

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

SUNDAY 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	950	0.0	3000	950	0	0.35	0	69.6	61.5	49.7
1-2 AM	643	0.0	3000	643	0	0.36	0	69.9	61.7	49.7
2-3 AM	278	0.0	3000	278	0	0.36	0	70.2	61.8	49.7
3-4 AM	208	0.0	3000	208	0	0.36	0	70.2	61.8	49.7
4-5 AM	114	0.0	3000	114	0	0.36	0	70.2	61.8	49.7
5-6 AM	187	0.0	3000	187	0	0.36	0	70.2	61.8	49.7
6-7 AM	300	0.0	3000	300	0	0.36	0	70.2	61.8	49.7
7-8 AM	830	0.0	3000	830	0	0.35	0	69.7	61.5	49.7
8-9 AM	915	0.0	3000	915	0	0.35	0	69.6	61.5	49.7
9-10 AM	1953	0.0	OFF	1953	0	0.00	0	68.3	68.3	68.3
10-11 AM	2382	0.0	OFF	2382	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2688	0.0	OFF	2688	0	0.00	0	67.4	67.4	67.4
NOON-1PM	3665	0.0	OFF	3665	0	0.00	0	65.8	65.8	65.8
1-2 PM	3841	0.0	OFF	3841	0	0.00	0	64.6	64.6	64.6
2-3 PM	3616	0.0	OFF	3616	0	0.00	0	66.1	66.1	66.1
3-4 PM	3695	0.0	OFF	3695	0	0.00	0	65.6	65.6	65.6
4-5 PM	3748	0.0	OFF	3748	0	0.00	0	65.3	65.3	65.3
5-6 PM	3545	0.0	OFF	3545	0	0.00	0	66.3	66.3	66.3
6-7 PM	3208	0.0	OFF	3208	0	0.00	0	66.8	66.8	66.8
7-8 PM	2316	0.0	3000	2316	0	0.33	0	67.9	60.5	49.7
8-9 PM	1702	0.0	3000	1702	0	0.34	0	68.6	61.0	49.7
9-10 PM	1359	0.0	3000	1359	0	0.34	0	69.1	61.2	49.7
10-11 PM	1202	0.0	3000	1202	0	0.35	0	69.2	61.3	49.7
11PM-MID	576	0.0	3000	576	0	0.36	0	70.0	61.7	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	0.0217
MAIN ROUTE WITH WORKS	0.0209
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$928
CONGESTED HOURS PER DAY*	0

