

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

SUNDAY 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	1041	0.0	OFF	1041	0	0.00	0	70.2	70.2	70.2	
1-2 AM	588	0.0	OFF	588	0	0.00	0	70.2	70.2	70.2	
2-3 AM	402	0.0	OFF	402	0	0.00	0	70.2	70.2	70.2	
3-4 AM	292	0.0	OFF	292	0	0.00	0	70.2	70.2	70.2	
4-5 AM	321	0.0	OFF	321	0	0.00	0	70.2	70.2	70.2	
5-6 AM	512	0.0	OFF	512	0	0.00	0	70.2	70.2	70.2	
6-7 AM	810	0.0	OFF	810	0	0.00	0	70.2	70.2	70.2	
7-8 AM	1000	0.0	OFF	1000	0	0.00	0	70.2	70.2	70.2	
8-9 AM	1500	0.0	OFF	1500	0	0.00	0	70.2	70.2	70.2	
9-10 AM	2217	0.0	3000	2217	0	0.18	0	69.3	57.6	49.7	
10-11 AM	2880	0.0	2999	2880	0	0.35	0	68.4	49.1	38.8	
11AM-NOON	3093	0.0	2999	3093	0	0.86	31	68.2	34.4	36.9	
NOON-1PM	3356	0.0	3000	3356	0	4.81	260	67.9	13.1	36.9	
1-2 PM	3441	0.0	3000	3441	0	12.37+	667	67.8	9.0	36.9	
2-3 PM	3439	0.0	2999	3007	432	16.80+	903	67.8	8.3	36.9	
3-4 PM	3513	0.0	3000	3004	510	16.81+	904	67.7	8.3	36.9	
4-5 PM	3545	0.0	3000	3002	543	16.82+	905	67.6	8.3	36.9	
5-6 PM	3154	0.0	3000	2998	156	16.75+	900	68.1	8.3	36.9	
6-7 PM	3092	0.0	2999	2999	93	16.74+	899	68.2	8.3	36.9	
7-8 PM	2745	0.0	OFF	2745	0	1.26	124	68.6	28.1	28.1	
8-9 PM	2365	0.0	OFF	2365	0	0.00	0	69.1	69.1	69.1	
9-10 PM	2135	0.0	OFF	2135	0	0.00	0	69.4	69.4	69.4	
10-11 PM	1607	0.0	OFF	1607	0	0.00	0	70.0	70.0	70.0	
11PM-MID	1056	0.0	OFF	1056	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

