

IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) NIGHTTIME 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	991	0.0	3000	991	0	0.18	0	70.2	57.9	49.7
1-2 AM	545	0.0	3000	545	0	0.18	0	70.2	57.9	49.7
2-3 AM	456	0.0	3000	456	0	0.18	0	70.2	57.9	49.7
3-4 AM	304	0.0	3000	304	0	0.18	0	70.2	57.9	49.7
4-5 AM	328	0.0	3000	328	0	0.18	0	70.2	57.9	49.7
5-6 AM	482	0.0	3000	482	0	0.18	0	70.2	57.9	49.7
6-7 AM	859	0.0	3000	859	0	0.18	0	70.2	57.9	49.7
7-8 AM	1097	0.0	3000	1097	0	0.18	0	70.2	57.9	49.7
8-9 AM	1529	0.0	3000	1529	0	0.18	0	70.1	57.9	49.7
9-10 AM	2098	0.0	OFF	2098	0	0.00	0	69.4	69.4	69.4
10-11 AM	2718	0.0	OFF	2718	0	0.00	0	68.7	68.7	68.7
11AM-NOON	3164	0.0	OFF	3164	0	0.00	0	68.1	68.1	68.1
NOON-1PM	3426	0.0	OFF	3426	0	0.00	0	67.8	67.8	67.8
1-2 PM	3443	0.0	OFF	3443	0	0.00	0	67.8	67.8	67.8
2-3 PM	3409	0.0	OFF	3409	0	0.00	0	67.8	67.8	67.8
3-4 PM	3622	0.0	OFF	3622	0	0.00	0	67.4	67.4	67.4
4-5 PM	3606	0.0	OFF	3606	0	0.00	0	67.5	67.5	67.5
5-6 PM	3530	0.0	OFF	3530	0	0.00	0	67.6	67.6	67.6
6-7 PM	3159	0.0	OFF	3159	0	0.00	0	68.1	68.1	68.1
7-8 PM	2702	0.0	3000	2702	0	0.29	0	68.7	51.7	41.9
8-9 PM	2099	0.0	3000	2099	0	0.18	0	69.4	57.6	49.7
9-10 PM	1898	0.0	3000	1898	0	0.18	0	69.7	57.7	49.7
10-11 PM	1396	0.0	3000	1396	0	0.18	0	70.2	57.9	49.7
11PM-MID	995	0.0	3000	995	0	0.18	0	70.2	57.9	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	0.0076
MAIN ROUTE WITH WORKS	0.0059
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$721
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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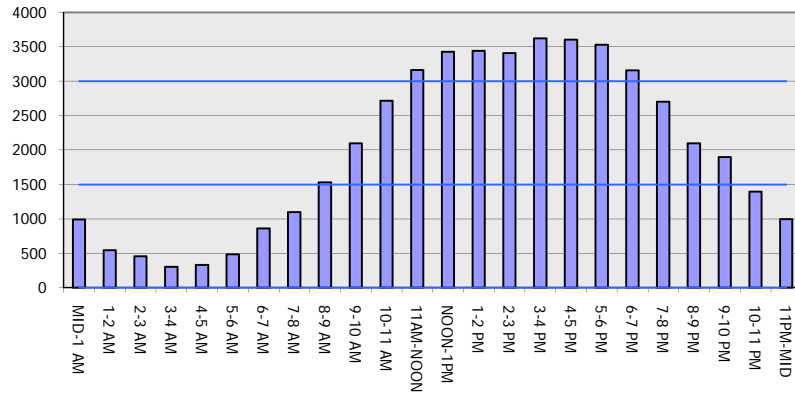
OCTOBER

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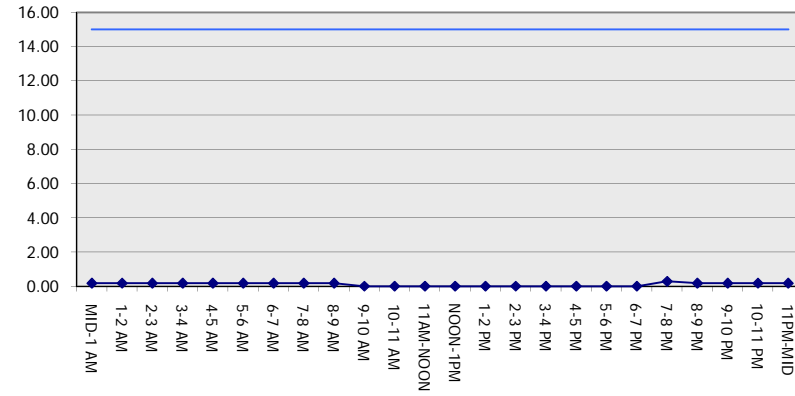
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION

