

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

FRIDAY 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	149	0.0	3000	149	0	0.36	0	70.2	61.8	49.7
1-2 AM	26	0.0	3000	26	0	0.36	0	70.2	61.8	49.7
2-3 AM	161	0.0	3000	161	0	0.36	0	70.2	61.8	49.7
3-4 AM	24	0.0	3000	24	0	0.36	0	70.2	61.8	49.7
4-5 AM	75	0.0	3000	75	0	0.36	0	70.2	61.8	49.7
5-6 AM	148	0.0	OFF	148	0	0.00	0	70.2	70.2	70.2
6-7 AM	213	0.0	OFF	213	0	0.00	0	70.2	70.2	70.2
7-8 AM	151	0.0	OFF	151	0	0.00	0	70.2	70.2	70.2
8-9 AM	3246	0.0	OFF	3246	0	0.00	0	66.7	66.7	66.7
9-10 AM	2363	0.0	OFF	2363	0	0.00	0	67.8	67.8	67.8
10-11 AM	1522	0.0	OFF	1522	0	0.00	0	68.9	68.9	68.9
11AM-NOON	2196	0.0	OFF	2196	0	0.00	0	68.0	68.0	68.0
NOON-1PM	152	0.0	OFF	152	0	0.00	0	70.2	70.2	70.2
1-2 PM	2823	0.0	OFF	2823	0	0.00	0	67.3	67.3	67.3
2-3 PM	4964	0.0	OFF	4964	0	0.00	0	56.9	56.9	56.9
3-4 PM	5384	0.0	OFF	5384	0	0.00	0	54.1	54.1	54.1
4-5 PM	5218	0.0	OFF	5218	0	0.00	0	55.2	55.2	55.2
5-6 PM	5462	0.0	OFF	5462	0	0.00	0	53.5	53.5	53.5
6-7 PM	4132	0.0	OFF	4132	0	0.00	0	62.6	62.6	62.6
7-8 PM	3291	0.0	2999	3291	0	3.74	180	66.6	28.5	37.3
8-9 PM	3007	0.0	2999	3007	0	6.47	316	67.0	20.1	37.3
9-10 PM	2603	0.0	2999	2603	0	2.32	131	67.5	36.6	41.3
10-11 PM	2305	0.0	3000	2305	0	0.33	0	67.9	60.6	49.7
11PM-MID	1826	0.0	3000	1826	0	0.34	0	68.4	60.9	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	0.0254
MAIN ROUTE WITH WORKS	0.0245
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$9,785
CONGESTED HOURS PER DAY*	0

