

IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	419	0.0	3000	419	0	0.36	0	70.2	63.3	49.7
1-2 AM	222	0.0	3000	222	0	0.36	0	70.2	63.3	49.7
2-3 AM	172	0.0	3000	172	0	0.36	0	70.2	63.3	49.7
3-4 AM	100	0.0	3000	100	0	0.36	0	70.2	63.3	49.7
4-5 AM	130	0.0	3000	130	0	0.36	0	70.2	63.3	49.7
5-6 AM	238	0.0	3000	238	0	0.36	0	70.2	63.3	49.7
6-7 AM	472	0.0	3000	472	0	0.36	0	70.2	63.3	49.7
7-8 AM	758	0.0	3000	758	0	0.35	0	69.8	63.1	49.7
8-9 AM	1152	0.0	3000	1152	0	0.35	0	69.3	62.8	49.7
9-10 AM	1505	0.0	3000	1505	0	0.34	0	68.9	62.5	49.7
10-11 AM	2040	0.0	3000	2040	0	0.33	0	68.2	62.2	49.7
11AM-NOON	2448	0.0	3000	2448	0	0.37	0	67.7	61.2	48.1
NOON-1PM	2438	0.0	3000	2438	0	0.36	0	67.7	61.3	48.3
1-2 PM	2561	0.0	3000	2561	0	0.44	0	67.6	59.9	45.4
2-3 PM	2177	0.0	3000	2177	0	0.33	0	68.0	62.0	49.7
3-4 PM	2597	0.0	3000	2597	0	0.47	0	67.5	59.5	44.6
4-5 PM	2498	0.0	3000	2498	0	0.40	0	67.6	60.6	46.9
5-6 PM	2074	0.0	3000	2074	0	0.33	0	68.2	62.1	49.7
6-7 PM	1663	0.0	3000	1663	0	0.34	0	68.7	62.4	49.7
7-8 PM	1279	0.0	3000	1279	0	0.35	0	69.1	62.7	49.7
8-9 PM	861	0.0	3000	861	0	0.35	0	69.7	63.0	49.7
9-10 PM	778	0.0	3000	778	0	0.35	0	69.7	63.1	49.7
10-11 PM	563	0.0	3000	563	0	0.36	0	70.0	63.3	49.7
11PM-MID	384	0.0	3000	384	0	0.36	0	70.2	63.3	49.7

----- 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	0.0183
MAIN ROUTE WITH WORKS	0.0164
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,114
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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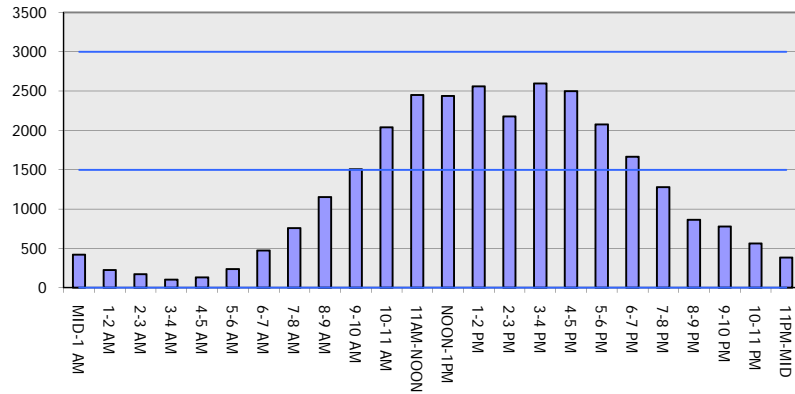
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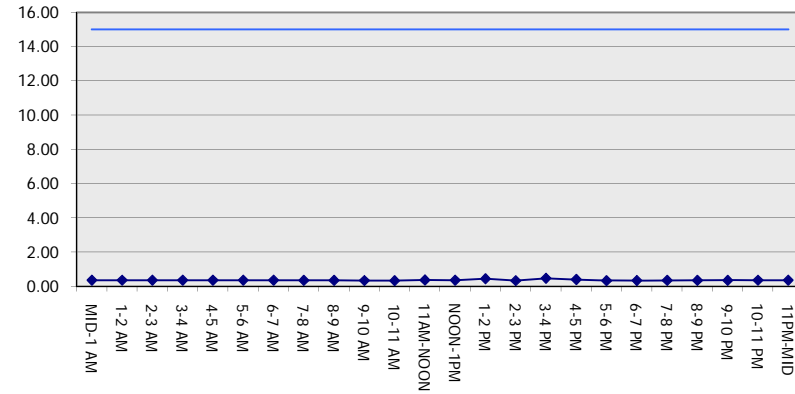
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION

Main Route - Traffic Demand (Vehicles Per Hour)



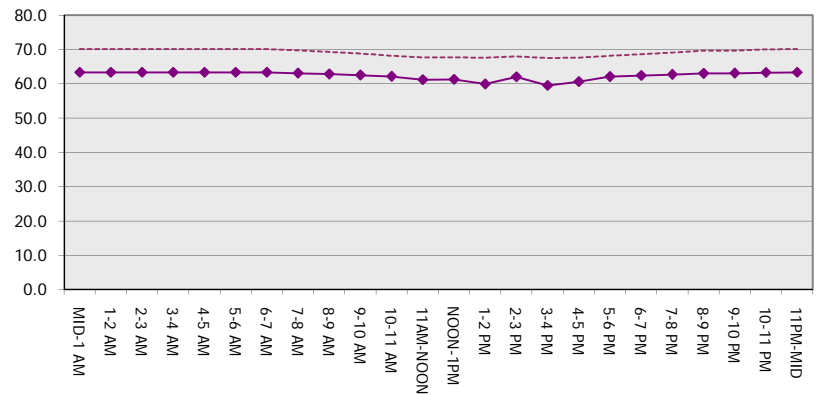
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

