

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

SUNDAY 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	389	0.0	OFF	389	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	194	0.0	OFF	194	0	0.00	0	70.2	70.2	70.2	
3-4 AM	134	0.0	OFF	134	0	0.00	0	70.2	70.2	70.2	
4-5 AM	141	0.0	OFF	141	0	0.00	0	70.2	70.2	70.2	
5-6 AM	265	0.0	OFF	265	0	0.00	0	70.2	70.2	70.2	
6-7 AM	489	0.0	OFF	489	0	0.00	0	70.1	70.1	70.1	
7-8 AM	833	0.0	OFF	833	0	0.00	0	69.7	69.7	69.7	
8-9 AM	1247	0.0	OFF	1247	0	0.00	0	69.2	69.2	69.2	
9-10 AM	1771	0.0	1499	1771	0	4.53	111	68.6	29.4	30.8	
10-11 AM	2019	0.0	1499	1681	338	15.62+	383	68.2	12.3	30.8	
11AM-NOON	2456	0.0	1500	1500	956	16.32+	400	67.7	11.9	30.8	
NOON-1PM	2566	0.0	1500	1500	1066	16.31+	400	67.6	11.9	30.8	
1-2 PM	2665	0.0	1500	1500	1165	16.30+	400	67.4	11.9	30.8	
2-3 PM	2576	0.0	1500	1500	1076	16.31+	400	67.5	11.9	30.8	
3-4 PM	2498	0.0	1500	1500	998	16.31+	400	67.6	11.9	30.8	
4-5 PM	2461	0.0	1500	1500	961	16.32+	400	67.7	11.9	30.8	
5-6 PM	1993	0.0	1500	1475	519	16.25+	397	68.2	11.9	30.8	
6-7 PM	1626	0.0	1499	1464	162	16.22+	396	68.7	11.9	30.8	
7-8 PM	1331	0.0	OFF	1331	0	0.19	16	69.1	65.5	65.5	
8-9 PM	1125	0.0	OFF	1125	0	0.00	0	69.4	69.4	69.4	
9-10 PM	789	0.0	OFF	789	0	0.00	0	69.7	69.7	69.7	
10-11 PM	548	0.0	OFF	548	0	0.00	0	70.0	70.0	70.0	
11PM-MID	368	0.0	OFF	368	0	0.00	0	70.2	70.2	70.2	

