

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

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	1499	851	0	1.19	92	70.2	30.4	43.2	
1-2 AM	505	0.0	1500	505	0	0.22	0	70.2	55.9	46.9	
2-3 AM	488	0.0	1500	488	0	0.22	0	70.2	56.0	46.9	
3-4 AM	545	0.0	1500	545	0	0.22	0	70.2	55.8	46.7	
4-5 AM	799	0.0	1500	799	0	0.24	0	70.2	55.0	45.6	
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	OFF	3208	0	0.00	0	68.1	68.1	68.1	
11AM-NOON	3583	0.0	OFF	3583	0	0.00	0	67.6	67.6	67.6	
NOON-1PM	3706	0.0	OFF	3706	0	0.00	0	66.8	66.8	66.8	
1-2 PM	3864	0.0	OFF	3864	0	0.00	0	65.8	65.8	65.8	
2-3 PM	4263	0.0	OFF	4263	0	0.00	0	63.0	63.0	63.0	
3-4 PM	4433	0.0	OFF	4433	0	0.00	0	61.9	61.9	61.9	
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	1499	1665	1665	17.21+	441	68.0	5.4	38.9	
8-9 PM	2663	0.0	1499	1661	1003	15.04+	399	68.7	5.8	37.8	
9-10 PM	2535	0.0	1499	1661	874	16.07+	408	68.9	5.5	32.5	
10-11 PM	2018	0.0	1500	1501	517	16.56+	420	69.6	5.5	32.5	
11PM-MID	1449	0.0	1500	1402	47	15.43+	391	70.2	5.6	32.5	

"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	0.0089
'DIVERSION'	0.0015
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,254
CONGESTED HOURS PER DAY*	5

