

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) OFF-PEAK DAY 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	2999	3424	0	3.93	206	66.5	27.6	37.3
11AM-NOON	3857	0.0	3000	3405	453	13.72+	736	64.5	12.6	37.3
NOON-1PM	4027	0.0	3000	3017	1010	16.02+	853	63.3	11.7	37.3
1-2 PM	4171	0.0	3000	3013	1157	16.01+	856	62.3	11.7	37.3
2-3 PM	4487	0.0	3000	3021	1466	16.21+	874	60.2	11.6	37.3
3-4 PM	4811	0.0	OFF	4811	0	3.63	325	58.0	27.2	27.2
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	0.0330
'DIVERSION'	0.0047
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$59,629
CONGESTED HOURS PER DAY*	4

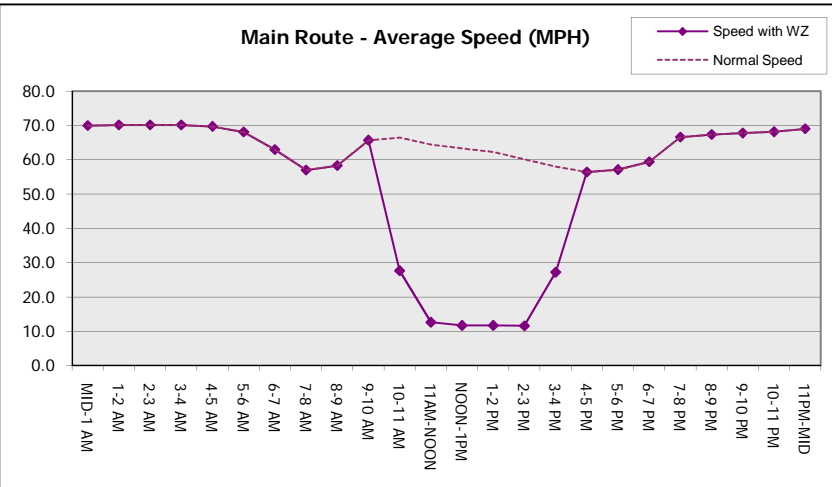
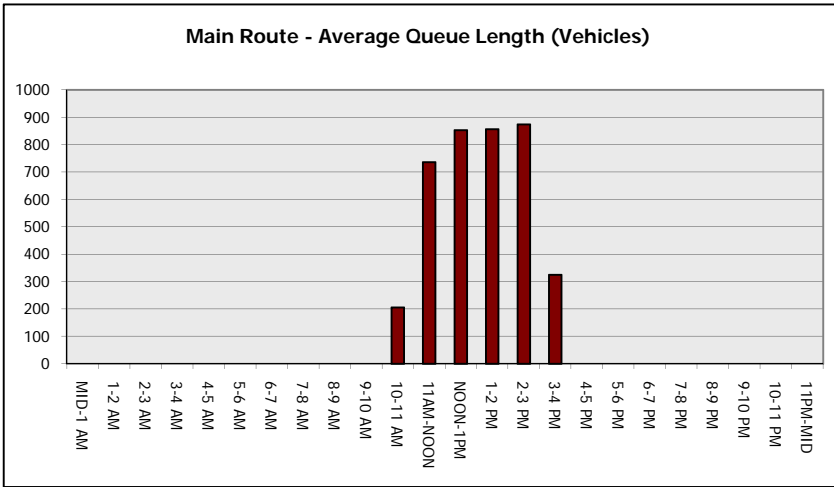
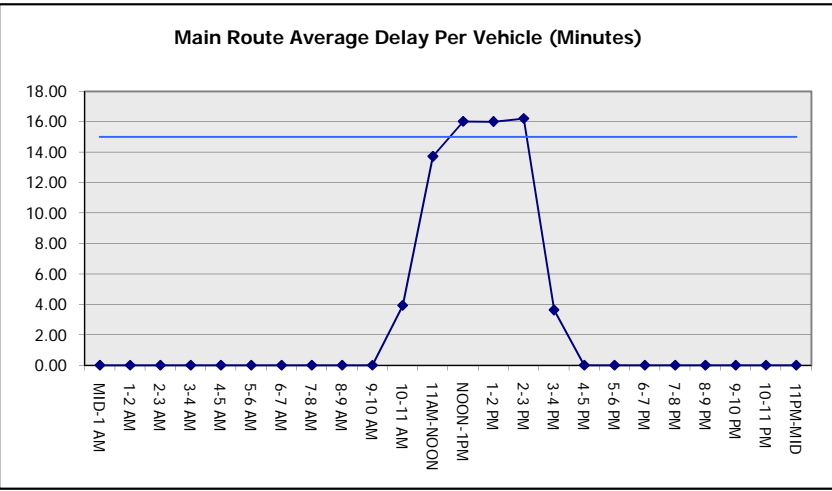
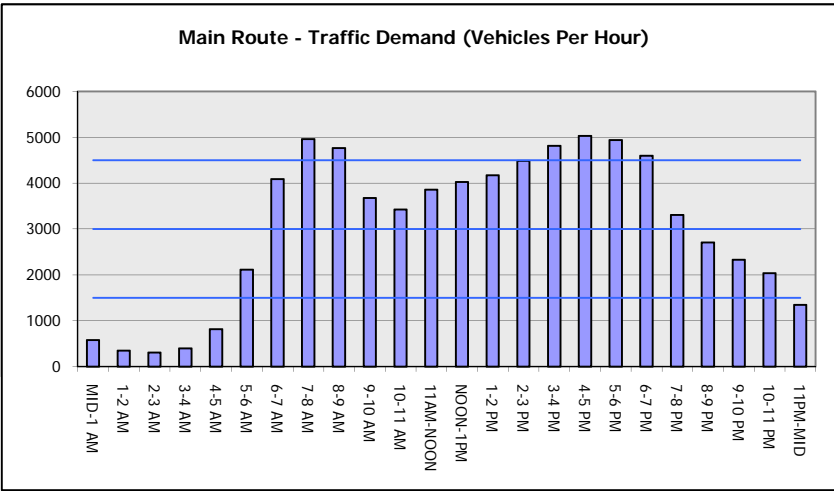
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



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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	2999	3816	0	6.85	409	64.8	19.7	37.3
11AM-NOON	4172	0.0	2999	3042	1130	16.04+	857	62.3	11.7	37.3
NOON-1PM	4228	0.0	3000	3003	1224	16.05+	859	62.0	11.7	37.3
1-2 PM	4321	0.0	3000	3007	1314	16.11+	865	61.4	11.6	37.3
2-3 PM	4662	0.0	2999	3014	1648	16.28+	883	59.0	11.6	37.3
3-4 PM	4855	0.0	OFF	4855	0	3.77	339	57.7	26.6	26.6
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	0.0331
'DIVERSION'	0.0061

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,266
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

