

<b>IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 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**

SATURDAY 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	978	0.0	1500	978	0	0.71	35	70.2	38.4	43.5	
1-2 AM	620	0.0	1500	620	0	0.23	0	70.2	55.5	46.4	
2-3 AM	507	0.0	1500	507	0	0.22	0	70.2	55.9	46.9	
3-4 AM	424	0.0	1500	424	0	0.21	0	70.2	56.1	47.3	
4-5 AM	504	0.0	1500	504	0	0.22	0	70.2	55.9	46.9	
5-6 AM	917	0.0	1499	917	0	0.24	0	70.2	54.6	45.1	
6-7 AM	1474	0.0	1499	1474	0	0.80	13	70.2	36.3	34.5	
7-8 AM	1989	0.0	1500	1953	36	9.15+	260	69.6	7.6	32.4	
8-9 AM	2479	0.0	OFF	2479	0	0.37	36	68.9	48.3	48.3	
9-10 AM	1977	0.0	OFF	1977	0	0.00	0	69.6	69.6	69.6	
10-11 AM	2568	0.0	OFF	2568	0	0.00	0	68.9	68.9	68.9	
11AM-NOON	3521	0.0	OFF	3521	0	0.00	0	67.7	67.7	67.7	
NOON-1PM	3543	0.0	OFF	3543	0	0.00	0	67.6	67.6	67.6	
1-2 PM	3429	0.0	OFF	3429	0	0.00	0	67.8	67.8	67.8	
2-3 PM	3758	0.0	OFF	3758	0	0.00	0	66.5	66.5	66.5	
3-4 PM	3787	0.0	OFF	3787	0	0.00	0	66.3	66.3	66.3	
4-5 PM	3690	0.0	OFF	3690	0	0.00	0	66.9	66.9	66.9	
5-6 PM	3441	0.0	OFF	3441	0	0.00	0	67.8	67.8	67.8	
6-7 PM	3063	0.0	1499	1589	1475	17.20+	441	68.2	5.4	38.9	
7-8 PM	1925	0.0	1499	1803	122	12.23+	326	69.7	6.4	32.5	
8-9 PM	1782	0.0	1500	1503	278	16.55+	419	69.8	5.5	32.5	
9-10 PM	2074	0.0	1500	1503	571	16.57+	420	69.5	5.5	32.5	
10-11 PM	1742	0.0	1500	1504	238	16.54+	419	69.9	5.5	32.5	
11PM-MID	1275	0.0	1500	1275	0	12.22+	313	70.2	6.3	32.8	

"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

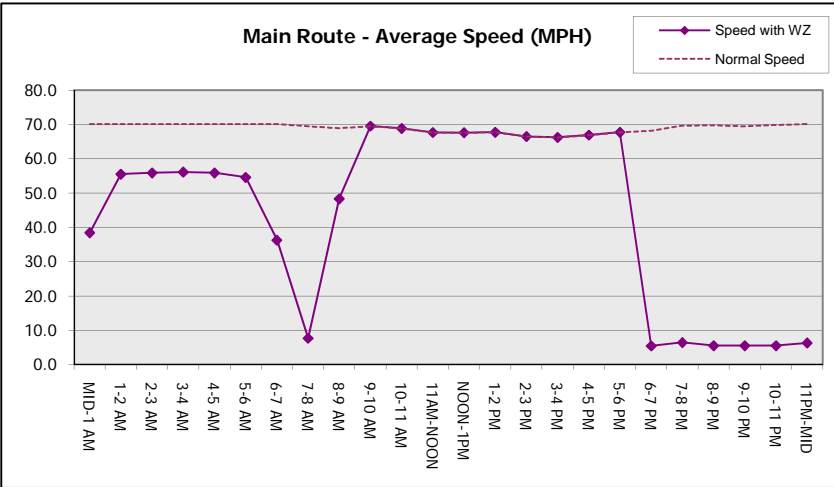
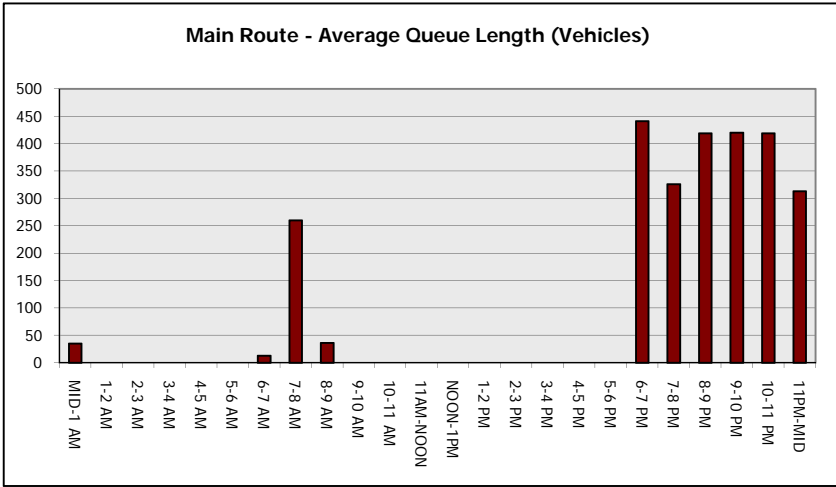
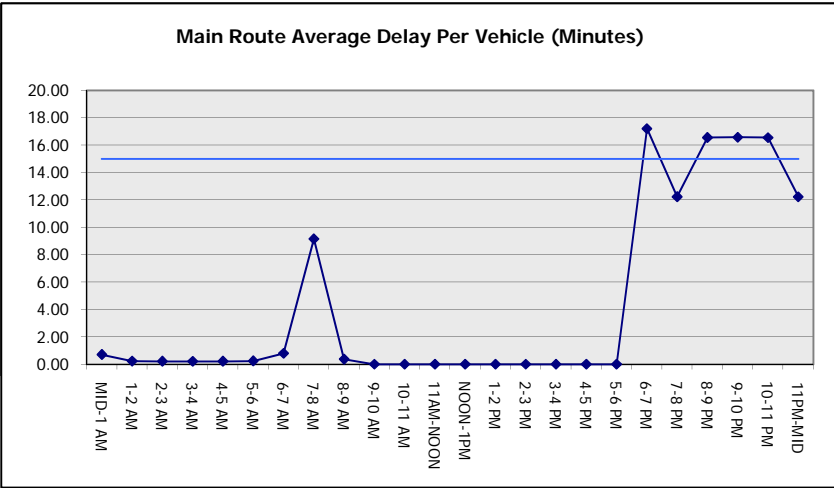
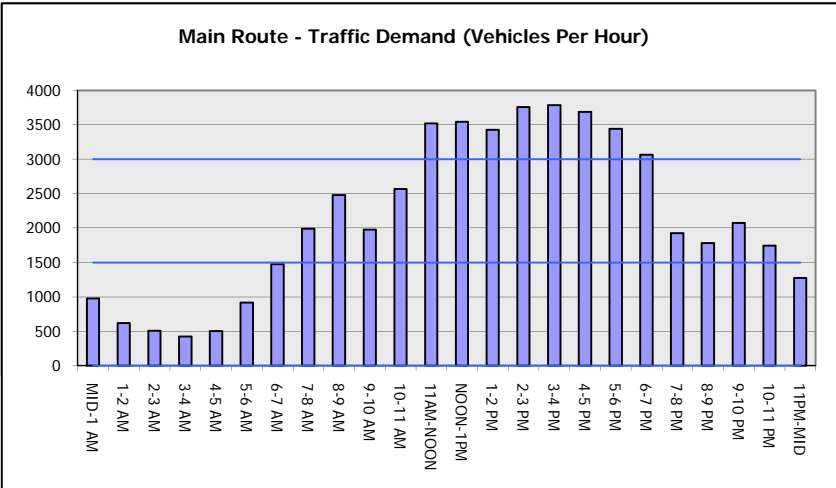
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0082
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0010
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$52,968
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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**NIGHTTIME 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 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**

