

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

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	OFF	1406	0	0.00	0	70.2	70.2	70.2	
1-2 AM	794	0.0	OFF	794	0	0.00	0	70.2	70.2	70.2	
2-3 AM	544	0.0	OFF	544	0	0.00	0	70.2	70.2	70.2	
3-4 AM	395	0.0	OFF	395	0	0.00	0	70.2	70.2	70.2	
4-5 AM	433	0.0	OFF	433	0	0.00	0	70.2	70.2	70.2	
5-6 AM	692	0.0	OFF	692	0	0.00	0	70.2	70.2	70.2	
6-7 AM	1095	0.0	OFF	1095	0	0.00	0	70.2	70.2	70.2	
7-8 AM	1350	0.0	OFF	1350	0	0.00	0	70.2	70.2	70.2	
8-9 AM	2027	0.0	OFF	2027	0	0.00	0	69.5	69.5	69.5	
9-10 AM	2996	0.0	1499	1847	1149	14.26+	356	68.3	8.3	37.3	
10-11 AM	3891	0.0	1499	1503	2388	16.91+	420	65.6	7.5	32.9	
11AM-NOON	4179	0.0	1500	1500	2679	16.85+	420	63.6	7.5	32.9	
NOON-1PM	4534	0.0	1500	1500	3034	16.76+	420	61.2	7.5	32.9	
1-2 PM	4650	0.0	1500	1500	3150	16.73+	420	60.4	7.5	32.9	
2-3 PM	4647	0.0	1500	1500	3147	16.73+	420	60.4	7.5	32.9	
3-4 PM	4747	0.0	1500	1500	3247	16.71+	420	59.7	7.5	32.9	
4-5 PM	4790	0.0	1500	1500	3290	16.69+	420	59.4	7.5	32.9	
5-6 PM	4262	0.0	1500	1500	2762	16.83+	420	63.0	7.5	32.9	
6-7 PM	4177	0.0	1500	1500	2677	16.85+	420	63.6	7.5	32.9	
7-8 PM	3709	0.0	OFF	3709	0	0.33	26	66.8	56.3	56.3	
8-9 PM	3195	0.0	OFF	3195	0	0.00	0	68.1	68.1	68.1	
9-10 PM	2884	0.0	OFF	2884	0	0.00	0	68.4	68.4	68.4	
10-11 PM	2171	0.0	OFF	2171	0	0.00	0	69.4	69.4	69.4	
11PM-MID	1427	0.0	OFF	1427	0	0.00	0	70.2	70.2	70.2	

"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

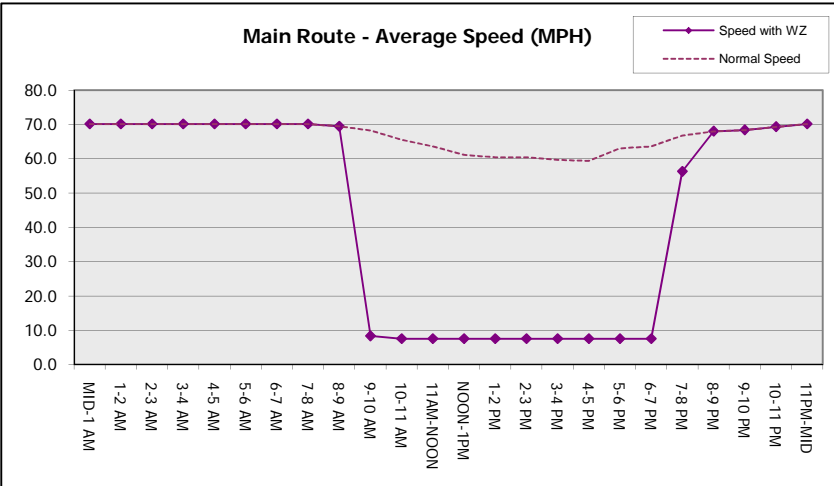
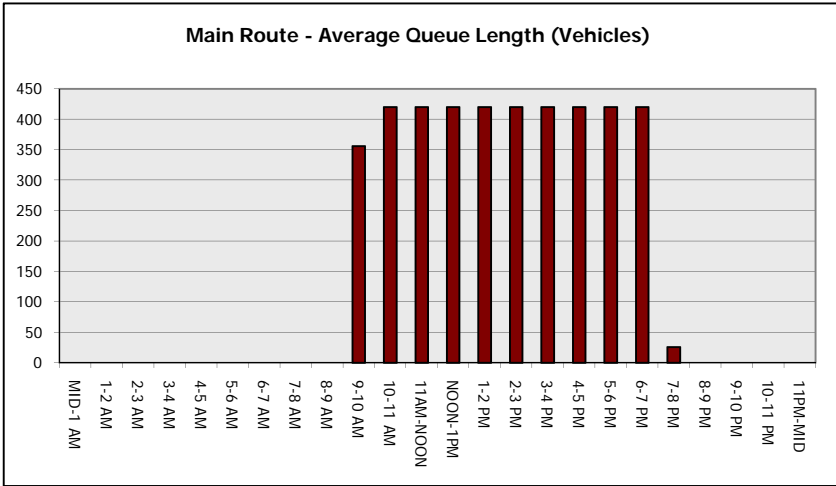
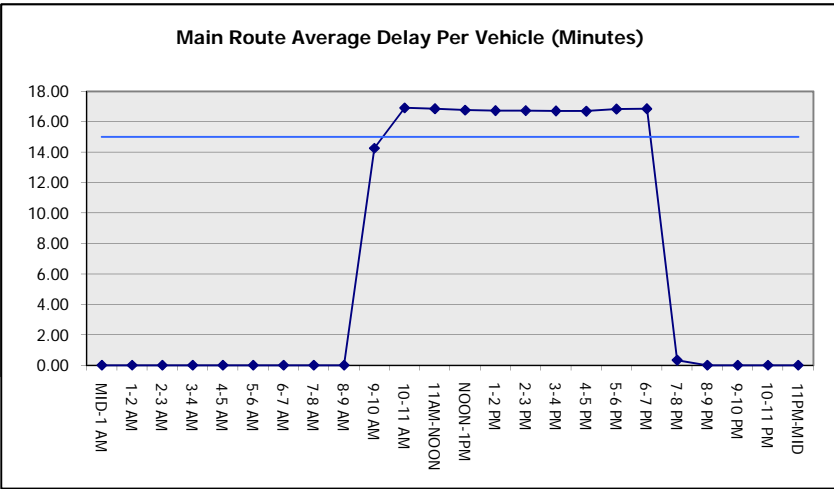
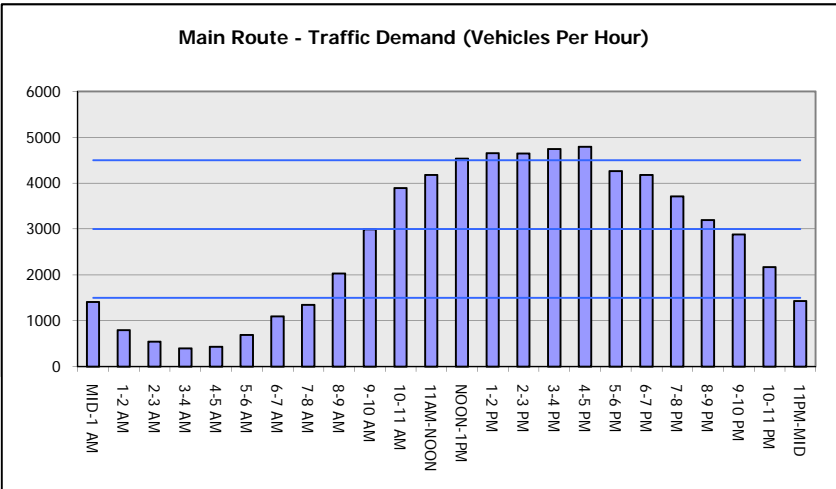
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0207
MAIN ROUTE WITH WORKS	0.0109
'DIVERSION'	0.0203
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$197,661
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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

