

IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 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	3000	816	0	0.18	0	70.2	57.9	49.7	
1-2 AM	487	0.0	3000	487	0	0.18	0	70.2	57.9	49.7	
2-3 AM	427	0.0	3000	427	0	0.18	0	70.2	57.9	49.7	
3-4 AM	484	0.0	3000	484	0	0.18	0	70.2	57.9	49.7	
4-5 AM	766	0.0	3000	766	0	0.18	0	70.2	57.9	49.7	
5-6 AM	2080	0.0	2999	2080	0	0.20	0	69.4	56.4	48.0	
6-7 AM	4074	0.0	2999	4074	0	7.25+	457	64.3	11.6	36.9	
7-8 AM	4645	0.0	2999	2908	1736	17.86+	978	60.4	8.1	36.9	
8-9 AM	3875	0.0	3000	2935	940	16.98+	917	65.7	8.2	36.9	
9-10 AM	3311	0.0	2999	2992	319	16.78+	902	67.9	8.3	36.9	
10-11 AM	3388	0.0	2999	2997	391	16.79+	903	67.8	8.3	36.9	
11AM-NOON	3468	0.0	2999	2999	469	16.81+	904	67.8	8.3	36.9	
NOON-1PM	3382	0.0	3000	2999	383	16.79+	903	67.8	8.3	36.9	
1-2 PM	3324	0.0	3000	2999	325	16.78+	902	67.9	8.3	36.9	
2-3 PM	3880	0.0	2999	3004	876	16.82+	908	65.6	8.3	36.9	
3-4 PM	4166	0.0	3000	3016	1150	16.90+	917	63.7	8.2	36.9	
4-5 PM	4037	0.0	3000	2990	1047	16.83+	911	64.6	8.3	36.9	
5-6 PM	3785	0.0	3000	2997	788	16.82+	907	66.3	8.3	36.9	
6-7 PM	3126	0.0	3000	2974	153	16.71+	898	68.1	8.3	36.9	
7-8 PM	2486	0.0	2999	2486	0	12.17+	659	68.9	9.1	37.3	
8-9 PM	2075	0.0	3000	2075	0	0.68	78	69.4	40.0	49.0	
9-10 PM	2033	0.0	3000	2033	0	0.18	0	69.5	57.6	49.7	
10-11 PM	1692	0.0	3000	1692	0	0.18	0	69.9	57.8	49.7	
11PM-MID	1291	0.0	3000	1291	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

