

IH 94: CTH G TO STH 16 (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	434	0.0	OFF	434	0	0.00	0	70.2	70.2	70.2
1-2 AM	271	0.0	OFF	271	0	0.00	0	70.2	70.2	70.2
2-3 AM	220	0.0	OFF	220	0	0.00	0	70.2	70.2	70.2
3-4 AM	236	0.0	OFF	236	0	0.00	0	70.2	70.2	70.2
4-5 AM	343	0.0	OFF	343	0	0.00	0	70.2	70.2	70.2
5-6 AM	800	0.0	OFF	800	0	0.00	0	69.7	69.7	69.7
6-7 AM	1727	0.0	OFF	1727	0	0.00	0	68.6	68.6	68.6
7-8 AM	2350	0.0	OFF	2350	0	0.00	0	67.8	67.8	67.8
8-9 AM	2602	0.0	OFF	2602	0	0.00	0	67.5	67.5	67.5
9-10 AM	2528	0.0	3000	2528	0	0.42	0	67.6	60.3	46.1
10-11 AM	2905	0.0	2999	2905	0	0.67	0	67.1	56.4	38.8
11AM-NOON	2977	0.0	2999	2977	0	0.76	2	67.0	55.1	37.8
NOON-1PM	3274	0.0	3000	3274	0	3.00	139	66.7	36.0	37.3
1-2 PM	3283	0.0	2999	3283	0	8.02	411	66.6	20.3	37.3
2-3 PM	3760	0.0	3000	3305	455	14.58+	773	65.1	13.4	37.3
3-4 PM	4307	0.0	2999	2965	1342	15.35+	824	61.4	12.9	37.3
4-5 PM	4052	0.0	OFF	4052	0	2.17	180	63.2	39.9	39.9
5-6 PM	3902	0.0	OFF	3902	0	0.00	0	64.2	64.2	64.2
6-7 PM	3682	0.0	OFF	3682	0	0.00	0	65.7	65.7	65.7
7-8 PM	2485	0.0	OFF	2485	0	0.00	0	67.6	67.6	67.6
8-9 PM	1844	0.0	OFF	1844	0	0.00	0	68.4	68.4	68.4
9-10 PM	1535	0.0	OFF	1535	0	0.00	0	68.8	68.8	68.8
10-11 PM	1259	0.0	OFF	1259	0	0.00	0	69.2	69.2	69.2
11PM-MID	1036	0.0	OFF	1036	0	0.00	0	69.4	69.4	69.4

"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

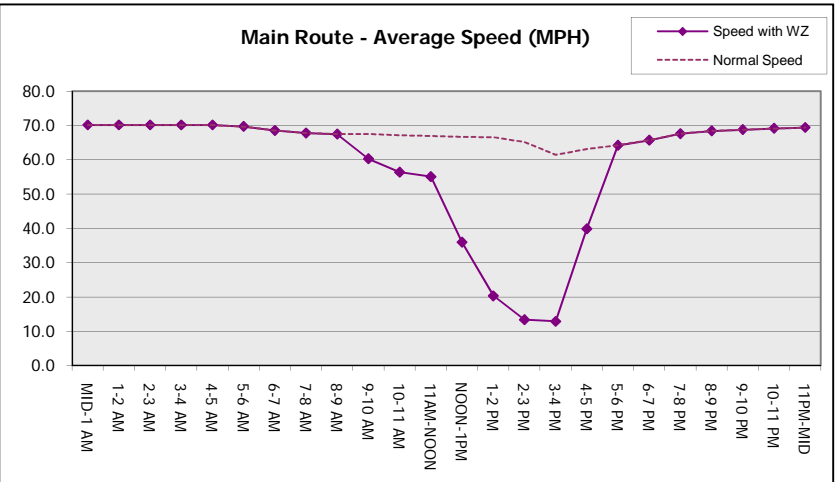
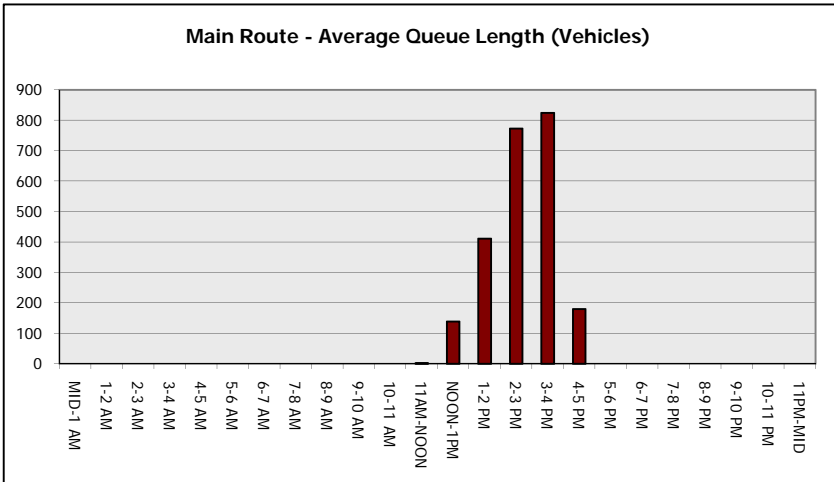
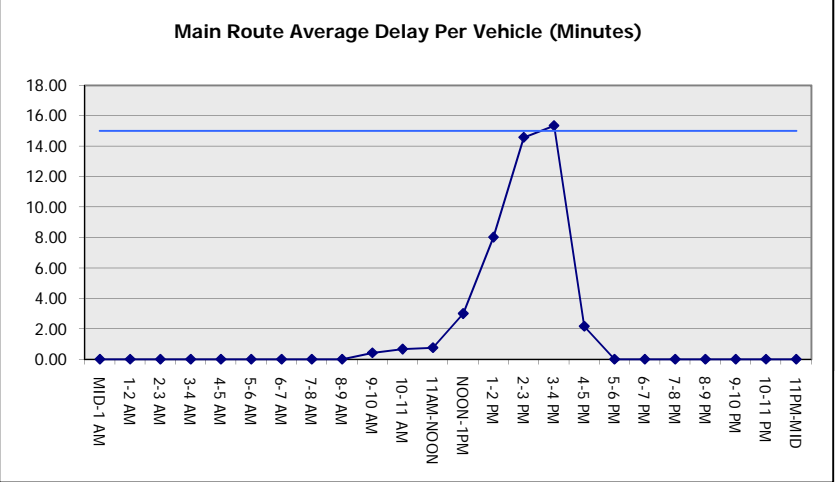
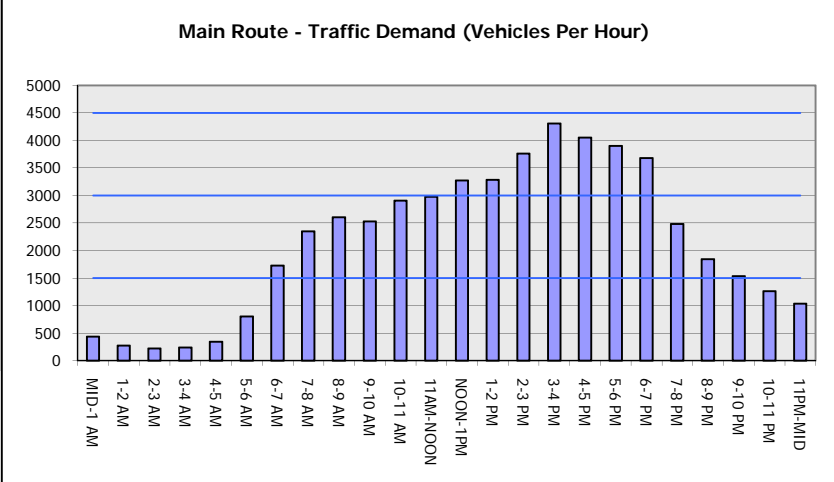
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0322
MAIN ROUTE WITH WORKS	0.0297
'DIVERSION'	0.0026
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,679
CONGESTED HOURS PER DAY*	2

