

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	1406	0.0	3000	1406	0	0.36	0	70.2	58.0	49.7
1-2 AM	794	0.0	3000	794	0	0.36	0	70.2	58.0	49.7
2-3 AM	544	0.0	3000	544	0	0.36	0	70.2	58.0	49.7
3-4 AM	395	0.0	3000	395	0	0.36	0	70.2	58.0	49.7
4-5 AM	433	0.0	3000	433	0	0.36	0	70.2	58.0	49.7
5-6 AM	692	0.0	3000	692	0	0.36	0	70.2	58.0	49.7
6-7 AM	1095	0.0	3000	1095	0	0.36	0	70.2	58.0	49.7
7-8 AM	1350	0.0	3000	1350	0	0.36	0	70.2	58.0	49.7
8-9 AM	2027	0.0	2999	2027	0	0.35	0	69.5	57.8	49.7
9-10 AM	2996	0.0	2999	2996	0	1.08	28	68.3	42.3	38.8
10-11 AM	3891	0.0	3000	3891	0	9.15+	522	65.6	13.5	36.9
11AM-NOON	4179	0.0	2999	2903	1276	17.18+	915	63.6	10.0	36.9
NOON-1PM	4534	0.0	2999	3039	1496	17.42+	935	61.2	9.9	36.9
1-2 PM	4650	0.0	3000	3009	1641	17.70+	953	60.4	9.9	36.9
2-3 PM	4647	0.0	3000	2999	1647	17.71+	954	60.4	9.9	36.9
3-4 PM	4747	0.0	2999	3002	1745	17.79+	960	59.7	9.9	36.9
4-5 PM	4790	0.0	3000	3000	1789	17.78+	961	59.4	9.9	36.9
5-6 PM	4262	0.0	3000	2943	1319	17.16+	915	63.0	10.0	36.9
6-7 PM	4177	0.0	2999	2993	1184	16.93+	900	63.6	10.1	36.9
7-8 PM	3709	0.0	3000	2997	712	16.85+	888	66.8	10.1	36.9
8-9 PM	3195	0.0	3000	2996	199	16.81+	883	68.1	10.1	36.9
9-10 PM	2884	0.0	2999	2870	15	16.20+	849	68.4	10.3	36.9
10-11 PM	2171	0.0	2999	2171	0	5.33	390	69.4	19.5	43.2
11PM-MID	1427	0.0	3000	1427	0	0.36	0	70.2	58.0	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

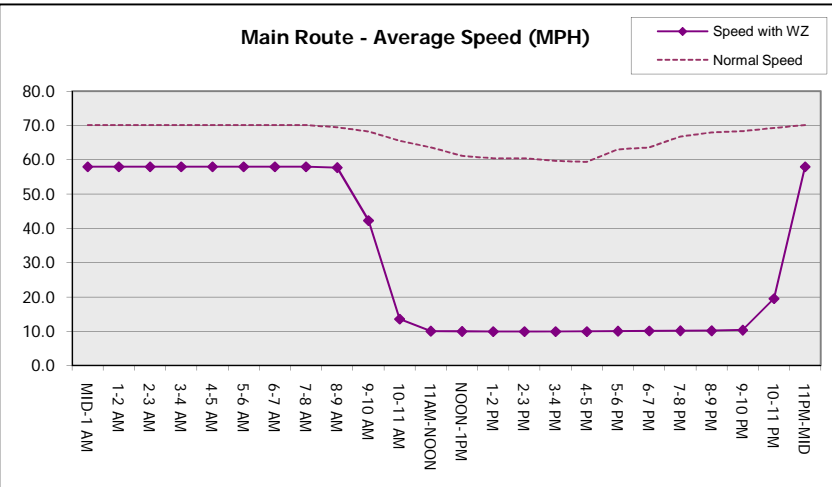
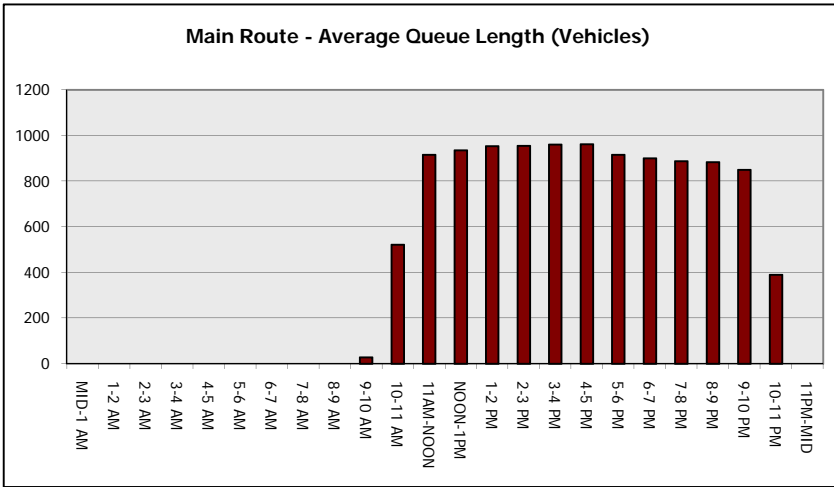
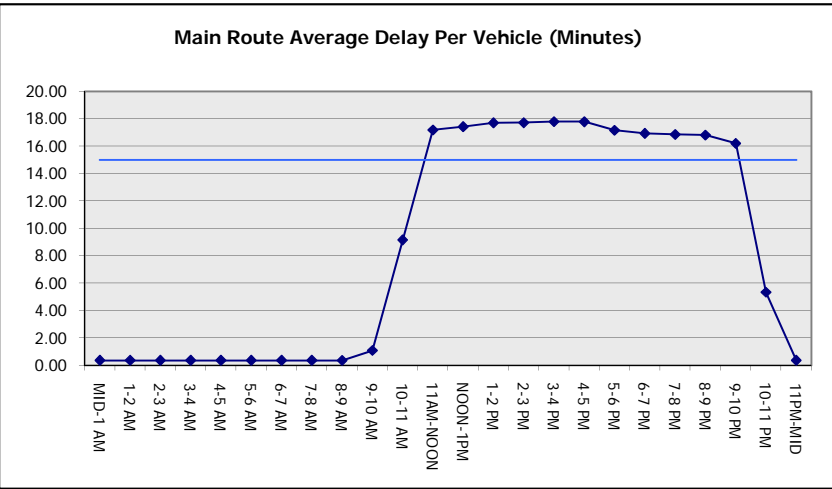
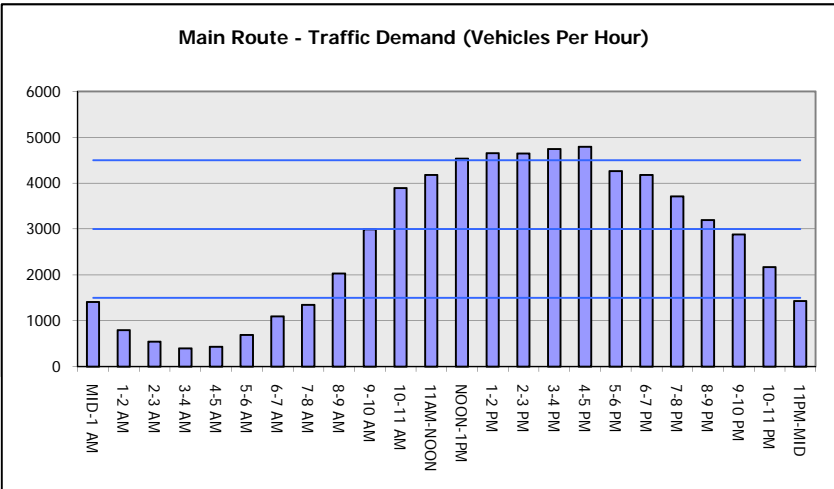
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0207
MAIN ROUTE WITH WORKS	0.0131
'DIVERSION'	0.0096
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$237,752
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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

