

<b>IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE 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	10.82+	291	70.2	10.2	35.8	
1-2 AM	684	0.0	1500	684	0	0.54	3	70.2	53.3	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	1499	1937	971	12.45+	319	68.4	9.1	32.5	
6-7 AM	5349	0.0	1500	1500	3849	16.56+	420	55.6	7.5	32.5	
7-8 AM	6125	0.0	1500	1500	4625	16.29+	420	50.3	7.5	32.5	
8-9 AM	5219	0.0	1500	1500	3719	16.60+	420	56.5	7.5	32.5	
9-10 AM	4457	0.0	1500	1500	2957	16.81+	420	61.7	7.5	32.5	
10-11 AM	4334	0.0	1500	1500	2834	16.84+	420	62.5	7.5	32.5	
11AM-NOON	4842	0.0	1500	1500	3342	16.71+	420	59.1	7.5	32.5	
NOON-1PM	5008	0.0	1500	1500	3508	16.66+	420	57.9	7.5	32.5	
1-2 PM	5221	0.0	1500	1500	3721	16.60+	420	56.5	7.5	32.5	
2-3 PM	5759	0.0	1500	1500	4259	16.42+	420	52.8	7.5	32.5	
3-4 PM	5989	0.0	1500	1500	4489	16.34+	420	51.2	7.5	32.5	
4-5 PM	5462	0.0	1500	1500	3962	16.52+	420	54.8	7.5	32.5	
5-6 PM	5327	0.0	1500	1500	3827	16.56+	420	55.8	7.5	32.5	
6-7 PM	5142	0.0	1500	1500	3642	16.62+	420	57.0	7.5	32.5	
7-8 PM	4397	0.0	1500	1500	2897	16.83+	420	62.1	7.5	32.5	
8-9 PM	3599	0.0	1500	1500	2099	17.01+	420	67.6	7.5	32.5	
9-10 PM	3426	0.0	1500	1498	1928	17.01+	420	67.8	7.5	32.5	
10-11 PM	2726	0.0	1499	1492	1234	16.81+	414	68.6	7.5	32.5	
11PM-MID	1959	0.0	1500	1499	460	16.73+	411	69.6	7.6	32.5	

+ 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

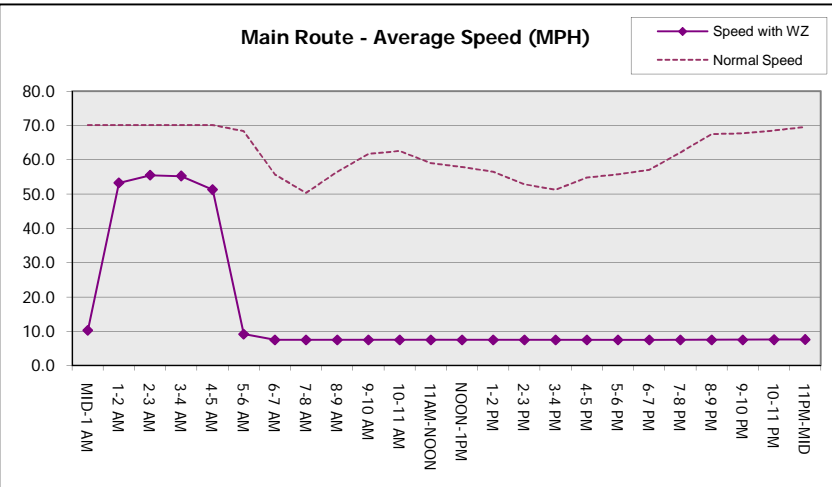
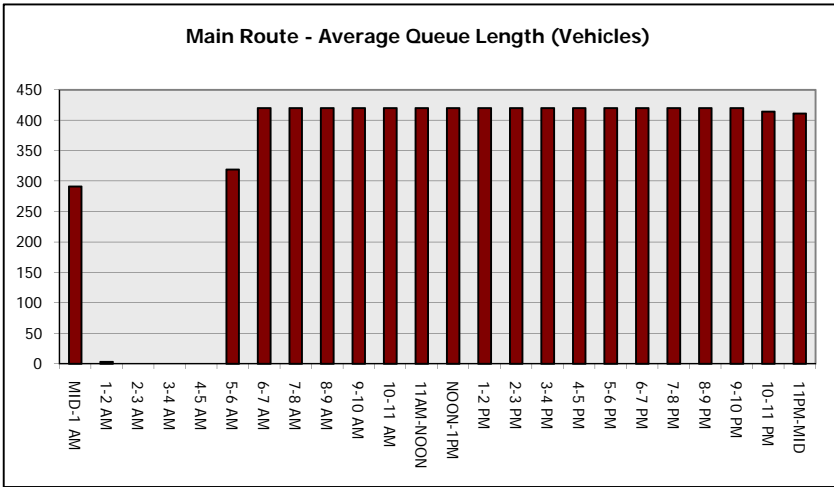
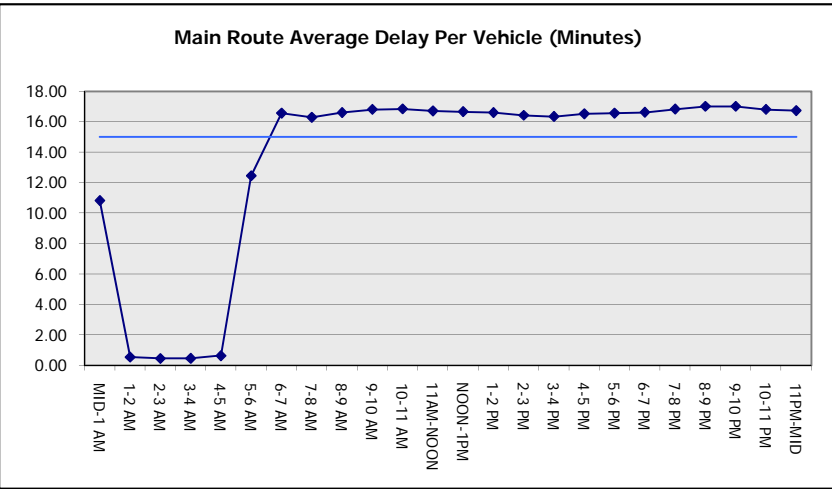
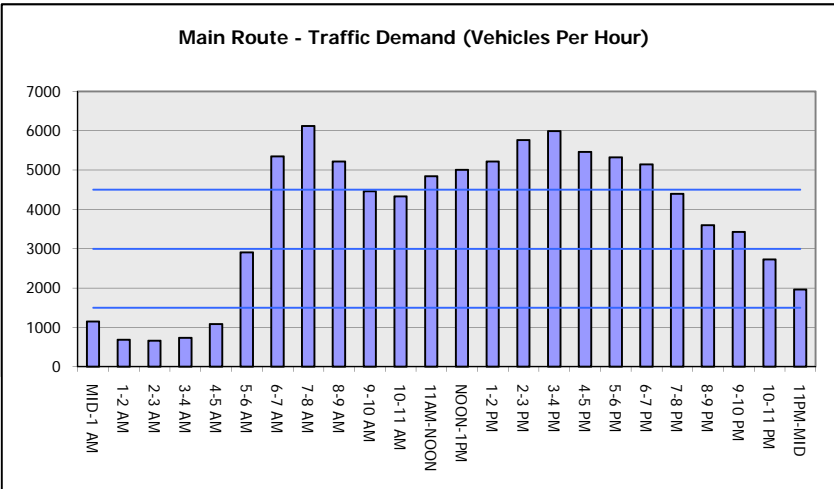
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0292
MAIN ROUTE WITH WORKS	0.0084
'DIVERSION'	0.0430
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$324,003
CONGESTED HOURS PER DAY*	20

