

<b>IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	3000	1406	0	0.36	0	70.2	58.0	49.7	
1-2 AM	794	0.0	3000	794	0	0.36	0	70.2	58.0	49.7	
2-3 AM	544	0.0	3000	544	0	0.36	0	70.2	58.0	49.7	
3-4 AM	395	0.0	3000	395	0	0.36	0	70.2	58.0	49.7	
4-5 AM	433	0.0	3000	433	0	0.36	0	70.2	58.0	49.7	
5-6 AM	692	0.0	3000	692	0	0.36	0	70.2	58.0	49.7	
6-7 AM	1095	0.0	3000	1095	0	0.36	0	70.2	58.0	49.7	
7-8 AM	1350	0.0	3000	1350	0	0.36	0	70.2	58.0	49.7	
8-9 AM	2027	0.0	2999	2027	0	0.35	0	69.5	57.8	49.7	
9-10 AM	2996	0.0	OFF	2996	0	0.00	0	68.3	68.3	68.3	
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	2999	3709	0	6.91	385	66.8	15.6	36.9	
8-9 PM	3195	0.0	2999	3171	24	15.81+	829	68.1	10.4	36.9	
9-10 PM	2884	0.0	3000	2879	6	16.22+	850	68.4	10.3	36.9	
10-11 PM	2171	0.0	2999	2171	0	5.37	392	69.4	19.4	43.2	
11PM-MID	1427	0.0	3000	1427	0	0.36	0	70.2	58.0	49.7	

