

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

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	661	0.0	OFF	661	0	0.00	0	69.9	69.9	69.9	
1-2 AM	320	0.0	OFF	320	0	0.00	0	70.2	70.2	70.2	
2-3 AM	207	0.0	OFF	207	0	0.00	0	70.2	70.2	70.2	
3-4 AM	140	0.0	OFF	140	0	0.00	0	70.2	70.2	70.2	
4-5 AM	130	0.0	OFF	130	0	0.00	0	70.2	70.2	70.2	
5-6 AM	241	0.0	OFF	241	0	0.00	0	70.2	70.2	70.2	
6-7 AM	538	0.0	OFF	538	0	0.00	0	70.0	70.0	70.0	
7-8 AM	920	0.0	OFF	920	0	0.00	0	69.6	69.6	69.6	
8-9 AM	1493	0.0	OFF	1493	0	0.00	0	68.9	68.9	68.9	
9-10 AM	1924	0.0	3000	1924	0	0.34	0	68.4	62.2	49.7	
10-11 AM	2526	0.0	3000	2526	0	0.42	0	67.6	60.3	46.2	
11AM-NOON	2892	0.0	3000	2892	0	0.66	0	67.1	56.4	38.9	
NOON-1PM	2961	0.0	3000	2961	0	0.70	0	67.1	55.8	37.8	
1-2 PM	2764	0.0	3000	2764	0	0.57	0	67.3	57.8	41.2	
2-3 PM	2995	0.0	2999	2995	0	0.73	0	67.0	55.4	37.4	
3-4 PM	2837	0.0	3000	2837	0	0.62	0	67.2	57.0	39.9	
4-5 PM	2716	0.0	3000	2716	0	0.54	0	67.4	58.2	42.1	
5-6 PM	2308	0.0	3000	2308	0	0.33	0	67.9	61.9	49.7	
6-7 PM	1927	0.0	3000	1927	0	0.34	0	68.3	62.2	49.7	
7-8 PM	1714	0.0	OFF	1714	0	0.00	0	68.6	68.6	68.6	
8-9 PM	1328	0.0	OFF	1328	0	0.00	0	69.1	69.1	69.1	
9-10 PM	1160	0.0	OFF	1160	0	0.00	0	69.3	69.3	69.3	
10-11 PM	754	0.0	OFF	754	0	0.00	0	69.8	69.8	69.8	
11PM-MID	490	0.0	OFF	490	0	0.00	0	70.1	70.1	70.1	

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

----- 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

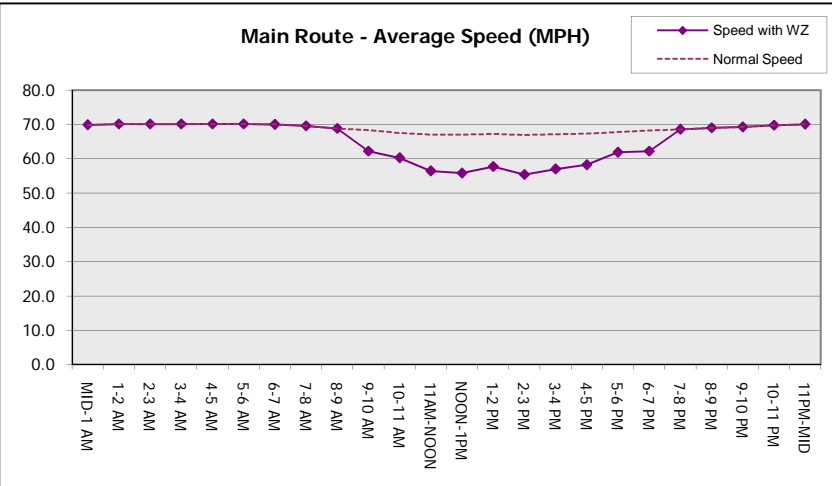
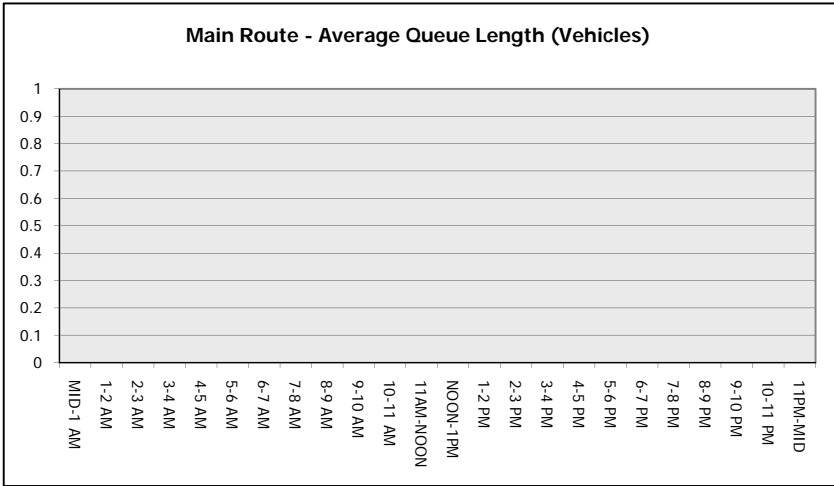
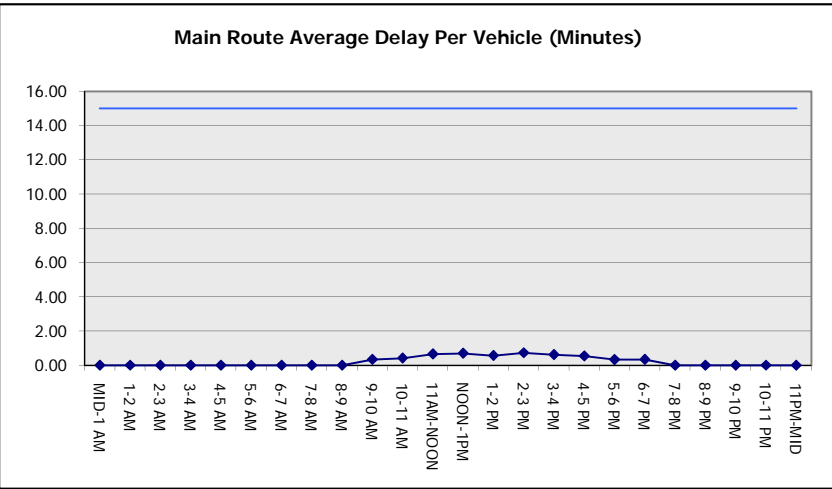
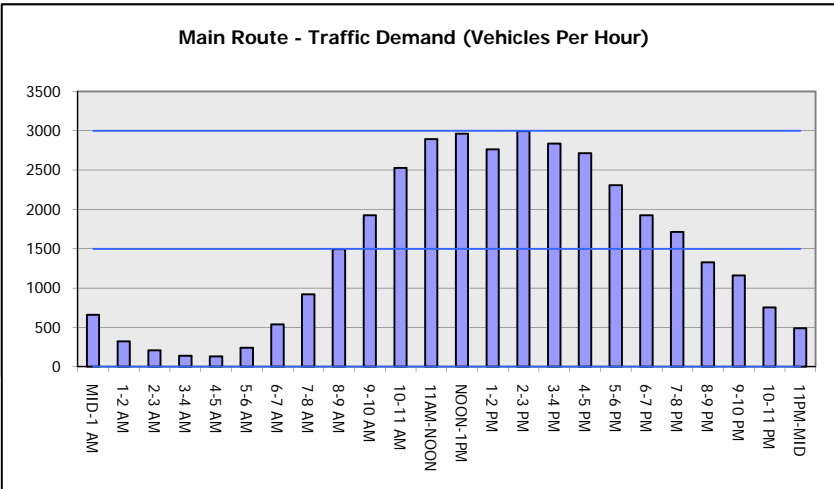
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0223
MAIN ROUTE WITH WORKS	0.0206
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,810
CONGESTED HOURS PER DAY*	0