\*Delays Exceeding User-Specified Maximum

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**CONTINUOUS (24 HOUR) 2 LANE 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>CONTINUOUS (24 HOUR) 2 LANE 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	6.48	235	70.2	15.3	38.3	
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	1500	1884	1358	15.67+	395	68.0	7.9	33.8	
6-7 AM	4851	0.0	1499	1498	3352	16.62+	420	59.0	7.5	34.0	
7-8 AM	4821	0.0	1500	1500	3321	16.64+	420	59.2	7.5	33.9	
8-9 AM	4511	0.0	1499	1493	3018	16.70+	420	61.4	7.5	33.8	
9-10 AM	4170	0.0	1499	1486	2684	16.80+	419	63.7	7.5	33.2	
10-11 AM	4124	0.0	1499	1494	2630	16.87+	420	64.0	7.5	32.5	
11AM-NOON	4648	0.0	1499	1500	3148	16.76+	420	60.4	7.5	32.5	
NOON-1PM	5009	0.0	1500	1500	3509	16.66+	420	57.9	7.5	32.5	
1-2 PM	5369	0.0	1500	1500	3869	16.55+	420	55.5	7.5	32.5	
2-3 PM	5772	0.0	1500	1500	4272	16.42+	420	52.7	7.5	32.5	
3-4 PM	6263	0.0	1500	1500	4763	16.23+	420	49.4	7.5	32.5	
4-5 PM	6725	0.0	1500	1500	5225	16.03+	420	46.2	7.5	32.5	
5-6 PM	6368	0.0	1500	1500	4868	16.19+	420	48.7	7.5	32.5	
6-7 PM	5063	0.0	1500	1500	3563	16.64+	420	57.6	7.5	32.5	
7-8 PM	4021	0.0	1500	1491	2530	16.89+	419	64.7	7.5	32.5	
8-9 PM	3231	0.0	1499	1467	1764	16.91+	417	68.0	7.5	32.5	
9-10 PM	3096	0.0	1499	1478	1618	16.95+	418	68.2	7.5	32.5	
10-11 PM	2895	0.0	1499	1488	1407	16.87+	416	68.4	7.5	32.5	
11PM-MID	2029	0.0	1500	1499	530	16.73+	411	69.5	7.6	32.5	

+ 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	0.0085
'DIVERSION'	0.0424

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$320,349
CONGESTED HOURS PER DAY*	19

\*Delays Exceeding User-Specified Maximum

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 Construction Season

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