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	OFF	1766	0	0.00	0	69.9	69.9	69.9
1-2 AM	1152	0.0	OFF	1152	0	0.00	0	70.2	70.2	70.2
2-3 AM	908	0.0	OFF	908	0	0.00	0	70.2	70.2	70.2
3-4 AM	619	0.0	OFF	619	0	0.00	0	70.2	70.2	70.2
4-5 AM	700	0.0	OFF	700	0	0.00	0	70.2	70.2	70.2
5-6 AM	1082	0.0	OFF	1082	0	0.00	0	70.2	70.2	70.2
6-7 AM	1315	0.0	OFF	1315	0	0.00	0	70.2	70.2	70.2
7-8 AM	1613	0.0	OFF	1613	0	0.00	0	70.0	70.0	70.0
8-9 AM	2303	0.0	OFF	2303	0	0.00	0	69.2	69.2	69.2
9-10 AM	3459	0.0	1499	1572	1886	17.07+	429	67.8	7.5	39.0
10-11 AM	4183	0.0	1499	1833	2351	15.24+	396	63.6	8.1	37.6
11AM-NOON	4892	0.0	1499	1500	3392	16.69+	420	58.7	7.5	32.5
NOON-1PM	5619	0.0	1500	1500	4119	16.47+	420	53.8	7.5	32.5
1-2 PM	5828	0.0	1500	1500	4328	16.40+	420	52.4	7.5	32.5
2-3 PM	6055	0.0	1500	1500	4555	16.31+	420	50.8	7.5	32.5
3-4 PM	5988	0.0	1500	1500	4488	16.34+	420	51.2	7.5	32.5
4-5 PM	5806	0.0	1500	1500	4306	16.40+	420	52.5	7.5	32.5
5-6 PM	5345	0.0	1500	1500	3845	16.56+	420	55.6	7.5	32.5
6-7 PM	4907	0.0	1500	1500	3407	16.69+	420	58.6	7.5	32.5
7-8 PM	3942	0.0	OFF	3942	0	0.48	39	65.2	51.7	51.7
8-9 PM	3431	0.0	OFF	3431	0	0.00	0	67.8	67.8	67.8
9-10 PM	2925	0.0	OFF	2925	0	0.00	0	68.4	68.4	68.4
10-11 PM	2057	0.0	OFF	2057	0	0.00	0	69.5	69.5	69.5
11PM-MID	1414	0.0	OFF	1414	0	0.00	0	70.2	70.2	70.2

"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	0.0119
'DIVERSION'	0.0270

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$237,473
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

