

<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>MAY</b>
	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	1151	0.0	1499	1151	0	9.68	265	70.2	11.1	36.1	
1-2 AM	684	0.0	1500	684	0	0.50	1	70.2	54.3	46.1	
2-3 AM	660	0.0	1500	660	0	0.45	0	70.2	55.5	46.2	
3-4 AM	736	0.0	1500	736	0	0.46	0	70.2	55.3	45.9	
4-5 AM	1080	0.0	1499	1080	0	0.63	0	70.2	51.3	40.9	
5-6 AM	2908	0.0	OFF	2908	0	0.00	0	68.4	68.4	68.4	
6-7 AM	5349	0.0	OFF	5349	0	0.00	0	55.6	55.6	55.6	
7-8 AM	6125	0.0	OFF	6125	0	0.00	0	50.3	50.3	50.3	
8-9 AM	5219	0.0	OFF	5219	0	0.00	0	56.5	56.5	56.5	
9-10 AM	4457	0.0	OFF	4457	0	0.00	0	61.7	61.7	61.7	
10-11 AM	4334	0.0	OFF	4334	0	0.00	0	62.5	62.5	62.5	
11AM-NOON	4842	0.0	OFF	4842	0	0.00	0	59.1	59.1	59.1	
NOON-1PM	5008	0.0	OFF	5008	0	0.00	0	57.9	57.9	57.9	
1-2 PM	5221	0.0	OFF	5221	0	0.00	0	56.5	56.5	56.5	
2-3 PM	5759	0.0	OFF	5759	0	0.00	0	52.8	52.8	52.8	
3-4 PM	5989	0.0	OFF	5989	0	0.00	0	51.2	51.2	51.2	
4-5 PM	5462	0.0	OFF	5462	0	0.00	0	54.8	54.8	54.8	
5-6 PM	5327	0.0	OFF	5327	0	0.00	0	55.8	55.8	55.8	
6-7 PM	5142	0.0	OFF	5142	0	0.00	0	57.0	57.0	57.0	
7-8 PM	4397	0.0	1499	1583	2814	17.18+	437	62.1	7.5	38.9	
8-9 PM	3599	0.0	1499	1801	1798	15.24+	392	67.6	8.1	36.9	
9-10 PM	3426	0.0	1499	1505	1921	16.99+	419	67.8	7.5	32.5	
10-11 PM	2726	0.0	1500	1511	1215	16.80+	414	68.6	7.5	32.5	
11PM-MID	1959	0.0	1500	1501	458	16.73+	411	69.6	7.6	32.5	

"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

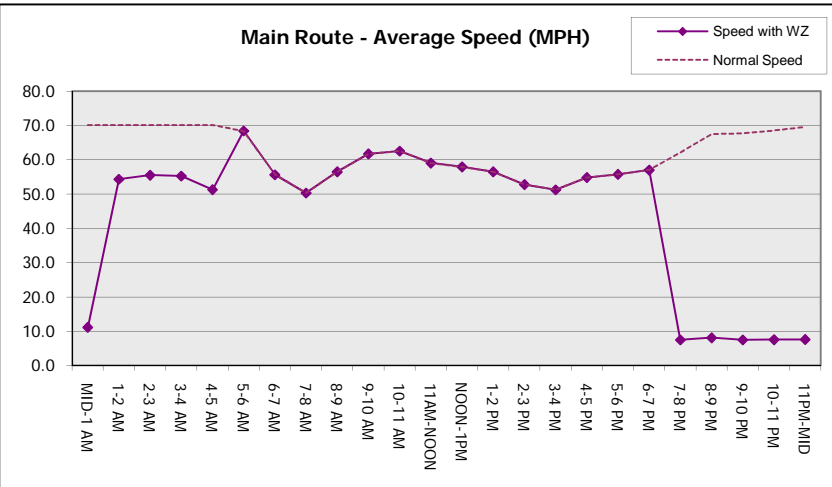
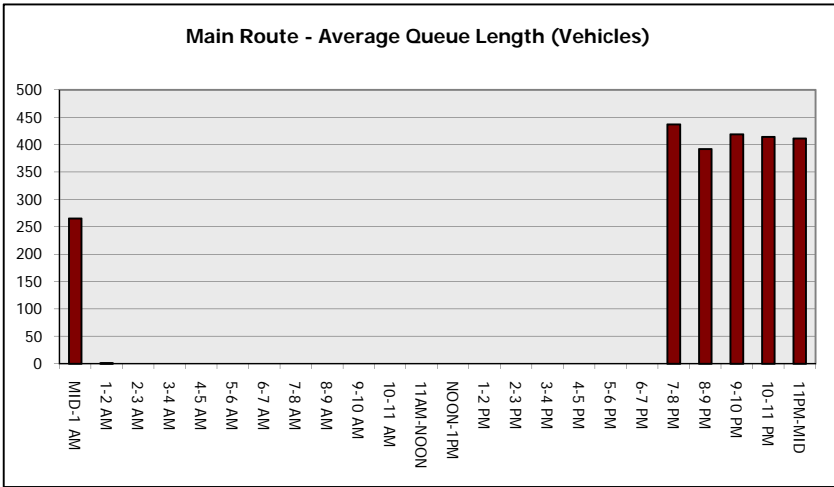
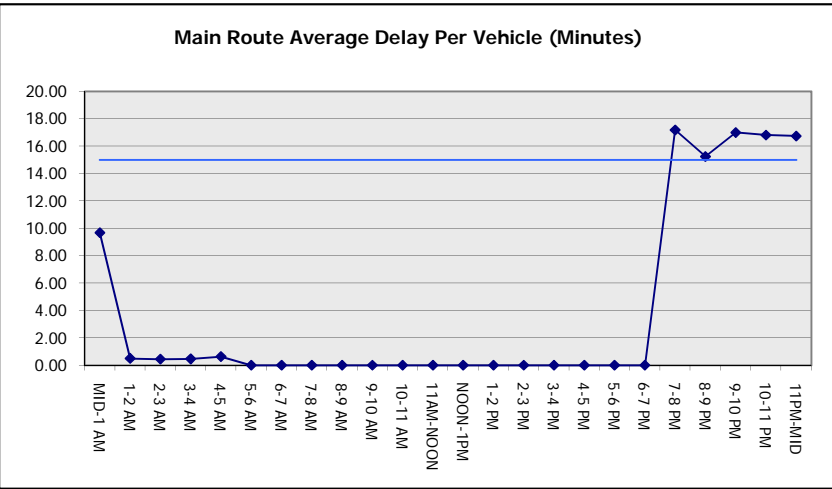
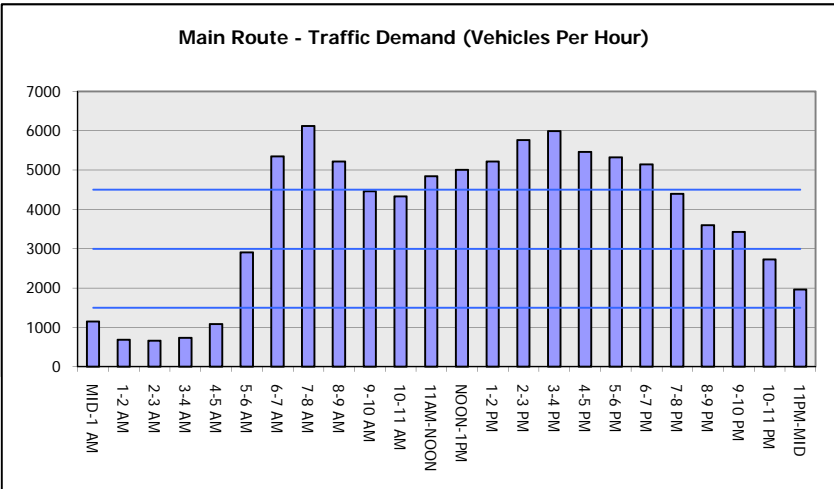
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0292
MAIN ROUTE WITH WORKS	0.0257
'DIVERSION'	0.0061
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$65,970
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY 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>MAY</b>
	Analyzed for 2009 Construction Season

