

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) OFF-PEAK DAY 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	OFF	149	0	0.00	0	70.2	70.2	70.2
1-2 AM	26	0.0	OFF	26	0	0.00	0	70.2	70.2	70.2
2-3 AM	161	0.0	OFF	161	0	0.00	0	70.2	70.2	70.2
3-4 AM	24	0.0	OFF	24	0	0.00	0	70.2	70.2	70.2
4-5 AM	75	0.0	OFF	75	0	0.00	0	70.2	70.2	70.2
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	3000	1522	0	0.34	0	68.9	61.1	49.7
11AM-NOON	2196	0.0	3000	2196	0	0.33	0	68.0	60.7	49.7
NOON-1PM	152	0.0	3000	152	0	0.36	0	70.2	61.8	49.7
1-2 PM	2823	0.0	2999	2823	0	1.16	53	67.3	47.4	43.5
2-3 PM	4964	0.0	3000	3754	1210	13.17+	748	56.9	12.9	37.3
3-4 PM	5384	0.0	OFF	5384	0	6.88	658	54.1	18.0	18.0
4-5 PM	5218	0.0	OFF	5218	0	0.94	78	55.2	43.2	43.2
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	OFF	3291	0	0.00	0	66.6	66.6	66.6
8-9 PM	3007	0.0	OFF	3007	0	0.00	0	67.0	67.0	67.0
9-10 PM	2603	0.0	OFF	2603	0	0.00	0	67.5	67.5	67.5
10-11 PM	2305	0.0	OFF	2305	0	0.00	0	67.9	67.9	67.9
11PM-MID	1826	0.0	OFF	1826	0	0.00	0	68.4	68.4	68.4

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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	0.0241
'DIVERSION'	0.0014
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$12,950
CONGESTED HOURS PER DAY*	1

