

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE 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	1499	1591	3582	17.19+	443	56.8	7.4	38.9
11AM-NOON	5288	0.0	1499	1931	3357	15.81+	407	56.0	7.7	33.0
NOON-1PM	5478	0.0	1500	1500	3978	16.46+	420	54.7	7.5	33.5
1-2 PM	5776	0.0	1500	1500	4276	16.36+	420	52.7	7.5	33.5
2-3 PM	6004	0.0	1500	1500	4504	16.28+	420	51.2	7.5	33.5
3-4 PM	6072	0.0	OFF	6072	0	5.56	558	50.7	15.2	15.2
4-5 PM	5579	0.0	OFF	5579	0	3.97	384	54.0	19.4	19.4
5-6 PM	5827	0.0	OFF	5827	0	0.93	87	52.4	37.3	37.3
6-7 PM	5537	0.0	OFF	5537	0	0.00	0	54.3	54.3	54.3
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

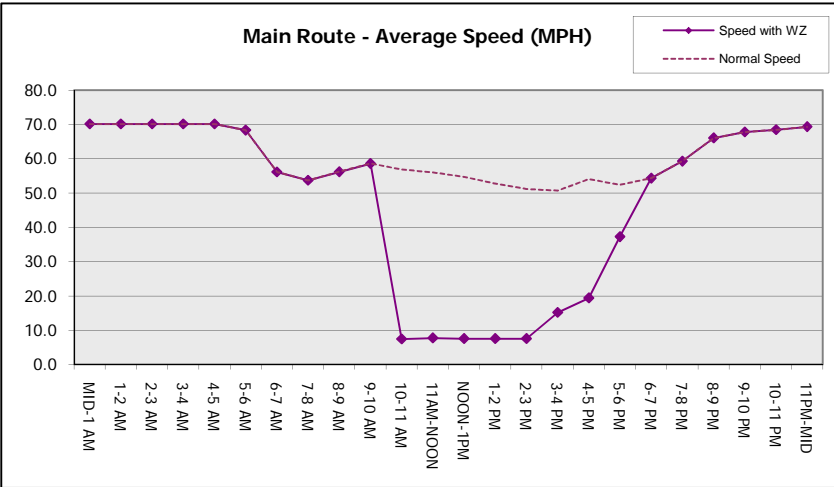
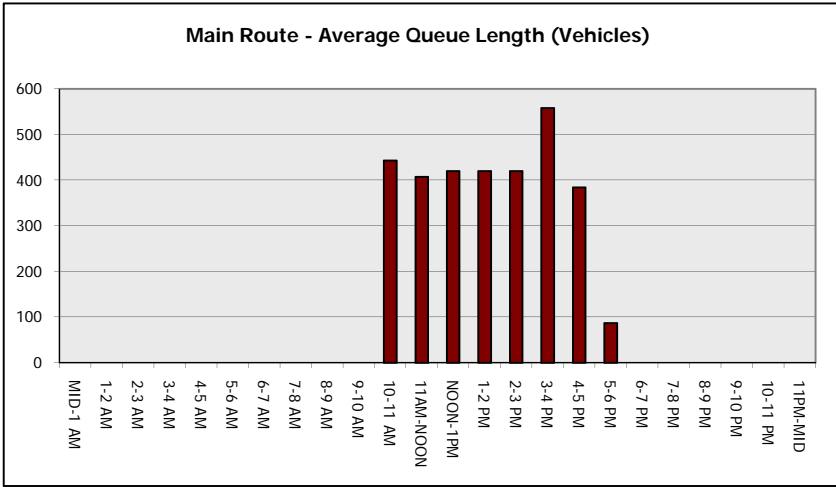
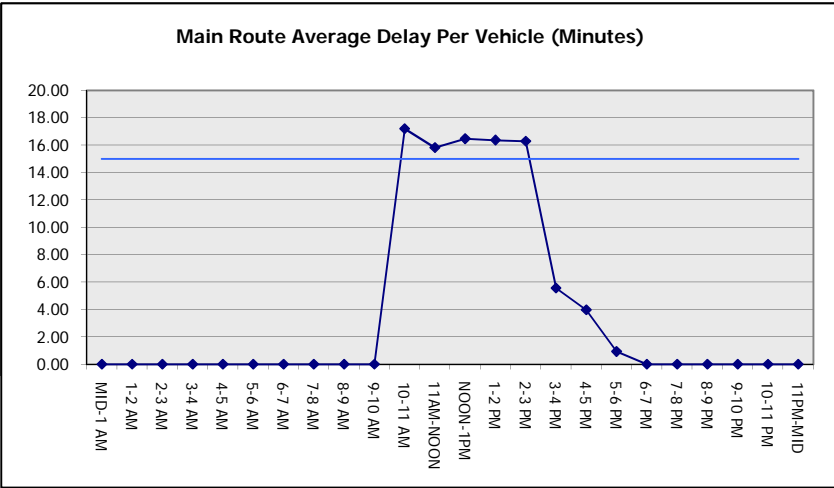
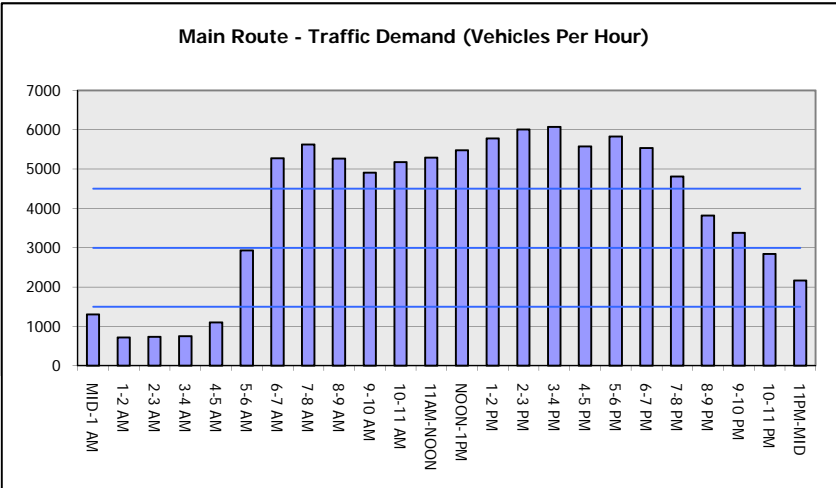
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0307
MAIN ROUTE WITH WORKS	0.0239
'DIVERSION'	0.0145
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$76,862
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	1499	1580	2946	17.07+	435	61.2	7.5	39.0
11AM-NOON	4820	0.0	1499	1991	2829	15.66+	405	59.2	7.8	35.4
NOON-1PM	5312	0.0	1499	1488	3823	16.34+	419	55.9	7.6	36.5
1-2 PM	5572	0.0	1500	1500	4072	16.30+	420	54.1	7.6	36.0
2-3 PM	6042	0.0	1500	1500	4542	16.14+	420	50.9	7.6	36.0
3-4 PM	6499	0.0	OFF	6499	0	7.92	808	47.8	11.5	11.5
4-5 PM	6547	0.0	OFF	6547	0	13.13	1331	47.4	7.6	7.6
5-6 PM	6630	0.0	OFF	6630	0	18.98	1919	46.9	5.6	5.6
6-7 PM	5167	0.0	OFF	5167	0	18.42	1818	56.9	5.8	5.8
7-8 PM	4084	0.0	OFF	4084	0	5.45	512	64.3	16.4	16.4
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 (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	0.0235
'DIVERSION'	0.0134

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$120,384
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

