

<b>IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b> Analyzed for 2009 Construction Season
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**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	1026	0.0	OFF	1026	0	0.00	0	70.2	70.2	70.2	
1-2 AM	647	0.0	OFF	647	0	0.00	0	70.2	70.2	70.2	
2-3 AM	522	0.0	OFF	522	0	0.00	0	70.2	70.2	70.2	
3-4 AM	480	0.0	OFF	480	0	0.00	0	70.2	70.2	70.2	
4-5 AM	506	0.0	OFF	506	0	0.00	0	70.2	70.2	70.2	
5-6 AM	989	0.0	OFF	989	0	0.00	0	70.2	70.2	70.2	
6-7 AM	1523	0.0	OFF	1523	0	0.00	0	70.2	70.2	70.2	
7-8 AM	1936	0.0	OFF	1936	0	0.00	0	69.6	69.6	69.6	
8-9 AM	2757	0.0	1499	2015	742	13.63+	352	68.6	6.0	33.0	
9-10 AM	3227	0.0	1499	1454	1774	16.97+	431	68.0	5.4	32.5	
10-11 AM	3617	0.0	1499	1499	2118	17.10+	435	67.4	5.3	32.5	
11AM-NOON	3753	0.0	1500	1500	2253	17.09+	435	66.5	5.3	32.5	
NOON-1PM	3924	0.0	1499	1500	2424	17.06+	435	65.3	5.3	32.5	
1-2 PM	3993	0.0	1500	1500	2493	17.05+	435	64.9	5.3	32.5	
2-3 PM	3885	0.0	1499	1500	2385	17.07+	435	65.6	5.3	32.5	
3-4 PM	3806	0.0	1499	1500	2306	17.08+	435	66.1	5.3	32.5	
4-5 PM	3681	0.0	1499	1500	2181	17.10+	435	67.0	5.3	32.5	
5-6 PM	3502	0.0	1500	1494	2008	17.09+	435	67.7	5.3	32.5	
6-7 PM	2972	0.0	OFF	2972	0	0.36	35	68.4	48.5	48.5	
7-8 PM	2697	0.0	OFF	2697	0	0.00	0	68.7	68.7	68.7	
8-9 PM	2313	0.0	OFF	2313	0	0.00	0	69.2	69.2	69.2	
9-10 PM	2136	0.0	OFF	2136	0	0.00	0	69.4	69.4	69.4	
10-11 PM	1809	0.0	OFF	1809	0	0.00	0	69.8	69.8	69.8	
11PM-MID	1415	0.0	OFF	1415	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

