

IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	564	0.0	1500	564	0	0.54	0	70.0	60.3	43.3	
1-2 AM	320	0.0	1500	320	0	0.51	0	70.2	60.9	44.2	
2-3 AM	251	0.0	1500	251	0	0.50	0	70.2	61.0	44.5	
3-4 AM	211	0.0	1500	211	0	0.50	0	70.2	61.0	44.6	
4-5 AM	281	0.0	1500	281	0	0.51	0	70.2	60.9	44.3	
5-6 AM	544	0.0	1500	544	0	0.54	0	70.0	60.4	43.3	
6-7 AM	1097	0.0	1499	1097	0	0.67	0	69.4	57.8	39.4	
7-8 AM	1757	0.0	1499	1757	0	3.57	86	68.6	33.5	30.8	
8-9 AM	2453	0.0	OFF	2453	0	0.11	9	67.7	65.6	65.6	
9-10 AM	2892	0.0	OFF	2892	0	0.00	0	67.1	67.1	67.1	
10-11 AM	3088	0.0	OFF	3088	0	0.00	0	66.9	66.9	66.9	
11AM-NOON	3063	0.0	OFF	3063	0	0.00	0	66.9	66.9	66.9	
NOON-1PM	3156	0.0	OFF	3156	0	0.00	0	66.8	66.8	66.8	
1-2 PM	2869	0.0	OFF	2869	0	0.00	0	67.2	67.2	67.2	
2-3 PM	2871	0.0	OFF	2871	0	0.00	0	67.2	67.2	67.2	
3-4 PM	2884	0.0	OFF	2884	0	0.00	0	67.1	67.1	67.1	
4-5 PM	2713	0.0	OFF	2713	0	0.00	0	67.4	67.4	67.4	
5-6 PM	2381	0.0	OFF	2381	0	0.00	0	67.8	67.8	67.8	
6-7 PM	2038	0.0	1499	1895	143	10.05+	268	68.2	17.3	30.8	
7-8 PM	1728	0.0	1499	1500	228	16.36+	399	68.6	11.9	30.8	
8-9 PM	1554	0.0	1500	1503	51	16.36+	399	68.8	11.9	30.8	
9-10 PM	1480	0.0	1500	1480	0	16.12+	393	68.9	12.0	30.8	
10-11 PM	1389	0.0	1499	1389	0	13.83	335	69.0	13.6	30.8	
11PM-MID	1059	0.0	1499	1059	0	2.96	99	69.4	36.9	37.5	

"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

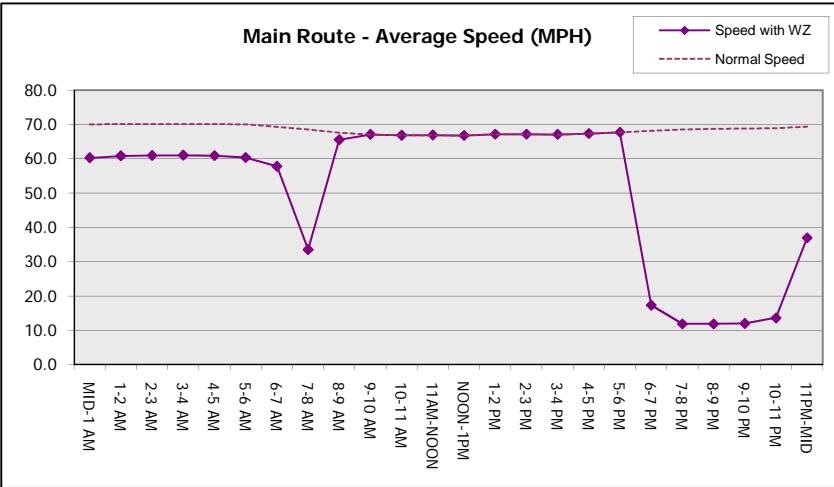
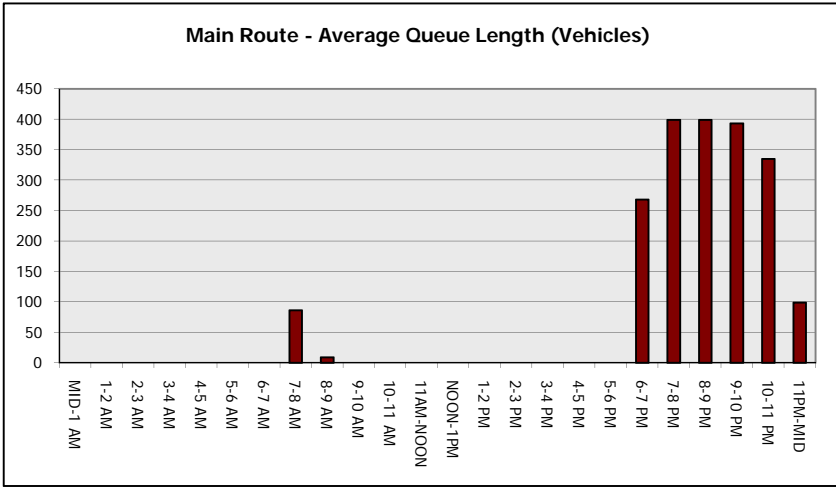
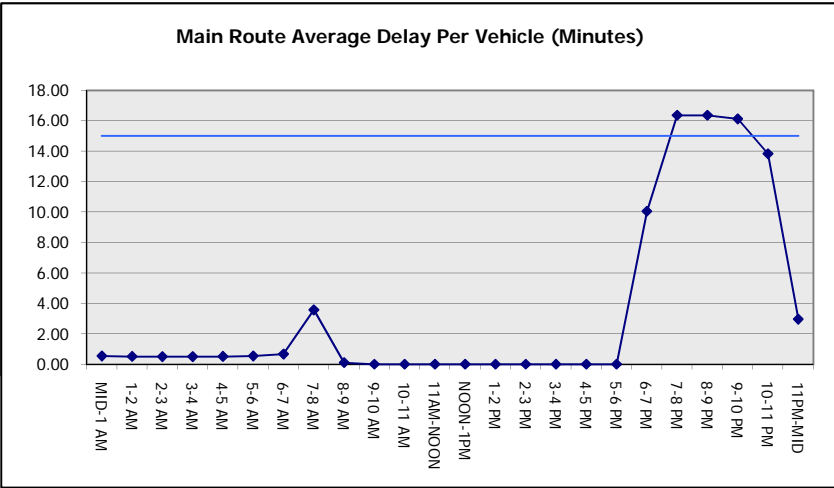
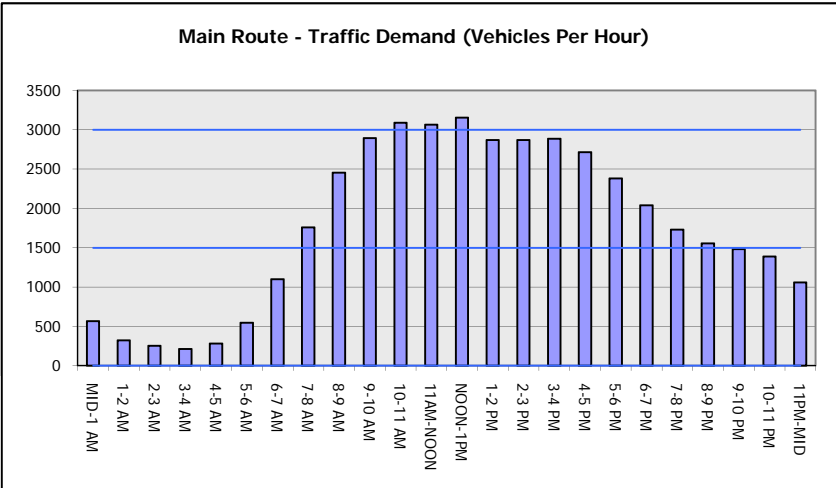
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0265
MAIN ROUTE WITH WORKS	0.0253
'DIVERSION'	0.0006
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,215
CONGESTED HOURS PER DAY*	4

