

IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	690	0.0	OFF	690	0	0.00	0	70.2	70.2	70.2
1-2 AM	394	0.0	OFF	394	0	0.00	0	70.2	70.2	70.2
2-3 AM	366	0.0	OFF	366	0	0.00	0	70.2	70.2	70.2
3-4 AM	456	0.0	OFF	456	0	0.00	0	70.2	70.2	70.2
4-5 AM	699	0.0	OFF	699	0	0.00	0	70.2	70.2	70.2
5-6 AM	2056	0.0	OFF	2056	0	0.00	0	69.5	69.5	69.5
6-7 AM	3929	0.0	OFF	3929	0	0.00	0	65.3	65.3	65.3
7-8 AM	4479	0.0	OFF	4479	0	0.00	0	61.5	61.5	61.5
8-9 AM	3612	0.0	OFF	3612	0	0.00	0	67.5	67.5	67.5
9-10 AM	2781	0.0	OFF	2781	0	0.00	0	68.6	68.6	68.6
10-11 AM	2936	0.0	1499	1704	1231	15.03+	387	68.4	5.7	38.2
11AM-NOON	2946	0.0	1499	1735	1212	16.08+	410	68.4	5.5	32.5
NOON-1PM	3067	0.0	1499	1494	1572	16.98+	431	68.2	5.4	32.5
1-2 PM	3124	0.0	1499	1500	1624	17.03+	433	68.2	5.4	32.5
2-3 PM	3666	0.0	1499	1500	2166	17.10+	435	67.1	5.3	32.5
3-4 PM	3948	0.0	OFF	3948	0	0.50	45	65.2	42.2	42.2
4-5 PM	3744	0.0	OFF	3744	0	0.00	0	66.6	66.6	66.6
5-6 PM	3726	0.0	OFF	3726	0	0.00	0	66.7	66.7	66.7
6-7 PM	2886	0.0	OFF	2886	0	0.00	0	68.4	68.4	68.4
7-8 PM	2375	0.0	OFF	2375	0	0.00	0	69.1	69.1	69.1
8-9 PM	2005	0.0	OFF	2005	0	0.00	0	69.6	69.6	69.6
9-10 PM	1982	0.0	OFF	1982	0	0.00	0	69.6	69.6	69.6
10-11 PM	1513	0.0	OFF	1513	0	0.00	0	70.2	70.2	70.2
11PM-MID	1058	0.0	OFF	1058	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

