

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	509	0.0	3000	509	0	0.36	0	70.1	61.7	49.7
1-2 AM	327	0.0	3000	327	0	0.36	0	70.2	61.8	49.7
2-3 AM	317	0.0	3000	317	0	0.36	0	70.2	61.8	49.7
3-4 AM	377	0.0	3000	377	0	0.36	0	70.2	61.8	49.7
4-5 AM	689	0.0	3000	689	0	0.36	0	69.9	61.7	49.7
5-6 AM	1965	0.0	OFF	1965	0	0.00	0	68.3	68.3	68.3
6-7 AM	4580	0.0	OFF	4580	0	0.00	0	59.6	59.6	59.6
7-8 AM	5493	0.0	OFF	5493	0	0.00	0	53.3	53.3	53.3
8-9 AM	4732	0.0	OFF	4732	0	0.00	0	58.5	58.5	58.5
9-10 AM	3207	0.0	OFF	3207	0	0.00	0	66.8	66.8	66.8
10-11 AM	3024	0.0	OFF	3024	0	0.00	0	67.0	67.0	67.0
11AM-NOON	3329	0.0	OFF	3329	0	0.00	0	66.6	66.6	66.6
NOON-1PM	3740	0.0	OFF	3740	0	0.00	0	65.3	65.3	65.3
1-2 PM	4077	0.0	OFF	4077	0	0.00	0	63.0	63.0	63.0
2-3 PM	4308	0.0	OFF	4308	0	0.00	0	61.4	61.4	61.4
3-4 PM	4596	0.0	OFF	4596	0	0.00	0	59.4	59.4	59.4
4-5 PM	5131	0.0	OFF	5131	0	0.00	0	55.8	55.8	55.8
5-6 PM	4720	0.0	OFF	4720	0	0.00	0	58.6	58.6	58.6
6-7 PM	3746	0.0	OFF	3746	0	0.00	0	65.3	65.3	65.3
7-8 PM	2639	0.0	3000	2639	0	0.49	0	67.4	57.2	43.7
8-9 PM	1919	0.0	3000	1919	0	0.34	0	68.4	60.9	49.7
9-10 PM	1899	0.0	3000	1899	0	0.34	0	68.4	60.9	49.7
10-11 PM	1506	0.0	3000	1506	0	0.34	0	68.9	61.1	49.7
11PM-MID	946	0.0	3000	946	0	0.35	0	69.6	61.5	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	0.0334
MAIN ROUTE WITH WORKS	0.0327
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$852
CONGESTED HOURS PER DAY*	0

