

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	851	0.0	OFF	851	0	0.00	0	70.2	70.2	70.2	
1-2 AM	505	0.0	OFF	505	0	0.00	0	70.2	70.2	70.2	
2-3 AM	488	0.0	OFF	488	0	0.00	0	70.2	70.2	70.2	
3-4 AM	545	0.0	OFF	545	0	0.00	0	70.2	70.2	70.2	
4-5 AM	799	0.0	OFF	799	0	0.00	0	70.2	70.2	70.2	
5-6 AM	2152	0.0	OFF	2152	0	0.00	0	69.4	69.4	69.4	
6-7 AM	3958	0.0	OFF	3958	0	0.00	0	65.1	65.1	65.1	
7-8 AM	4533	0.0	OFF	4533	0	0.00	0	61.2	61.2	61.2	
8-9 AM	3862	0.0	OFF	3862	0	0.00	0	65.8	65.8	65.8	
9-10 AM	3299	0.0	OFF	3299	0	0.00	0	67.9	67.9	67.9	
10-11 AM	3208	0.0	2999	3208	0	1.82	94	68.1	22.7	36.9	
11AM-NOON	3583	0.0	3000	3583	0	8.79	483	67.6	10.2	36.9	
NOON-1PM	3706	0.0	2999	3085	621	16.73+	901	66.8	8.3	36.9	
1-2 PM	3864	0.0	3000	3018	846	16.82+	908	65.8	8.3	36.9	
2-3 PM	4263	0.0	3000	3048	1215	17.05+	927	63.0	8.2	36.9	
3-4 PM	4433	0.0	OFF	4433	0	2.94	283	61.9	15.3	15.3	
4-5 PM	4042	0.0	OFF	4042	0	0.00	0	64.5	64.5	64.5	
5-6 PM	3943	0.0	OFF	3943	0	0.00	0	65.2	65.2	65.2	
6-7 PM	3806	0.0	OFF	3806	0	0.00	0	66.1	66.1	66.1	
7-8 PM	3254	0.0	OFF	3254	0	0.00	0	68.0	68.0	68.0	
8-9 PM	2663	0.0	OFF	2663	0	0.00	0	68.7	68.7	68.7	
9-10 PM	2535	0.0	OFF	2535	0	0.00	0	68.9	68.9	68.9	
10-11 PM	2018	0.0	OFF	2018	0	0.00	0	69.6	69.6	69.6	
11PM-MID	1449	0.0	OFF	1449	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	0.0108
MAIN ROUTE WITH WORKS	0.0086
'DIVERSION'	0.0010
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$51,530
CONGESTED HOURS PER DAY*	3

