

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) OFF-PEAK DAY 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	OFF	1406	0	0.00	0	70.2	70.2	70.2	
1-2 AM	794	0.0	OFF	794	0	0.00	0	70.2	70.2	70.2	
2-3 AM	544	0.0	OFF	544	0	0.00	0	70.2	70.2	70.2	
3-4 AM	395	0.0	OFF	395	0	0.00	0	70.2	70.2	70.2	
4-5 AM	433	0.0	OFF	433	0	0.00	0	70.2	70.2	70.2	
5-6 AM	692	0.0	OFF	692	0	0.00	0	70.2	70.2	70.2	
6-7 AM	1095	0.0	OFF	1095	0	0.00	0	70.2	70.2	70.2	
7-8 AM	1350	0.0	OFF	1350	0	0.00	0	70.2	70.2	70.2	
8-9 AM	2027	0.0	OFF	2027	0	0.00	0	69.5	69.5	69.5	
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	OFF	3709	0	1.92	174	66.8	32.2	32.2	
8-9 PM	3195	0.0	OFF	3195	0	0.00	0	68.1	68.1	68.1	
9-10 PM	2884	0.0	OFF	2884	0	0.00	0	68.4	68.4	68.4	
10-11 PM	2171	0.0	OFF	2171	0	0.00	0	69.4	69.4	69.4	
11PM-MID	1427	0.0	OFF	1427	0	0.00	0	70.2	70.2	70.2	

