

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	487	0.0	3000	487	0	0.36	0	70.1	61.8	49.7
1-2 AM	290	0.0	3000	290	0	0.36	0	70.2	61.8	49.7
2-3 AM	272	0.0	3000	272	0	0.36	0	70.2	61.8	49.7
3-4 AM	345	0.0	3000	345	0	0.36	0	70.2	61.8	49.7
4-5 AM	713	0.0	3000	713	0	0.36	0	69.9	61.6	49.7
5-6 AM	2019	0.0	OFF	2019	0	0.00	0	68.2	68.2	68.2
6-7 AM	4050	0.0	OFF	4050	0	0.00	0	63.2	63.2	63.2
7-8 AM	5016	0.0	OFF	5016	0	0.00	0	56.6	56.6	56.6
8-9 AM	4828	0.0	OFF	4828	0	0.00	0	57.9	57.9	57.9
9-10 AM	3654	0.0	OFF	3654	0	0.00	0	65.9	65.9	65.9
10-11 AM	3495	0.0	OFF	3495	0	0.00	0	66.4	66.4	66.4
11AM-NOON	3846	0.0	OFF	3846	0	0.00	0	64.6	64.6	64.6
NOON-1PM	4152	0.0	OFF	4152	0	0.00	0	62.5	62.5	62.5
1-2 PM	4292	0.0	OFF	4292	0	0.00	0	61.5	61.5	61.5
2-3 PM	4876	0.0	OFF	4876	0	0.00	0	57.6	57.6	57.6
3-4 PM	5766	0.0	OFF	5766	0	0.00	0	51.5	51.5	51.5
4-5 PM	5664	0.0	OFF	5664	0	0.00	0	52.2	52.2	52.2
5-6 PM	5454	0.0	OFF	5454	0	0.00	0	53.6	53.6	53.6
6-7 PM	4386	0.0	OFF	4386	0	0.00	0	60.9	60.9	60.9
7-8 PM	2910	0.0	2999	2910	0	1.16	32	67.1	47.3	40.0
8-9 PM	2270	0.0	3000	2270	0	0.33	0	67.9	60.6	49.7
9-10 PM	2039	0.0	3000	2039	0	0.33	0	68.2	60.7	49.7
10-11 PM	1476	0.0	3000	1476	0	0.34	0	68.9	61.1	49.7
11PM-MID	1016	0.0	3000	1016	0	0.35	0	69.5	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	0.0362
MAIN ROUTE WITH WORKS	0.0354
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,321
CONGESTED HOURS PER DAY*	0