AUGUST
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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

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	1766	0.0	3000	1766	0	0.36	0	69.9	57.9	49.7	
1-2 AM	1152	0.0	3000	1152	0	0.36	0	70.2	58.0	49.7	
2-3 AM	908	0.0	3000	908	0	0.36	0	70.2	58.0	49.7	
3-4 AM	619	0.0	3000	619	0	0.36	0	70.2	58.0	49.7	
4-5 AM	700	0.0	3000	700	0	0.36	0	70.2	58.0	49.7	
5-6 AM	1082	0.0	3000	1082	0	0.36	0	70.2	58.0	49.7	
6-7 AM	1315	0.0	3000	1315	0	0.36	0	70.2	58.0	49.7	
7-8 AM	1613	0.0	3000	1613	0	0.36	0	70.0	57.9	49.7	
8-9 AM	2303	0.0	2999	2303	0	0.40	0	69.2	56.1	47.6	
9-10 AM	3459	0.0	2999	3459	0	3.07	170	67.8	25.2	36.9	
10-11 AM	4183	0.0	3000	3461	723	15.26+	819	63.6	10.6	36.9	
11AM-NOON	4892	0.0	2999	3036	1856	17.64+	955	58.7	9.9	36.9	
NOON-1PM	5619	0.0	3000	3000	2620	17.41+	961	53.8	9.9	36.9	
1-2 PM	5828	0.0	3000	3000	2828	17.30+	961	52.4	9.9	36.9	
2-3 PM	6055	0.0	3000	3000	3055	17.18+	961	50.8	9.9	36.9	
3-4 PM	5988	0.0	3000	3000	2988	17.22+	961	51.2	9.9	36.9	
4-5 PM	5806	0.0	3000	3000	2806	17.31+	961	52.5	9.9	36.9	
5-6 PM	5345	0.0	3000	3000	2345	17.54+	961	55.6	9.9	36.9	
6-7 PM	4907	0.0	3000	3001	1906	17.73+	961	58.6	9.9	36.9	
7-8 PM	3942	0.0	3000	2940	1001	16.97+	899	65.2	10.1	36.9	
8-9 PM	3431	0.0	2999	2995	436	16.84+	885	67.8	10.1	36.9	
9-10 PM	2925	0.0	3000	2874	51	16.30+	854	68.4	10.2	36.9	
10-11 PM	2057	0.0	2999	2057	0	4.08	354	69.5	23.2	44.0	
11PM-MID	1414	0.0	3000	1414	0	0.36	0	70.2	58.0	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	0.0246
MAIN ROUTE WITH WORKS	0.0138
'DIVERSION'	0.0167

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$290,439
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

