

IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	303	0.0	3000	303	0	0.36	0	70.2	63.3	49.7
1-2 AM	233	0.0	3000	233	0	0.36	0	70.2	63.3	49.7
2-3 AM	204	0.0	3000	204	0	0.36	0	70.2	63.3	49.7
3-4 AM	210	0.0	3000	210	0	0.36	0	70.2	63.3	49.7
4-5 AM	365	0.0	3000	365	0	0.36	0	70.2	63.3	49.7
5-6 AM	770	0.0	OFF	770	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	2284	0.0	OFF	2284	0	0.00	0	67.9	67.9	67.9
8-9 AM	2329	0.0	OFF	2329	0	0.00	0	67.8	67.8	67.8
9-10 AM	2101	0.0	OFF	2101	0	0.00	0	68.1	68.1	68.1
10-11 AM	2340	0.0	OFF	2340	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2538	0.0	OFF	2538	0	0.00	0	67.6	67.6	67.6
NOON-1PM	2812	0.0	OFF	2812	0	0.00	0	67.3	67.3	67.3
1-2 PM	3026	0.0	OFF	3026	0	0.00	0	66.9	66.9	66.9
2-3 PM	3507	0.0	OFF	3507	0	0.00	0	66.4	66.4	66.4
3-4 PM	4208	0.0	OFF	4208	0	0.00	0	62.1	62.1	62.1
4-5 PM	4019	0.0	OFF	4019	0	0.00	0	63.4	63.4	63.4
5-6 PM	4033	0.0	OFF	4033	0	0.00	0	63.3	63.3	63.3
6-7 PM	3205	0.0	OFF	3205	0	0.00	0	66.8	66.8	66.8
7-8 PM	2453	0.0	3000	2453	0	0.37	0	67.7	61.1	47.9
8-9 PM	1574	0.0	3000	1574	0	0.34	0	68.8	62.5	49.7
9-10 PM	1385	0.0	3000	1385	0	0.34	0	69.0	62.7	49.7
10-11 PM	1096	0.0	3000	1096	0	0.35	0	69.4	62.8	49.7
11PM-MID	702	0.0	3000	702	0	0.36	0	69.9	63.2	49.7

"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	0.0294
MAIN ROUTE WITH WORKS	0.0289
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$625
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE
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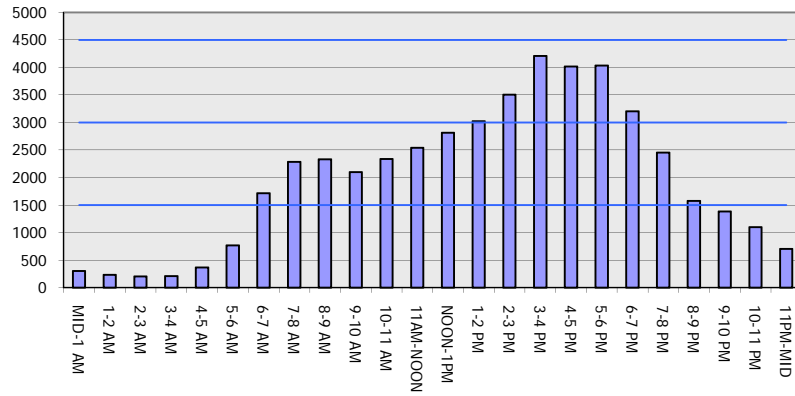
OCTOBER

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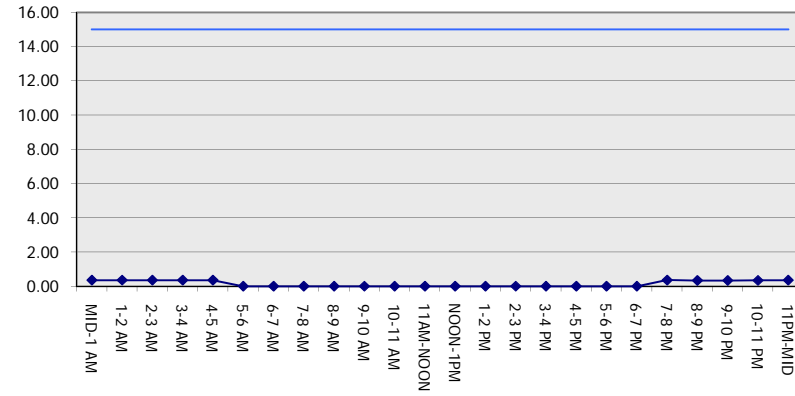
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION

