

IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) NIGHTTIME 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	1500	690	0	0.23	0	70.2	55.3	46.1	
1-2 AM	394	0.0	1500	394	0	0.21	0	70.2	56.3	47.4	
2-3 AM	366	0.0	1500	366	0	0.21	0	70.2	56.3	47.5	
3-4 AM	456	0.0	1500	456	0	0.22	0	70.2	56.0	47.1	
4-5 AM	699	0.0	1500	699	0	0.23	0	70.2	55.3	46.1	
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	OFF	2936	0	0.00	0	68.4	68.4	68.4	
11AM-NOON	2946	0.0	OFF	2946	0	0.00	0	68.4	68.4	68.4	
NOON-1PM	3067	0.0	OFF	3067	0	0.00	0	68.2	68.2	68.2	
1-2 PM	3124	0.0	OFF	3124	0	0.00	0	68.2	68.2	68.2	
2-3 PM	3666	0.0	OFF	3666	0	0.00	0	67.1	67.1	67.1	
3-4 PM	3948	0.0	OFF	3948	0	0.00	0	65.2	65.2	65.2	
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	1499	1985	390	12.84+	333	69.1	6.1	32.5	
8-9 PM	2005	0.0	1499	1469	537	16.48+	418	69.6	5.5	32.5	
9-10 PM	1982	0.0	1499	1496	486	16.56+	420	69.6	5.5	32.5	
10-11 PM	1513	0.0	1499	1416	97	15.88+	402	70.2	5.5	32.5	
11PM-MID	1058	0.0	1499	1058	0	3.42	175	70.2	16.0	38.7	

"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

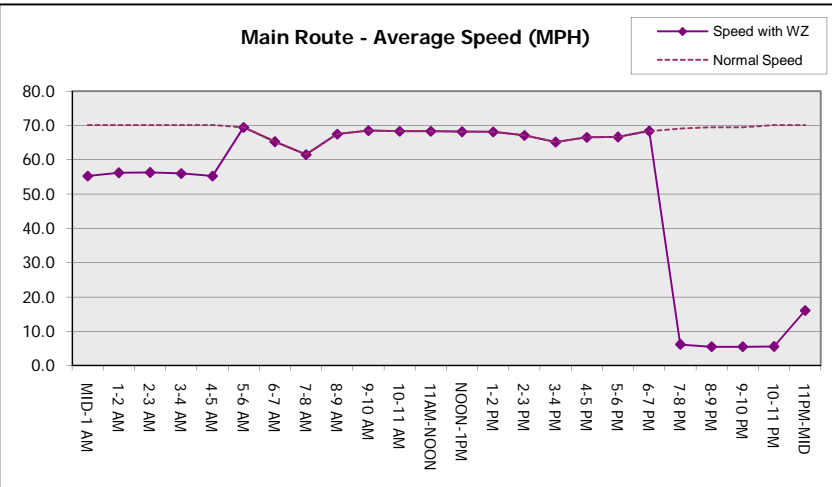
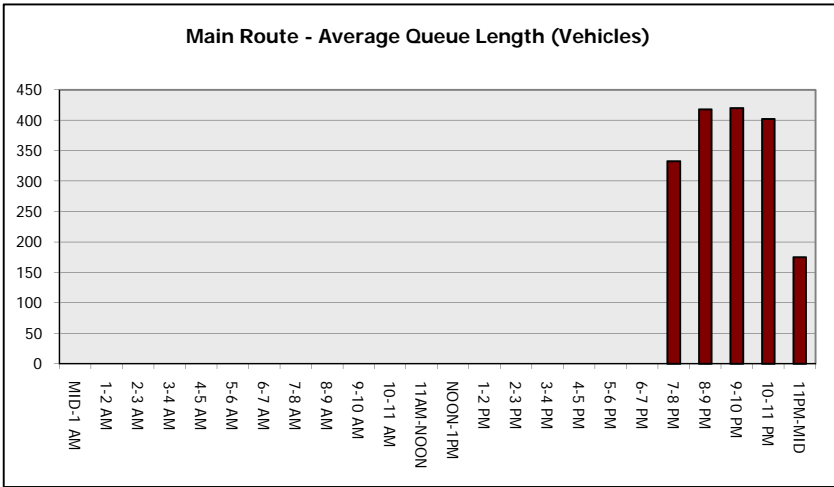
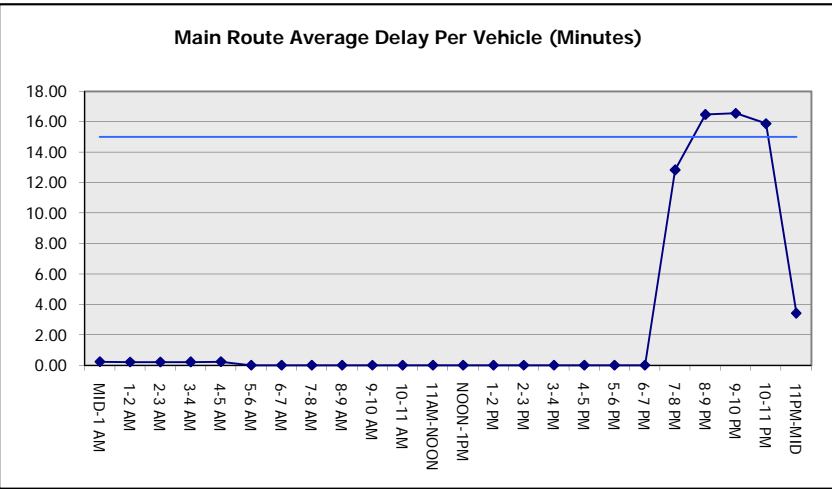
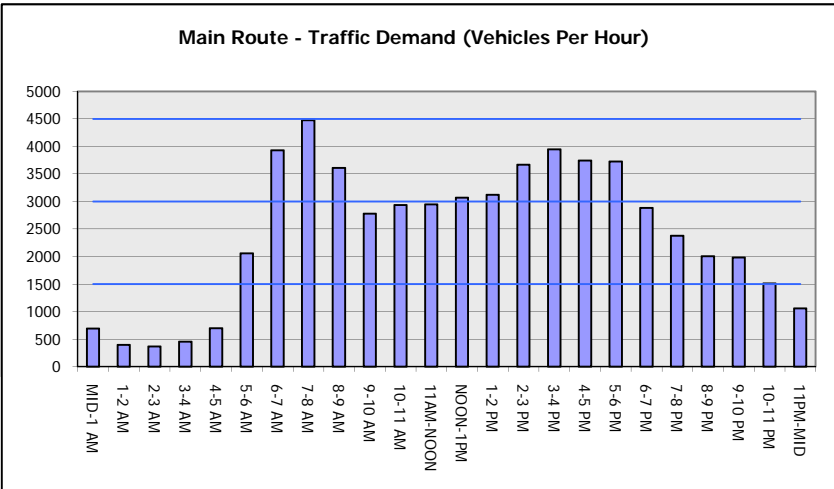
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0080
'DIVERSION'	0.0006
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,416
CONGESTED HOURS PER DAY*	4