"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

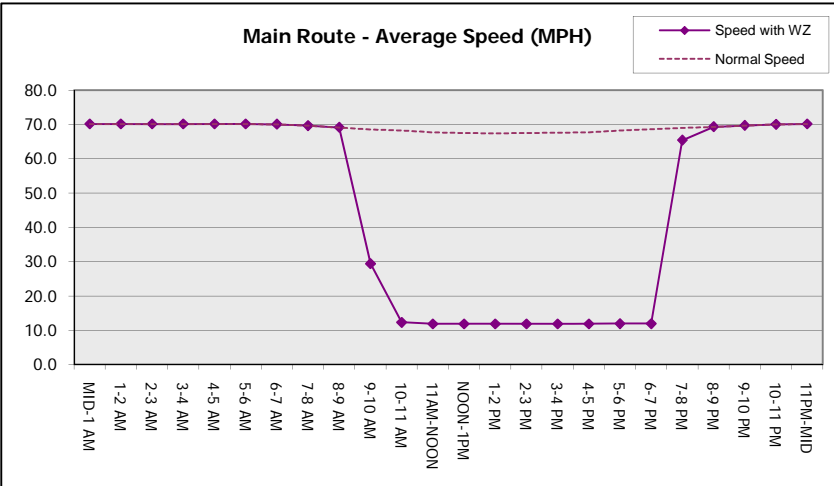
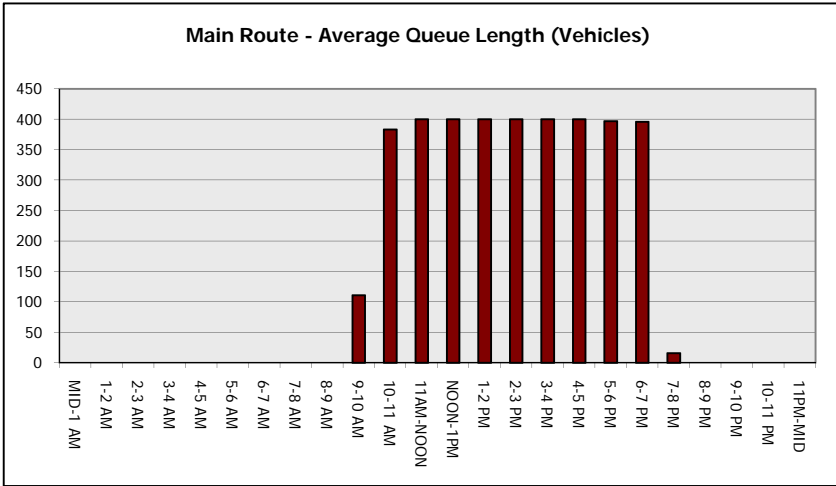
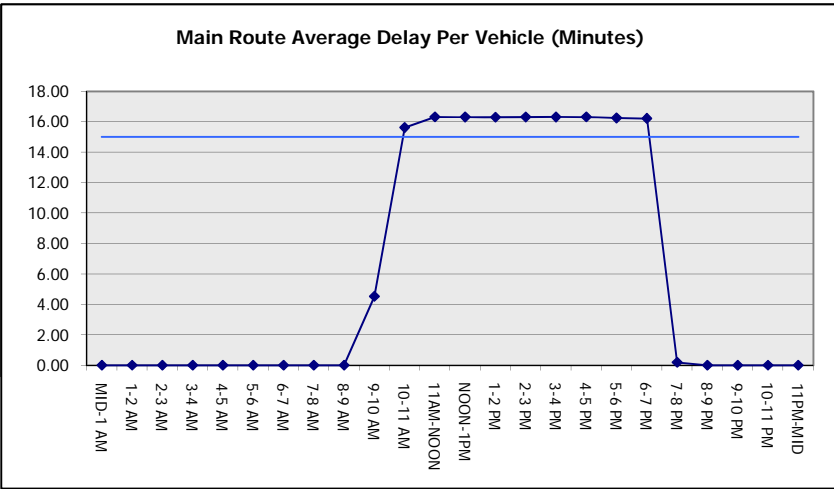
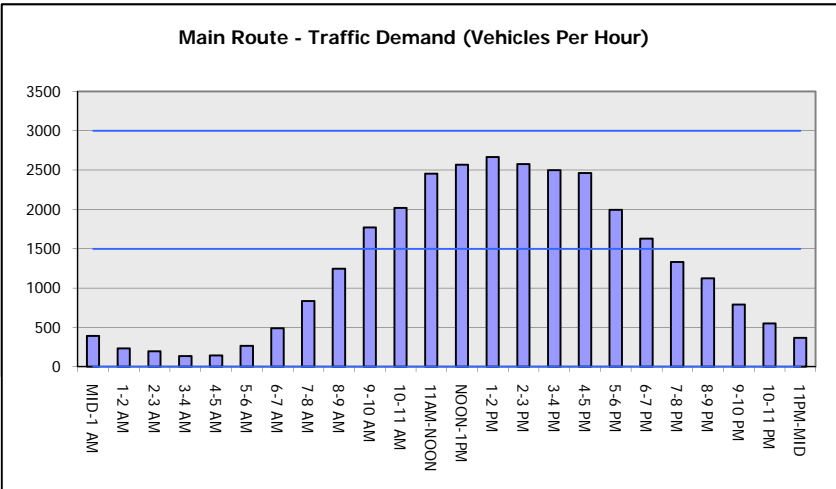
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0191
MAIN ROUTE WITH WORKS	0.0136
'DIVERSION'	0.0104
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$96,036
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	391	0.0	OFF	391	0	0.00	0	70.2	70.2	70.2
1-2 AM	291	0.0	OFF	291	0	0.00	0	70.2	70.2	70.2
2-3 AM	157	0.0	OFF	157	0	0.00	0	70.2	70.2	70.2
3-4 AM	165	0.0	OFF	165	0	0.00	0	70.2	70.2	70.2
4-5 AM	161	0.0	OFF	161	0	0.00	0	70.2	70.2	70.2
5-6 AM	155	0.0	OFF	155	0	0.00	0	70.2	70.2	70.2
6-7 AM	377	0.0	OFF	377	0	0.00	0	70.2	70.2	70.2
7-8 AM	604	0.0	OFF	604	0	0.00	0	70.0	70.0	70.0
8-9 AM	888	0.0	OFF	888	0	0.00	0	69.6	69.6	69.6
9-10 AM	1403	0.0	1499	1403	0	1.08	4	69.0	52.3	33.5
10-11 AM	1922	0.0	1500	1922	0	7.18	197	68.4	22.0	30.8
11AM-NOON	2341	0.0	1499	1500	841	16.32+	399	67.8	11.9	30.8
NOON-1PM	2653	0.0	1500	1500	1153	16.30+	400	67.4	11.9	30.8
1-2 PM	2667	0.0	1500	1500	1167	16.30+	400	67.4	11.9	30.8
2-3 PM	2824	0.0	1500	1500	1324	16.29+	400	67.3	11.9	30.8
3-4 PM	2968	0.0	1500	1500	1468	16.28+	400	67.1	11.9	30.8
4-5 PM	2853	0.0	1500	1500	1353	16.29+	400	67.2	11.9	30.8
5-6 PM	2923	0.0	1500	1500	1423	16.29+	400	67.1	11.9	30.8
6-7 PM	2439	0.0	1500	1500	939	16.32+	400	67.7	11.9	30.8
7-8 PM	2088	0.0	OFF	2088	0	0.27	24	68.1	63.1	63.1
8-9 PM	1851	0.0	OFF	1851	0	0.00	0	68.4	68.4	68.4
9-10 PM	1259	0.0	OFF	1259	0	0.00	0	69.2	69.2	69.2
10-11 PM	774	0.0	OFF	774	0	0.00	0	69.8	69.8	69.8
11PM-MID	461	0.0	OFF	461	0	0.00	0	70.2	70.2	70.2

"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	0.0215
MAIN ROUTE WITH WORKS	0.0145
'DIVERSION'	0.0139

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$102,169
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

