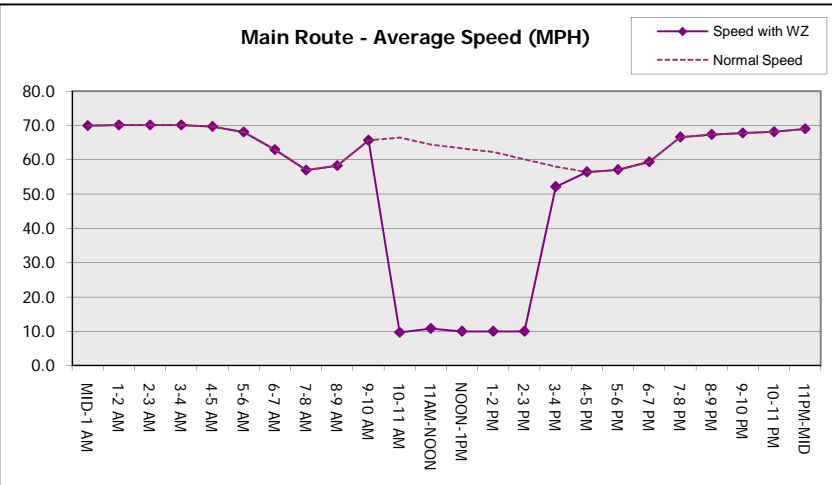
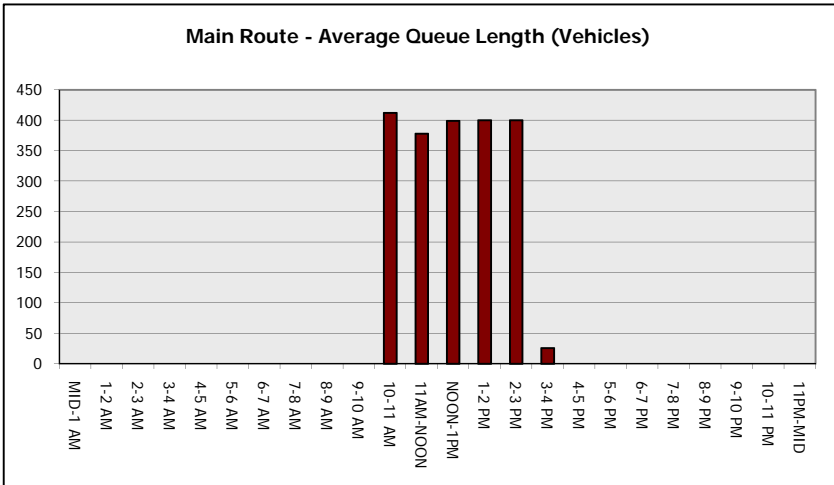
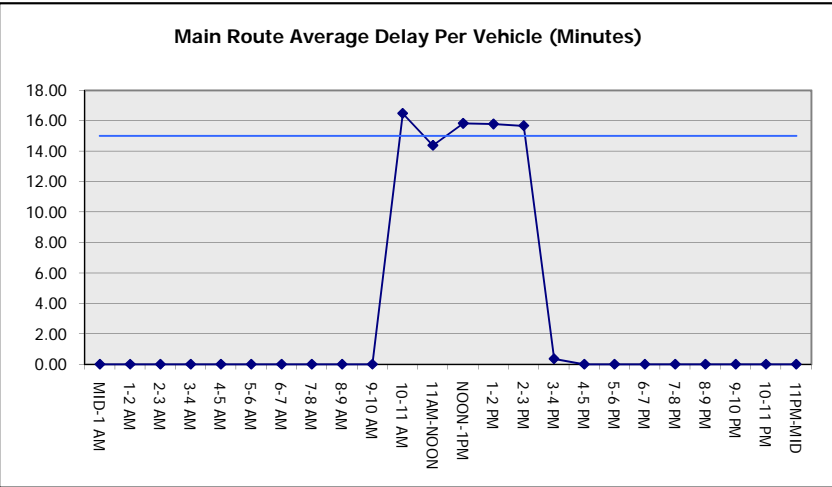
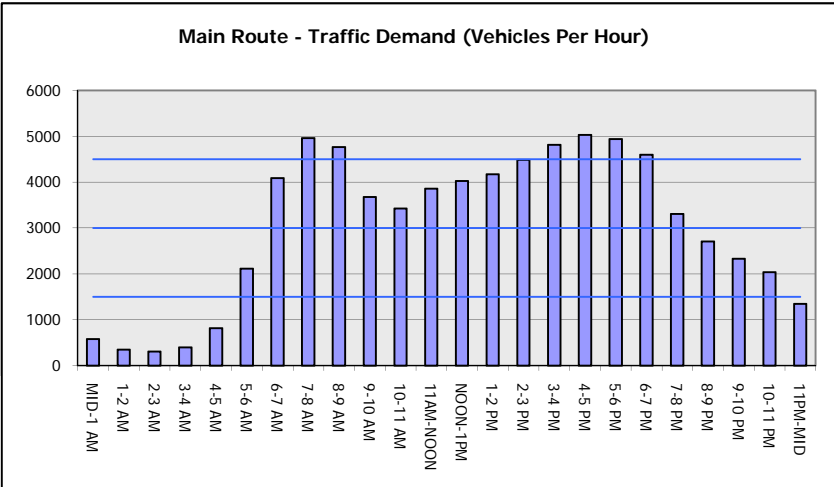
*Delays Exceeding User-Specified Maximum

