

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	1406	0.0	1500	1406	0	11.23	269	70.2	9.6	32.5	
1-2 AM	794	0.0	1500	794	0	1.02	34	70.2	43.9	45.5	
2-3 AM	544	0.0	1500	544	0	0.44	0	70.2	55.9	46.7	
3-4 AM	395	0.0	1500	395	0	0.42	0	70.2	56.4	47.4	
4-5 AM	433	0.0	1500	433	0	0.42	0	70.2	56.3	47.2	
5-6 AM	692	0.0	1500	692	0	0.46	0	70.2	55.4	46.1	
6-7 AM	1095	0.0	1500	1095	0	0.51	0	70.2	54.2	44.4	
7-8 AM	1350	0.0	1499	1350	0	0.80	0	70.2	47.7	36.6	
8-9 AM	2027	0.0	1499	2027	0	6.84+	212	69.5	14.7	32.5	
9-10 AM	2996	0.0	OFF	2996	0	0.48	46	68.3	53.7	53.7	
10-11 AM	3891	0.0	OFF	3891	0	0.00	0	65.6	65.6	65.6	
11AM-NOON	4179	0.0	OFF	4179	0	0.00	0	63.6	63.6	63.6	
NOON-1PM	4534	0.0	OFF	4534	0	0.00	0	61.2	61.2	61.2	
1-2 PM	4650	0.0	OFF	4650	0	0.00	0	60.4	60.4	60.4	
2-3 PM	4647	0.0	OFF	4647	0	0.00	0	60.4	60.4	60.4	
3-4 PM	4747	0.0	OFF	4747	0	0.00	0	59.7	59.7	59.7	
4-5 PM	4790	0.0	OFF	4790	0	0.00	0	59.4	59.4	59.4	
5-6 PM	4262	0.0	OFF	4262	0	0.00	0	63.0	63.0	63.0	
6-7 PM	4177	0.0	OFF	4177	0	0.00	0	63.6	63.6	63.6	
7-8 PM	3709	0.0	1499	1574	2135	17.09+	430	66.8	7.5	39.0	
8-9 PM	3195	0.0	1499	1700	1496	14.95+	390	68.1	8.3	37.8	
9-10 PM	2884	0.0	1499	1538	1347	16.72+	416	68.4	7.6	36.2	
10-11 PM	2171	0.0	1500	1558	613	16.56+	407	69.4	7.6	32.5	
11PM-MID	1427	0.0	1500	1427	0	14.61	356	70.2	8.1	32.4	

"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	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