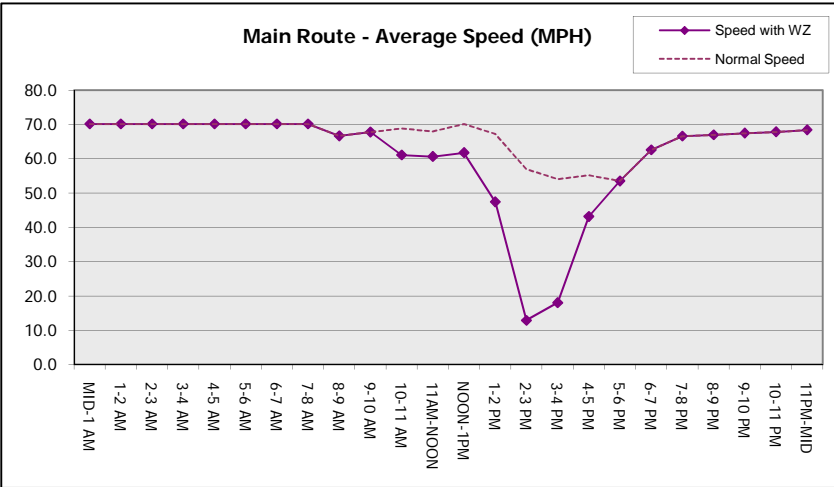
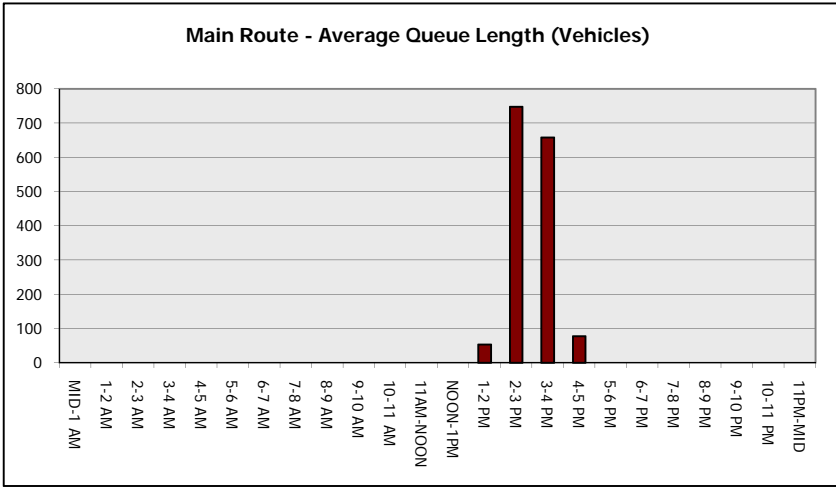
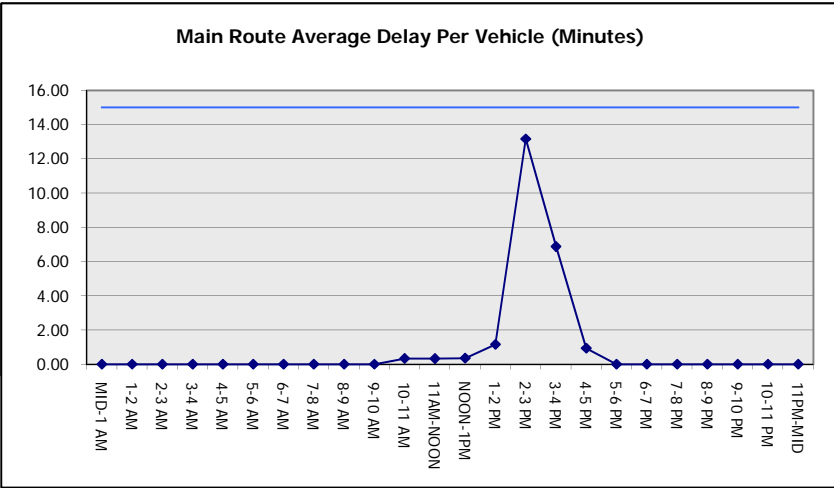
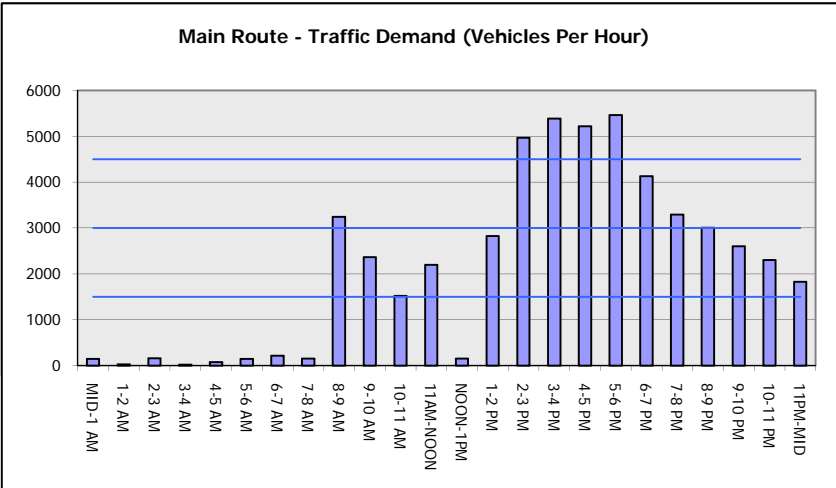
*Delays Exceeding User-Specified Maximum

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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	OFF	88	0	0.00	0	70.2	70.2	70.2
1-2 AM	26	0.0	OFF	26	0	0.00	0	70.2	70.2	70.2
2-3 AM	102	0.0	OFF	102	0	0.00	0	70.2	70.2	70.2
3-4 AM	14	0.0	OFF	14	0	0.00	0	70.2	70.2	70.2
4-5 AM	75	0.0	OFF	75	0	0.00	0	70.2	70.2	70.2
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	3000	1469	0	0.34	0	68.9	61.1	49.7
11AM-NOON	2157	0.0	3000	2157	0	0.33	0	68.1	60.7	49.7
NOON-1PM	117	0.0	3000	117	0	0.36	0	70.2	61.8	49.7
1-2 PM	2342	0.0	2999	2342	0	0.51	0	67.8	57.2	43.8
2-3 PM	5085	0.0	2999	3845	1240	11.17+	653	56.1	14.0	37.3
3-4 PM	5502	0.0	OFF	5502	0	6.20	595	53.3	19.2	19.2
4-5 PM	5276	0.0	OFF	5276	0	0.98	83	54.8	42.5	42.5
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	OFF	3410	0	0.00	0	66.5	66.5	66.5
8-9 PM	2920	0.0	OFF	2920	0	0.00	0	67.1	67.1	67.1
9-10 PM	2676	0.0	OFF	2676	0	0.00	0	67.4	67.4	67.4
10-11 PM	2150	0.0	OFF	2150	0	0.00	0	68.1	68.1	68.1
11PM-MID	1625	0.0	OFF	1625	0	0.00	0	68.7	68.7	68.7

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0236
'DIVERSION'	0.0014

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$11,403
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

