

IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	967	0.0	OFF	967	0	0.00	0	70.2	70.2	70.2	
1-2 AM	559	0.0	OFF	559	0	0.00	0	70.2	70.2	70.2	
2-3 AM	413	0.0	OFF	413	0	0.00	0	70.2	70.2	70.2	
3-4 AM	284	0.0	OFF	284	0	0.00	0	70.2	70.2	70.2	
4-5 AM	288	0.0	OFF	288	0	0.00	0	70.2	70.2	70.2	
5-6 AM	452	0.0	OFF	452	0	0.00	0	70.2	70.2	70.2	
6-7 AM	775	0.0	OFF	775	0	0.00	0	70.2	70.2	70.2	
7-8 AM	1002	0.0	OFF	1002	0	0.00	0	70.2	70.2	70.2	
8-9 AM	1493	0.0	OFF	1493	0	0.00	0	70.2	70.2	70.2	
9-10 AM	2030	0.0	1499	2030	0	7.38+	228	69.5	8.9	32.5	
10-11 AM	2648	0.0	1500	1426	1221	16.76+	426	68.7	5.4	32.7	
11AM-NOON	3233	0.0	1499	1488	1746	17.07+	434	68.0	5.4	32.5	
NOON-1PM	3531	0.0	1500	1500	2031	17.11+	435	67.6	5.3	32.5	
1-2 PM	3339	0.0	1500	1499	1840	17.11+	435	67.9	5.3	32.5	
2-3 PM	3202	0.0	1499	1494	1709	17.10+	434	68.1	5.3	32.5	
3-4 PM	3540	0.0	1499	1500	2040	17.11+	435	67.6	5.3	32.5	
4-5 PM	3495	0.0	1500	1500	1995	17.11+	435	67.7	5.3	32.5	
5-6 PM	3281	0.0	1500	1499	1782	17.11+	435	67.9	5.3	32.5	
6-7 PM	2941	0.0	1500	1494	1447	16.87+	428	68.4	5.4	32.5	
7-8 PM	2737	0.0	OFF	2737	0	0.29	28	68.6	51.5	51.5	
8-9 PM	2287	0.0	OFF	2287	0	0.00	0	69.2	69.2	69.2	
9-10 PM	2039	0.0	OFF	2039	0	0.00	0	69.5	69.5	69.5	
10-11 PM	1517	0.0	OFF	1517	0	0.00	0	70.2	70.2	70.2	
11PM-MID	921	0.0	OFF	921	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	0.0075
MAIN ROUTE WITH WORKS	0.0033
'DIVERSION'	0.0058
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$143,121
CONGESTED HOURS PER DAY*	10

