

IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	449	0.0	OFF	449	0	0.00	0	70.2	70.2	70.2
1-2 AM	287	0.0	OFF	287	0	0.00	0	70.2	70.2	70.2
2-3 AM	263	0.0	OFF	263	0	0.00	0	70.2	70.2	70.2
3-4 AM	222	0.0	OFF	222	0	0.00	0	70.2	70.2	70.2
4-5 AM	308	0.0	OFF	308	0	0.00	0	70.2	70.2	70.2
5-6 AM	524	0.0	OFF	524	0	0.00	0	70.1	70.1	70.1
6-7 AM	1100	0.0	OFF	1100	0	0.00	0	69.4	69.4	69.4
7-8 AM	1485	0.0	OFF	1485	0	0.00	0	68.9	68.9	68.9
8-9 AM	2019	0.0	1499	1995	23	8.23+	234	68.2	20.1	30.8
9-10 AM	2158	0.0	1500	1411	746	15.99+	392	68.1	12.0	31.4
10-11 AM	2464	0.0	1500	1500	964	16.32+	400	67.7	11.9	30.8
11AM-NOON	2576	0.0	1500	1500	1076	16.31+	400	67.5	11.9	30.8
NOON-1PM	2708	0.0	1500	1500	1208	16.30+	400	67.4	11.9	30.8
1-2 PM	2596	0.0	1500	1500	1096	16.31+	400	67.5	11.9	30.8
2-3 PM	2455	0.0	1500	1500	955	16.32+	400	67.7	11.9	30.8
3-4 PM	2597	0.0	1500	1500	1097	16.31+	400	67.5	11.9	30.8
4-5 PM	2494	0.0	1500	1500	994	16.31+	400	67.6	11.9	30.8
5-6 PM	2076	0.0	1500	1500	576	16.34+	400	68.1	11.9	30.8
6-7 PM	1855	0.0	OFF	1855	0	0.23	19	68.4	64.2	64.2
7-8 PM	1313	0.0	OFF	1313	0	0.00	0	69.1	69.1	69.1
8-9 PM	1118	0.0	OFF	1118	0	0.00	0	69.4	69.4	69.4
9-10 PM	1127	0.0	OFF	1127	0	0.00	0	69.3	69.3	69.3
10-11 PM	879	0.0	OFF	879	0	0.00	0	69.6	69.6	69.6
11PM-MID	656	0.0	OFF	656	0	0.00	0	69.9	69.9	69.9

