

IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	816	0.0	1500	816	0	0.68	40	70.2	39.4	45.2	
1-2 AM	487	0.0	1500	487	0	0.22	0	70.2	56.0	46.9	
2-3 AM	427	0.0	1500	427	0	0.21	0	70.2	56.1	47.3	
3-4 AM	484	0.0	1500	484	0	0.22	0	70.2	56.0	47.0	
4-5 AM	766	0.0	1500	766	0	0.24	0	70.2	55.0	45.8	
5-6 AM	2080	0.0	1499	2080	0	4.47	186	69.4	13.3	32.5	
6-7 AM	4074	0.0	1500	1449	2625	16.86+	432	64.3	5.4	34.7	
7-8 AM	4645	0.0	1499	1500	3145	16.93+	435	60.4	5.3	32.5	
8-9 AM	3875	0.0	1499	1465	2410	16.96+	432	65.7	5.4	32.5	
9-10 AM	3311	0.0	1499	1464	1846	17.00+	432	67.9	5.4	32.5	
10-11 AM	3388	0.0	1499	1495	1893	17.10+	435	67.8	5.3	32.5	
11AM-NOON	3468	0.0	1499	1500	1968	17.11+	435	67.8	5.3	32.5	
NOON-1PM	3382	0.0	1499	1497	1884	17.10+	435	67.8	5.3	32.5	
1-2 PM	3324	0.0	1499	1495	1829	17.10+	435	67.9	5.3	32.5	
2-3 PM	3880	0.0	1500	1500	2380	17.07+	435	65.6	5.3	32.5	
3-4 PM	4166	0.0	1500	1500	2666	17.02+	435	63.7	5.3	32.5	
4-5 PM	4037	0.0	1500	1500	2537	17.04+	435	64.6	5.3	32.5	
5-6 PM	3785	0.0	1500	1500	2285	17.08+	435	66.3	5.3	32.5	
6-7 PM	3126	0.0	1499	1490	1637	17.00+	432	68.1	5.4	32.5	
7-8 PM	2486	0.0	1500	1495	991	16.61+	421	68.9	5.5	32.5	
8-9 PM	2075	0.0	1500	1499	577	16.57+	420	69.4	5.5	32.5	
9-10 PM	2033	0.0	1499	1499	534	16.56+	420	69.5	5.5	32.5	
10-11 PM	1692	0.0	1499	1499	193	16.55+	419	69.9	5.5	32.5	
11PM-MID	1291	0.0	1499	1291	0	13.70+	350	70.2	6.0	32.5	

+ 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

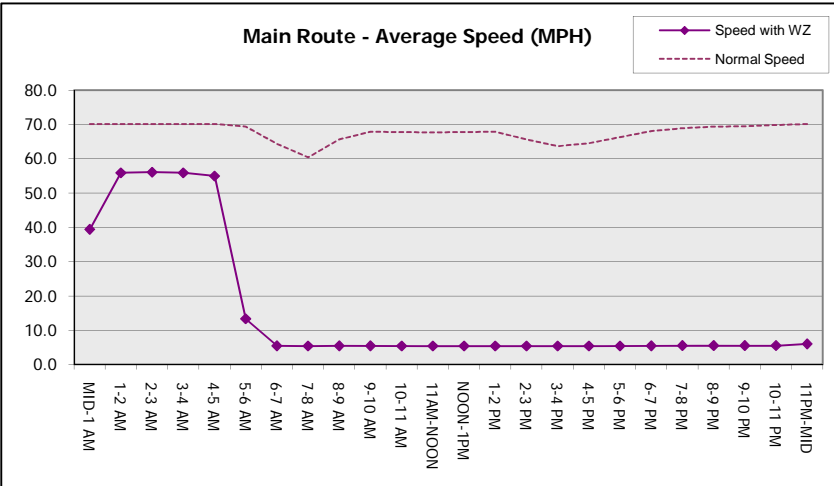
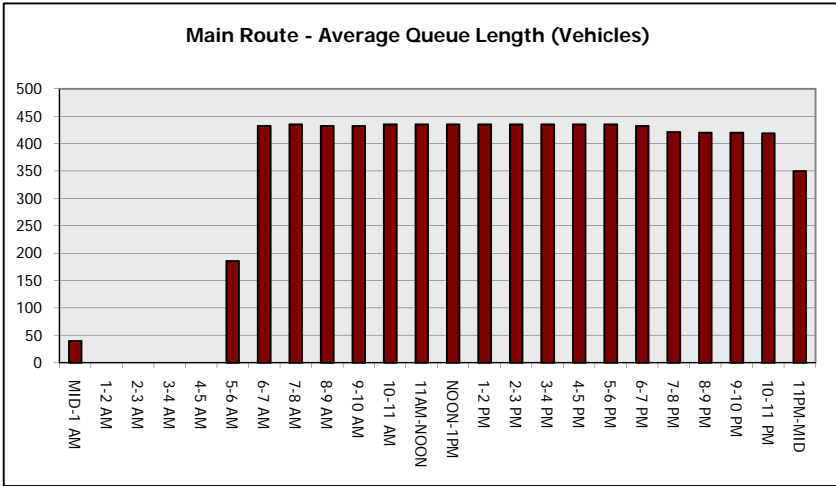
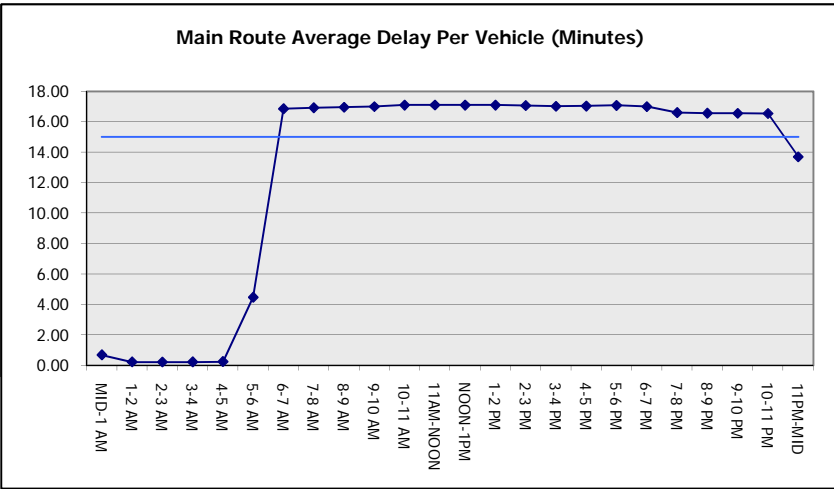
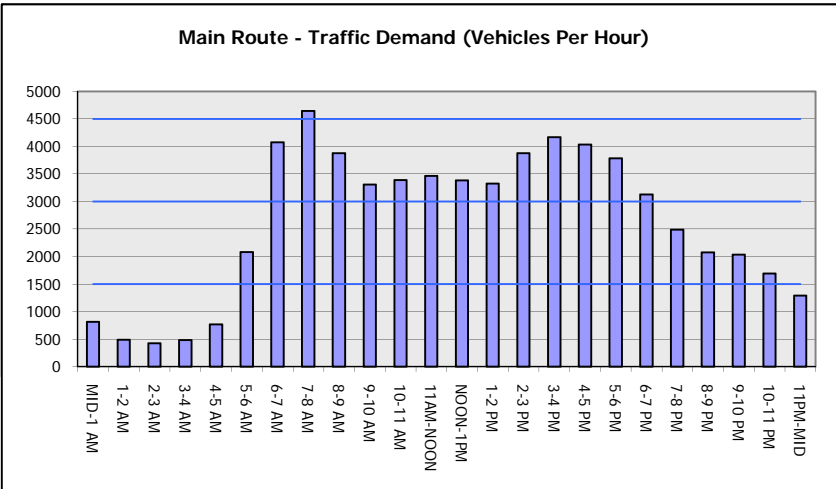
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0100
MAIN ROUTE WITH WORKS	0.0016
'DIVERSION'	0.0116
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$216,685
CONGESTED HOURS PER DAY*	18

