

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	341	0.0	1500	341	0	0.51	0	70.2	60.8	44.1	
1-2 AM	233	0.0	1500	233	0	0.50	0	70.2	61.0	44.5	
2-3 AM	208	0.0	1500	208	0	0.50	0	70.2	61.0	44.6	
3-4 AM	217	0.0	1500	217	0	0.50	0	70.2	61.0	44.6	
4-5 AM	342	0.0	1500	342	0	0.51	0	70.2	60.8	44.1	
5-6 AM	772	0.0	OFF	772	0	0.00	0	69.8	69.8	69.8	
6-7 AM	1716	0.0	OFF	1716	0	0.00	0	68.6	68.6	68.6	
7-8 AM	2390	0.0	OFF	2390	0	0.00	0	67.8	67.8	67.8	
8-9 AM	2390	0.0	OFF	2390	0	0.00	0	67.8	67.8	67.8	
9-10 AM	2142	0.0	OFF	2142	0	0.00	0	68.1	68.1	68.1	
10-11 AM	2256	0.0	OFF	2256	0	0.00	0	67.9	67.9	67.9	
11AM-NOON	2431	0.0	OFF	2431	0	0.00	0	67.7	67.7	67.7	
NOON-1PM	2701	0.0	OFF	2701	0	0.00	0	67.4	67.4	67.4	
1-2 PM	2858	0.0	OFF	2858	0	0.00	0	67.2	67.2	67.2	
2-3 PM	3253	0.0	OFF	3253	0	0.00	0	66.7	66.7	66.7	
3-4 PM	4046	0.0	OFF	4046	0	0.00	0	63.2	63.2	63.2	
4-5 PM	4437	0.0	OFF	4437	0	0.00	0	60.5	60.5	60.5	
5-6 PM	4343	0.0	OFF	4343	0	0.00	0	61.2	61.2	61.2	
6-7 PM	3013	0.0	OFF	3013	0	0.00	0	67.0	67.0	67.0	
7-8 PM	1940	0.0	1499	1933	7	10.05+	266	68.3	17.4	30.8	
8-9 PM	1502	0.0	1499	1410	91	15.49+	377	68.9	12.4	30.8	
9-10 PM	1236	0.0	1499	1236	0	9.02	226	69.2	18.9	32.1	
10-11 PM	987	0.0	1500	987	0	0.78	6	69.5	56.4	41.7	
11PM-MID	715	0.0	1500	715	0	0.56	0	69.9	59.9	42.7	

"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	0.0289
MAIN ROUTE WITH WORKS	0.0283
'DIVERSION'	0.0001
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$13,831
CONGESTED HOURS PER DAY*	2

