

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) NIGHTTIME 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	3000	578	0	0.36	0	70.0	61.7	49.7
1-2 AM	349	0.0	3000	349	0	0.36	0	70.2	61.8	49.7
2-3 AM	306	0.0	3000	306	0	0.36	0	70.2	61.8	49.7
3-4 AM	398	0.0	3000	398	0	0.36	0	70.2	61.8	49.7
4-5 AM	817	0.0	3000	817	0	0.35	0	69.7	61.5	49.7
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	OFF	3424	0	0.00	0	66.5	66.5	66.5
11AM-NOON	3857	0.0	OFF	3857	0	0.00	0	64.5	64.5	64.5
NOON-1PM	4027	0.0	OFF	4027	0	0.00	0	63.3	63.3	63.3
1-2 PM	4171	0.0	OFF	4171	0	0.00	0	62.3	62.3	62.3
2-3 PM	4487	0.0	OFF	4487	0	0.00	0	60.2	60.2	60.2
3-4 PM	4811	0.0	OFF	4811	0	0.00	0	58.0	58.0	58.0
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	2999	3304	0	4.29	211	66.6	26.3	37.3
8-9 PM	2705	0.0	2999	2705	0	3.71	187	67.4	28.8	39.1
9-10 PM	2333	0.0	3000	2333	0	0.34	0	67.8	60.4	49.3
10-11 PM	2034	0.0	3000	2034	0	0.33	0	68.2	60.7	49.7
11PM-MID	1344	0.0	3000	1344	0	0.35	0	69.1	61.2	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0351
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,184
CONGESTED HOURS PER DAY*	0