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

+ 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

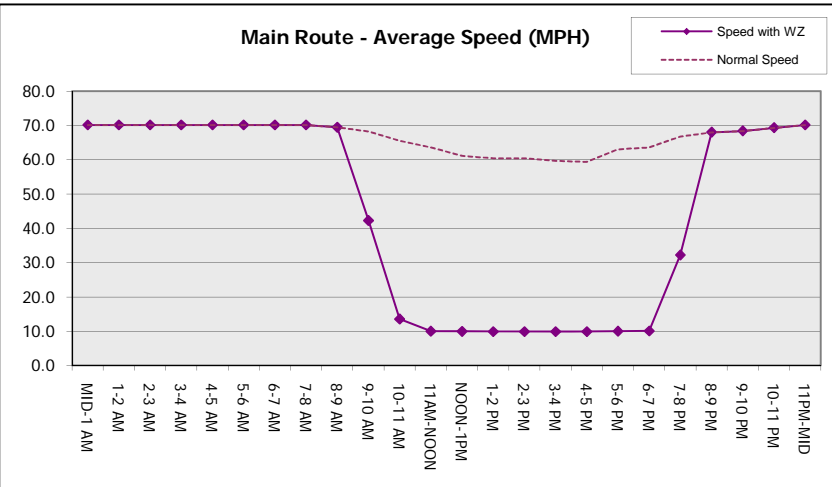
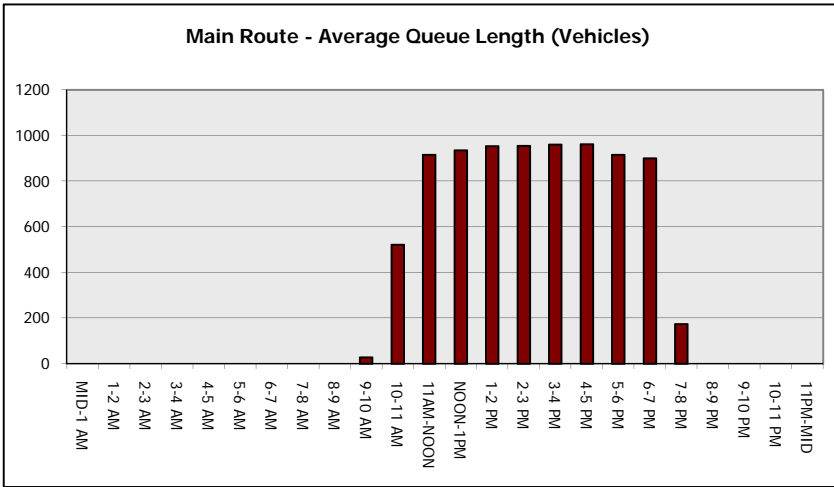
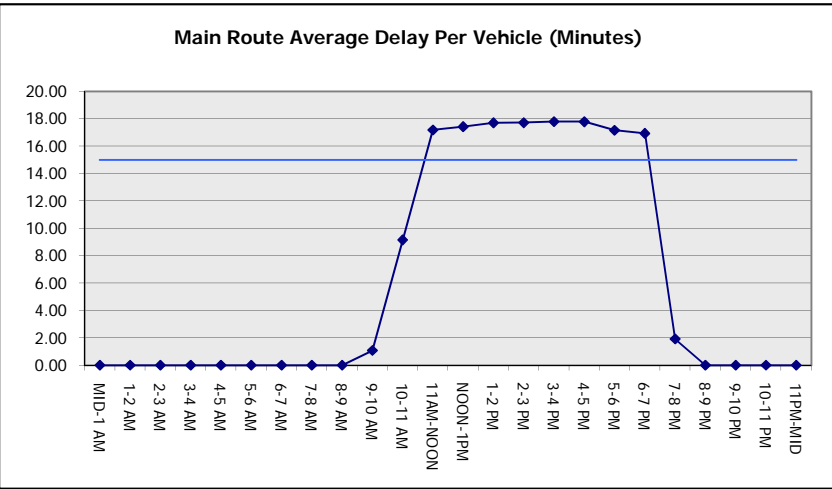
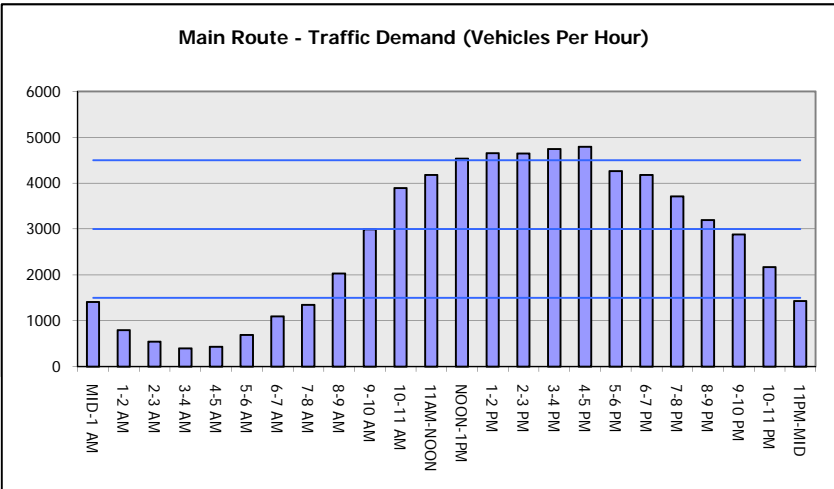
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0207
MAIN ROUTE WITH WORKS	0.0148
'DIVERSION'	0.0089
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$185,877
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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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	1766	0.0	OFF	1766	0	0.00	0	69.9	69.9	69.9
1-2 AM	1152	0.0	OFF	1152	0	0.00	0	70.2	70.2	70.2
2-3 AM	908	0.0	OFF	908	0	0.00	0	70.2	70.2	70.2
3-4 AM	619	0.0	OFF	619	0	0.00	0	70.2	70.2	70.2
4-5 AM	700	0.0	OFF	700	0	0.00	0	70.2	70.2	70.2
5-6 AM	1082	0.0	OFF	1082	0	0.00	0	70.2	70.2	70.2
6-7 AM	1315	0.0	OFF	1315	0	0.00	0	70.2	70.2	70.2
7-8 AM	1613	0.0	OFF	1613	0	0.00	0	70.0	70.0	70.0
8-9 AM	2303	0.0	OFF	2303	0	0.00	0	69.2	69.2	69.2
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	OFF	3942	0	2.43	222	65.2	28.1	28.1
8-9 PM	3431	0.0	OFF	3431	0	0.00	0	67.8	67.8	67.8
9-10 PM	2925	0.0	OFF	2925	0	0.00	0	68.4	68.4	68.4
10-11 PM	2057	0.0	OFF	2057	0	0.00	0	69.5	69.5	69.5
11PM-MID	1414	0.0	OFF	1414	0	0.00	0	70.2	70.2	70.2

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

+ 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	0.0158
'DIVERSION'	0.0156

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$236,164
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