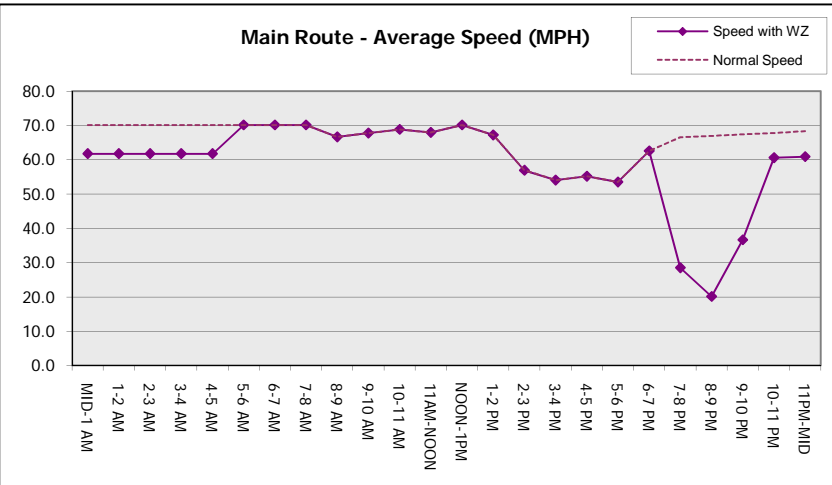
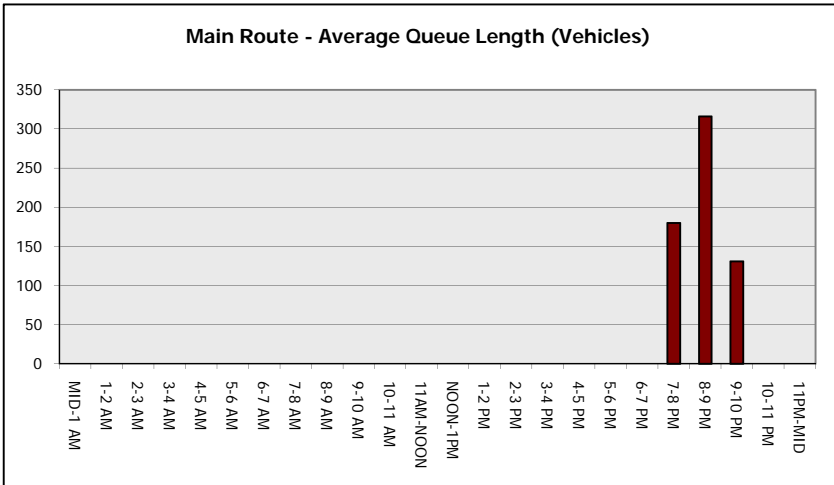
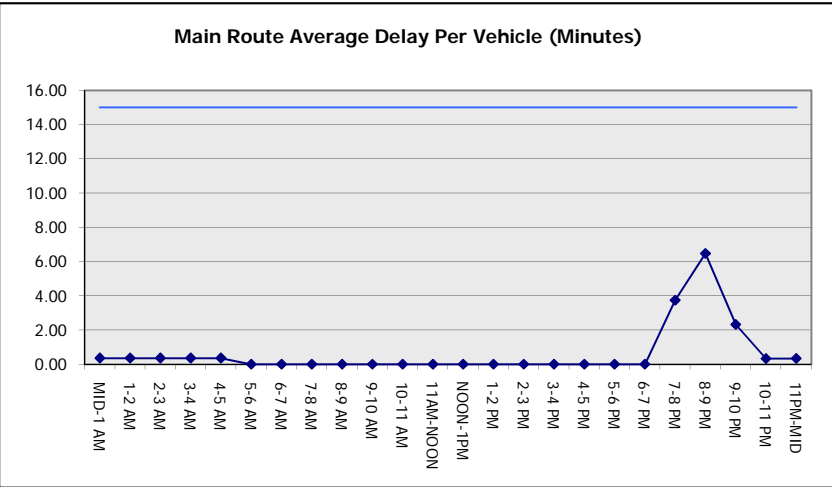
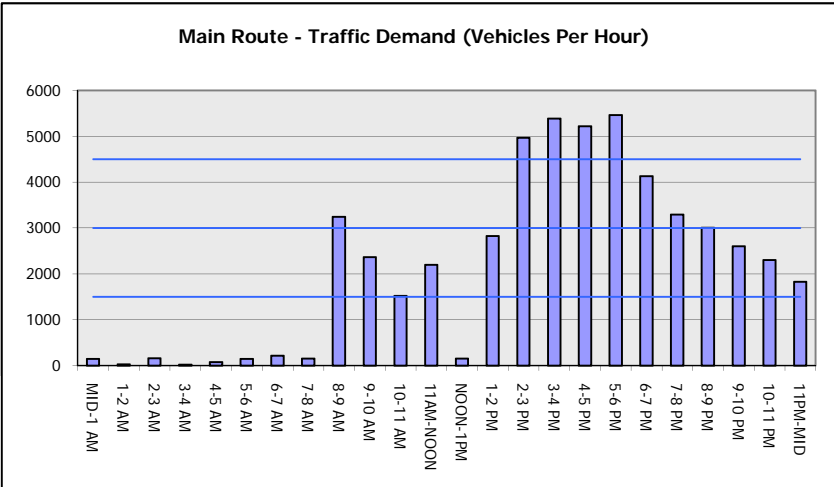
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	88	0.0	3000	88	0	0.36	0	70.2	61.8	49.7
1-2 AM	26	0.0	3000	26	0	0.36	0	70.2	61.8	49.7
2-3 AM	102	0.0	3000	102	0	0.36	0	70.2	61.8	49.7
3-4 AM	14	0.0	3000	14	0	0.36	0	70.2	61.8	49.7
4-5 AM	75	0.0	3000	75	0	0.36	0	70.2	61.8	49.7
5-6 AM	97	0.0	OFF	97	0	0.00	0	70.2	70.2	70.2
6-7 AM	246	0.0	OFF	246	0	0.00	0	70.2	70.2	70.2
7-8 AM	132	0.0	OFF	132	0	0.00	0	70.2	70.2	70.2
8-9 AM	3178	0.0	OFF	3178	0	0.00	0	66.8	66.8	66.8
9-10 AM	2346	0.0	OFF	2346	0	0.00	0	67.8	67.8	67.8
10-11 AM	1469	0.0	OFF	1469	0	0.00	0	68.9	68.9	68.9
11AM-NOON	2157	0.0	OFF	2157	0	0.00	0	68.1	68.1	68.1
NOON-1PM	117	0.0	OFF	117	0	0.00	0	70.2	70.2	70.2
1-2 PM	2342	0.0	OFF	2342	0	0.00	0	67.8	67.8	67.8
2-3 PM	5085	0.0	OFF	5085	0	0.00	0	56.1	56.1	56.1
3-4 PM	5502	0.0	OFF	5502	0	0.00	0	53.3	53.3	53.3
4-5 PM	5276	0.0	OFF	5276	0	0.00	0	54.8	54.8	54.8
5-6 PM	5137	0.0	OFF	5137	0	0.00	0	55.8	55.8	55.8
6-7 PM	4132	0.0	OFF	4132	0	0.00	0	62.6	62.6	62.6
7-8 PM	3410	0.0	2999	3410	0	4.68	242	66.5	24.9	37.3
8-9 PM	2920	0.0	2999	2920	0	7.84	392	67.1	17.5	37.3
9-10 PM	2676	0.0	2999	2676	0	3.74	192	67.4	28.6	39.2
10-11 PM	2150	0.0	3000	2150	0	0.33	0	68.1	60.7	49.7
11PM-MID	1625	0.0	3000	1625	0	0.34	0	68.7	61.0	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	0.0248
MAIN ROUTE WITH WORKS	0.0240
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$12,494
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

