

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

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	OFF	1302	0	0.00	0	70.2	70.2	70.2	
1-2 AM	716	0.0	OFF	716	0	0.00	0	70.2	70.2	70.2	
2-3 AM	729	0.0	OFF	729	0	0.00	0	70.2	70.2	70.2	
3-4 AM	745	0.0	OFF	745	0	0.00	0	70.2	70.2	70.2	
4-5 AM	1098	0.0	OFF	1098	0	0.00	0	70.2	70.2	70.2	
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	2999	3983	1189	13.23+	740	56.8	11.1	36.9	
11AM-NOON	5288	0.0	2999	3000	2288	17.57+	961	56.0	9.9	36.9	
NOON-1PM	5478	0.0	3000	3000	2478	17.48+	961	54.7	9.9	36.9	
1-2 PM	5776	0.0	3000	3000	2776	17.33+	961	52.7	9.9	36.9	
2-3 PM	6004	0.0	3000	3000	3005	17.21+	961	51.2	9.9	36.9	
3-4 PM	6072	0.0	OFF	6072	0	10.17	1019	50.7	9.6	9.6	
4-5 PM	5579	0.0	OFF	5579	0	8.58	845	54.0	11.1	11.1	
5-6 PM	5827	0.0	OFF	5827	0	5.54	548	52.4	15.3	15.3	
6-7 PM	5537	0.0	OFF	5537	0	2.45	231	54.3	25.8	25.8	
7-8 PM	4810	0.0	OFF	4810	0	0.00	0	59.3	59.3	59.3	
8-9 PM	3815	0.0	OFF	3815	0	0.00	0	66.1	66.1	66.1	
9-10 PM	3377	0.0	OFF	3377	0	0.00	0	67.8	67.8	67.8	
10-11 PM	2838	0.0	OFF	2838	0	0.00	0	68.5	68.5	68.5	
11PM-MID	2163	0.0	OFF	2163	0	0.00	0	69.4	69.4	69.4	

"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

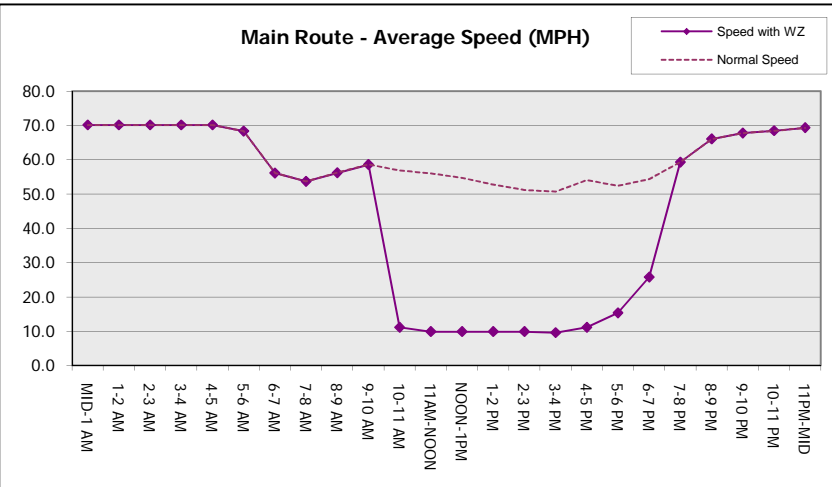
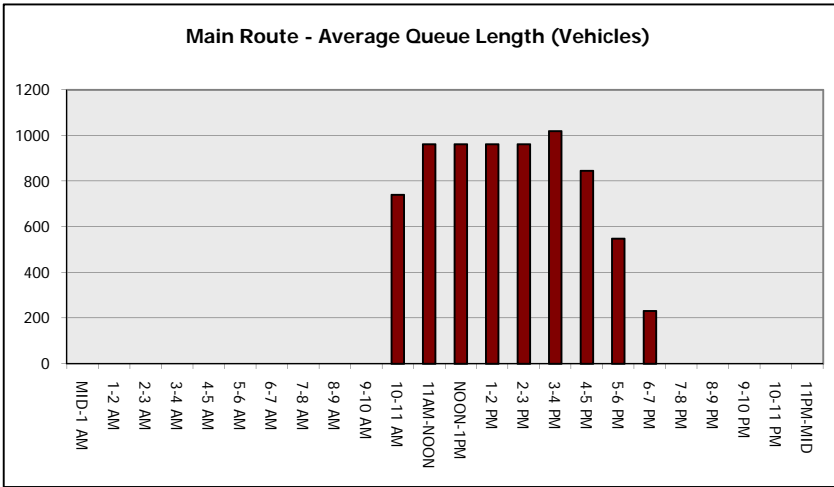
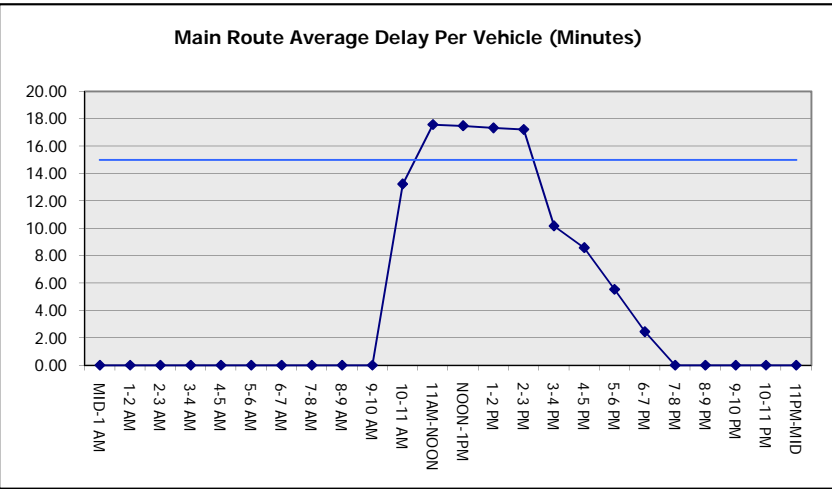
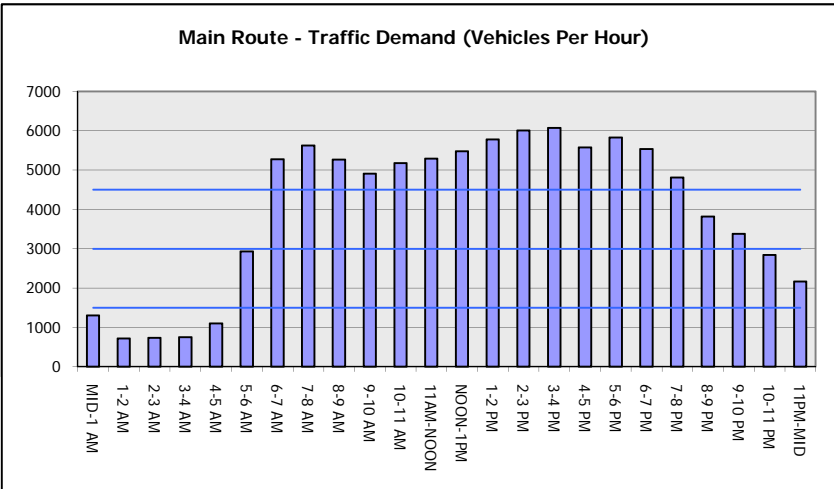
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0307
MAIN ROUTE WITH WORKS	0.0259
'DIVERSION'	0.0087
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$79,619
CONGESTED HOURS PER DAY*	5