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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) OFF-PEAK DAY 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	OFF	533	0	0.00	0	70.0	70.0	70.0
1-2 AM	340	0.0	OFF	340	0	0.00	0	70.2	70.2	70.2
2-3 AM	294	0.0	OFF	294	0	0.00	0	70.2	70.2	70.2
3-4 AM	353	0.0	OFF	353	0	0.00	0	70.2	70.2	70.2
4-5 AM	693	0.0	OFF	693	0	0.00	0	69.9	69.9	69.9
5-6 AM	2109	0.0	OFF	2109	0	0.00	0	68.1	68.1	68.1
6-7 AM	4758	0.0	OFF	4758	0	0.00	0	58.4	58.4	58.4
7-8 AM	5330	0.0	OFF	5330	0	0.00	0	54.5	54.5	54.5
8-9 AM	5159	0.0	OFF	5159	0	0.00	0	55.6	55.6	55.6
9-10 AM	4211	0.0	OFF	4211	0	0.00	0	62.1	62.1	62.1
10-11 AM	3816	0.0	1499	1550	2266	16.41+	412	64.8	9.6	36.6
11AM-NOON	4172	0.0	1499	1746	2426	14.39+	379	62.3	10.7	35.6
NOON-1PM	4228	0.0	1499	1500	2728	15.93+	399	62.0	9.8	33.3
1-2 PM	4321	0.0	1500	1500	2821	15.90+	400	61.4	9.8	33.3
2-3 PM	4662	0.0	1500	1500	3162	15.78+	400	59.0	9.8	33.3
3-4 PM	4855	0.0	OFF	4855	0	0.50	38	57.7	49.9	49.9
4-5 PM	5052	0.0	OFF	5052	0	0.00	0	56.3	56.3	56.3
5-6 PM	4744	0.0	OFF	4744	0	0.00	0	58.4	58.4	58.4
6-7 PM	3948	0.0	OFF	3948	0	0.00	0	63.9	63.9	63.9
7-8 PM	2975	0.0	OFF	2975	0	0.00	0	67.1	67.1	67.1
8-9 PM	2774	0.0	OFF	2774	0	0.00	0	67.3	67.3	67.3
9-10 PM	2391	0.0	OFF	2391	0	0.00	0	67.8	67.8	67.8
10-11 PM	1698	0.0	OFF	1698	0	0.00	0	68.6	68.6	68.6
11PM-MID	1167	0.0	OFF	1167	0	0.00	0	69.3	69.3	69.3

"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	0.0368
MAIN ROUTE WITH WORKS	0.0297
'DIVERSION'	0.0153

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$73,327
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