"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

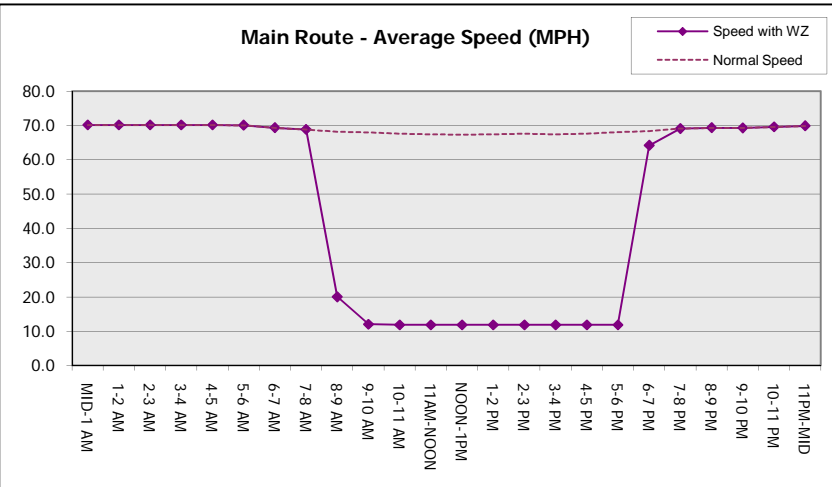
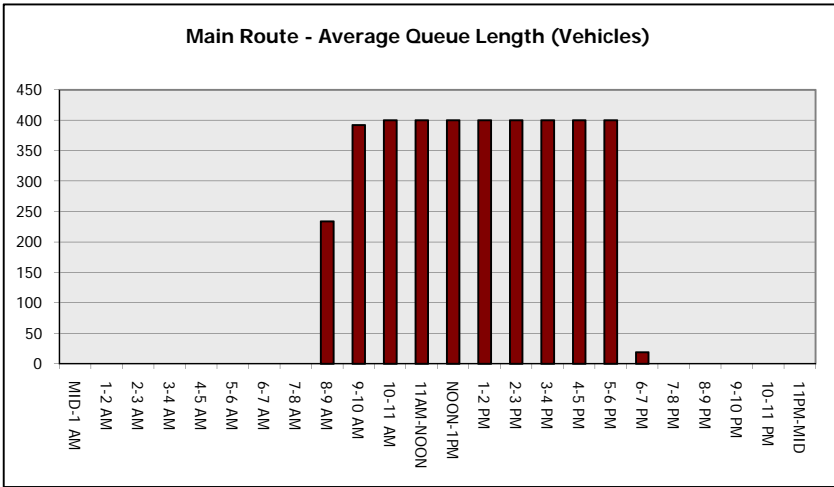
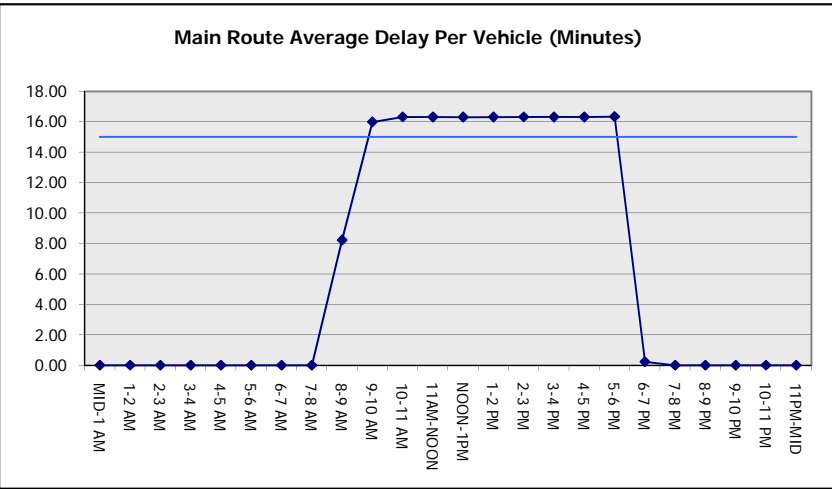
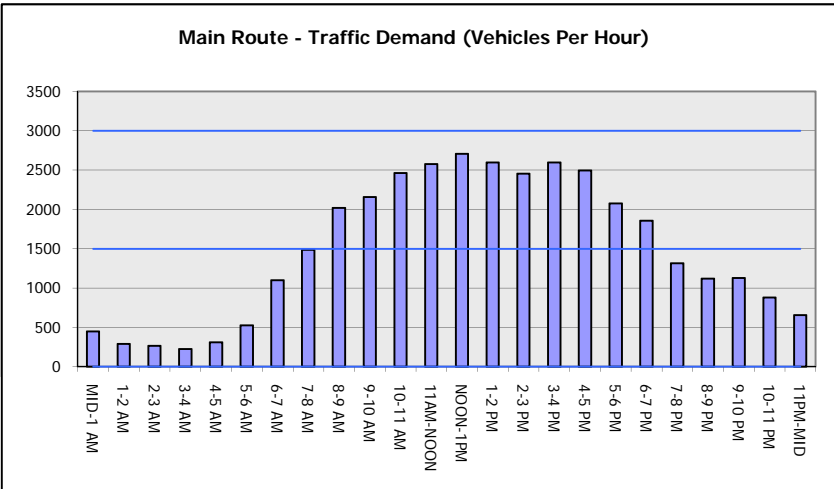
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0222
MAIN ROUTE WITH WORKS	0.0157
'DIVERSION'	0.0126
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$103,850
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	345	0.0	OFF	345	0	0.00	0	70.2	70.2	70.2
1-2 AM	222	0.0	OFF	222	0	0.00	0	70.2	70.2	70.2
2-3 AM	209	0.0	OFF	209	0	0.00	0	70.2	70.2	70.2
3-4 AM	153	0.0	OFF	153	0	0.00	0	70.2	70.2	70.2
4-5 AM	217	0.0	OFF	217	0	0.00	0	70.2	70.2	70.2
5-6 AM	397	0.0	OFF	397	0	0.00	0	70.2	70.2	70.2
6-7 AM	712	0.0	OFF	712	0	0.00	0	69.9	69.9	69.9
7-8 AM	1073	0.0	OFF	1073	0	0.00	0	69.4	69.4	69.4
8-9 AM	1613	0.0	1499	1613	0	2.15	33	68.7	42.1	30.8
9-10 AM	1818	0.0	1500	1818	0	10.13	256	68.5	17.3	30.8
10-11 AM	2087	0.0	1499	1500	587	16.34+	399	68.1	11.9	30.8
11AM-NOON	2296	0.0	1500	1500	796	16.33+	400	67.9	11.9	30.8
NOON-1PM	2237	0.0	1500	1500	737	16.33+	400	67.9	11.9	30.8
1-2 PM	2357	0.0	1500	1500	857	16.32+	400	67.8	11.9	30.8
2-3 PM	2390	0.0	1500	1500	890	16.32+	400	67.8	11.9	30.8
3-4 PM	2351	0.0	1500	1500	851	16.32+	400	67.8	11.9	30.8
4-5 PM	2484	0.0	1500	1500	984	16.32+	400	67.6	11.9	30.8
5-6 PM	2426	0.0	1500	1500	926	16.32+	400	67.7	11.9	30.8
6-7 PM	1918	0.0	OFF	1918	0	0.25	22	68.4	63.7	63.7
7-8 PM	1536	0.0	OFF	1536	0	0.00	0	68.8	68.8	68.8
8-9 PM	1496	0.0	OFF	1496	0	0.00	0	68.9	68.9	68.9
9-10 PM	1257	0.0	OFF	1257	0	0.00	0	69.2	69.2	69.2
10-11 PM	1066	0.0	OFF	1066	0	0.00	0	69.4	69.4	69.4
11PM-MID	764	0.0	OFF	764	0	0.00	0	69.8	69.8	69.8

"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	0.0208
MAIN ROUTE WITH WORKS	0.0156
'DIVERSION'	0.0095

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$89,861
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