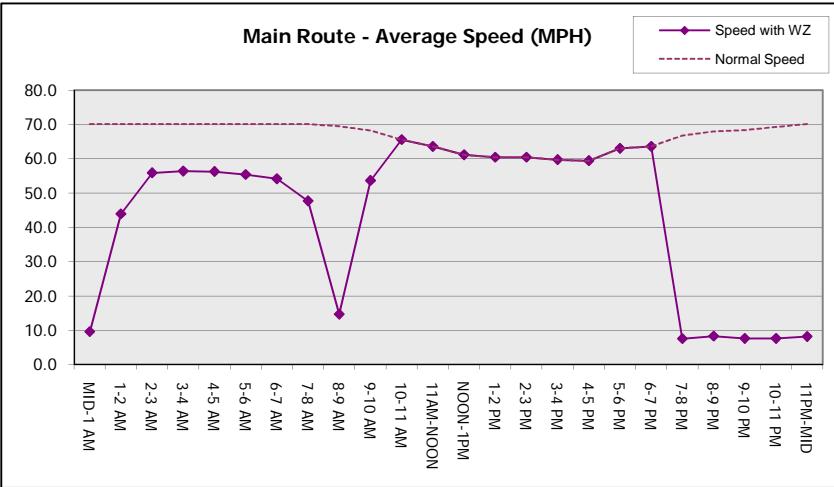
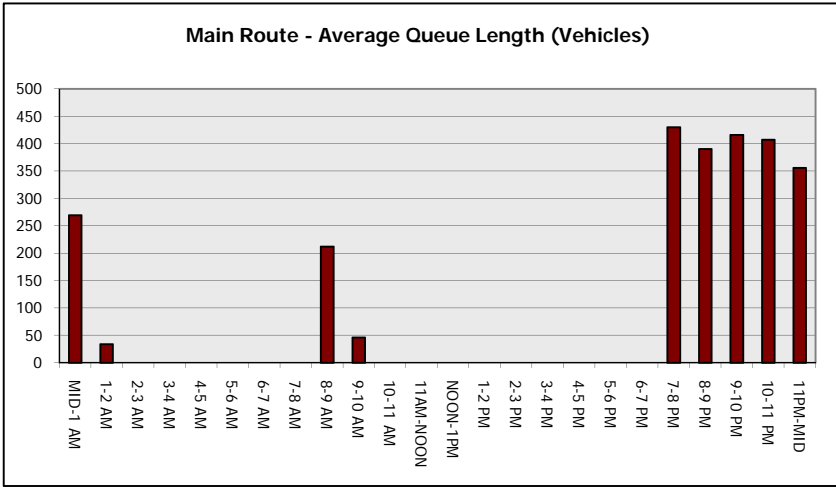
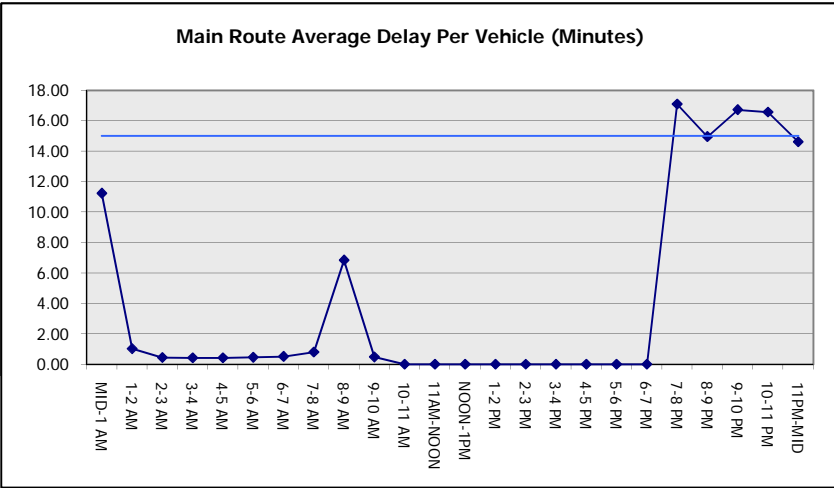
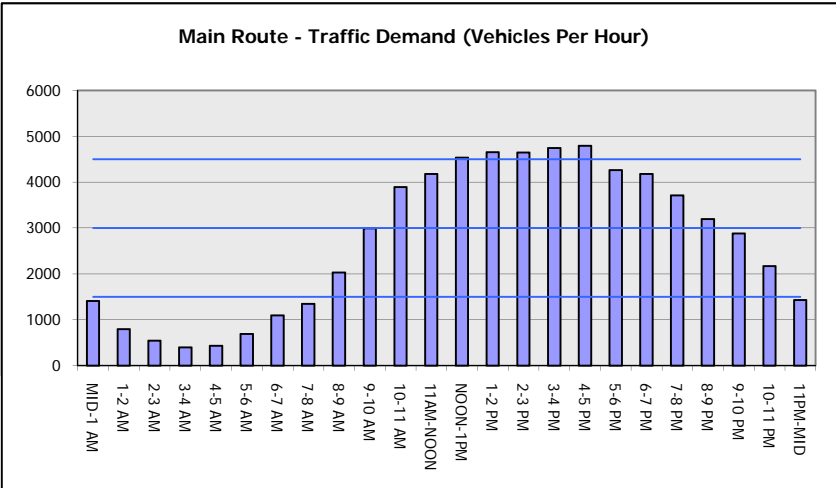
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0207
MAIN ROUTE WITH WORKS	0.0178
'DIVERSION'	0.0041
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$63,046
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY)	AUGUST
NIGHTTIME 2 LANE CLOSURE	Analyzed for 2009
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	1766	0.0	1500	1629	137	15.82+	389	69.9	7.8	32.4
1-2 AM	1152	0.0	1499	1152	0	10.37+	277	70.2	10.6	35.2
2-3 AM	908	0.0	1500	908	0	0.61	5	70.2	51.7	45.1
3-4 AM	619	0.0	1500	619	0	0.45	0	70.2	55.6	46.4
4-5 AM	700	0.0	1500	700	0	0.46	0	70.2	55.4	46.0
5-6 AM	1082	0.0	1500	1082	0	0.50	0	70.2	54.2	44.5
6-7 AM	1315	0.0	1499	1315	0	0.76	0	70.2	48.5	37.4
7-8 AM	1613	0.0	1499	1613	0	1.80	29	70.0	34.2	32.5
8-9 AM	2303	0.0	1500	1786	516	13.19+	336	69.2	8.8	32.4
9-10 AM	3459	0.0	OFF	3459	0	0.38	32	67.8	55.9	55.9
10-11 AM	4183	0.0	OFF	4183	0	0.00	0	63.6	63.6	63.6
11AM-NOON	4892	0.0	OFF	4892	0	0.00	0	58.7	58.7	58.7
NOON-1PM	5619	0.0	OFF	5619	0	0.00	0	53.8	53.8	53.8
1-2 PM	5828	0.0	OFF	5828	0	0.00	0	52.4	52.4	52.4
2-3 PM	6055	0.0	OFF	6055	0	0.00	0	50.8	50.8	50.8
3-4 PM	5988	0.0	OFF	5988	0	0.00	0	51.2	51.2	51.2
4-5 PM	5806	0.0	OFF	5806	0	0.00	0	52.5	52.5	52.5
5-6 PM	5345	0.0	OFF	5345	0	0.00	0	55.6	55.6	55.6
6-7 PM	4907	0.0	OFF	4907	0	0.00	0	58.6	58.6	58.6
7-8 PM	3942	0.0	1499	1574	2367	17.05+	430	65.2	7.5	39.0
8-9 PM	3431	0.0	1499	1741	1690	15.06+	390	67.8	8.2	37.6
9-10 PM	2925	0.0	1499	1535	1390	16.85+	416	68.4	7.5	33.2
10-11 PM	2057	0.0	1500	1531	526	16.62+	408	69.5	7.6	32.5
11PM-MID	1414	0.0	1500	1414	0	14.27	347	70.2	8.3	32.4

"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	0.0246
MAIN ROUTE WITH WORKS	0.0213
'DIVERSION'	0.0049

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$75,394
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