*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	818	0.0	OFF	818	0	0.00	0	69.7	69.7	69.7
1-2 AM	519	0.0	OFF	519	0	0.00	0	70.1	70.1	70.1
2-3 AM	300	0.0	OFF	300	0	0.00	0	70.2	70.2	70.2
3-4 AM	195	0.0	OFF	195	0	0.00	0	70.2	70.2	70.2
4-5 AM	240	0.0	OFF	240	0	0.00	0	70.2	70.2	70.2
5-6 AM	238	0.0	OFF	238	0	0.00	0	70.2	70.2	70.2
6-7 AM	376	0.0	OFF	376	0	0.00	0	70.2	70.2	70.2
7-8 AM	558	0.0	OFF	558	0	0.00	0	70.0	70.0	70.0
8-9 AM	1008	0.0	OFF	1008	0	0.00	0	69.5	69.5	69.5
9-10 AM	1622	0.0	3000	1622	0	0.34	0	68.7	62.5	49.7
10-11 AM	2367	0.0	2999	2367	0	0.38	0	67.8	61.1	47.8
11AM-NOON	2961	0.0	2999	2961	0	0.84	9	67.1	54.1	38.5
NOON-1PM	3285	0.0	3000	3285	0	3.51	167	66.6	33.3	37.3
1-2 PM	3378	0.0	3000	3378	0	9.72	511	66.5	17.7	37.3
2-3 PM	3288	0.0	2999	3142	146	15.11+	794	66.6	13.1	37.3
3-4 PM	3387	0.0	2999	2997	390	15.53+	817	66.5	12.9	37.3
4-5 PM	3465	0.0	2999	2998	467	15.53+	817	66.4	12.9	37.3
5-6 PM	3354	0.0	3000	2998	356	15.54+	817	66.6	12.9	37.3
6-7 PM	2930	0.0	2999	2898	32	15.00+	786	67.1	13.2	37.3
7-8 PM	2893	0.0	OFF	2893	0	0.92	86	67.1	53.2	53.2
8-9 PM	2660	0.0	OFF	2660	0	0.00	0	67.4	67.4	67.4
9-10 PM	1750	0.0	OFF	1750	0	0.00	0	68.6	68.6	68.6
10-11 PM	1159	0.0	OFF	1159	0	0.00	0	69.3	69.3	69.3
11PM-MID	579	0.0	OFF	579	0	0.00	0	70.0	70.0	70.0

"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	0.0269
MAIN ROUTE WITH WORKS	0.0242
'DIVERSION'	0.0020

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$81,905
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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