

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

FRIDAY 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	1302	0.0	3000	1302	0	0.36	0	70.2	58.0	49.7	
1-2 AM	716	0.0	3000	716	0	0.36	0	70.2	58.0	49.7	
2-3 AM	729	0.0	3000	729	0	0.36	0	70.2	58.0	49.7	
3-4 AM	745	0.0	3000	745	0	0.36	0	70.2	58.0	49.7	
4-5 AM	1098	0.0	3000	1098	0	0.36	0	70.2	58.0	49.7	
5-6 AM	2930	0.0	OFF	2930	0	0.00	0	68.4	68.4	68.4	
6-7 AM	5276	0.0	OFF	5276	0	0.00	0	56.1	56.1	56.1	
7-8 AM	5628	0.0	OFF	5628	0	0.00	0	53.7	53.7	53.7	
8-9 AM	5263	0.0	OFF	5263	0	0.00	0	56.2	56.2	56.2	
9-10 AM	4907	0.0	OFF	4907	0	0.00	0	58.6	58.6	58.6	
10-11 AM	5173	0.0	OFF	5173	0	0.00	0	56.8	56.8	56.8	
11AM-NOON	5288	0.0	OFF	5288	0	0.00	0	56.0	56.0	56.0	
NOON-1PM	5478	0.0	OFF	5478	0	0.00	0	54.7	54.7	54.7	
1-2 PM	5776	0.0	OFF	5776	0	0.00	0	52.7	52.7	52.7	
2-3 PM	6004	0.0	OFF	6004	0	0.00	0	51.2	51.2	51.2	
3-4 PM	6072	0.0	OFF	6072	0	0.00	0	50.7	50.7	50.7	
4-5 PM	5579	0.0	OFF	5579	0	0.00	0	54.0	54.0	54.0	
5-6 PM	5827	0.0	OFF	5827	0	0.00	0	52.4	52.4	52.4	
6-7 PM	5537	0.0	OFF	5537	0	0.00	0	54.3	54.3	54.3	
7-8 PM	4810	0.0	2999	3940	870	13.07+	727	59.3	11.2	36.9	
8-9 PM	3815	0.0	3000	2962	853	16.90+	893	66.1	10.1	36.9	
9-10 PM	3377	0.0	2999	2992	386	16.84+	885	67.8	10.1	36.9	
10-11 PM	2838	0.0	2999	2817	21	15.89+	833	68.5	10.4	36.9	
11PM-MID	2163	0.0	2999	2163	0	4.35	348	69.4	22.0	43.7	

