

**IH 94: CTH O TO STH 100 (WAUKESHA COUNTY)
CONTINUOUS (24 HOUR) 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	1038	0.0	1499	1038	0	4.38	164	69.4	26.3	36.6	
1-2 AM	572	0.0	1500	572	0	0.54	0	70.0	58.2	43.2	
2-3 AM	588	0.0	1500	588	0	0.54	0	70.0	58.1	43.2	
3-4 AM	421	0.0	1500	421	0	0.52	0	70.2	58.6	43.8	
4-5 AM	477	0.0	1500	477	0	0.53	0	70.1	58.4	43.6	
5-6 AM	853	0.0	1500	853	0	0.57	0	69.7	57.4	42.2	
6-7 AM	1689	0.0	1499	1689	0	2.35	52	68.6	36.8	31.2	
7-8 AM	2673	0.0	1499	1749	924	15.48+	382	67.4	10.2	30.8	
8-9 AM	3331	0.0	1500	1500	1831	16.28+	400	66.6	9.7	30.8	
9-10 AM	2615	0.0	1500	1500	1115	16.32+	400	67.5	9.7	30.8	
10-11 AM	2907	0.0	1500	1500	1407	16.31+	400	67.1	9.7	30.8	
11AM-NOON	4375	0.0	1500	1500	2875	16.03+	400	61.0	9.7	30.8	
NOON-1PM	4418	0.0	1500	1500	2918	16.01+	400	60.7	9.7	30.8	
1-2 PM	3366	0.0	1500	1500	1866	16.28+	400	66.6	9.7	30.8	
2-3 PM	1980	0.0	1499	1475	504	16.26+	397	68.2	9.8	30.8	
3-4 PM	2817	0.0	1499	1500	1317	16.31+	399	67.3	9.7	30.8	
4-5 PM	4391	0.0	1500	1500	2891	16.02+	400	60.9	9.7	30.8	
5-6 PM	3709	0.0	1500	1500	2209	16.24+	400	65.5	9.7	30.8	
6-7 PM	2977	0.0	1500	1500	1477	16.30+	400	67.0	9.7	30.8	
7-8 PM	1679	0.0	1500	1431	248	16.07+	392	68.6	9.9	30.8	
8-9 PM	1410	0.0	1499	1410	0	11.47	274	69.0	13.1	30.8	
9-10 PM	3114	0.0	1499	1500	1614	16.07+	399	66.9	9.9	35.0	
10-11 PM	2285	0.0	1500	1573	713	16.07+	393	67.9	9.9	30.8	
11PM-MID	1560	0.0	1500	1508	51	15.71+	383	68.8	10.1	30.8	

+ 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

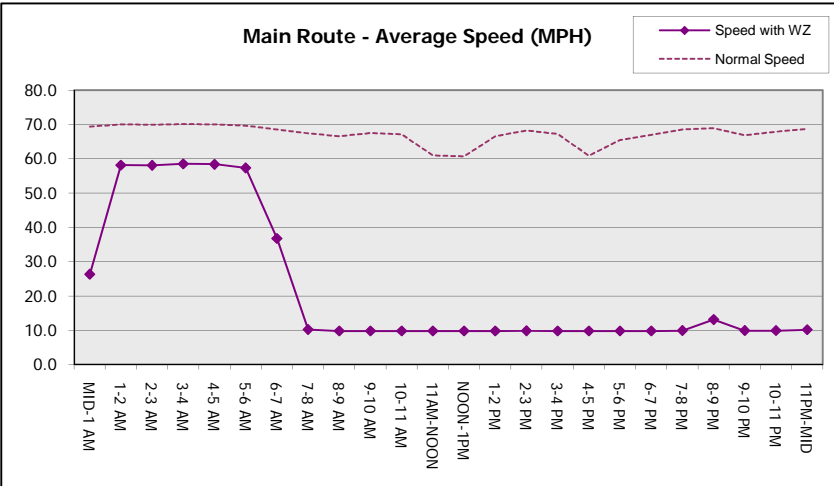
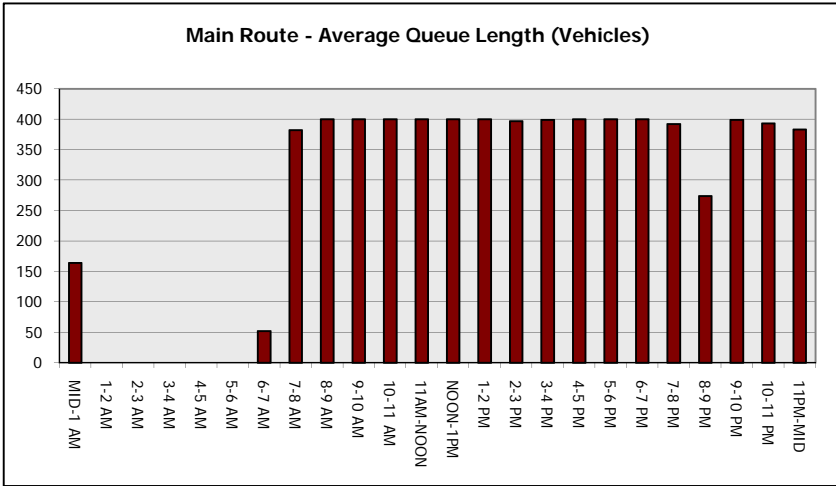
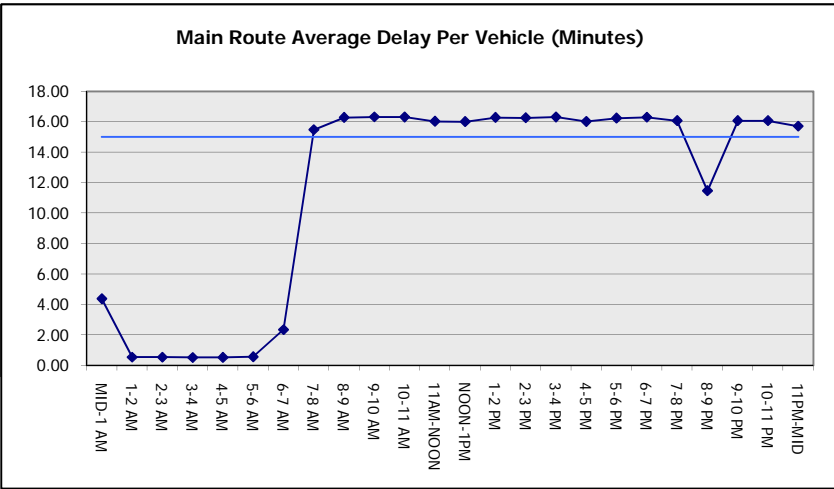
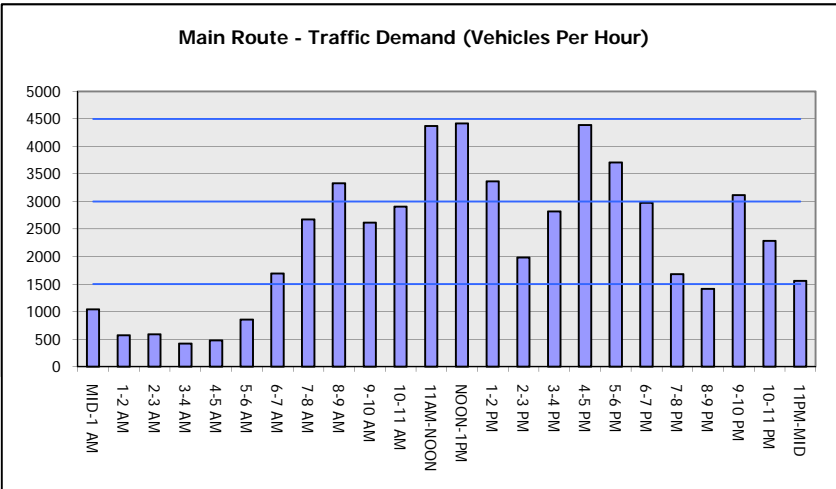
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0273
MAIN ROUTE WITH WORKS	0.0134
'DIVERSION'	0.0274
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$219,098
CONGESTED HOURS PER DAY*	16