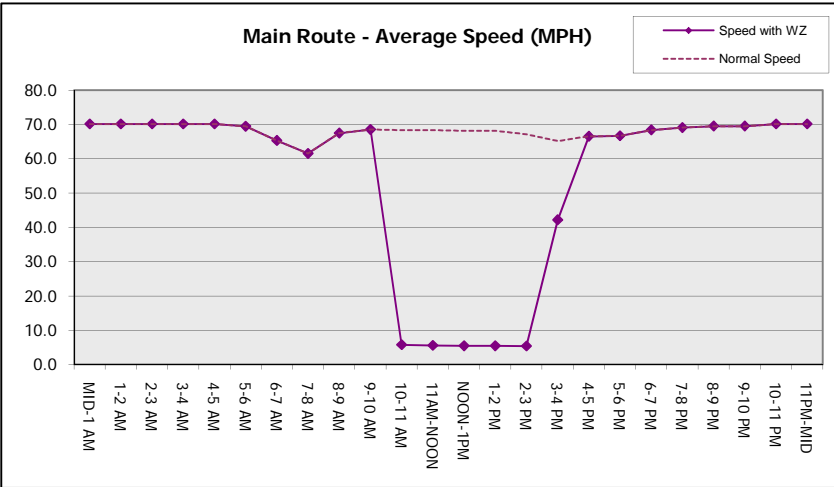
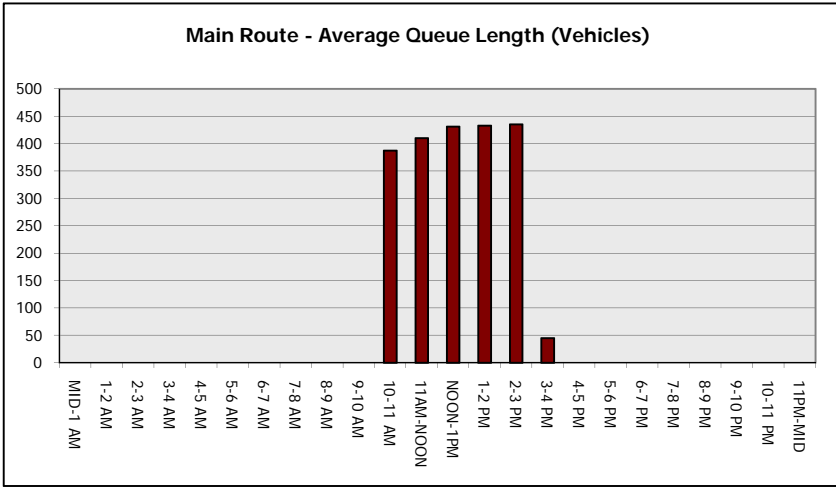
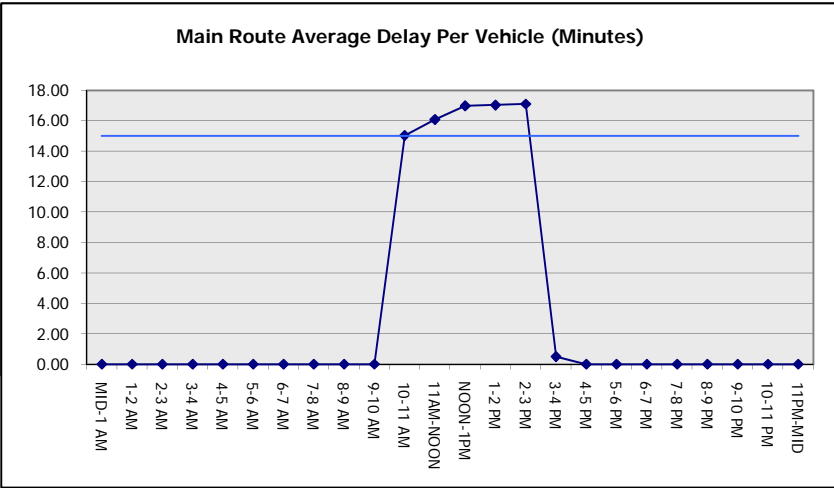
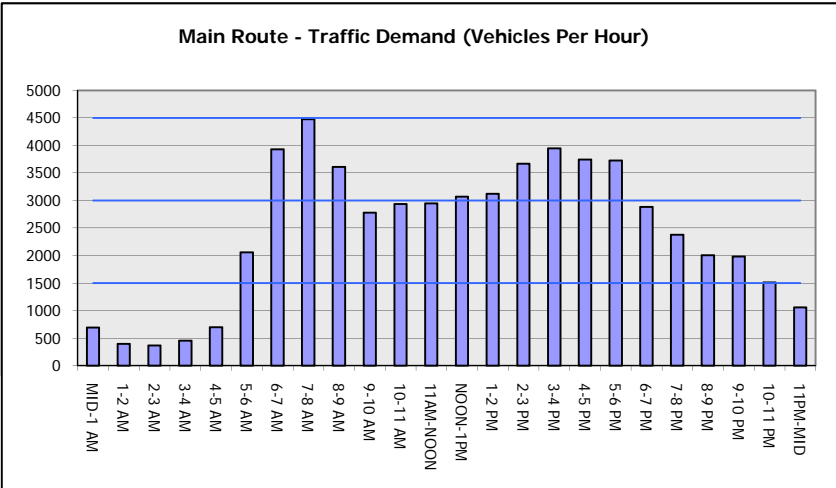
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0072
'DIVERSION'	0.0029
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$57,028
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT	
MON-THUR	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	603	0.0	OFF	603	0	0.00	0	70.2	70.2	70.2
1-2 AM	417	0.0	OFF	417	0	0.00	0	70.2	70.2	70.2
2-3 AM	420	0.0	OFF	420	0	0.00	0	70.2	70.2	70.2
3-4 AM	541	0.0	OFF	541	0	0.00	0	70.2	70.2	70.2
4-5 AM	1059	0.0	OFF	1059	0	0.00	0	70.2	70.2	70.2
5-6 AM	2420	0.0	OFF	2420	0	0.00	0	69.1	69.1	69.1
6-7 AM	3668	0.0	OFF	3668	0	0.00	0	67.1	67.1	67.1
7-8 AM	3556	0.0	OFF	3556	0	0.00	0	67.6	67.6	67.6
8-9 AM	3206	0.0	OFF	3206	0	0.00	0	68.1	68.1	68.1
9-10 AM	2752	0.0	OFF	2752	0	0.00	0	68.6	68.6	68.6
10-11 AM	2820	0.0	1499	1827	993	14.27+	366	68.6	5.8	36.5
11AM-NOON	3039	0.0	1499	1559	1480	16.86+	428	68.2	5.4	32.7
NOON-1PM	3311	0.0	1500	1520	1791	17.02+	433	67.9	5.4	32.5
1-2 PM	3473	0.0	1500	1503	1970	17.10+	435	67.8	5.3	32.5
2-3 PM	4099	0.0	1500	1500	2599	17.03+	435	64.1	5.3	32.5
3-4 PM	4333	0.0	OFF	4333	0	0.55	50	62.5	39.9	39.9
4-5 PM	4743	0.0	OFF	4743	0	0.00	0	59.7	59.7	59.7
5-6 PM	4916	0.0	OFF	4916	0	0.00	0	58.6	58.6	58.6
6-7 PM	3477	0.0	OFF	3477	0	0.00	0	67.7	67.7	67.7
7-8 PM	2572	0.0	OFF	2572	0	0.00	0	68.9	68.9	68.9
8-9 PM	2228	0.0	OFF	2228	0	0.00	0	69.2	69.2	69.2
9-10 PM	2059	0.0	OFF	2059	0	0.00	0	69.5	69.5	69.5
10-11 PM	1615	0.0	OFF	1615	0	0.00	0	70.0	70.0	70.0
11PM-MID	1035	0.0	OFF	1035	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	0.0099
MAIN ROUTE WITH WORKS	0.0077
'DIVERSION'	0.0033

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$60,947
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