*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	OFF	1063	0	0.00	0	70.2	70.2	70.2
1-2 AM	737	0.0	OFF	737	0	0.00	0	70.2	70.2	70.2
2-3 AM	760	0.0	OFF	760	0	0.00	0	70.2	70.2	70.2
3-4 AM	802	0.0	OFF	802	0	0.00	0	70.2	70.2	70.2
4-5 AM	1532	0.0	OFF	1532	0	0.00	0	70.1	70.1	70.1
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	2999	3895	631	11.25+	647	61.2	12.2	36.9
11AM-NOON	4820	0.0	3000	3058	1762	17.61+	952	59.2	9.9	36.9
NOON-1PM	5312	0.0	3000	3000	2312	17.56+	961	55.9	9.9	36.9
1-2 PM	5572	0.0	3000	3000	2572	17.43+	961	54.1	9.9	36.9
2-3 PM	6042	0.0	3000	3000	3041	17.19+	961	50.9	9.9	36.9
3-4 PM	6499	0.0	OFF	6499	0	11.85	1201	47.8	8.4	8.4
4-5 PM	6547	0.0	OFF	6547	0	17.06	1724	47.4	6.1	6.1
5-6 PM	6630	0.0	OFF	6630	0	22.91	2312	46.9	4.7	4.7
6-7 PM	5167	0.0	OFF	5167	0	22.35	2211	56.9	4.9	4.9
7-8 PM	4084	0.0	OFF	4084	0	8.84	840	64.3	11.2	11.2
8-9 PM	3474	0.0	OFF	3474	0	0.00	0	67.8	67.8	67.8
9-10 PM	3474	0.0	OFF	3474	0	0.00	0	67.8	67.8	67.8
10-11 PM	3457	0.0	OFF	3457	0	0.00	0	67.8	67.8	67.8
11PM-MID	2502	0.0	OFF	2502	0	0.00	0	68.9	68.9	68.9

"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	0.0
(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	0
(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	0.0255
'DIVERSION'	0.0076

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$119,202
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