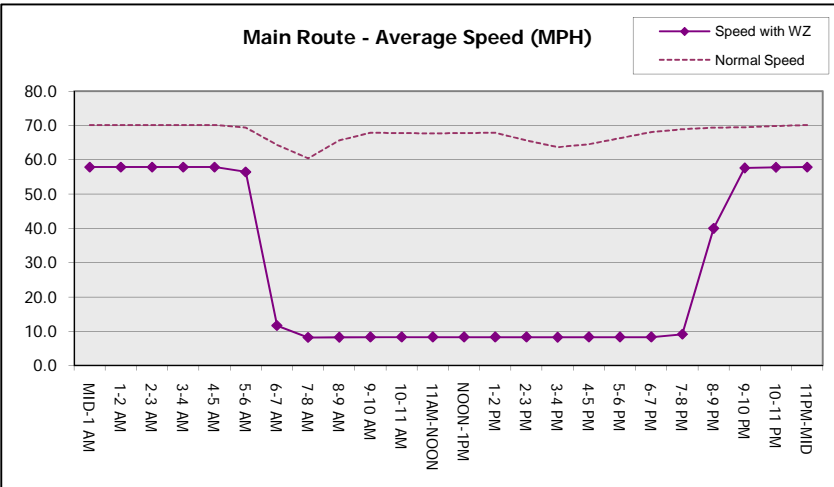
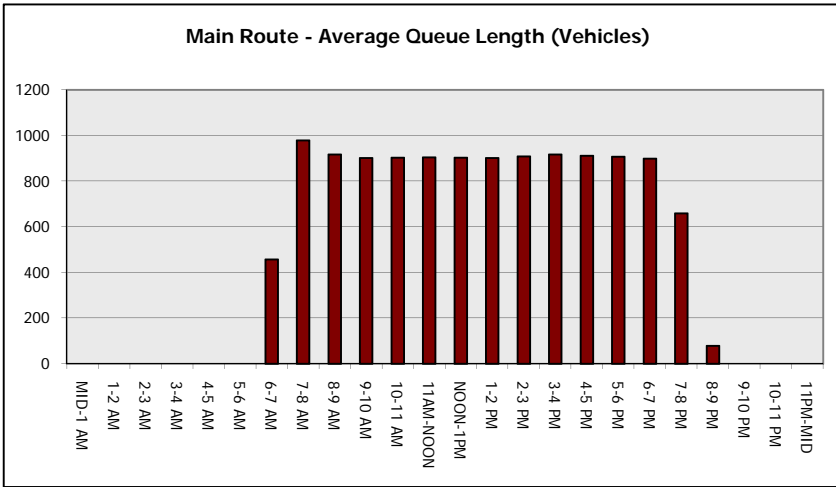
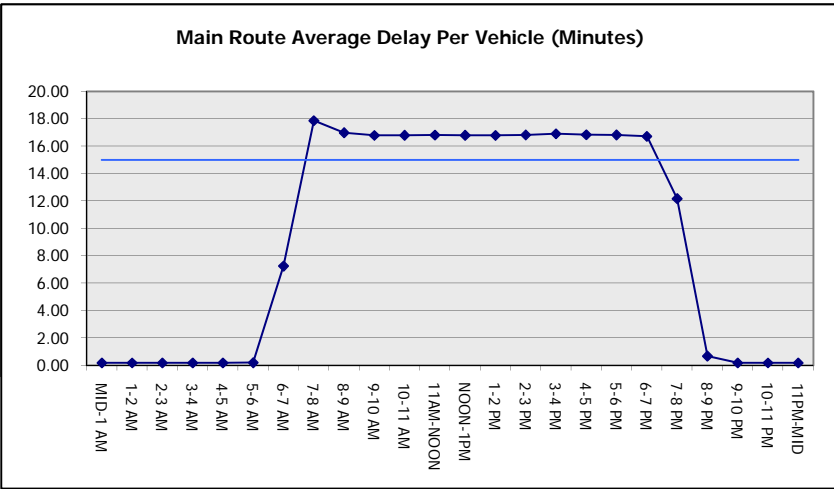
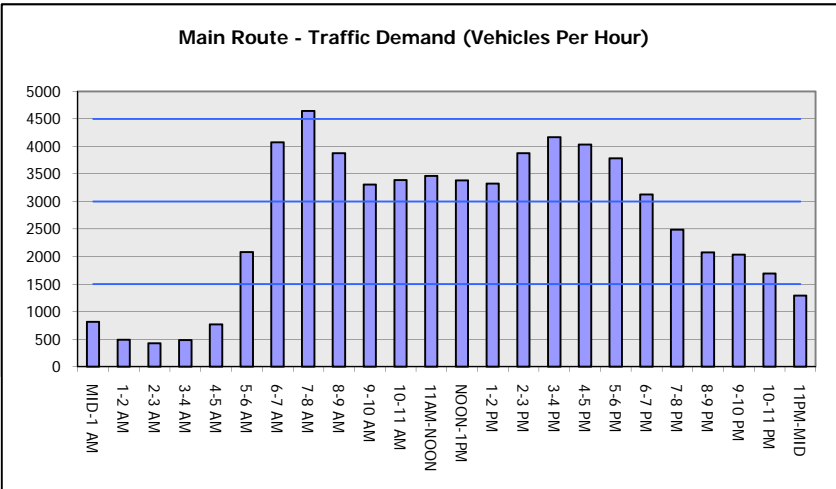
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0100
MAIN ROUTE WITH WORKS	0.0028
'DIVERSION'	0.0032
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$180,183
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE
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AUGUST
Analyzed for 2009
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) 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	3000	727	0	0.18	0	70.2	57.9	49.7
1-2 AM	479	0.0	3000	479	0	0.18	0	70.2	57.9	49.7
2-3 AM	446	0.0	3000	446	0	0.18	0	70.2	57.9	49.7
3-4 AM	537	0.0	3000	537	0	0.18	0	70.2	57.9	49.7
4-5 AM	1132	0.0	3000	1132	0	0.18	0	70.2	57.9	49.7
5-6 AM	2459	0.0	2999	2459	0	0.24	0	69.0	54.2	45.3
6-7 AM	3516	0.0	2999	3516	0	3.64	222	67.7	15.7	36.9
7-8 AM	3612	0.0	2999	3341	271	14.61+	790	67.5	8.6	36.9
8-9 AM	3323	0.0	3000	3024	299	16.78+	902	67.9	8.3	36.9
9-10 AM	3221	0.0	3000	3011	210	16.76+	901	68.1	8.3	36.9
10-11 AM	3033	0.0	3000	3006	27	16.72+	898	68.2	8.3	36.9
11AM-NOON	3213	0.0	2999	3002	211	16.76+	901	68.1	8.3	36.9
NOON-1PM	3449	0.0	3000	3002	447	16.80+	903	67.8	8.3	36.9
1-2 PM	3473	0.0	3000	3001	472	16.81+	904	67.8	8.3	36.9
2-3 PM	4200	0.0	2999	3040	1160	16.98+	922	63.5	8.2	36.9
3-4 PM	4583	0.0	3000	3050	1533	17.73+	970	60.9	8.1	36.9
4-5 PM	4997	0.0	2999	3000	1997	18.05+	995	58.0	8.1	36.9
5-6 PM	4961	0.0	3000	3000	1961	18.06+	995	58.2	8.1	36.9
6-7 PM	3799	0.0	3000	2923	876	17.02+	919	66.2	8.2	36.9
7-8 PM	2747	0.0	2999	2737	11	15.36+	825	68.6	8.4	36.9
8-9 PM	2358	0.0	2999	2358	0	5.76	348	69.1	12.6	40.7
9-10 PM	2197	0.0	3000	2197	0	0.18	0	69.3	57.5	49.7
10-11 PM	1803	0.0	3000	1803	0	0.18	0	69.8	57.8	49.7
11PM-MID	1263	0.0	3000	1263	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	0.0104
MAIN ROUTE WITH WORKS	0.0028
'DIVERSION'	0.0035

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$188,258
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