Main Route - Traffic Demand (Vehicles Per Hour)



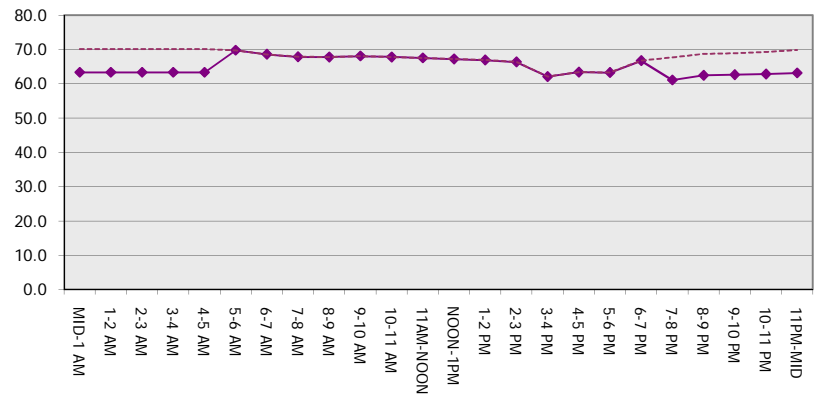
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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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	211	0.0	3000	211	0	0.36	0	70.2	63.3	49.7
1-2 AM	183	0.0	3000	183	0	0.36	0	70.2	63.3	49.7
2-3 AM	192	0.0	3000	192	0	0.36	0	70.2	63.3	49.7
3-4 AM	178	0.0	3000	178	0	0.36	0	70.2	63.3	49.7
4-5 AM	428	0.0	3000	428	0	0.36	0	70.2	63.3	49.7
5-6 AM	1278	0.0	OFF	1278	0	0.00	0	69.1	69.1	69.1
6-7 AM	2749	0.0	OFF	2749	0	0.00	0	67.3	67.3	67.3
7-8 AM	3645	0.0	OFF	3645	0	0.00	0	66.0	66.0	66.0
8-9 AM	2884	0.0	OFF	2884	0	0.00	0	67.1	67.1	67.1
9-10 AM	2110	0.0	OFF	2110	0	0.00	0	68.1	68.1	68.1
10-11 AM	2116	0.0	OFF	2116	0	0.00	0	68.1	68.1	68.1
11AM-NOON	2159	0.0	OFF	2159	0	0.00	0	68.1	68.1	68.1
NOON-1PM	2149	0.0	OFF	2149	0	0.00	0	68.1	68.1	68.1
1-2 PM	2404	0.0	OFF	2404	0	0.00	0	67.8	67.8	67.8
2-3 PM	2658	0.0	OFF	2658	0	0.00	0	67.4	67.4	67.4
3-4 PM	2927	0.0	OFF	2927	0	0.00	0	67.1	67.1	67.1
4-5 PM	3112	0.0	OFF	3112	0	0.00	0	66.9	66.9	66.9
5-6 PM	3211	0.0	OFF	3211	0	0.00	0	66.8	66.8	66.8
6-7 PM	2403	0.0	OFF	2403	0	0.00	0	67.8	67.8	67.8
7-8 PM	1607	0.0	3000	1607	0	0.34	0	68.7	62.5	49.7
8-9 PM	1287	0.0	3000	1287	0	0.35	0	69.1	62.7	49.7
9-10 PM	1174	0.0	3000	1174	0	0.35	0	69.3	62.8	49.7
10-11 PM	920	0.0	3000	920	0	0.35	0	69.6	63.0	49.7
11PM-MID	678	0.0	3000	678	0	0.36	0	69.9	63.2	49.7

"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	0.0265
MAIN ROUTE WITH WORKS	0.0260
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$496
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION**