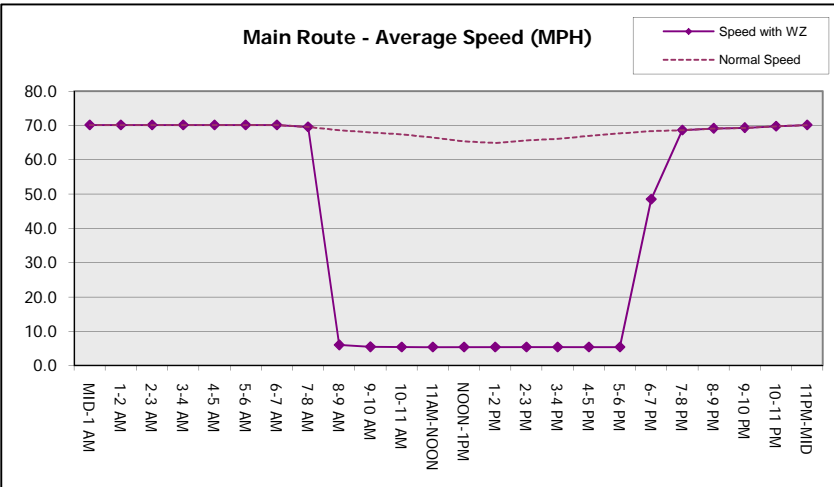
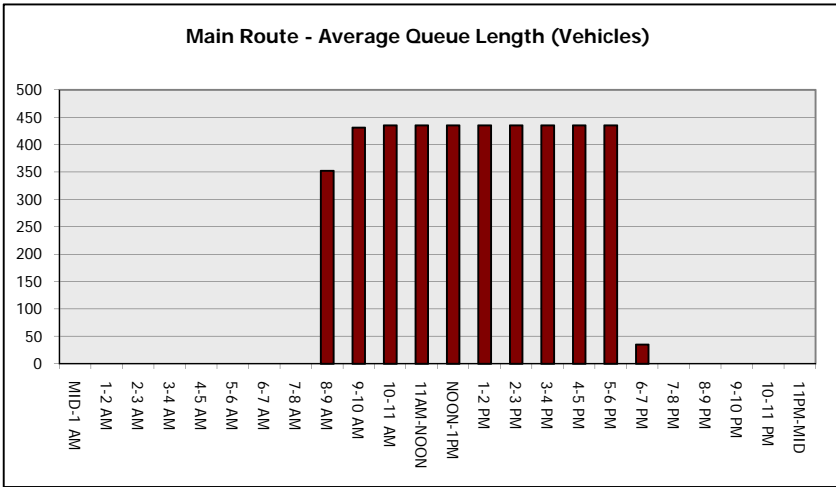
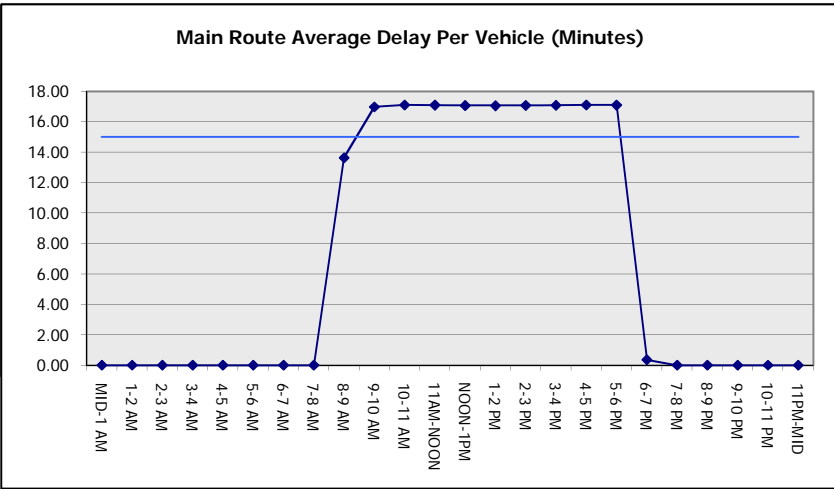
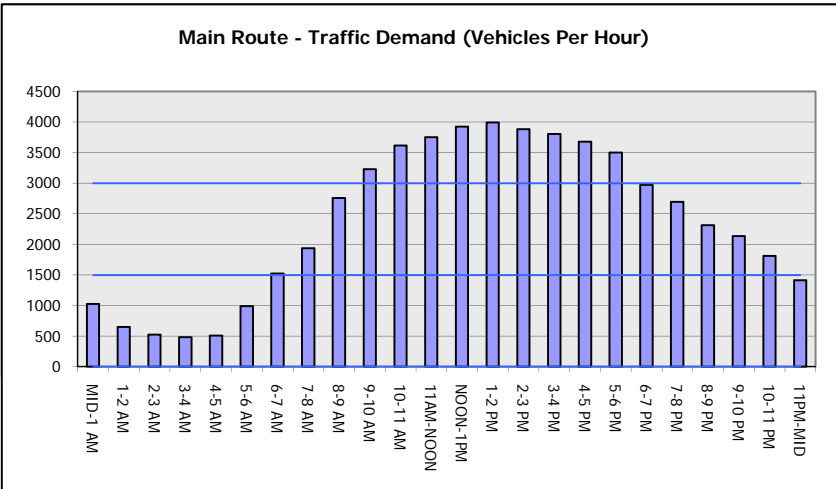
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0091
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0076
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$167,519
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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**OFF-PEAK DAY 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 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>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	1110	0.0	OFF	1110	0	0.00	0	70.2	70.2	70.2
1-2 AM	688	0.0	OFF	688	0	0.00	0	70.2	70.2	70.2
2-3 AM	662	0.0	OFF	662	0	0.00	0	70.2	70.2	70.2
3-4 AM	566	0.0	OFF	566	0	0.00	0	70.2	70.2	70.2
4-5 AM	778	0.0	OFF	778	0	0.00	0	70.2	70.2	70.2
5-6 AM	1305	0.0	OFF	1305	0	0.00	0	70.2	70.2	70.2
6-7 AM	1399	0.0	OFF	1399	0	0.00	0	70.2	70.2	70.2
7-8 AM	1661	0.0	OFF	1661	0	0.00	0	70.0	70.0	70.0
8-9 AM	2303	0.0	1499	1847	456	10.51+	293	69.2	7.0	33.0
9-10 AM	2914	0.0	1500	1555	1359	16.87+	428	68.4	5.4	32.4
10-11 AM	3313	0.0	1500	1510	1802	17.06+	434	67.9	5.4	32.5
11AM-NOON	3678	0.0	1499	1500	2178	17.10+	435	67.0	5.3	32.5
NOON-1PM	3853	0.0	1499	1500	2353	17.07+	435	65.8	5.3	32.5
1-2 PM	3698	0.0	1499	1500	2198	17.09+	435	66.9	5.3	32.5
2-3 PM	3917	0.0	1499	1500	2417	17.06+	435	65.4	5.3	32.5
3-4 PM	3790	0.0	1499	1500	2290	17.08+	435	66.3	5.3	32.5
4-5 PM	3597	0.0	1499	1500	2097	17.11+	435	67.6	5.3	32.5
5-6 PM	3289	0.0	1500	1508	1781	17.07+	434	67.9	5.4	32.5
6-7 PM	2853	0.0	OFF	2853	0	0.29	28	68.5	51.5	51.5
7-8 PM	2532	0.0	OFF	2532	0	0.00	0	68.9	68.9	68.9
8-9 PM	2422	0.0	OFF	2422	0	0.00	0	69.1	69.1	69.1
9-10 PM	2531	0.0	OFF	2531	0	0.00	0	68.9	68.9	68.9
10-11 PM	2008	0.0	OFF	2008	0	0.00	0	69.6	69.6	69.6
11PM-MID	1511	0.0	OFF	1511	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	0.0090
MAIN ROUTE WITH WORKS	0.0043
'DIVERSION'	0.0070

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$157,410
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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 Construction Season

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