"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

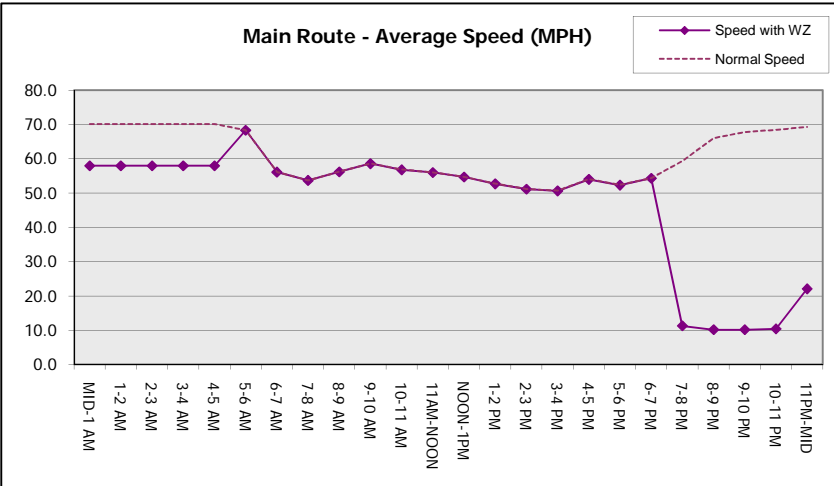
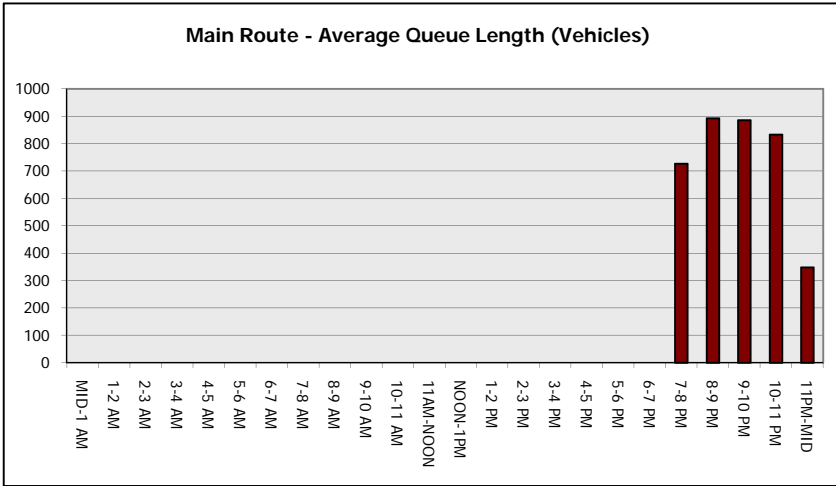
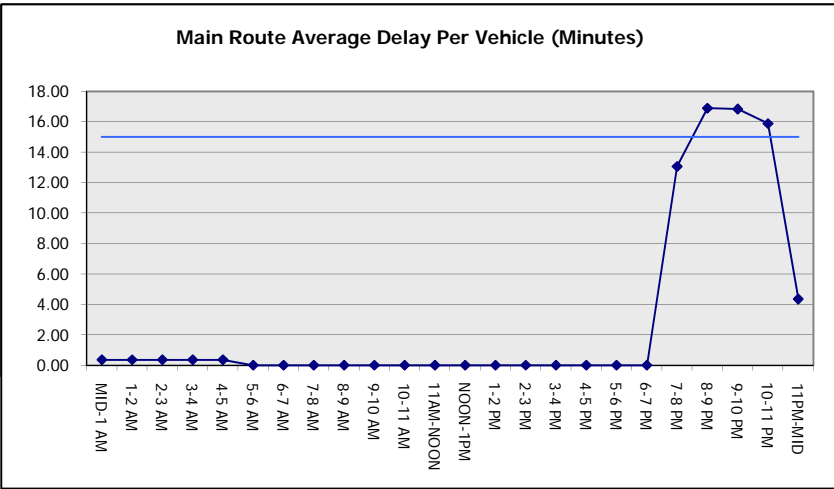
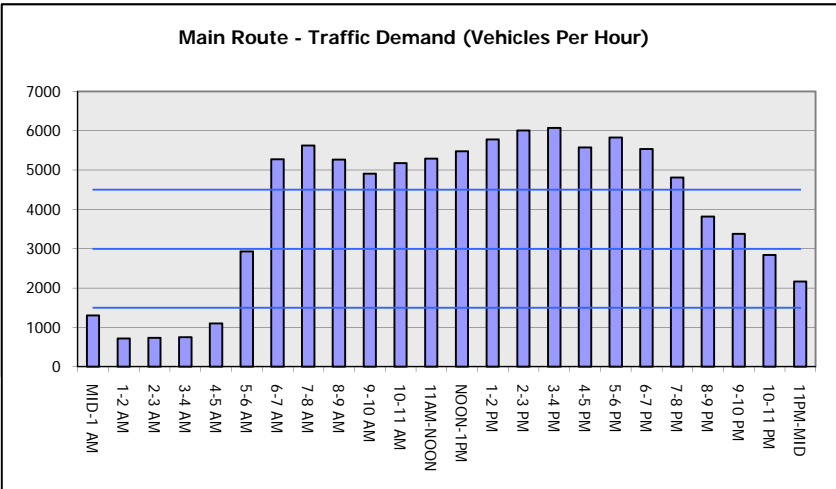
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0307
MAIN ROUTE WITH WORKS	0.0287
'DIVERSION'	0.0016
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,329
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	1063	0.0	3000	1063	0	0.69	45	70.2	50.2	49.7
1-2 AM	737	0.0	3000	737	0	0.36	0	70.2	58.0	49.7
2-3 AM	760	0.0	3000	760	0	0.36	0	70.2	58.0	49.7
3-4 AM	802	0.0	3000	802	0	0.36	0	70.2	58.0	49.7
4-5 AM	1532	0.0	3000	1532	0	0.36	0	70.1	58.0	49.7
5-6 AM	3247	0.0	OFF	3247	0	0.00	0	68.0	68.0	68.0
6-7 AM	4398	0.0	OFF	4398	0	0.00	0	62.1	62.1	62.1
7-8 AM	4197	0.0	OFF	4197	0	0.00	0	63.5	63.5	63.5
8-9 AM	4394	0.0	OFF	4394	0	0.00	0	62.2	62.2	62.2
9-10 AM	4498	0.0	OFF	4498	0	0.00	0	61.4	61.4	61.4
10-11 AM	4526	0.0	OFF	4526	0	0.00	0	61.2	61.2	61.2
11AM-NOON	4820	0.0	OFF	4820	0	0.00	0	59.2	59.2	59.2
NOON-1PM	5312	0.0	OFF	5312	0	0.00	0	55.9	55.9	55.9
1-2 PM	5572	0.0	OFF	5572	0	0.00	0	54.1	54.1	54.1
2-3 PM	6042	0.0	OFF	6042	0	0.00	0	50.9	50.9	50.9
3-4 PM	6499	0.0	OFF	6499	0	0.00	0	47.8	47.8	47.8
4-5 PM	6547	0.0	OFF	6547	0	0.00	0	47.4	47.4	47.4
5-6 PM	6630	0.0	OFF	6630	0	0.00	0	46.9	46.9	46.9
6-7 PM	5167	0.0	OFF	5167	0	0.00	0	56.9	56.9	56.9
7-8 PM	4084	0.0	2999	3937	147	10.08+	573	64.3	12.9	36.9
8-9 PM	3474	0.0	3000	2976	498	16.85+	886	67.8	10.1	36.9
9-10 PM	3474	0.0	2999	2987	487	16.85+	886	67.8	10.1	36.9
10-11 PM	3457	0.0	2999	2993	463	16.84+	885	67.8	10.1	36.9
11PM-MID	2502	0.0	2999	2502	0	13.56+	719	68.9	11.1	37.7

"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	0.0298
MAIN ROUTE WITH WORKS	0.0280
'DIVERSION'	0.0012

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,272
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