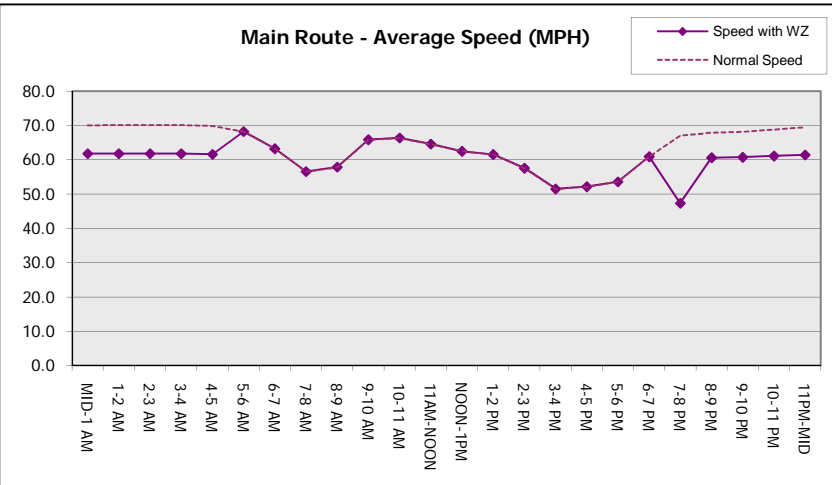
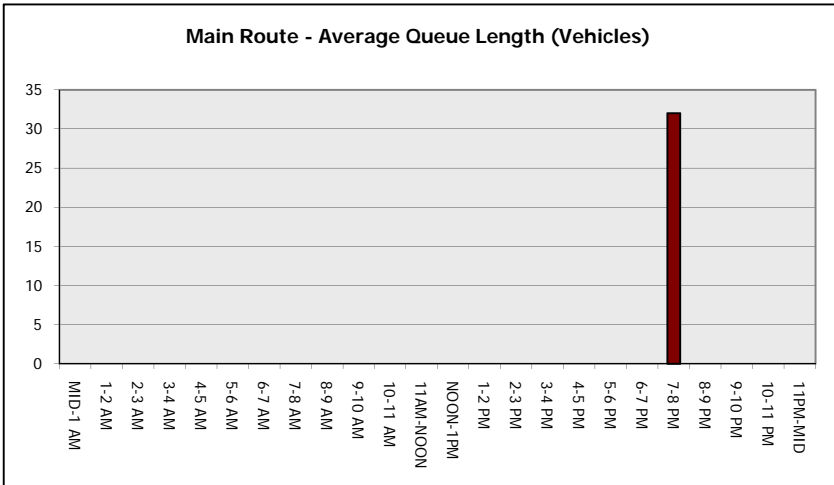
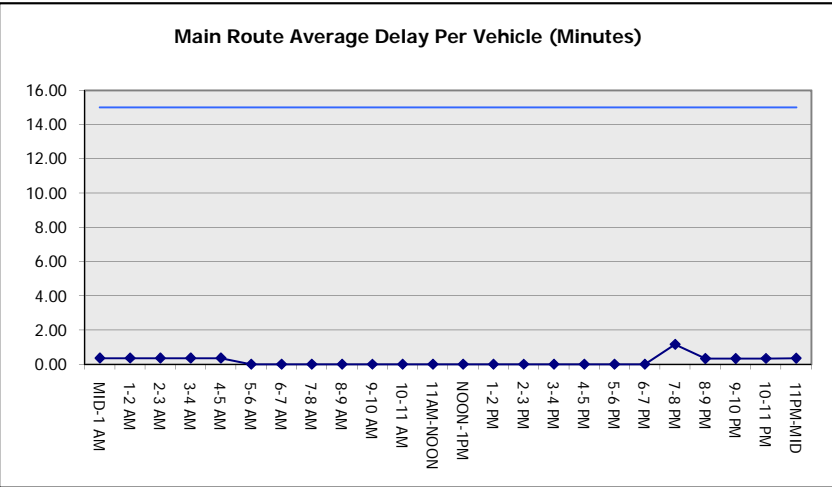
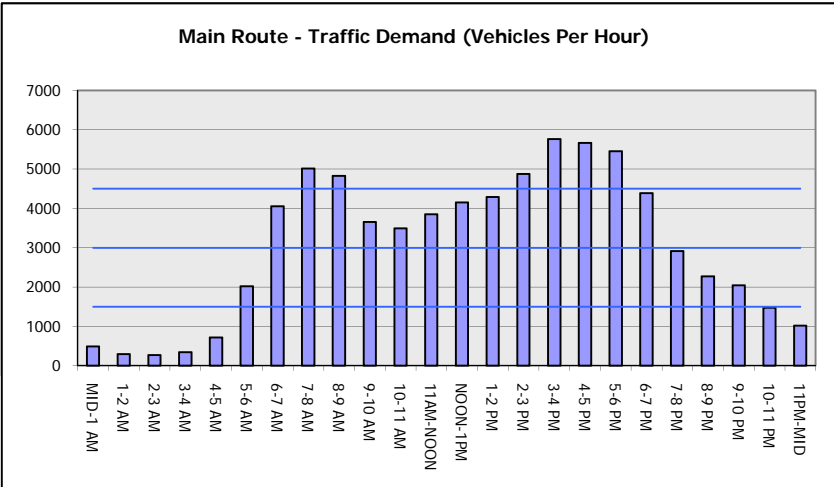
*Delays Exceeding User-Specified Maximum

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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	481	0.0	3000	481	0	0.36	0	70.1	61.8	49.7
1-2 AM	302	0.0	3000	302	0	0.36	0	70.2	61.8	49.7
2-3 AM	257	0.0	3000	257	0	0.36	0	70.2	61.8	49.7
3-4 AM	320	0.0	3000	320	0	0.36	0	70.2	61.8	49.7
4-5 AM	614	0.0	3000	614	0	0.36	0	70.0	61.7	49.7
5-6 AM	2068	0.0	OFF	2068	0	0.00	0	68.2	68.2	68.2
6-7 AM	5066	0.0	OFF	5066	0	0.00	0	56.3	56.3	56.3
7-8 AM	5380	0.0	OFF	5380	0	0.00	0	54.1	54.1	54.1
8-9 AM	5059	0.0	OFF	5059	0	0.00	0	56.3	56.3	56.3
9-10 AM	4289	0.0	OFF	4289	0	0.00	0	61.5	61.5	61.5
10-11 AM	3809	0.0	OFF	3809	0	0.00	0	64.8	64.8	64.8
11AM-NOON	3964	0.0	OFF	3964	0	0.00	0	63.8	63.8	63.8
NOON-1PM	4151	0.0	OFF	4151	0	0.00	0	62.5	62.5	62.5
1-2 PM	4223	0.0	OFF	4223	0	0.00	0	62.0	62.0	62.0
2-3 PM	4849	0.0	OFF	4849	0	0.00	0	57.8	57.8	57.8
3-4 PM	5524	0.0	OFF	5524	0	0.00	0	53.1	53.1	53.1
4-5 PM	5528	0.0	OFF	5528	0	0.00	0	53.1	53.1	53.1
5-6 PM	5237	0.0	OFF	5237	0	0.00	0	55.1	55.1	55.1
6-7 PM	3902	0.0	OFF	3902	0	0.00	0	64.2	64.2	64.2
7-8 PM	2810	0.0	3000	2810	0	0.60	0	67.3	55.1	40.4
8-9 PM	2489	0.0	3000	2489	0	0.39	0	67.6	59.1	47.1
9-10 PM	2309	0.0	3000	2309	0	0.33	0	67.9	60.5	49.7
10-11 PM	1630	0.0	3000	1630	0	0.34	0	68.7	61.0	49.7
11PM-MID	1059	0.0	3000	1059	0	0.35	0	69.4	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	0.0372
MAIN ROUTE WITH WORKS	0.0364
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,041
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**