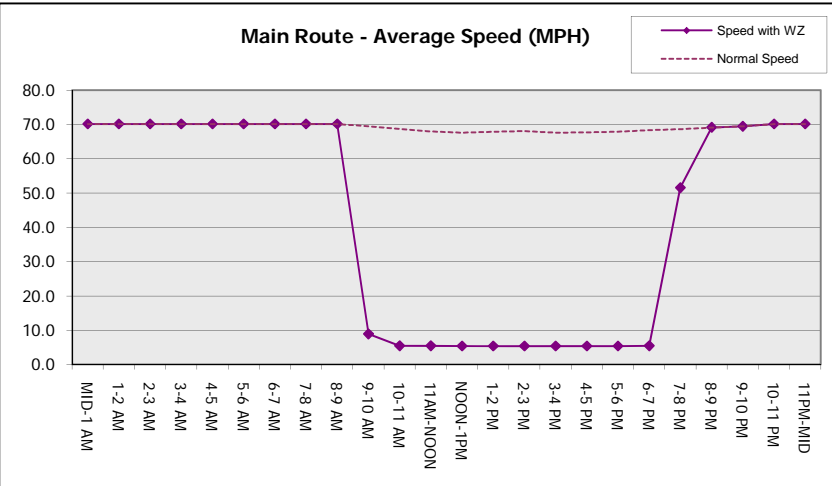
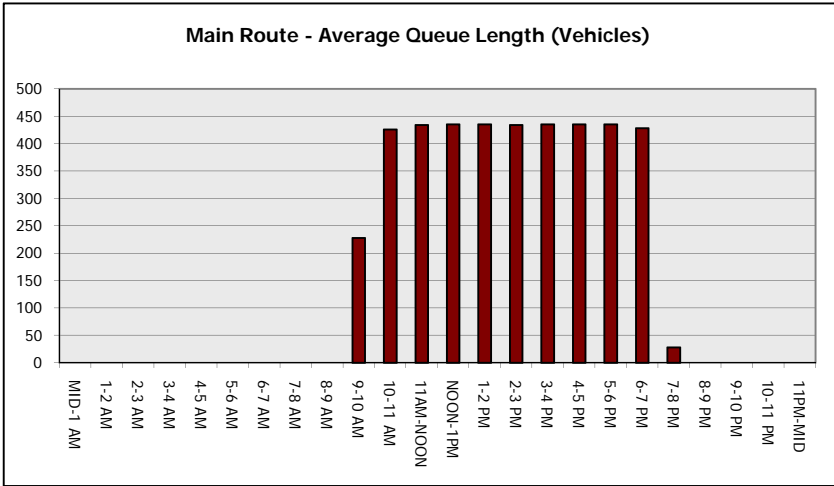
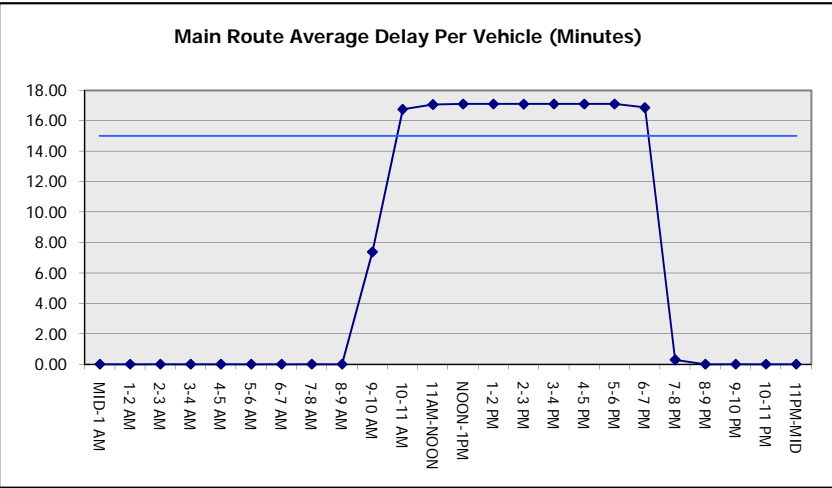
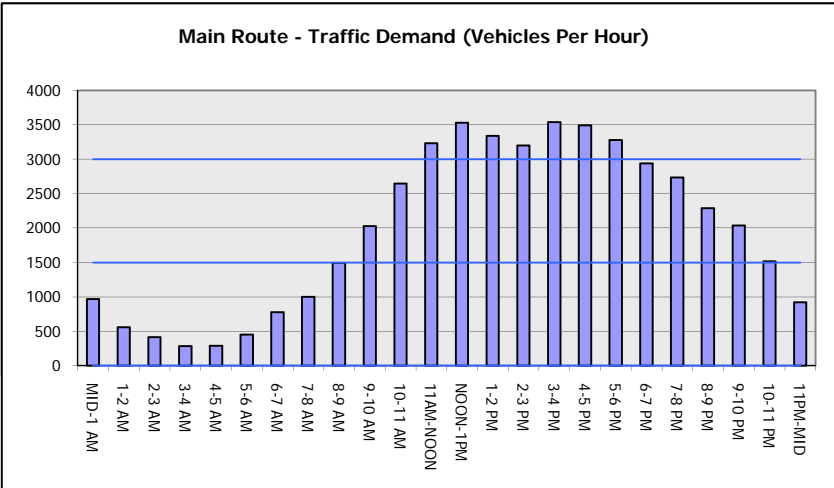
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	867	0.0	OFF	867	0	0.00	0	70.2	70.2	70.2
1-2 AM	618	0.0	OFF	618	0	0.00	0	70.2	70.2	70.2
2-3 AM	630	0.0	OFF	630	0	0.00	0	70.2	70.2	70.2
3-4 AM	449	0.0	OFF	449	0	0.00	0	70.2	70.2	70.2
4-5 AM	429	0.0	OFF	429	0	0.00	0	70.2	70.2	70.2
5-6 AM	682	0.0	OFF	682	0	0.00	0	70.2	70.2	70.2
6-7 AM	935	0.0	OFF	935	0	0.00	0	70.2	70.2	70.2
7-8 AM	1162	0.0	OFF	1162	0	0.00	0	70.2	70.2	70.2
8-9 AM	1638	0.0	OFF	1638	0	0.00	0	70.0	70.0	70.0
9-10 AM	2424	0.0	1499	1893	532	11.36+	306	69.1	6.6	32.5
10-11 AM	2948	0.0	1500	1529	1419	16.85+	428	68.4	5.4	32.5
11AM-NOON	3469	0.0	1499	1500	1969	17.11+	435	67.8	5.3	32.5
NOON-1PM	3879	0.0	1500	1500	2379	17.07+	435	65.6	5.3	32.5
1-2 PM	3923	0.0	1500	1500	2423	17.06+	435	65.3	5.3	32.5
2-3 PM	3981	0.0	1500	1500	2481	17.05+	435	65.0	5.3	32.5
3-4 PM	3938	0.0	1500	1500	2438	17.06+	435	65.3	5.3	32.5
4-5 PM	4059	0.0	1500	1500	2559	17.04+	435	64.5	5.3	32.5
5-6 PM	3607	0.0	1500	1500	2107	17.11+	435	67.5	5.3	32.5
6-7 PM	3129	0.0	1500	1506	1623	17.00+	432	68.1	5.4	32.5
7-8 PM	2729	0.0	OFF	2729	0	0.29	28	68.6	51.7	51.7
8-9 PM	2332	0.0	OFF	2332	0	0.00	0	69.1	69.1	69.1
9-10 PM	1852	0.0	OFF	1852	0	0.00	0	69.7	69.7	69.7
10-11 PM	1396	0.0	OFF	1396	0	0.00	0	70.2	70.2	70.2
11PM-MID	854	0.0	OFF	854	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	0.0083
MAIN ROUTE WITH WORKS	0.0034
'DIVERSION'	0.0073

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$164,255
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