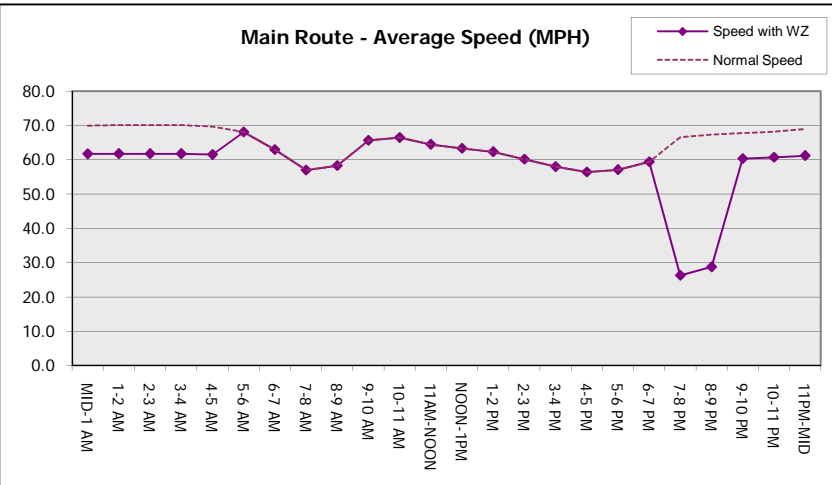
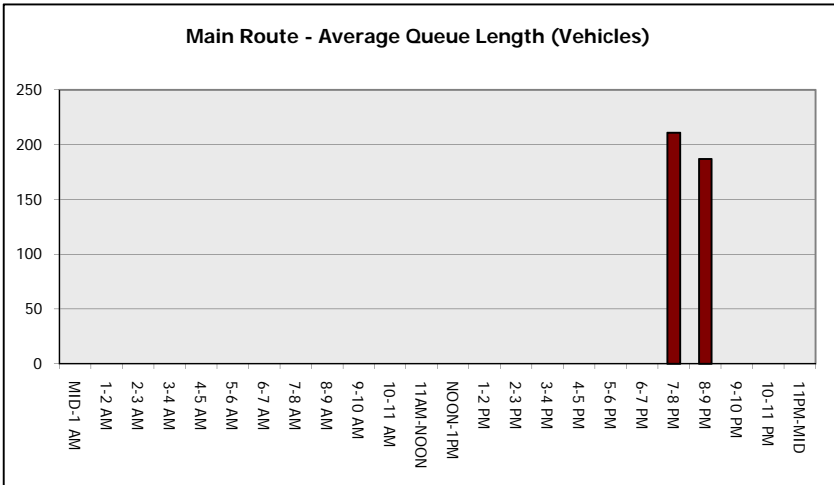
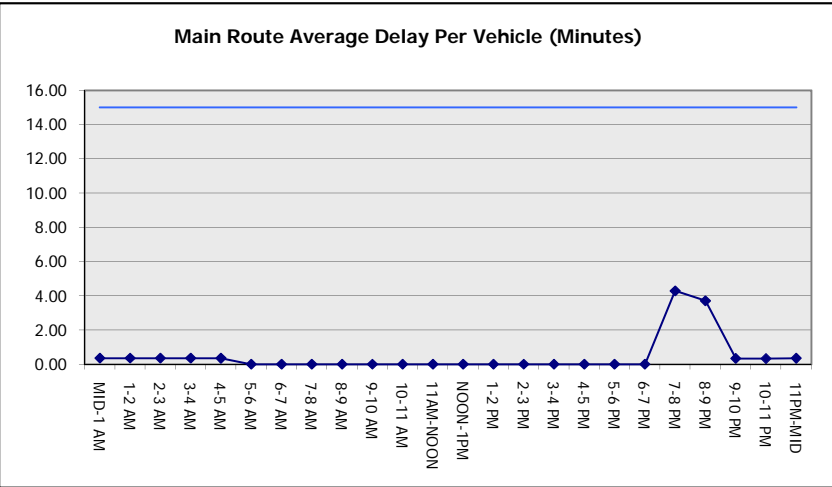
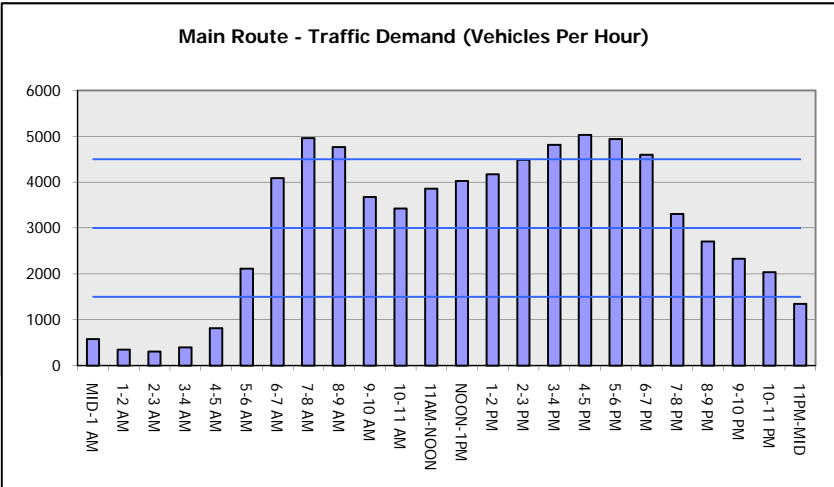
*Delays Exceeding User-Specified Maximum

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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	3000	533	0	0.36	0	70.0	61.7	49.7
1-2 AM	340	0.0	3000	340	0	0.36	0	70.2	61.8	49.7
2-3 AM	294	0.0	3000	294	0	0.36	0	70.2	61.8	49.7
3-4 AM	353	0.0	3000	353	0	0.36	0	70.2	61.8	49.7
4-5 AM	693	0.0	3000	693	0	0.36	0	69.9	61.7	49.7
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	OFF	3816	0	0.00	0	64.8	64.8	64.8
11AM-NOON	4172	0.0	OFF	4172	0	0.00	0	62.3	62.3	62.3
NOON-1PM	4228	0.0	OFF	4228	0	0.00	0	62.0	62.0	62.0
1-2 PM	4321	0.0	OFF	4321	0	0.00	0	61.4	61.4	61.4
2-3 PM	4662	0.0	OFF	4662	0	0.00	0	59.0	59.0	59.0
3-4 PM	4855	0.0	OFF	4855	0	0.00	0	57.7	57.7	57.7
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	2999	2975	0	1.14	25	67.1	47.5	38.3
8-9 PM	2774	0.0	3000	2774	0	0.58	0	67.3	55.6	41.0
9-10 PM	2391	0.0	3000	2391	0	0.33	0	67.8	60.5	49.6
10-11 PM	1698	0.0	3000	1698	0	0.34	0	68.6	61.0	49.7
11PM-MID	1167	0.0	3000	1167	0	0.35	0	69.3	61.4	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0359
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,733
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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