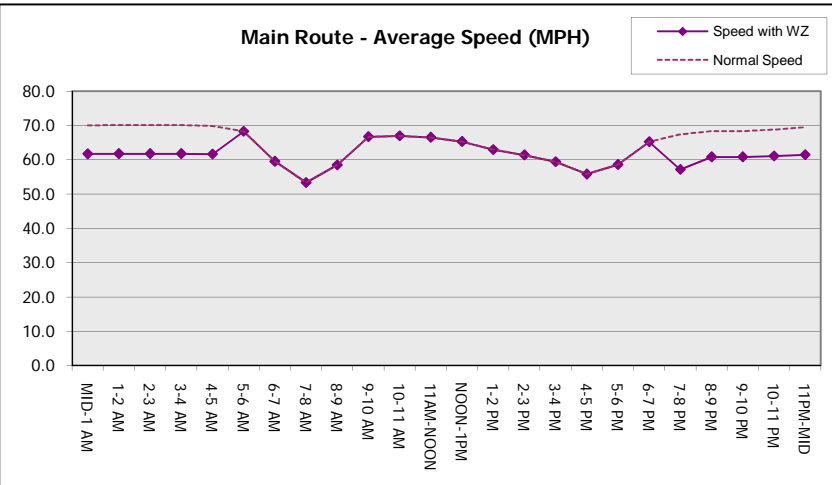
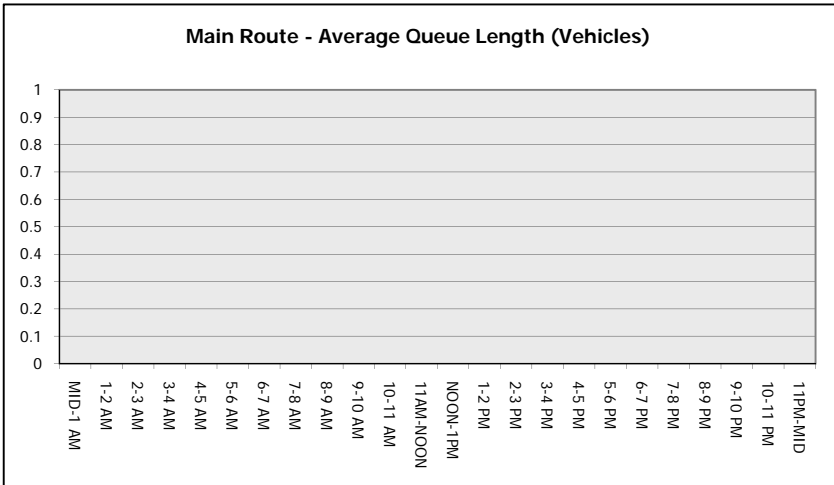
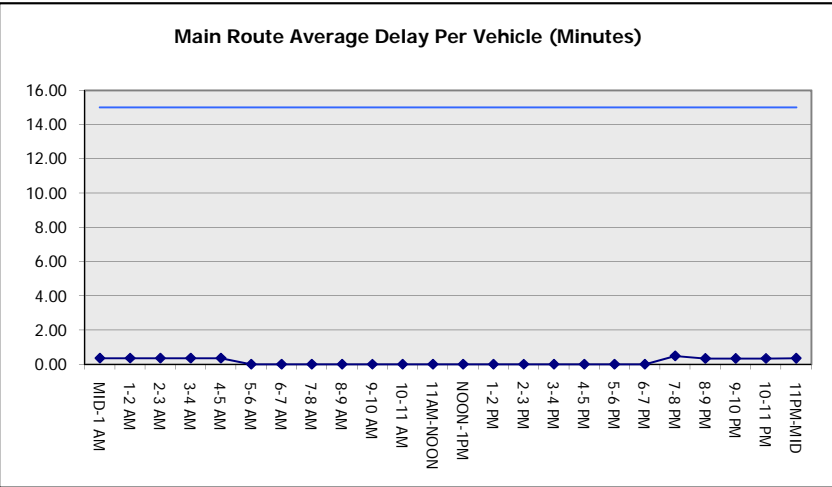
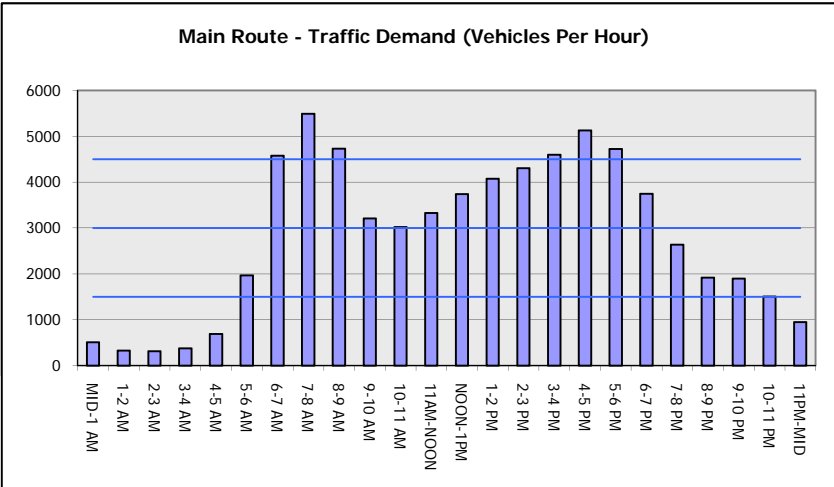
*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE
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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	482	0.0	3000	482	0	0.36	0	70.1	61.8	49.7
1-2 AM	283	0.0	3000	283	0	0.36	0	70.2	61.8	49.7
2-3 AM	261	0.0	3000	261	0	0.36	0	70.2	61.8	49.7
3-4 AM	305	0.0	3000	305	0	0.36	0	70.2	61.8	49.7
4-5 AM	615	0.0	3000	615	0	0.36	0	70.0	61.7	49.7
5-6 AM	1941	0.0	OFF	1941	0	0.00	0	68.3	68.3	68.3
6-7 AM	5206	0.0	OFF	5206	0	0.00	0	55.3	55.3	55.3
7-8 AM	5717	0.0	OFF	5717	0	0.00	0	51.8	51.8	51.8
8-9 AM	4806	0.0	OFF	4806	0	0.00	0	58.0	58.0	58.0
9-10 AM	3498	0.0	OFF	3498	0	0.00	0	66.4	66.4	66.4
10-11 AM	3219	0.0	OFF	3219	0	0.00	0	66.8	66.8	66.8
11AM-NOON	3340	0.0	OFF	3340	0	0.00	0	66.6	66.6	66.6
NOON-1PM	3557	0.0	OFF	3557	0	0.00	0	66.3	66.3	66.3
1-2 PM	3870	0.0	OFF	3870	0	0.00	0	64.4	64.4	64.4
2-3 PM	4053	0.0	OFF	4053	0	0.00	0	63.2	63.2	63.2
3-4 PM	4283	0.0	OFF	4283	0	0.00	0	61.6	61.6	61.6
4-5 PM	4773	0.0	OFF	4773	0	0.00	0	58.2	58.2	58.2
5-6 PM	4446	0.0	OFF	4446	0	0.00	0	60.5	60.5	60.5
6-7 PM	3454	0.0	OFF	3454	0	0.00	0	66.4	66.4	66.4
7-8 PM	2589	0.0	3000	2589	0	0.46	0	67.5	57.9	44.8
8-9 PM	2141	0.0	3000	2141	0	0.33	0	68.1	60.7	49.7
9-10 PM	2045	0.0	3000	2045	0	0.33	0	68.2	60.7	49.7
10-11 PM	1456	0.0	3000	1456	0	0.34	0	68.9	61.2	49.7
11PM-MID	999	0.0	3000	999	0	0.35	0	69.5	61.4	49.7

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

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

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

MAIN ROUTE WITHOUT WORKS	0.0332
MAIN ROUTE WITH WORKS	0.0325
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$829
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

