

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) NIGHTTIME 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	3000	1105	0	0.36	0	70.2	58.0	49.7	
1-2 AM	659	0.0	3000	659	0	0.36	0	70.2	58.0	49.7	
2-3 AM	580	0.0	3000	580	0	0.36	0	70.2	58.0	49.7	
3-4 AM	650	0.0	3000	650	0	0.36	0	70.2	58.0	49.7	
4-5 AM	1035	0.0	3000	1035	0	0.36	0	70.2	58.0	49.7	
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	OFF	4579	0	0.00	0	60.9	60.9	60.9	
11AM-NOON	4693	0.0	OFF	4693	0	0.00	0	60.1	60.1	60.1	
NOON-1PM	4575	0.0	OFF	4575	0	0.00	0	60.9	60.9	60.9	
1-2 PM	4501	0.0	OFF	4501	0	0.00	0	61.4	61.4	61.4	
2-3 PM	5240	0.0	OFF	5240	0	0.00	0	56.4	56.4	56.4	
3-4 PM	5624	0.0	OFF	5624	0	0.00	0	53.7	53.7	53.7	
4-5 PM	5455	0.0	OFF	5455	0	0.00	0	54.9	54.9	54.9	
5-6 PM	5112	0.0	OFF	5112	0	0.00	0	57.3	57.3	57.3	
6-7 PM	4217	0.0	OFF	4217	0	0.00	0	63.3	63.3	63.3	
7-8 PM	3363	0.0	2999	3363	0	4.47	225	67.9	19.8	36.9	
8-9 PM	2804	0.0	2999	2804	0	5.84	284	68.6	16.5	36.9	
9-10 PM	2752	0.0	3000	2752	0	1.60	69	68.6	35.8	39.4	
10-11 PM	2288	0.0	3000	2288	0	0.35	0	69.2	57.6	49.7	
11PM-MID	1744	0.0	3000	1744	0	0.36	0	69.9	57.9	49.7	