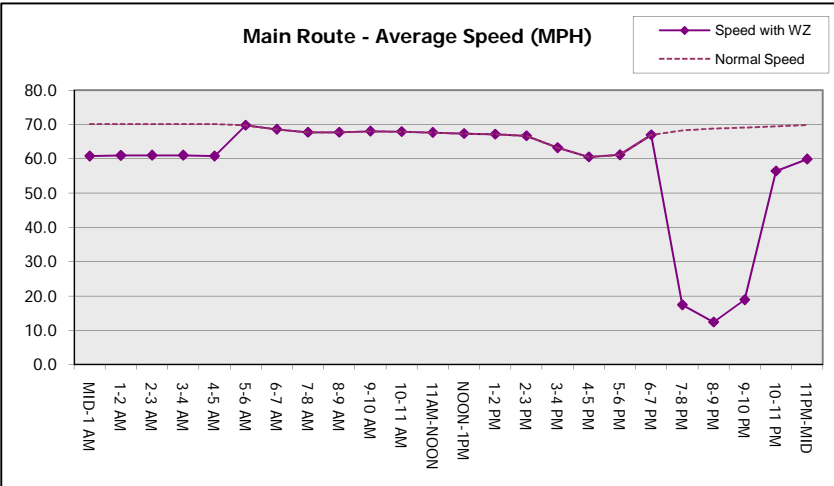
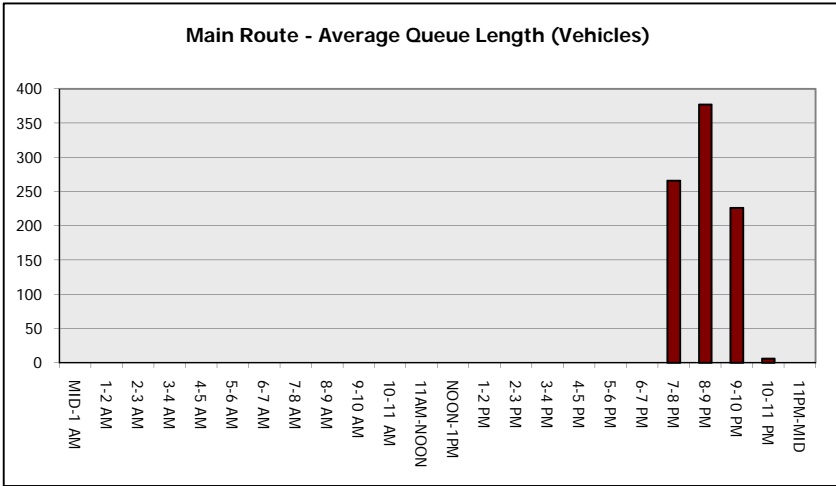
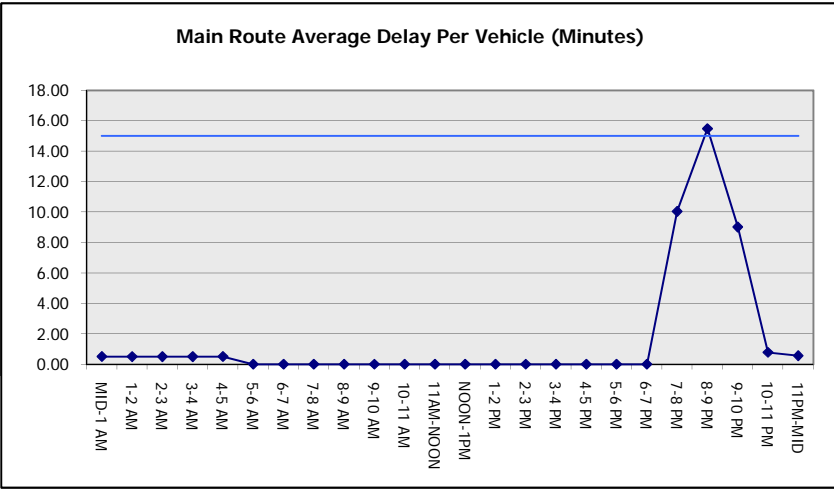
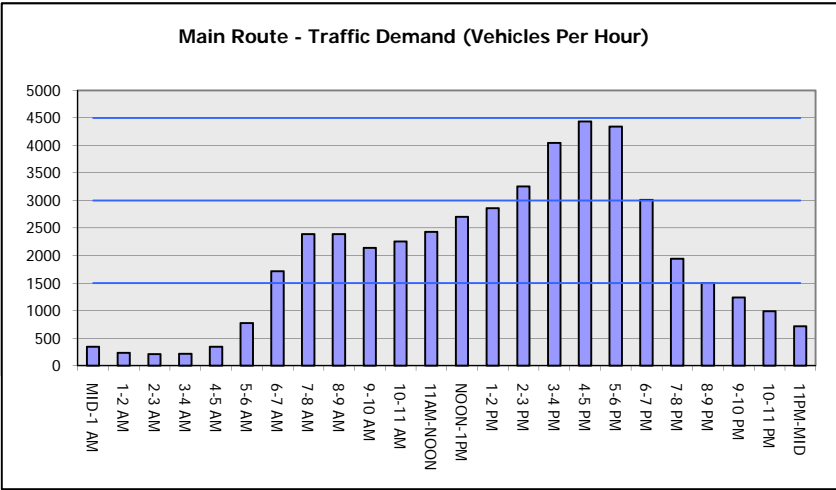
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



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

FRIDAY 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	261	0.0	1500	261	0	0.50	0	70.2	61.0	44.5
1-2 AM	191	0.0	1500	191	0	0.50	0	70.2	61.1	44.7
2-3 AM	220	0.0	1500	220	0	0.50	0	70.2	61.0	44.6
3-4 AM	210	0.0	1500	210	0	0.50	0	70.2	61.0	44.6
4-5 AM	373	0.0	1500	373	0	0.52	0	70.2	60.7	44.0
5-6 AM	1298	0.0	OFF	1298	0	0.00	0	69.1	69.1	69.1
6-7 AM	2707	0.0	OFF	2707	0	0.00	0	67.4	67.4	67.4
7-8 AM	3648	0.0	OFF	3648	0	0.00	0	66.0	66.0	66.0
8-9 AM	2831	0.0	OFF	2831	0	0.00	0	67.2	67.2	67.2
9-10 AM	2134	0.0	OFF	2134	0	0.00	0	68.1	68.1	68.1
10-11 AM	1931	0.0	OFF	1931	0	0.00	0	68.3	68.3	68.3
11AM-NOON	2089	0.0	OFF	2089	0	0.00	0	68.1	68.1	68.1
NOON-1PM	2098	0.0	OFF	2098	0	0.00	0	68.1	68.1	68.1
1-2 PM	2251	0.0	OFF	2251	0	0.00	0	67.9	67.9	67.9
2-3 PM	2634	0.0	OFF	2634	0	0.00	0	67.4	67.4	67.4
3-4 PM	2850	0.0	OFF	2850	0	0.00	0	67.2	67.2	67.2
4-5 PM	2836	0.0	OFF	2836	0	0.00	0	67.2	67.2	67.2
5-6 PM	3023	0.0	OFF	3023	0	0.00	0	67.0	67.0	67.0
6-7 PM	2414	0.0	OFF	2414	0	0.00	0	67.8	67.8	67.8
7-8 PM	1798	0.0	1499	1798	0	7.20	179	68.5	22.0	30.8
8-9 PM	1447	0.0	1499	1447	0	12.21	291	68.9	15.0	30.8
9-10 PM	1148	0.0	1499	1148	0	3.13	96	69.3	36.0	36.5
10-11 PM	1004	0.0	1500	1004	0	0.59	0	69.5	59.2	41.7
11PM-MID	634	0.0	1500	634	0	0.55	0	69.9	60.1	43.0

"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	0.0261
MAIN ROUTE WITH WORKS	0.0256
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,876
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