*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) NIGHTTIME 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	1500	603	0	0.22	0	70.2	55.6	46.5
1-2 AM	417	0.0	1500	417	0	0.21	0	70.2	56.1	47.3
2-3 AM	420	0.0	1500	420	0	0.21	0	70.2	56.1	47.3
3-4 AM	541	0.0	1500	541	0	0.22	0	70.2	55.8	46.8
4-5 AM	1059	0.0	1499	1059	0	0.30	0	70.2	51.8	41.7
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	OFF	2820	0	0.00	0	68.6	68.6	68.6
11AM-NOON	3039	0.0	OFF	3039	0	0.00	0	68.2	68.2	68.2
NOON-1PM	3311	0.0	OFF	3311	0	0.00	0	67.9	67.9	67.9
1-2 PM	3473	0.0	OFF	3473	0	0.00	0	67.8	67.8	67.8
2-3 PM	4099	0.0	OFF	4099	0	0.00	0	64.1	64.1	64.1
3-4 PM	4333	0.0	OFF	4333	0	0.00	0	62.5	62.5	62.5
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	1499	1839	733	13.97+	358	68.9	5.9	35.4
8-9 PM	2228	0.0	1499	1519	709	16.62+	421	69.2	5.5	32.7
9-10 PM	2059	0.0	1500	1508	551	16.57+	420	69.5	5.5	32.5
10-11 PM	1615	0.0	1500	1542	73	16.16+	409	70.0	5.5	32.4
11PM-MID	1035	0.0	1499	1035	0	4.47	209	70.2	13.5	38.4

"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	0.0085
'DIVERSION'	0.0008

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$32,713
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