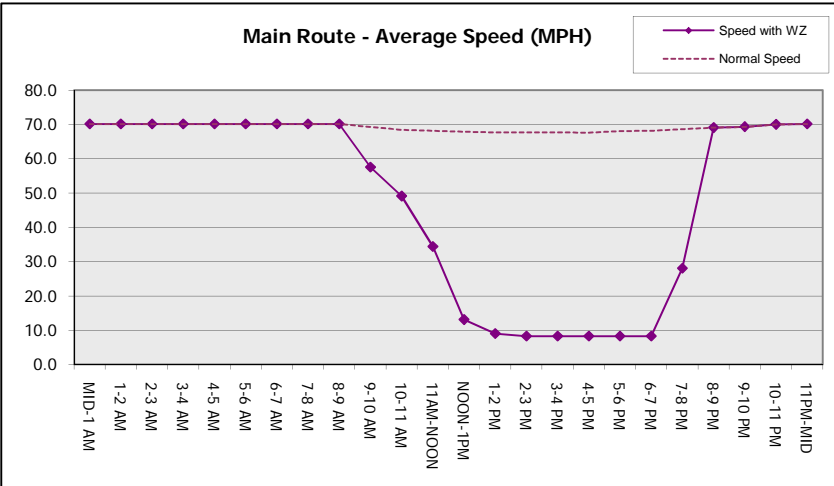
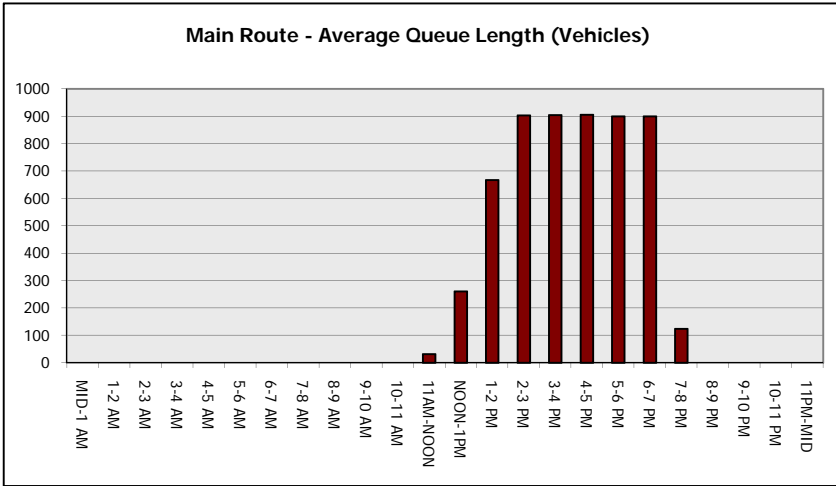
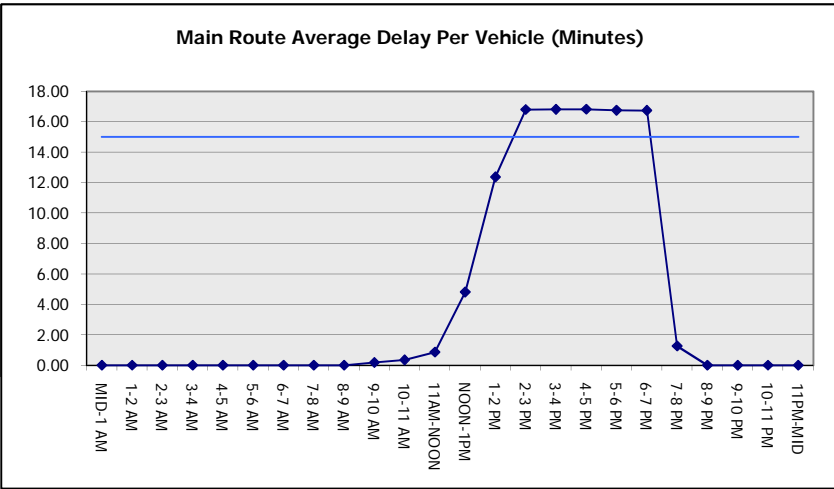
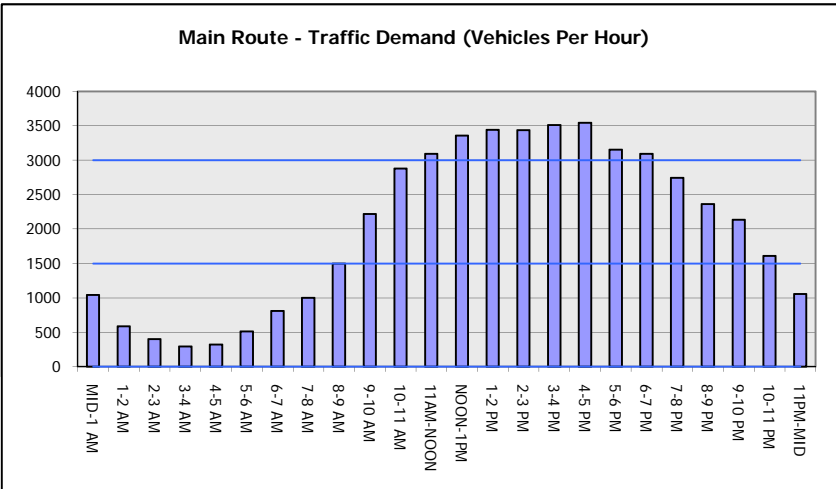
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0077
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0006
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$94,939
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	1307	0.0	OFF	1307	0	0.00	0	70.2	70.2	70.2
1-2 AM	852	0.0	OFF	852	0	0.00	0	70.2	70.2	70.2
2-3 AM	672	0.0	OFF	672	0	0.00	0	70.2	70.2	70.2
3-4 AM	458	0.0	OFF	458	0	0.00	0	70.2	70.2	70.2
4-5 AM	519	0.0	OFF	519	0	0.00	0	70.2	70.2	70.2
5-6 AM	801	0.0	OFF	801	0	0.00	0	70.2	70.2	70.2
6-7 AM	973	0.0	OFF	973	0	0.00	0	70.2	70.2	70.2
7-8 AM	1194	0.0	OFF	1194	0	0.00	0	70.2	70.2	70.2
8-9 AM	1705	0.0	OFF	1705	0	0.00	0	69.9	69.9	69.9
9-10 AM	2560	0.0	2999	2560	0	0.24	0	68.9	54.2	45.2
10-11 AM	3096	0.0	2999	3096	0	0.74	28	68.2	36.9	37.1
11AM-NOON	3620	0.0	3000	3620	0	6.92	391	67.4	11.3	36.9
NOON-1PM	4159	0.0	2999	3196	963	16.90+	917	63.8	8.2	36.9
1-2 PM	4314	0.0	3000	3015	1300	17.22+	937	62.7	8.2	36.9
2-3 PM	4482	0.0	3000	3020	1462	17.57+	959	61.5	8.1	36.9
3-4 PM	4432	0.0	3000	2987	1444	17.54+	957	61.9	8.1	36.9
4-5 PM	4297	0.0	3000	2977	1320	17.27+	940	62.8	8.2	36.9
5-6 PM	3956	0.0	3000	2986	969	16.83+	910	65.1	8.3	36.9
6-7 PM	3632	0.0	2999	2995	637	16.83+	906	67.4	8.3	36.9
7-8 PM	2917	0.0	OFF	2917	0	1.38	134	68.4	26.6	26.6
8-9 PM	2540	0.0	OFF	2540	0	0.00	0	68.9	68.9	68.9
9-10 PM	2165	0.0	OFF	2165	0	0.00	0	69.4	69.4	69.4
10-11 PM	1522	0.0	OFF	1522	0	0.00	0	70.2	70.2	70.2
11PM-MID	1047	0.0	OFF	1047	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	0.0091
MAIN ROUTE WITH WORKS	0.0045
'DIVERSION'	0.0030

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$146,247
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