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	392	0.0	3000	392	0	0.36	0	70.2	63.3	49.7
1-2 AM	244	0.0	3000	244	0	0.36	0	70.2	63.3	49.7
2-3 AM	168	0.0	3000	168	0	0.36	0	70.2	63.3	49.7
3-4 AM	137	0.0	3000	137	0	0.36	0	70.2	63.3	49.7
4-5 AM	195	0.0	3000	195	0	0.36	0	70.2	63.3	49.7
5-6 AM	236	0.0	3000	236	0	0.36	0	70.2	63.3	49.7
6-7 AM	387	0.0	3000	387	0	0.36	0	70.2	63.3	49.7
7-8 AM	545	0.0	3000	545	0	0.36	0	70.0	63.3	49.7
8-9 AM	1035	0.0	3000	1035	0	0.35	0	69.4	62.9	49.7
9-10 AM	1524	0.0	3000	1524	0	0.34	0	68.9	62.5	49.7
10-11 AM	2119	0.0	3000	2119	0	0.33	0	68.1	62.1	49.7
11AM-NOON	2652	0.0	3000	2652	0	0.50	0	67.4	58.9	43.4
NOON-1PM	2590	0.0	3000	2590	0	0.46	0	67.5	59.6	44.7
1-2 PM	2564	0.0	3000	2564	0	0.44	0	67.6	59.9	45.3
2-3 PM	2678	0.0	2999	2678	0	0.52	0	67.4	58.7	42.9
3-4 PM	3064	0.0	2999	3064	0	1.04	19	66.9	51.6	37.4
4-5 PM	3398	0.0	3000	3398	0	5.30	274	66.5	26.5	37.3
5-6 PM	3108	0.0	2999	3108	0	10.87	560	66.9	16.3	37.3
6-7 PM	2382	0.0	2999	2382	0	5.01	314	67.8	27.6	42.1
7-8 PM	1826	0.0	3000	1826	0	0.34	0	68.4	62.3	49.7
8-9 PM	1438	0.0	3000	1438	0	0.34	0	68.9	62.6	49.7
9-10 PM	986	0.0	3000	986	0	0.35	0	69.5	63.0	49.7
10-11 PM	610	0.0	3000	610	0	0.36	0	70.0	63.2	49.7
11PM-MID	380	0.0	3000	380	0	0.36	0	70.2	63.3	49.7

----- 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	0.0192
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$21,671
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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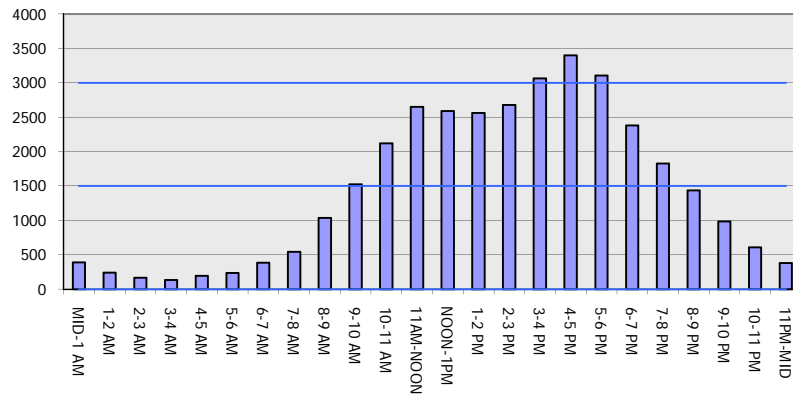
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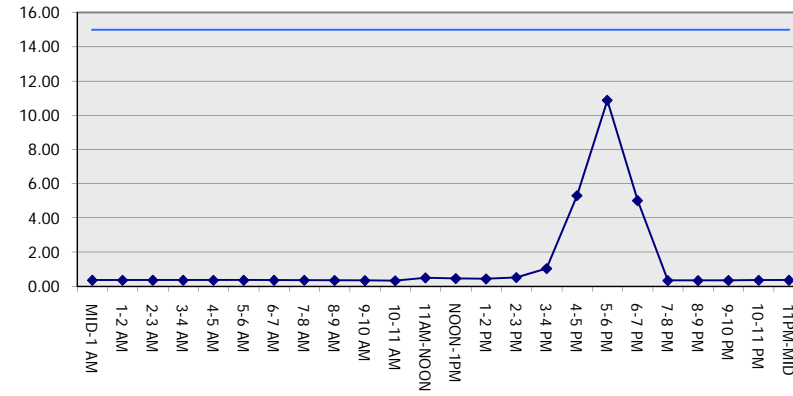
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

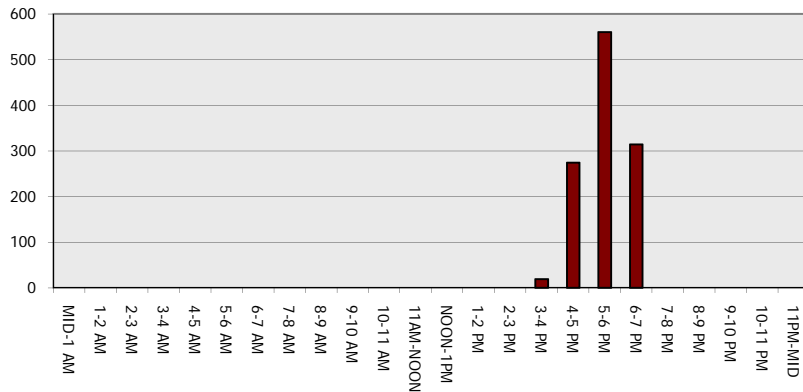
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

