

<b>IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	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	817	0.0	3000	817	0	0.18	0	70.2	57.9	49.7
1-2 AM	524	0.0	3000	524	0	0.18	0	70.2	57.9	49.7
2-3 AM	490	0.0	3000	490	0	0.18	0	70.2	57.9	49.7
3-4 AM	560	0.0	3000	560	0	0.18	0	70.2	57.9	49.7
4-5 AM	771	0.0	3000	771	0	0.18	0	70.2	57.9	49.7
5-6 AM	2109	0.0	2999	2109	0	0.20	0	69.4	56.2	47.7
6-7 AM	4067	0.0	2999	4067	0	7.29+	457	64.4	11.6	36.9
7-8 AM	4537	0.0	2999	2899	1638	17.77+	971	61.2	8.1	36.9
8-9 AM	3821	0.0	3000	2955	866	16.91+	913	66.1	8.3	36.9
9-10 AM	3340	0.0	2999	2990	350	16.79+	902	67.9	8.3	36.9
10-11 AM	3512	0.0	2999	2997	516	16.81+	904	67.7	8.3	36.9
11AM-NOON	3694	0.0	2999	3000	695	16.82+	906	66.9	8.3	36.9
NOON-1PM	3873	0.0	2999	3001	872	16.82+	908	65.7	8.3	36.9
1-2 PM	3898	0.0	3000	3001	898	16.82+	909	65.5	8.3	36.9
2-3 PM	4468	0.0	3000	3066	1402	17.43+	951	61.7	8.1	36.9
3-4 PM	4674	0.0	3000	3015	1659	18.03+	988	60.2	8.1	36.9
4-5 PM	4413	0.0	3000	2959	1454	17.57+	958	62.0	8.1	36.9
5-6 PM	4450	0.0	3000	3002	1448	17.55+	957	61.7	8.1	36.9
6-7 PM	4001	0.0	3000	2963	1039	16.93+	916	64.8	8.2	36.9
7-8 PM	3368	0.0	3000	2994	374	16.79+	903	67.9	8.3	36.9
8-9 PM	2688	0.0	2999	2688	0	14.48+	777	68.7	8.6	36.9
9-10 PM	2538	0.0	3000	2538	0	7.01	385	68.9	11.2	38.4
10-11 PM	2017	0.0	3000	2017	0	0.27	10	69.6	53.0	49.7
11PM-MID	1538	0.0	3000	1538	0	0.18	0	70.1	57.9	49.7

+ 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	0.0112
MAIN ROUTE WITH WORKS	0.0029
'DIVERSION'	0.0049
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$222,542
CONGESTED HOURS PER DAY*	15

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

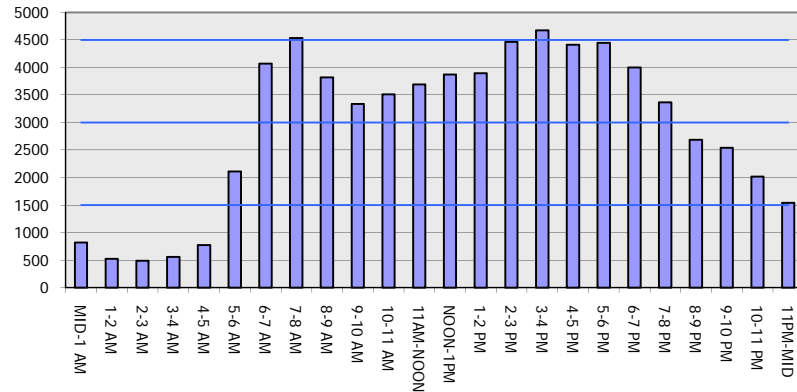
**OCTOBER**

Analyzed for 2009  
Construction Season

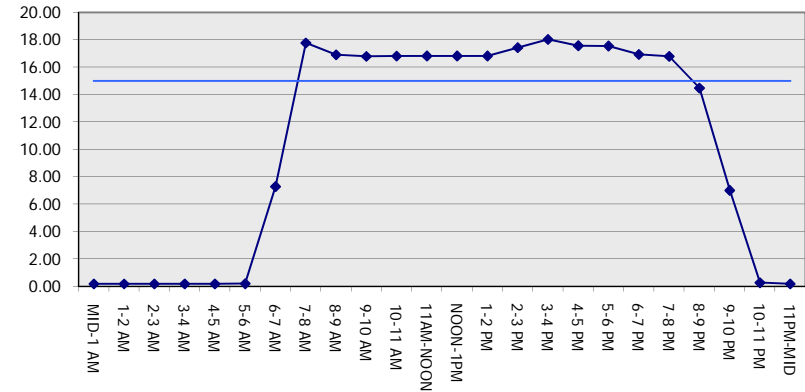
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY WESTBOUND DIRECTION**