Main Route - Traffic Demand (Vehicles Per Hour)



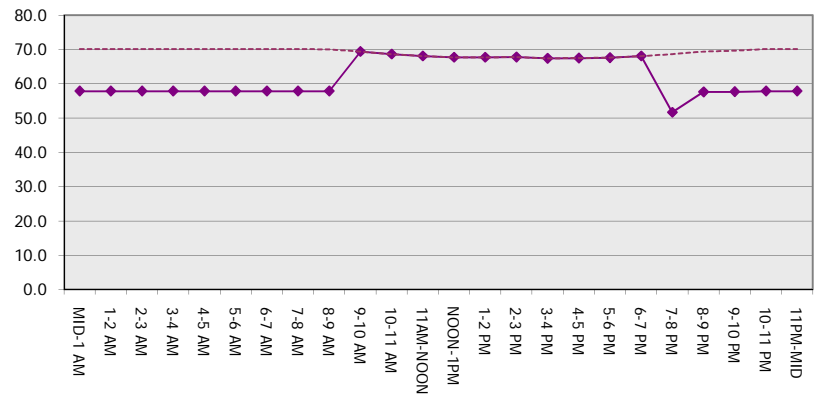
Main Route Average Delay Per Vehicle (Minutes)



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	986	0.0	3000	986	0	0.18	0	70.2	57.9	49.7
1-2 AM	668	0.0	3000	668	0	0.18	0	70.2	57.9	49.7
2-3 AM	716	0.0	3000	716	0	0.18	0	70.2	57.9	49.7
3-4 AM	450	0.0	3000	450	0	0.18	0	70.2	57.9	49.7
4-5 AM	484	0.0	3000	484	0	0.18	0	70.2	57.9	49.7
5-6 AM	665	0.0	3000	665	0	0.18	0	70.2	57.9	49.7
6-7 AM	988	0.0	3000	988	0	0.18	0	70.2	57.9	49.7
7-8 AM	1253	0.0	3000	1253	0	0.18	0	70.2	57.9	49.7
8-9 AM	1690	0.0	3000	1690	0	0.18	0	69.9	57.8	49.7
9-10 AM	2510	0.0	OFF	2510	0	0.00	0	68.9	68.9	68.9
10-11 AM	3079	0.0	OFF	3079	0	0.00	0	68.2	68.2	68.2
11AM-NOON	3366	0.0	OFF	3366	0	0.00	0	67.9	67.9	67.9
NOON-1PM	3820	0.0	OFF	3820	0	0.00	0	66.1	66.1	66.1
1-2 PM	3995	0.0	OFF	3995	0	0.00	0	64.9	64.9	64.9
2-3 PM	4023	0.0	OFF	4023	0	0.00	0	64.6	64.6	64.6
3-4 PM	4138	0.0	OFF	4138	0	0.00	0	63.9	63.9	63.9
4-5 PM	4078	0.0	OFF	4078	0	0.00	0	64.3	64.3	64.3
5-6 PM	3633	0.0	OFF	3633	0	0.00	0	67.3	67.3	67.3
6-7 PM	3401	0.0	OFF	3401	0	0.00	0	67.8	67.8	67.8
7-8 PM	2848	0.0	2999	2848	0	0.36	1	68.5	48.6	39.6
8-9 PM	2082	0.0	3000	2082	0	0.18	0	69.4	57.6	49.7
9-10 PM	1689	0.0	3000	1689	0	0.18	0	69.9	57.8	49.7
10-11 PM	1212	0.0	3000	1212	0	0.18	0	70.2	57.9	49.7
11PM-MID	931	0.0	3000	931	0	0.18	0	70.2	57.9	49.7

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0084
MAIN ROUTE WITH WORKS	0.0066
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$811
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