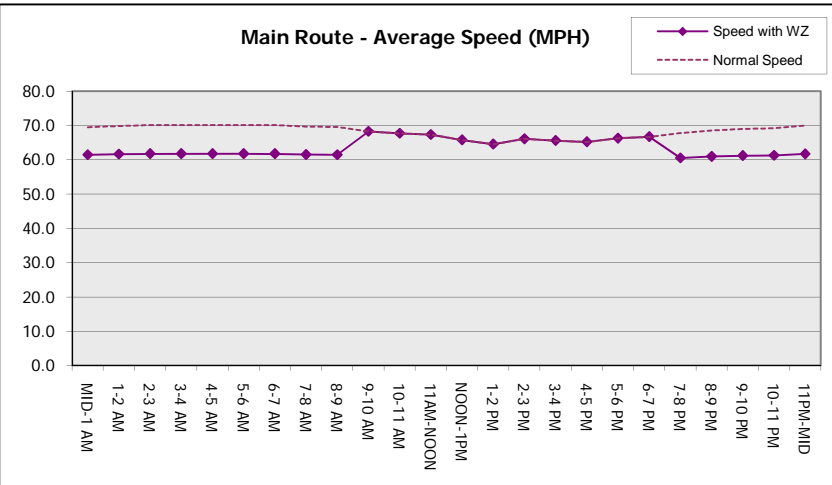
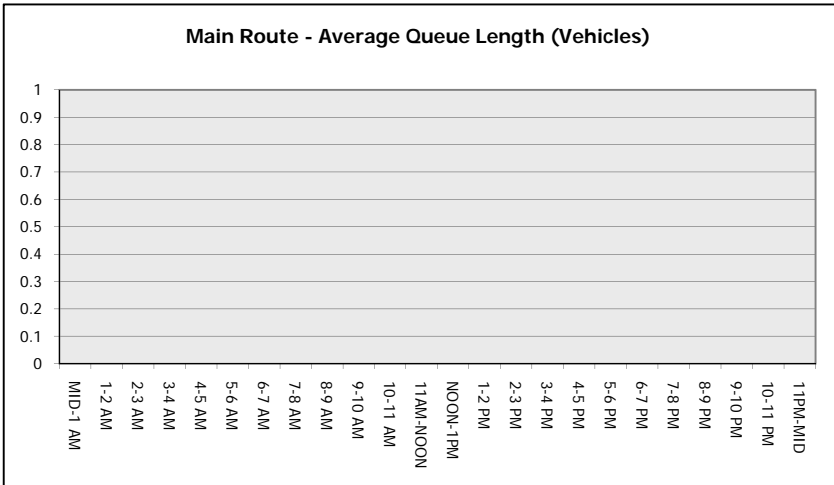
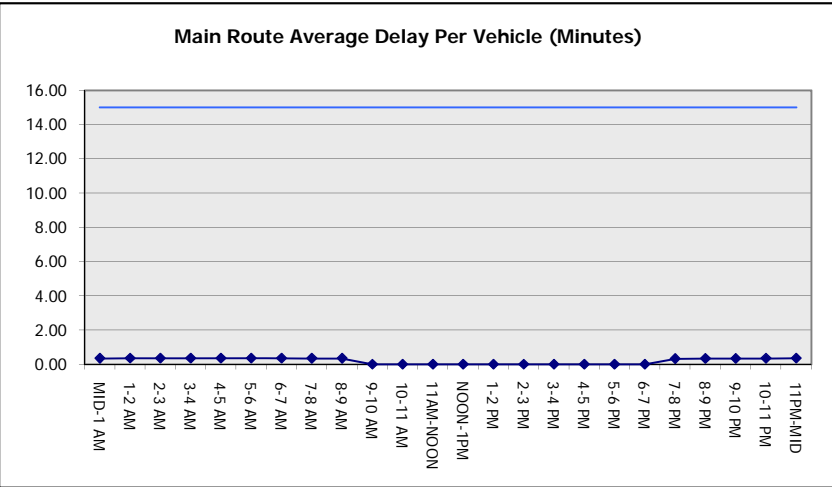
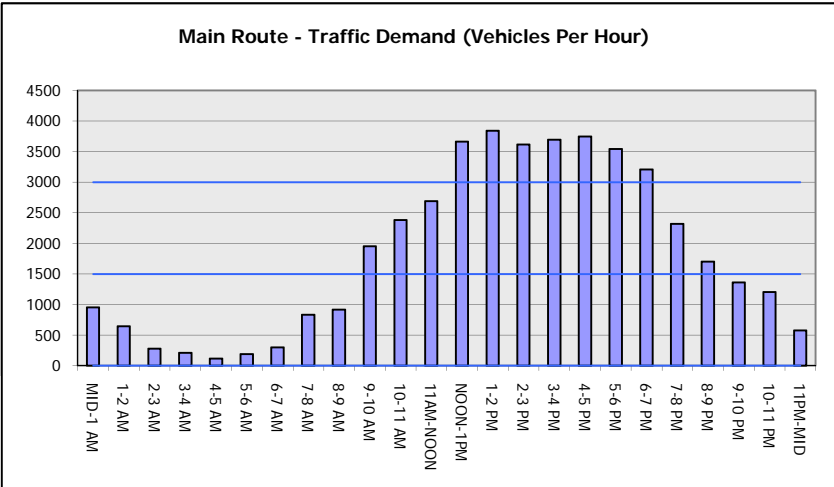
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	653	0.0	3000	653	0	0.36	0	69.9	61.7	49.7
1-2 AM	329	0.0	3000	329	0	0.36	0	70.2	61.8	49.7
2-3 AM	154	0.0	3000	154	0	0.36	0	70.2	61.8	49.7
3-4 AM	141	0.0	3000	141	0	0.36	0	70.2	61.8	49.7
4-5 AM	108	0.0	3000	108	0	0.36	0	70.2	61.8	49.7
5-6 AM	146	0.0	3000	146	0	0.36	0	70.2	61.8	49.7
6-7 AM	271	0.0	3000	271	0	0.36	0	70.2	61.8	49.7
7-8 AM	735	0.0	3000	735	0	0.35	0	69.8	61.6	49.7
8-9 AM	909	0.0	3000	909	0	0.35	0	69.6	61.5	49.7
9-10 AM	1983	0.0	OFF	1983	0	0.00	0	68.2	68.2	68.2
10-11 AM	2550	0.0	OFF	2550	0	0.00	0	67.6	67.6	67.6
11AM-NOON	3146	0.0	OFF	3146	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3846	0.0	OFF	3846	0	0.00	0	64.6	64.6	64.6
1-2 PM	3929	0.0	OFF	3929	0	0.00	0	64.0	64.0	64.0
2-3 PM	3765	0.0	OFF	3765	0	0.00	0	65.1	65.1	65.1
3-4 PM	3736	0.0	OFF	3736	0	0.00	0	65.3	65.3	65.3
4-5 PM	3981	0.0	OFF	3981	0	0.00	0	63.7	63.7	63.7
5-6 PM	3830	0.0	OFF	3830	0	0.00	0	64.7	64.7	64.7
6-7 PM	3637	0.0	OFF	3637	0	0.00	0	66.0	66.0	66.0
7-8 PM	2727	0.0	3000	2727	0	0.55	0	67.3	56.1	41.9
8-9 PM	2211	0.0	3000	2211	0	0.33	0	68.0	60.7	49.7
9-10 PM	1737	0.0	3000	1737	0	0.34	0	68.6	61.0	49.7
10-11 PM	1352	0.0	3000	1352	0	0.35	0	69.1	61.2	49.7
11PM-MID	525	0.0	3000	525	0	0.36	0	70.1	61.7	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	0.0229
MAIN ROUTE WITH WORKS	0.0221
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,093
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION**