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: CTH 0 TO STH 100 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

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	1052	0.0	1499	1052	0	5.57	198	69.4	22.5	36.1
1-2 AM	421	0.0	1500	421	0	0.52	0	70.2	58.6	43.8
2-3 AM	378	0.0	1500	378	0	0.52	0	70.2	58.7	44.0
3-4 AM	308	0.0	1500	308	0	0.51	0	70.2	58.9	44.3
4-5 AM	345	0.0	1500	345	0	0.51	0	70.2	58.7	44.1
5-6 AM	725	0.0	1500	725	0	0.56	0	69.9	57.8	42.7
6-7 AM	1322	0.0	1499	1322	0	0.85	0	69.1	52.5	35.4
7-8 AM	1990	0.0	1499	1990	0	6.96	205	68.2	19.2	30.8
8-9 AM	2579	0.0	1500	1500	1079	16.27+	400	67.5	9.7	31.6
9-10 AM	2146	0.0	1499	1432	714	16.08+	394	68.1	9.9	31.2
10-11 AM	2567	0.0	1500	1500	1067	16.32+	400	67.6	9.7	30.8
11AM-NOON	4002	0.0	1500	1500	2502	16.15+	400	63.5	9.7	30.8
NOON-1PM	4141	0.0	1500	1500	2641	16.10+	400	62.5	9.7	30.8
1-2 PM	3252	0.0	1500	1500	1752	16.29+	400	66.7	9.7	30.8
2-3 PM	2196	0.0	1500	1500	696	16.34+	400	68.0	9.7	30.8
3-4 PM	3138	0.0	1500	1500	1638	16.29+	400	66.8	9.7	30.8
4-5 PM	4877	0.0	1500	1500	3377	15.84+	400	57.5	9.7	30.8
5-6 PM	4401	0.0	1500	1500	2901	16.02+	400	60.8	9.7	30.8
6-7 PM	3357	0.0	1500	1500	1857	16.28+	400	66.6	9.7	30.8
7-8 PM	2008	0.0	1500	1500	508	16.35+	400	68.2	9.7	30.8
8-9 PM	1536	0.0	1499	1481	55	15.94+	388	68.8	10.0	30.8
9-10 PM	2782	0.0	1500	1500	1282	16.31+	400	67.3	9.7	30.8
10-11 PM	2183	0.0	1499	1500	683	16.34+	400	68.0	9.7	30.8
11PM-MID	1598	0.0	1500	1478	119	16.23+	396	68.7	9.8	30.8

+ 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	0.0263
MAIN ROUTE WITH WORKS	0.0130
'DIVERSION'	0.0261

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$212,333
CONGESTED HOURS PER DAY*	16

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

