

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

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	1105	0.0	OFF	1105	0	0.00	0	70.2	70.2	70.2
1-2 AM	659	0.0	OFF	659	0	0.00	0	70.2	70.2	70.2
2-3 AM	580	0.0	OFF	580	0	0.00	0	70.2	70.2	70.2
3-4 AM	650	0.0	OFF	650	0	0.00	0	70.2	70.2	70.2
4-5 AM	1035	0.0	OFF	1035	0	0.00	0	70.2	70.2	70.2
5-6 AM	2809	0.0	OFF	2809	0	0.00	0	68.6	68.6	68.6
6-7 AM	5504	0.0	OFF	5504	0	0.00	0	54.6	54.6	54.6
7-8 AM	6274	0.0	OFF	6274	0	0.00	0	49.3	49.3	49.3
8-9 AM	5233	0.0	OFF	5233	0	0.00	0	56.4	56.4	56.4
9-10 AM	4472	0.0	OFF	4472	0	0.00	0	61.6	61.6	61.6
10-11 AM	4579	0.0	2999	3921	658	11.46+	655	60.9	12.0	36.9
11AM-NOON	4693	0.0	3000	3039	1654	17.70+	954	60.1	9.9	36.9
NOON-1PM	4575	0.0	3000	2982	1592	17.62+	947	60.9	9.9	36.9
1-2 PM	4501	0.0	3000	3004	1496	17.44+	935	61.4	9.9	36.9
2-3 PM	5240	0.0	2999	3000	2240	17.59+	961	56.4	9.9	36.9
3-4 PM	5624	0.0	OFF	5624	0	7.70	758	53.7	12.1	12.1
4-5 PM	5455	0.0	OFF	5455	0	3.13	297	54.9	22.5	22.5
5-6 PM	5112	0.0	OFF	5112	0	0.01	0	57.3	56.9	56.9
6-7 PM	4217	0.0	OFF	4217	0	0.00	0	63.3	63.3	63.3
7-8 PM	3363	0.0	OFF	3363	0	0.00	0	67.9	67.9	67.9
8-9 PM	2804	0.0	OFF	2804	0	0.00	0	68.6	68.6	68.6
9-10 PM	2752	0.0	OFF	2752	0	0.00	0	68.6	68.6	68.6
10-11 PM	2288	0.0	OFF	2288	0	0.00	0	69.2	69.2	69.2
11PM-MID	1744	0.0	OFF	1744	0	0.00	0	69.9	69.9	69.9

"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

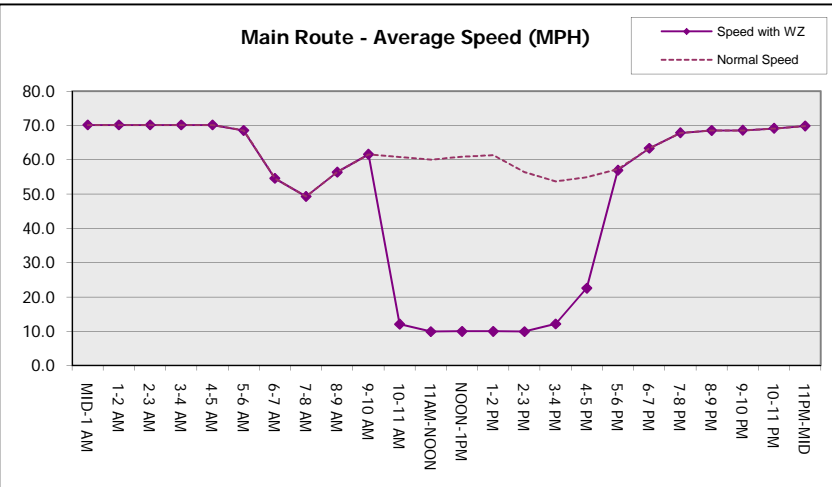
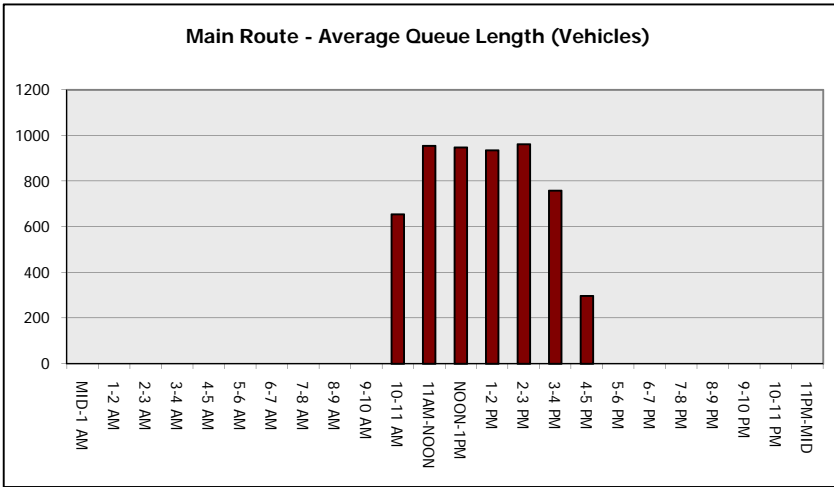
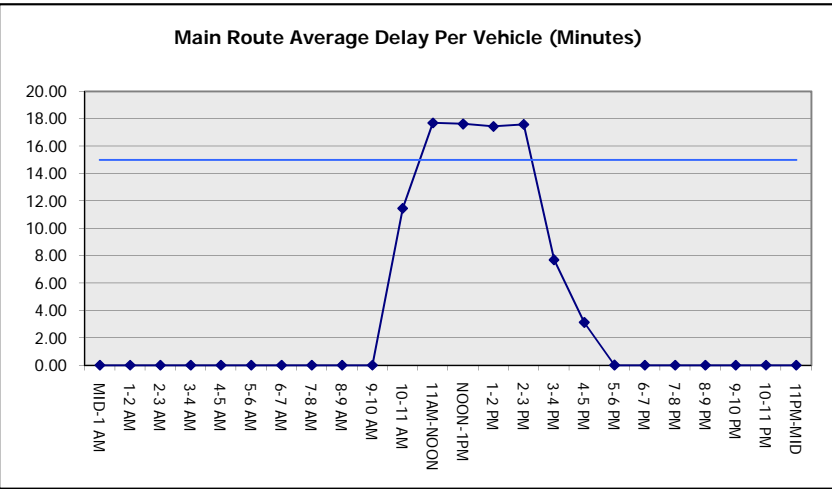
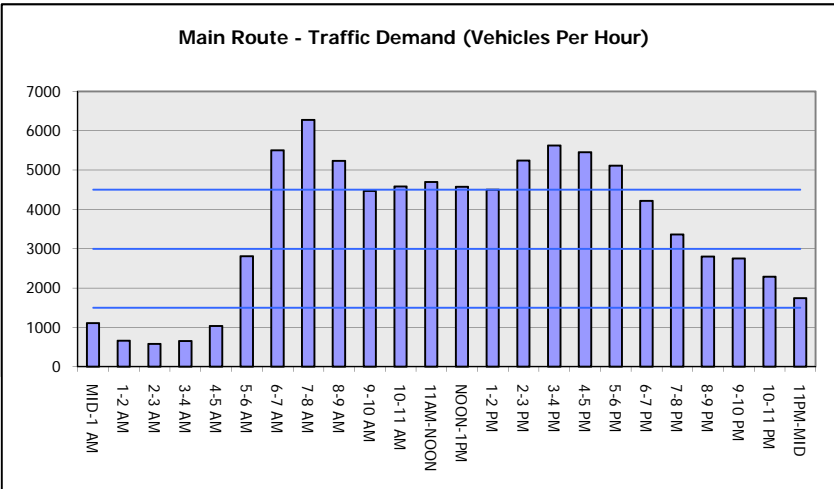
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0271
MAIN ROUTE WITH WORKS	0.0237
'DIVERSION'	0.0056
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$59,135
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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