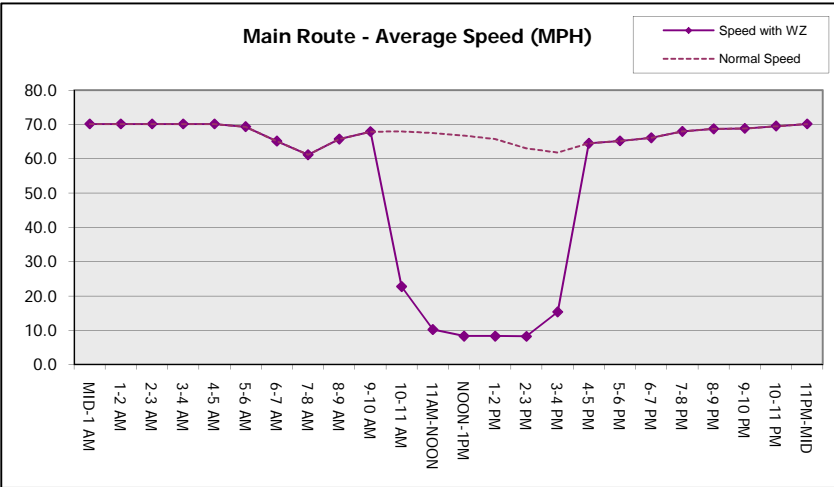
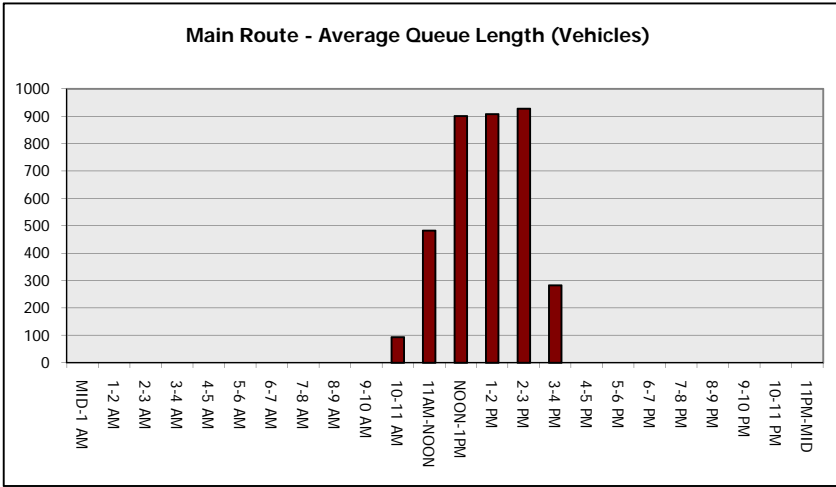
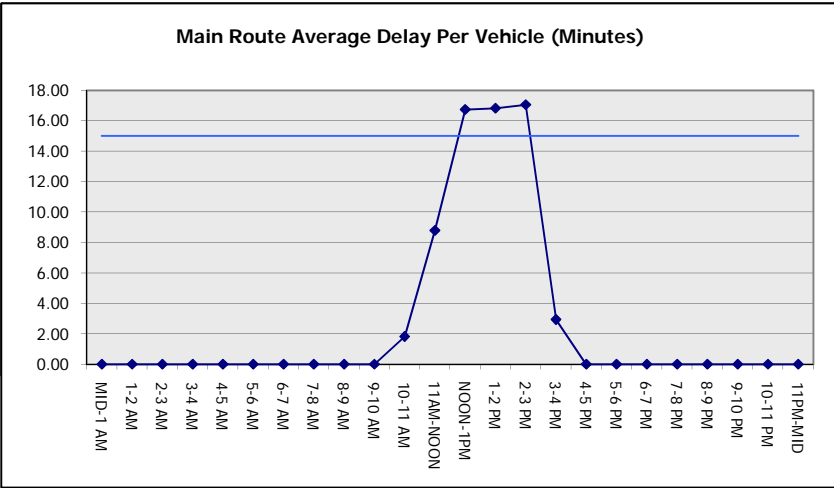
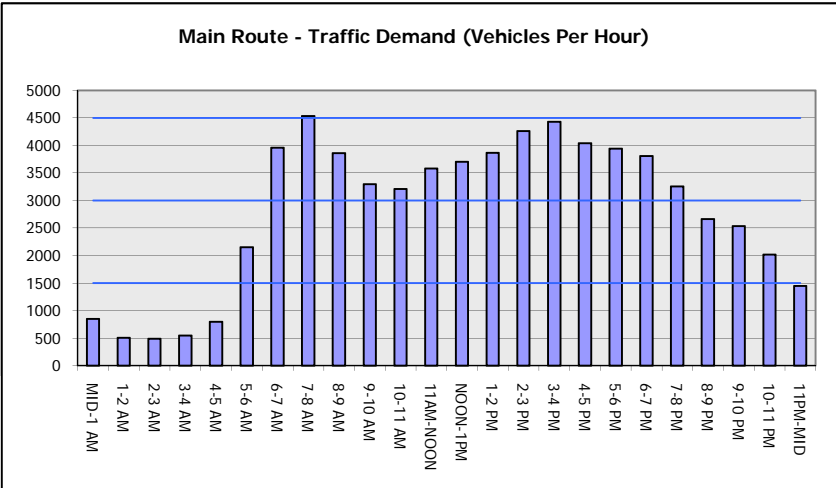
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	769	0.0	OFF	769	0	0.00	0	70.2	70.2	70.2
1-2 AM	513	0.0	OFF	513	0	0.00	0	70.2	70.2	70.2
2-3 AM	518	0.0	OFF	518	0	0.00	0	70.2	70.2	70.2
3-4 AM	618	0.0	OFF	618	0	0.00	0	70.2	70.2	70.2
4-5 AM	1104	0.0	OFF	1104	0	0.00	0	70.2	70.2	70.2
5-6 AM	2400	0.0	OFF	2400	0	0.00	0	69.1	69.1	69.1
6-7 AM	3590	0.0	OFF	3590	0	0.00	0	67.6	67.6	67.6
7-8 AM	3568	0.0	OFF	3568	0	0.00	0	67.6	67.6	67.6
8-9 AM	3338	0.0	OFF	3338	0	0.00	0	67.9	67.9	67.9
9-10 AM	3086	0.0	OFF	3086	0	0.00	0	68.2	68.2	68.2
10-11 AM	3052	0.0	2999	3052	0	0.62	15	68.2	39.9	36.9
11AM-NOON	3439	0.0	3000	3439	0	4.47	251	67.8	13.7	36.9
NOON-1PM	3707	0.0	3000	3385	322	14.43+	783	66.8	8.6	36.9
1-2 PM	3973	0.0	3000	3031	943	16.84+	911	65.0	8.3	36.9
2-3 PM	4271	0.0	3000	3038	1233	17.07+	928	63.0	8.2	36.9
3-4 PM	4635	0.0	OFF	4635	0	3.39	327	60.5	13.7	13.7
4-5 PM	4977	0.0	OFF	4977	0	0.00	0	58.2	58.2	58.2
5-6 PM	4713	0.0	OFF	4713	0	0.00	0	60.0	60.0	60.0
6-7 PM	3747	0.0	OFF	3747	0	0.00	0	66.6	66.6	66.6
7-8 PM	2976	0.0	OFF	2976	0	0.00	0	68.3	68.3	68.3
8-9 PM	2391	0.0	OFF	2391	0	0.00	0	69.1	69.1	69.1
9-10 PM	2291	0.0	OFF	2291	0	0.00	0	69.2	69.2	69.2
10-11 PM	2142	0.0	OFF	2142	0	0.00	0	69.4	69.4	69.4
11PM-MID	1501	0.0	OFF	1501	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	0.0107
MAIN ROUTE WITH WORKS	0.0086
'DIVERSION'	0.0009

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,633
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