*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) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	583	0.0	1500	583	0	0.54	0	70.0	60.2	43.2
1-2 AM	320	0.0	1500	320	0	0.51	0	70.2	60.9	44.2
2-3 AM	207	0.0	1500	207	0	0.50	0	70.2	61.0	44.6
3-4 AM	196	0.0	1500	196	0	0.50	0	70.2	61.1	44.7
4-5 AM	275	0.0	1500	275	0	0.51	0	70.2	60.9	44.4
5-6 AM	459	0.0	1500	459	0	0.53	0	70.2	60.5	43.7
6-7 AM	636	0.0	1500	636	0	0.55	0	69.9	60.1	43.0
7-8 AM	1017	0.0	1499	1017	0	0.59	0	69.5	59.1	41.6
8-9 AM	1460	0.0	OFF	1460	0	0.00	0	68.9	68.9	68.9
9-10 AM	2088	0.0	OFF	2088	0	0.00	0	68.1	68.1	68.1
10-11 AM	2550	0.0	OFF	2550	0	0.00	0	67.6	67.6	67.6
11AM-NOON	2639	0.0	OFF	2639	0	0.00	0	67.4	67.4	67.4
NOON-1PM	2922	0.0	OFF	2922	0	0.00	0	67.1	67.1	67.1
1-2 PM	2971	0.0	OFF	2971	0	0.00	0	67.1	67.1	67.1
2-3 PM	2883	0.0	OFF	2883	0	0.00	0	67.1	67.1	67.1
3-4 PM	2097	0.0	OFF	2097	0	0.00	0	68.1	68.1	68.1
4-5 PM	3478	0.0	OFF	3478	0	0.00	0	66.4	66.4	66.4
5-6 PM	2863	0.0	OFF	2863	0	0.00	0	67.2	67.2	67.2
6-7 PM	2300	0.0	1499	1962	338	12.48+	315	67.9	14.7	30.8
7-8 PM	1873	0.0	1499	1461	412	16.21+	396	68.4	11.9	30.8
8-9 PM	1760	0.0	1500	1500	260	16.36+	400	68.6	11.9	30.8
9-10 PM	1584	0.0	1499	1477	108	16.27+	397	68.7	11.9	30.8
10-11 PM	1325	0.0	1499	1325	0	13.44+	328	69.1	13.9	30.8
11PM-MID	1039	0.0	1499	1039	0	2.21	67	69.4	41.9	38.4

"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	0.0245
MAIN ROUTE WITH WORKS	0.0230
'DIVERSION'	0.0016

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,063
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