SATURDAY 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	923	0.0	1499	923	0	1.10	77	70.2	31.4	42.7
1-2 AM	657	0.0	1500	657	0	0.23	0	70.2	55.4	46.2
2-3 AM	635	0.0	1500	635	0	0.23	0	70.2	55.5	46.3
3-4 AM	517	0.0	1500	517	0	0.22	0	70.2	55.8	46.8
4-5 AM	726	0.0	1500	726	0	0.23	0	70.2	55.1	46.0
5-6 AM	1340	0.0	1499	1340	0	0.40	0	70.2	47.7	36.8
6-7 AM	1506	0.0	1499	1506	0	0.73	7	70.2	37.8	33.0
7-8 AM	1789	0.0	1500	1789	0	5.25	149	69.8	10.7	32.5
8-9 AM	2342	0.0	OFF	2342	0	0.15	14	69.1	59.2	59.2
9-10 AM	1988	0.0	OFF	1988	0	0.00	0	69.6	69.6	69.6
10-11 AM	2662	0.0	OFF	2662	0	0.00	0	68.7	68.7	68.7
11AM-NOON	3576	0.0	OFF	3576	0	0.00	0	67.6	67.6	67.6
NOON-1PM	3765	0.0	OFF	3765	0	0.00	0	66.4	66.4	66.4
1-2 PM	3650	0.0	OFF	3650	0	0.00	0	67.2	67.2	67.2
2-3 PM	3715	0.0	OFF	3715	0	0.00	0	66.8	66.8	66.8
3-4 PM	3594	0.0	OFF	3594	0	0.00	0	67.6	67.6	67.6
4-5 PM	3439	0.0	OFF	3439	0	0.00	0	67.8	67.8	67.8
5-6 PM	3244	0.0	OFF	3244	0	0.00	0	68.0	68.0	68.0
6-7 PM	2774	0.0	1499	1663	1111	15.32+	394	68.6	5.7	38.4
7-8 PM	1827	0.0	1499	1736	91	13.35+	346	69.7	6.1	32.5
8-9 PM	1801	0.0	1500	1503	299	16.55+	419	69.8	5.5	32.5
9-10 PM	2318	0.0	1500	1502	816	16.58+	420	69.2	5.5	32.5
10-11 PM	1815	0.0	1500	1502	313	16.55+	419	69.8	5.5	32.5
11PM-MID	1370	0.0	1500	1370	0	14.54+	368	70.2	5.8	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	0.0083
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0010

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$50,891
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding User-Specified Maximum

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**MAY**  
 Analyzed for 2009  
 Construction Season

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