*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	360	0.0	OFF	360	0	0.00	0	70.2	70.2	70.2
1-2 AM	232	0.0	OFF	232	0	0.00	0	70.2	70.2	70.2
2-3 AM	204	0.0	OFF	204	0	0.00	0	70.2	70.2	70.2
3-4 AM	232	0.0	OFF	232	0	0.00	0	70.2	70.2	70.2
4-5 AM	447	0.0	OFF	447	0	0.00	0	70.2	70.2	70.2
5-6 AM	1188	0.0	OFF	1188	0	0.00	0	69.2	69.2	69.2
6-7 AM	2410	0.0	OFF	2410	0	0.00	0	67.8	67.8	67.8
7-8 AM	3479	0.0	OFF	3479	0	0.00	0	66.4	66.4	66.4
8-9 AM	2865	0.0	OFF	2865	0	0.00	0	67.2	67.2	67.2
9-10 AM	2455	0.0	3000	2455	0	0.37	0	67.7	61.1	47.9
10-11 AM	2509	0.0	3000	2509	0	0.41	0	67.6	60.5	46.6
11AM-NOON	2533	0.0	3000	2533	0	0.42	0	67.6	60.2	46.0
NOON-1PM	2595	0.0	3000	2595	0	0.46	0	67.5	59.6	44.6
1-2 PM	2736	0.0	3000	2736	0	0.56	0	67.3	58.1	41.7
2-3 PM	2907	0.0	2999	2907	0	0.67	0	67.1	56.3	38.8
3-4 PM	3020	0.0	2999	3020	0	0.82	5	67.0	54.2	37.3
4-5 PM	3100	0.0	OFF	3100	0	0.00	0	66.9	66.8	66.8
5-6 PM	3079	0.0	OFF	3079	0	0.00	0	66.9	66.9	66.9
6-7 PM	2466	0.0	OFF	2466	0	0.00	0	67.7	67.7	67.7
7-8 PM	1944	0.0	OFF	1944	0	0.00	0	68.3	68.3	68.3
8-9 PM	1674	0.0	OFF	1674	0	0.00	0	68.7	68.7	68.7
9-10 PM	1620	0.0	OFF	1620	0	0.00	0	68.7	68.7	68.7
10-11 PM	1156	0.0	OFF	1156	0	0.00	0	69.3	69.3	69.3
11PM-MID	848	0.0	OFF	848	0	0.00	0	69.7	69.7	69.7

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

----- 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	0.0286
MAIN ROUTE WITH WORKS	0.0274
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,057
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