"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

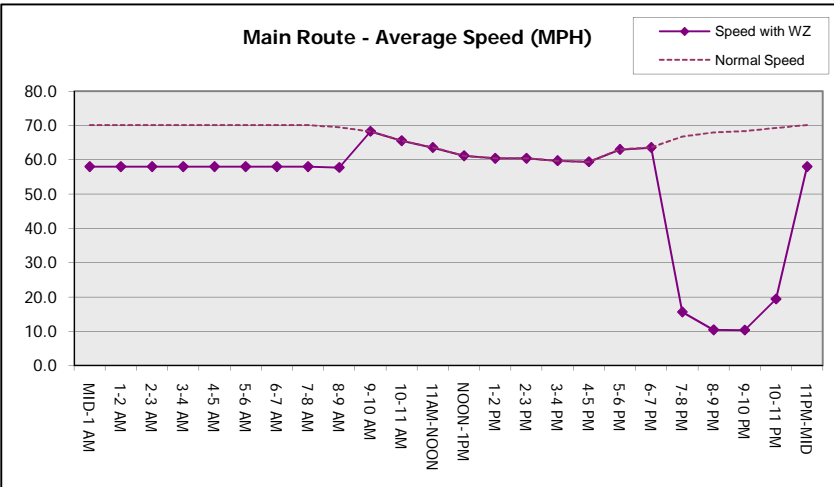
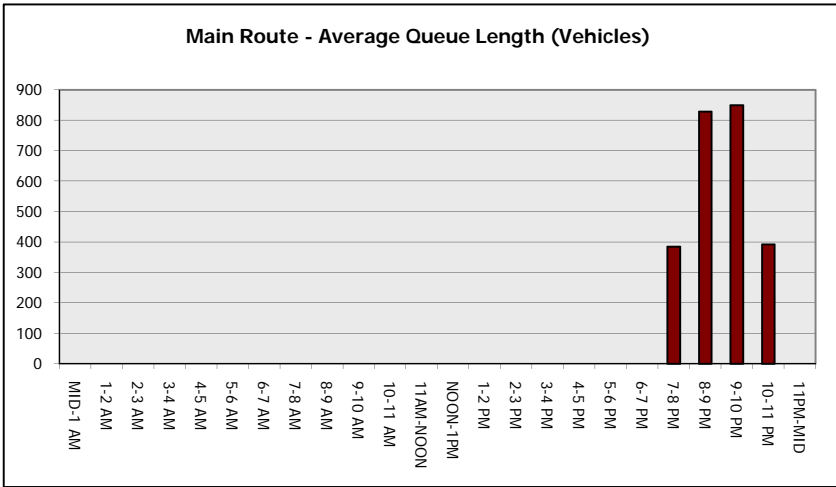
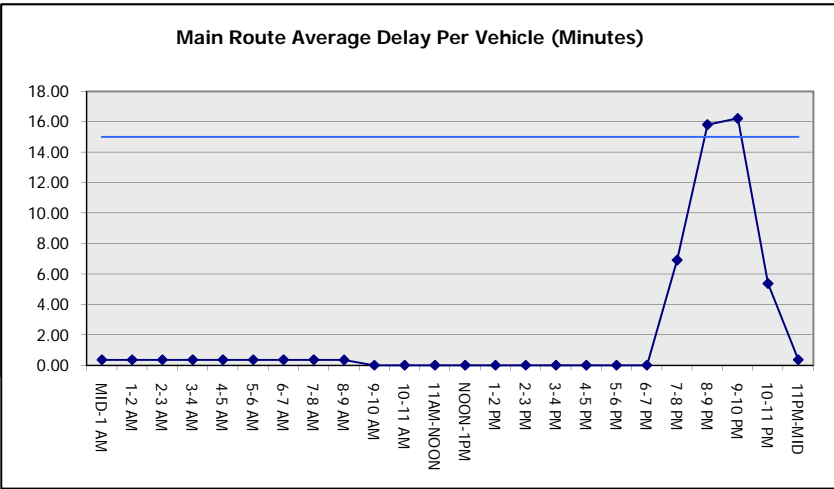
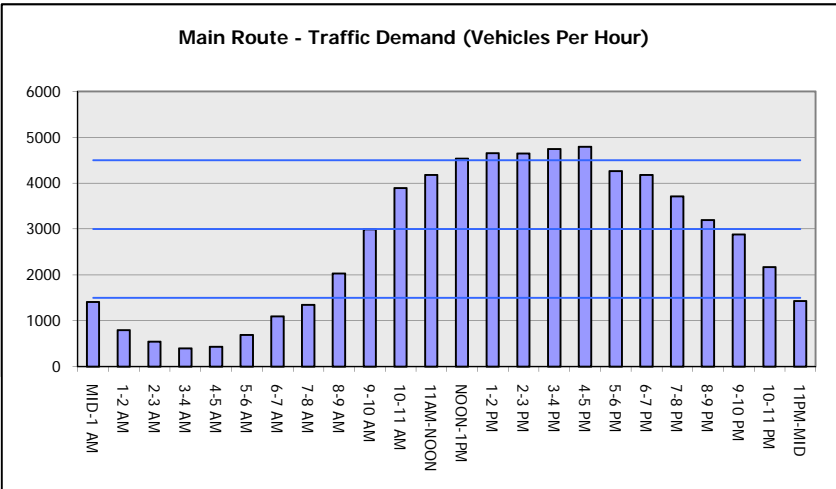
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0207
MAIN ROUTE WITH WORKS	0.0192
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,402
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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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	3000	1766	0	0.36	0	69.9	57.9	49.7
1-2 AM	1152	0.0	3000	1152	0	0.36	0	70.2	58.0	49.7
2-3 AM	908	0.0	3000	908	0	0.36	0	70.2	58.0	49.7
3-4 AM	619	0.0	3000	619	0	0.36	0	70.2	58.0	49.7
4-5 AM	700	0.0	3000	700	0	0.36	0	70.2	58.0	49.7
5-6 AM	1082	0.0	3000	1082	0	0.36	0	70.2	58.0	49.7
6-7 AM	1315	0.0	3000	1315	0	0.36	0	70.2	58.0	49.7
7-8 AM	1613	0.0	3000	1613	0	0.36	0	70.0	57.9	49.7
8-9 AM	2303	0.0	2999	2303	0	0.40	0	69.2	56.1	47.6
9-10 AM	3459	0.0	OFF	3459	0	0.00	0	67.8	67.8	67.8
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	2999	3942	0	9.07+	516	65.2	13.5	36.9
8-9 PM	3431	0.0	2999	2964	467	16.83+	884	67.8	10.1	36.9
9-10 PM	2925	0.0	2999	2852	72	16.20+	849	68.4	10.3	36.9
10-11 PM	2057	0.0	2999	2057	0	3.97	348	69.5	23.6	44.0
11PM-MID	1414	0.0	3000	1414	0	0.36	0	70.2	58.0	49.7

"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	0.0246
MAIN ROUTE WITH WORKS	0.0228
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$42,725
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