*Delays Exceeding User-Specified Maximum

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AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	727	0.0	1500	727	0	0.51	26	70.2	44.0	45.8
1-2 AM	479	0.0	1500	479	0	0.22	0	70.2	56.0	47.0
2-3 AM	446	0.0	1500	446	0	0.22	0	70.2	56.1	47.1
3-4 AM	537	0.0	1500	537	0	0.22	0	70.2	55.8	46.8
4-5 AM	1132	0.0	1499	1132	0	0.33	0	70.2	50.7	40.4
5-6 AM	2459	0.0	1499	1862	598	10.67+	297	69.0	7.0	32.6
6-7 AM	3516	0.0	1500	1519	1998	17.02+	433	67.7	5.4	32.4
7-8 AM	3612	0.0	1500	1504	2108	17.09+	435	67.5	5.3	32.5
8-9 AM	3323	0.0	1500	1521	1802	17.01+	432	67.9	5.4	32.5
9-10 AM	3221	0.0	1500	1516	1705	17.03+	433	68.1	5.4	32.5
10-11 AM	3033	0.0	1500	1507	1525	16.94+	430	68.2	5.4	32.5
11AM-NOON	3213	0.0	1499	1503	1710	17.08+	434	68.1	5.3	32.5
NOON-1PM	3449	0.0	1499	1500	1949	17.11+	435	67.8	5.3	32.5
1-2 PM	3473	0.0	1499	1500	1973	17.11+	435	67.8	5.3	32.5
2-3 PM	4200	0.0	1499	1500	2700	17.01+	435	63.5	5.3	32.5
3-4 PM	4583	0.0	1500	1500	3083	16.95+	435	60.9	5.3	32.5
4-5 PM	4997	0.0	1500	1500	3497	16.87+	435	58.0	5.3	32.5
5-6 PM	4961	0.0	1500	1500	3461	16.87+	435	58.2	5.3	32.5
6-7 PM	3799	0.0	1500	1500	2299	17.08+	435	66.2	5.3	32.5
7-8 PM	2747	0.0	1500	1497	1250	16.73+	424	68.6	5.4	32.5
8-9 PM	2358	0.0	1499	1499	859	16.58+	420	69.1	5.5	32.5
9-10 PM	2197	0.0	1499	1499	698	16.57+	420	69.3	5.5	32.5
10-11 PM	1803	0.0	1500	1499	304	16.55+	419	69.8	5.5	32.5
11PM-MID	1263	0.0	1499	1263	0	13.26+	341	70.2	6.1	33.0

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0104
MAIN ROUTE WITH WORKS	0.0016
'DIVERSION'	0.0124
<small>PIA: Personal Injury Accidents</small>	
ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$226,448
CONGESTED HOURS PER DAY*	19

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