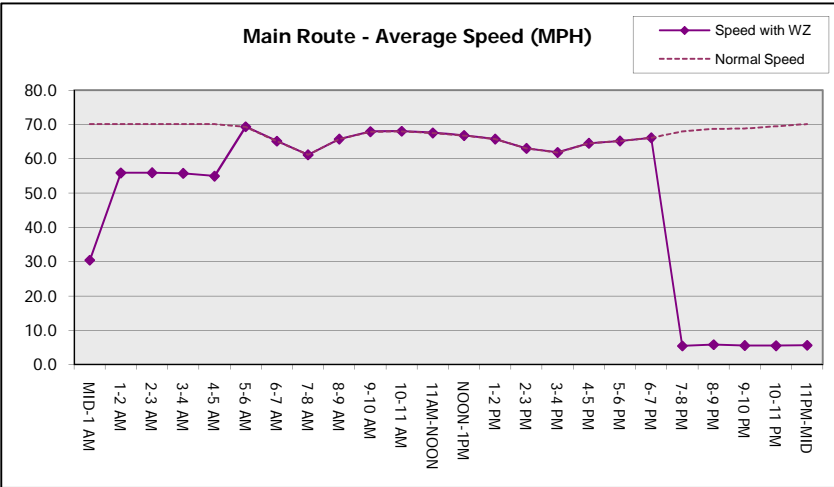
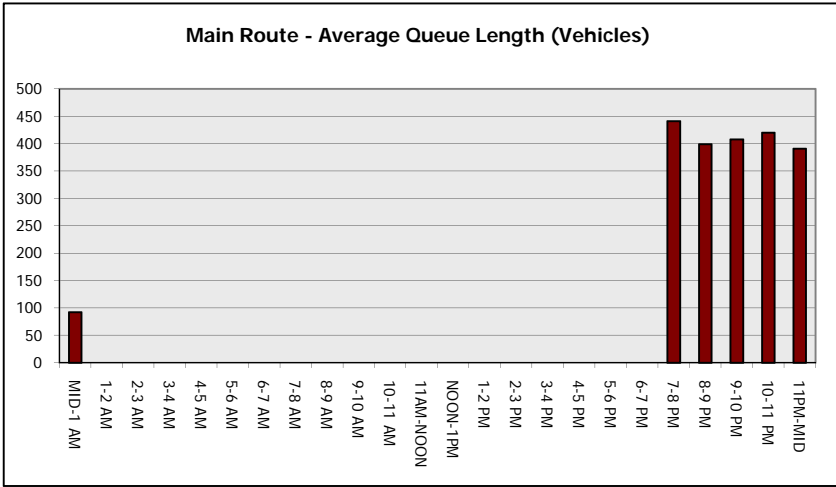
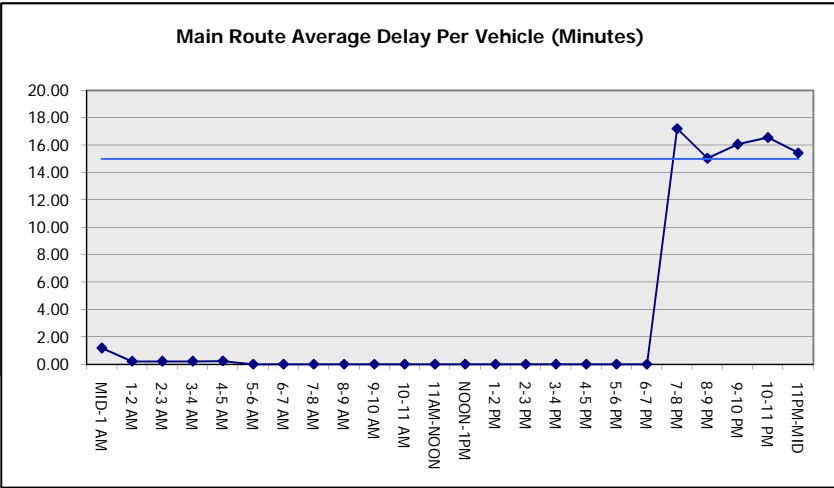
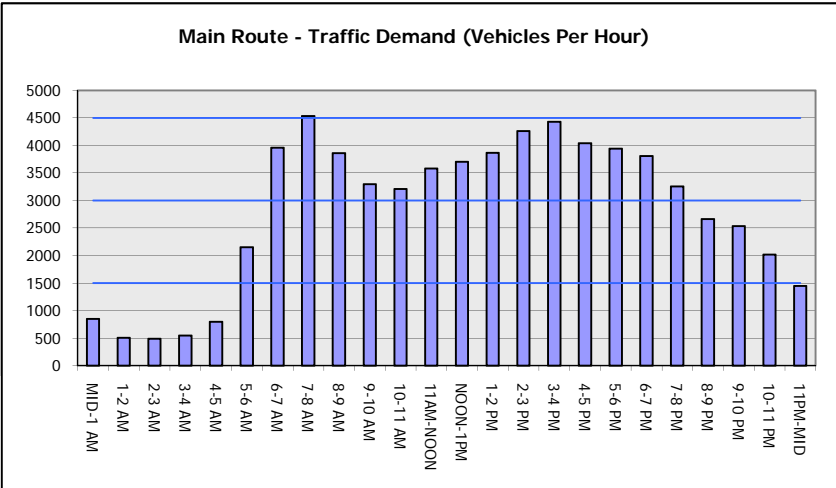
*Delays Exceeding User-Specified Maximum

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NIGHTTIME 2 LANE CLOSURE
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY 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

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	1499	769	0	1.06	84	70.2	32.3	44.5
1-2 AM	513	0.0	1500	513	0	0.22	0	70.2	55.8	46.9
2-3 AM	518	0.0	1500	518	0	0.22	0	70.2	55.8	46.8
3-4 AM	618	0.0	1500	618	0	0.23	0	70.2	55.5	46.4
4-5 AM	1104	0.0	1499	1104	0	0.31	0	70.2	51.3	41.1
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	OFF	3052	0	0.00	0	68.2	68.2	68.2
11AM-NOON	3439	0.0	OFF	3439	0	0.00	0	67.8	67.8	67.8
NOON-1PM	3707	0.0	OFF	3707	0	0.00	0	66.8	66.8	66.8
1-2 PM	3973	0.0	OFF	3973	0	0.00	0	65.0	65.0	65.0
2-3 PM	4271	0.0	OFF	4271	0	0.00	0	63.0	63.0	63.0
3-4 PM	4635	0.0	OFF	4635	0	0.00	0	60.5	60.5	60.5
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	1499	1573	1403	16.75+	429	68.3	5.5	39.0
8-9 PM	2391	0.0	1499	1828	564	13.76+	363	69.1	6.0	33.8
9-10 PM	2291	0.0	1499	1502	789	16.58+	420	69.2	5.5	32.5
10-11 PM	2142	0.0	1500	1502	640	16.57+	420	69.4	5.5	32.5
11PM-MID	1501	0.0	1500	1416	85	15.43+	391	70.2	5.6	32.5

"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	0.0089
'DIVERSION'	0.0013

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,109
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