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

----- 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

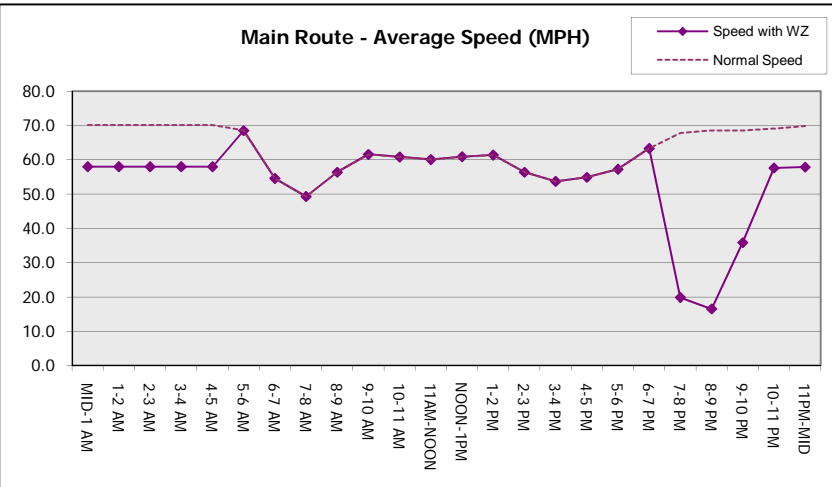
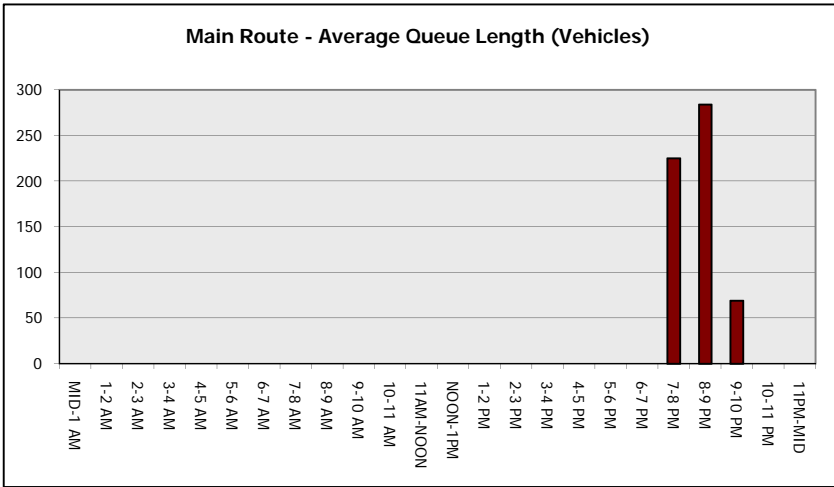
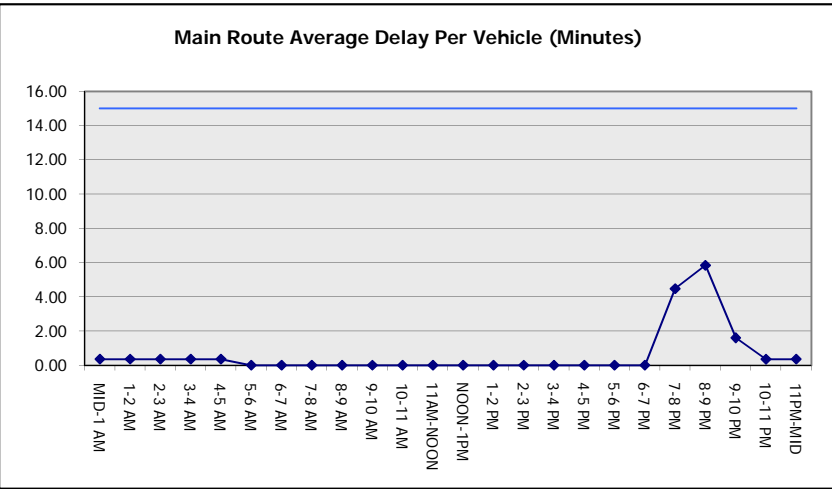
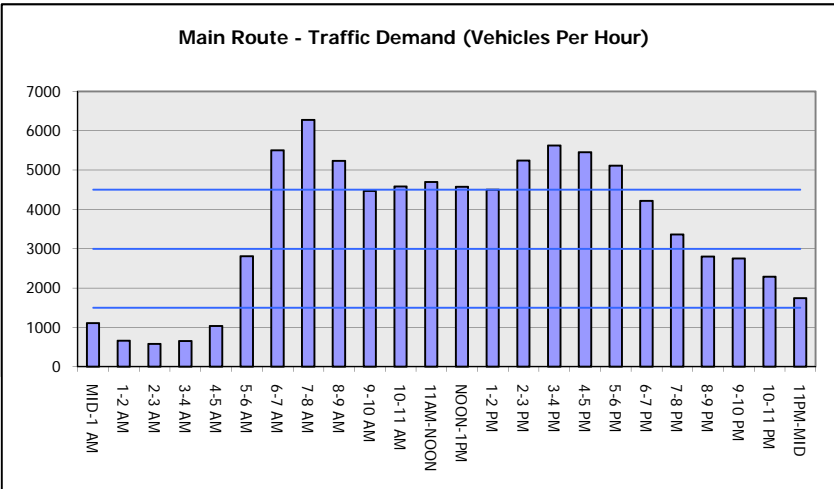
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0271
MAIN ROUTE WITH WORKS	0.0260
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$9,140
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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AUGUST
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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	3000	978	0	0.36	0	70.2	58.0	49.7	
1-2 AM	645	0.0	3000	645	0	0.36	0	70.2	58.0	49.7	
2-3 AM	601	0.0	3000	601	0	0.36	0	70.2	58.0	49.7	
3-4 AM	725	0.0	3000	725	0	0.36	0	70.2	58.0	49.7	
4-5 AM	1531	0.0	3000	1531	0	0.36	0	70.1	58.0	49.7	
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	OFF	4097	0	0.00	0	64.1	64.1	64.1	
11AM-NOON	4341	0.0	OFF	4341	0	0.00	0	62.5	62.5	62.5	
NOON-1PM	4661	0.0	OFF	4661	0	0.00	0	60.3	60.3	60.3	
1-2 PM	4695	0.0	OFF	4695	0	0.00	0	60.1	60.1	60.1	
2-3 PM	5672	0.0	OFF	5672	0	0.00	0	53.4	53.4	53.4	
3-4 PM	6189	0.0	OFF	6189	0	0.00	0	49.9	49.9	49.9	
4-5 PM	6750	0.0	OFF	6750	0	0.00	0	46.1	46.1	46.1	
5-6 PM	6702	0.0	OFF	6702	0	0.00	0	46.4	46.4	46.4	
6-7 PM	5136	0.0	OFF	5136	0	0.00	0	57.1	57.1	57.1	
7-8 PM	3713	0.0	2999	3713	0	7.59	417	66.8	14.7	36.9	
8-9 PM	3187	0.0	2999	3171	16	15.78+	828	68.1	10.4	36.9	
9-10 PM	2972	0.0	3000	2939	33	16.54+	867	68.4	10.2	36.9	
10-11 PM	2439	0.0	2999	2439	0	10.88+	581	69.0	12.3	38.4	
11PM-MID	1713	0.0	3000	1713	0	0.64	30	69.9	51.0	49.7	

"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	0.0270
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$37,058
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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