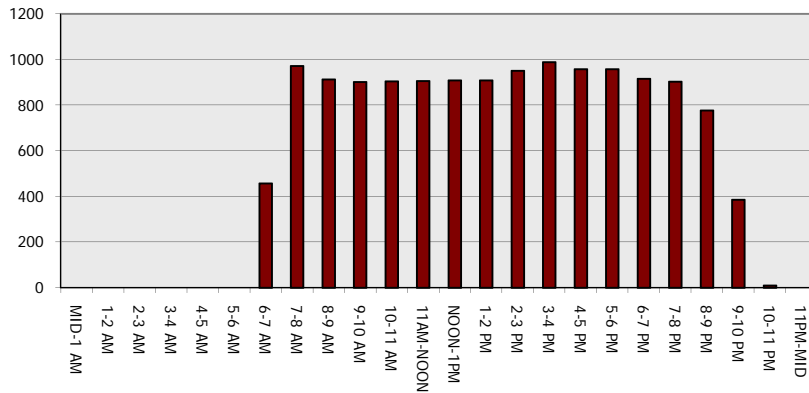
**Main Route - Traffic Demand (Vehicles Per Hour)**



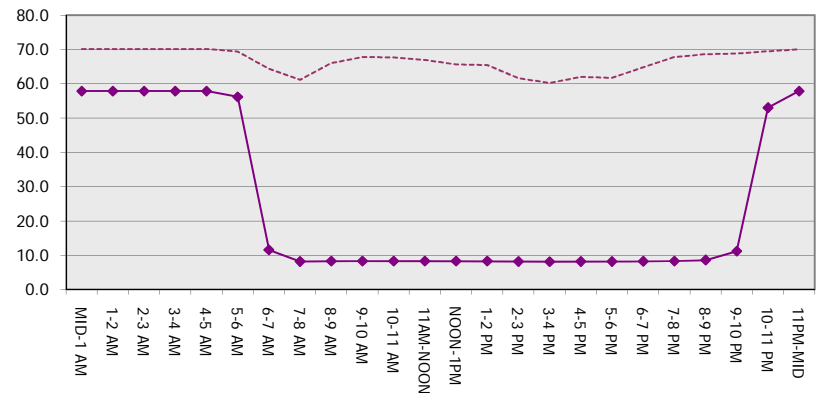
**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**



<b>IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**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	713	0.0	3000	713	0	0.18	0	70.2	57.9	49.7
1-2 AM	524	0.0	3000	524	0	0.18	0	70.2	57.9	49.7
2-3 AM	509	0.0	3000	509	0	0.18	0	70.2	57.9	49.7
3-4 AM	666	0.0	3000	666	0	0.18	0	70.2	57.9	49.7
4-5 AM	1096	0.0	3000	1096	0	0.18	0	70.2	57.9	49.7
5-6 AM	2196	0.0	2999	2196	0	0.20	0	69.3	56.1	47.7
6-7 AM	3706	0.0	2999	3706	0	4.99	307	66.8	13.4	36.9
7-8 AM	3665	0.0	2999	3218	446	16.31+	878	67.1	8.3	36.9
8-9 AM	3240	0.0	2999	2988	252	16.77+	901	68.0	8.3	36.9
9-10 AM	3078	0.0	2999	2993	85	16.74+	899	68.2	8.3	36.9
10-11 AM	3151	0.0	2999	2998	153	16.75+	900	68.1	8.3	36.9
11AM-NOON	3397	0.0	2999	3001	396	16.79+	903	67.8	8.3	36.9
NOON-1PM	3706	0.0	2999	3002	704	16.82+	906	66.8	8.3	36.9
1-2 PM	3960	0.0	3000	3003	957	16.82+	909	65.1	8.3	36.9
2-3 PM	4536	0.0	3000	3078	1458	17.55+	959	61.2	8.1	36.9
3-4 PM	4808	0.0	2999	3005	1803	18.10+	994	59.3	8.1	36.9
4-5 PM	5164	0.0	3000	3000	2164	17.99+	995	56.9	8.1	36.9
5-6 PM	5050	0.0	3000	3000	2050	18.03+	995	57.6	8.1	36.9
6-7 PM	3979	0.0	3000	2930	1049	17.11+	926	65.0	8.2	36.9
7-8 PM	2990	0.0	2999	2886	105	16.40+	880	68.3	8.3	36.9
8-9 PM	2328	0.0	2999	2328	0	8.73	493	69.1	10.4	39.7
9-10 PM	2260	0.0	3000	2260	0	0.30	13	69.2	51.5	49.4
10-11 PM	1872	0.0	3000	1872	0	0.18	0	69.7	57.7	49.7
11PM-MID	1372	0.0	3000	1372	0	0.18	0	70.2	57.9	49.7

+ 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	0.0108
MAIN ROUTE WITH WORKS	0.0029
'DIVERSION'	0.0043

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$206,658
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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**OCTOBER**  
 Analyzed for 2009  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

