

IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	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	2999	2757	0	0.30	0	68.6	51.0	41.1
9-10 AM	3227	0.0	2999	3227	0	1.59	86	68.0	24.8	36.9
10-11 AM	3617	0.0	3000	3617	0	9.43	519	67.4	9.9	36.9
11AM-NOON	3753	0.0	2999	3038	715	16.83+	907	66.5	8.3	36.9
NOON-1PM	3924	0.0	3000	3015	909	16.81+	909	65.3	8.3	36.9
1-2 PM	3993	0.0	3000	3007	986	16.81+	910	64.9	8.3	36.9
2-3 PM	3885	0.0	3000	3002	883	16.82+	908	65.6	8.3	36.9
3-4 PM	3806	0.0	3000	3000	805	16.82+	908	66.1	8.3	36.9
4-5 PM	3681	0.0	3000	2999	682	16.83+	906	67.0	8.3	36.9
5-6 PM	3502	0.0	3000	2999	503	16.81+	904	67.7	8.3	36.9
6-7 PM	2972	0.0	OFF	2972	0	1.39	135	68.4	26.5	26.5
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

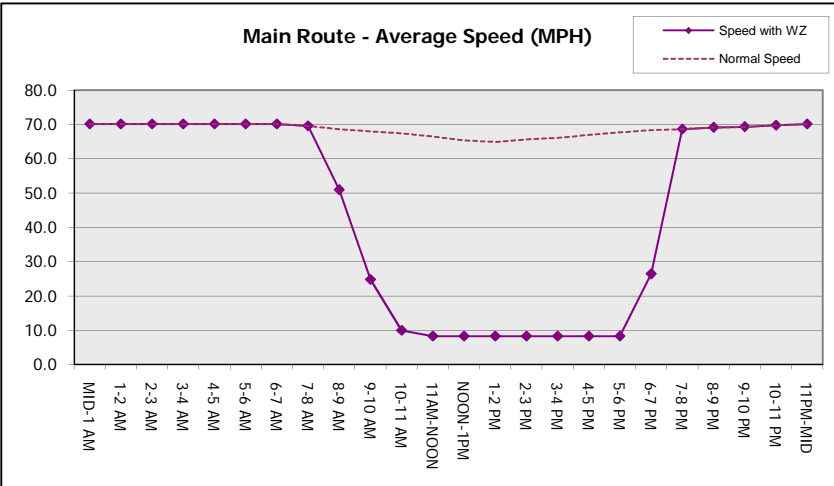
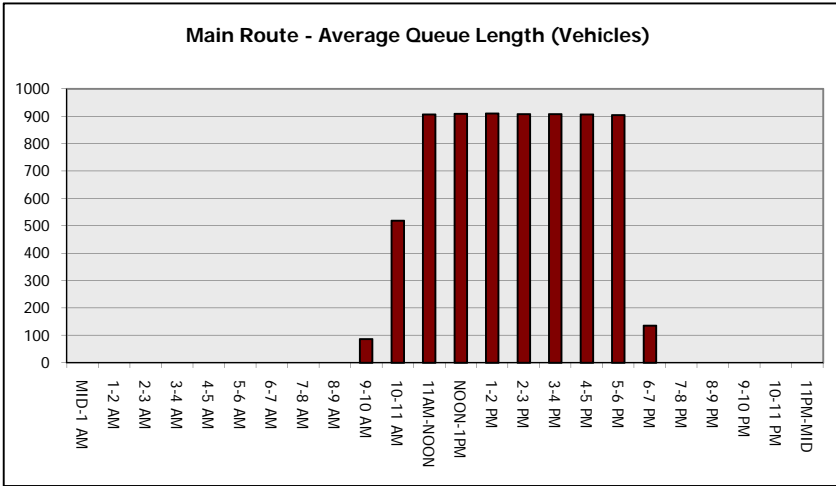
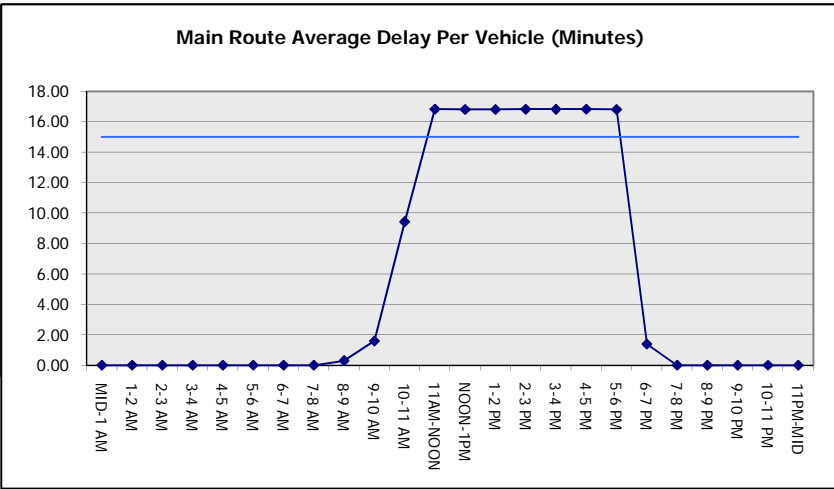
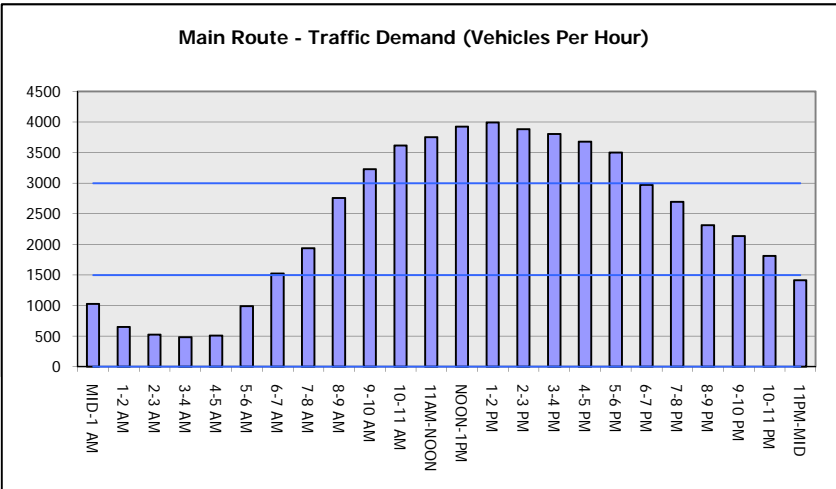
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0091
MAIN ROUTE WITH WORKS	0.0049
'DIVERSION'	0.0020
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$133,537
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	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	2999	2303	0	0.19	0	69.2	56.6	48.4
9-10 AM	2914	0.0	2999	2914	0	0.43	5	68.4	45.9	38.6
10-11 AM	3313	0.0	3000	3313	0	2.72	152	67.9	18.1	36.9
11AM-NOON	3678	0.0	3000	3669	9	11.91+	653	67.0	9.2	36.9
NOON-1PM	3853	0.0	2999	2929	924	16.95+	915	65.8	8.3	36.9
1-2 PM	3698	0.0	2999	2987	711	16.83+	906	66.9	8.3	36.9
2-3 PM	3917	0.0	2999	2995	921	16.82+	909	65.4	8.3	36.9
3-4 PM	3790	0.0	3000	2997	793	16.82+	907	66.3	8.3	36.9
4-5 PM	3597	0.0	3000	2997	599	16.83+	905	67.6	8.3	36.9
5-6 PM	3289	0.0	3000	2997	292	16.78+	902	67.9	8.3	36.9
6-7 PM	2853	0.0	OFF	2853	0	1.33	130	68.5	27.3	27.3
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	0.0
(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	0
(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	0.0050
'DIVERSION'	0.0016

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$117,364
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