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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	978	0.0	OFF	978	0	0.00	0	70.2	70.2	70.2
1-2 AM	645	0.0	OFF	645	0	0.00	0	70.2	70.2	70.2
2-3 AM	601	0.0	OFF	601	0	0.00	0	70.2	70.2	70.2
3-4 AM	725	0.0	OFF	725	0	0.00	0	70.2	70.2	70.2
4-5 AM	1531	0.0	OFF	1531	0	0.00	0	70.1	70.1	70.1
5-6 AM	3326	0.0	OFF	3326	0	0.00	0	67.9	67.9	67.9
6-7 AM	4751	0.0	OFF	4751	0	0.00	0	59.7	59.7	59.7
7-8 AM	4880	0.0	OFF	4880	0	0.00	0	58.8	58.8	58.8
8-9 AM	4489	0.0	OFF	4489	0	0.00	0	61.5	61.5	61.5
9-10 AM	4351	0.0	OFF	4351	0	0.00	0	62.4	62.4	62.4
10-11 AM	4097	0.0	2999	4018	79	9.18+	536	64.1	13.5	36.9
11AM-NOON	4341	0.0	2999	2908	1433	17.37+	928	62.5	10.0	36.9
NOON-1PM	4661	0.0	3000	3033	1628	17.65+	951	60.3	9.9	36.9
1-2 PM	4695	0.0	3000	2985	1710	17.70+	954	60.1	9.9	36.9
2-3 PM	5672	0.0	3000	3000	2672	17.38+	961	53.4	9.9	36.9
3-4 PM	6189	0.0	OFF	6189	0	10.33	1039	49.9	9.4	9.4
4-5 PM	6750	0.0	OFF	6750	0	14.82	1508	46.1	6.9	6.9
5-6 PM	6702	0.0	OFF	6702	0	22.10	2234	46.4	4.8	4.8
6-7 PM	5136	0.0	OFF	5136	0	21.78	2153	57.1	5.0	5.0
7-8 PM	3713	0.0	OFF	3713	0	6.86	647	66.8	13.8	13.8
8-9 PM	3187	0.0	OFF	3187	0	0.00	0	68.1	68.1	68.1
9-10 PM	2972	0.0	OFF	2972	0	0.00	0	68.4	68.4	68.4
10-11 PM	2439	0.0	OFF	2439	0	0.00	0	69.0	69.0	69.0
11PM-MID	1713	0.0	OFF	1713	0	0.00	0	69.9	69.9	69.9

"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	0.0282
MAIN ROUTE WITH WORKS	0.0247
'DIVERSION'	0.0055

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$109,262
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