**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	1039	0.0	1499	1039	0	5.23	208	70.2	17.8	38.6
1-2 AM	693	0.0	1500	693	0	0.46	0	70.2	55.4	46.1
2-3 AM	700	0.0	1500	700	0	0.46	0	70.2	55.4	46.0
3-4 AM	835	0.0	1500	835	0	0.47	0	70.2	55.0	45.5
4-5 AM	1492	0.0	1499	1492	0	1.55	36	70.2	36.8	36.9
5-6 AM	3243	0.0	OFF	3243	0	0.04	3	68.0	66.4	66.4
6-7 AM	4851	0.0	OFF	4851	0	0.00	0	59.0	59.0	59.0
7-8 AM	4821	0.0	OFF	4821	0	0.00	0	59.2	59.2	59.2
8-9 AM	4511	0.0	OFF	4511	0	0.00	0	61.4	61.4	61.4
9-10 AM	4170	0.0	OFF	4170	0	0.00	0	63.7	63.7	63.7
10-11 AM	4124	0.0	OFF	4124	0	0.00	0	64.0	64.0	64.0
11AM-NOON	4648	0.0	OFF	4648	0	0.00	0	60.4	60.4	60.4
NOON-1PM	5009	0.0	OFF	5009	0	0.00	0	57.9	57.9	57.9
1-2 PM	5369	0.0	OFF	5369	0	0.00	0	55.5	55.5	55.5
2-3 PM	5772	0.0	OFF	5772	0	0.00	0	52.7	52.7	52.7
3-4 PM	6263	0.0	OFF	6263	0	0.00	0	49.4	49.4	49.4
4-5 PM	6725	0.0	OFF	6725	0	0.00	0	46.2	46.2	46.2
5-6 PM	6368	0.0	OFF	6368	0	0.00	0	48.7	48.7	48.7
6-7 PM	5063	0.0	OFF	5063	0	0.00	0	57.6	57.6	57.6
7-8 PM	4021	0.0	1499	1575	2446	17.04+	431	64.7	7.5	39.0
8-9 PM	3231	0.0	1499	1709	1522	14.97+	390	68.0	8.2	37.7
9-10 PM	3096	0.0	1499	1536	1560	16.75+	417	68.2	7.6	35.5
10-11 PM	2895	0.0	1500	1535	1360	16.86+	416	68.4	7.5	33.0
11PM-MID	2029	0.0	1500	1538	491	16.58+	407	69.5	7.6	32.5

"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	0.0290
MAIN ROUTE WITH WORKS	0.0258
'DIVERSION'	0.0054

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,289
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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 Construction Season

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

