

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)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	816	0.0	OFF	816	0	0.00	0	70.2	70.2	70.2	
1-2 AM	487	0.0	OFF	487	0	0.00	0	70.2	70.2	70.2	
2-3 AM	427	0.0	OFF	427	0	0.00	0	70.2	70.2	70.2	
3-4 AM	484	0.0	OFF	484	0	0.00	0	70.2	70.2	70.2	
4-5 AM	766	0.0	OFF	766	0	0.00	0	70.2	70.2	70.2	
5-6 AM	2080	0.0	OFF	2080	0	0.00	0	69.4	69.4	69.4	
6-7 AM	4074	0.0	OFF	4074	0	0.00	0	64.3	64.3	64.3	
7-8 AM	4645	0.0	OFF	4645	0	0.00	0	60.4	60.4	60.4	
8-9 AM	3875	0.0	OFF	3875	0	0.00	0	65.7	65.7	65.7	
9-10 AM	3311	0.0	OFF	3311	0	0.00	0	67.9	67.9	67.9	
10-11 AM	3388	0.0	1499	1589	1799	17.21+	441	67.8	5.4	38.9	
11AM-NOON	3468	0.0	1499	1795	1673	15.35+	402	67.8	5.7	36.3	
NOON-1PM	3382	0.0	1499	1517	1864	17.03+	433	67.8	5.4	32.5	
1-2 PM	3324	0.0	1500	1510	1813	17.06+	434	67.9	5.4	32.5	
2-3 PM	3880	0.0	1500	1500	2380	17.07+	435	65.6	5.3	32.5	
3-4 PM	4166	0.0	OFF	4166	0	0.50	46	63.7	41.5	41.5	
4-5 PM	4037	0.0	OFF	4037	0	0.00	0	64.6	64.6	64.6	
5-6 PM	3785	0.0	OFF	3785	0	0.00	0	66.3	66.3	66.3	
6-7 PM	3126	0.0	OFF	3126	0	0.00	0	68.1	68.1	68.1	
7-8 PM	2486	0.0	OFF	2486	0	0.00	0	68.9	68.9	68.9	
8-9 PM	2075	0.0	OFF	2075	0	0.00	0	69.4	69.4	69.4	
9-10 PM	2033	0.0	OFF	2033	0	0.00	0	69.5	69.5	69.5	
10-11 PM	1692	0.0	OFF	1692	0	0.00	0	69.9	69.9	69.9	
11PM-MID	1291	0.0	OFF	1291	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

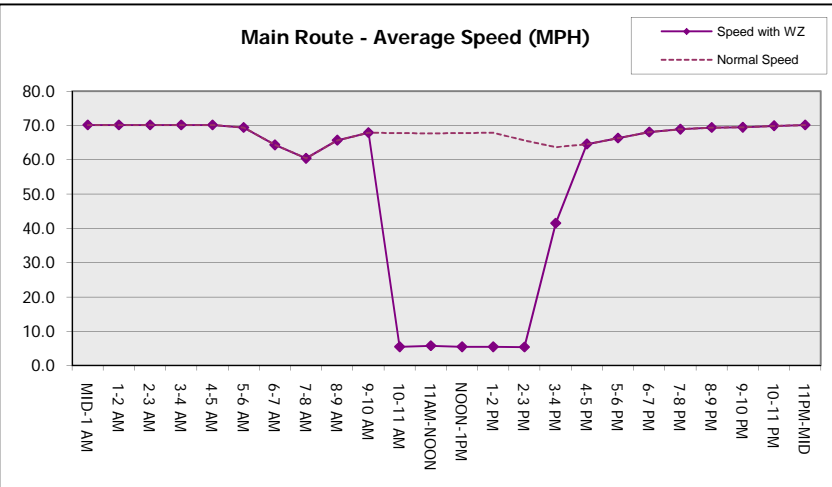
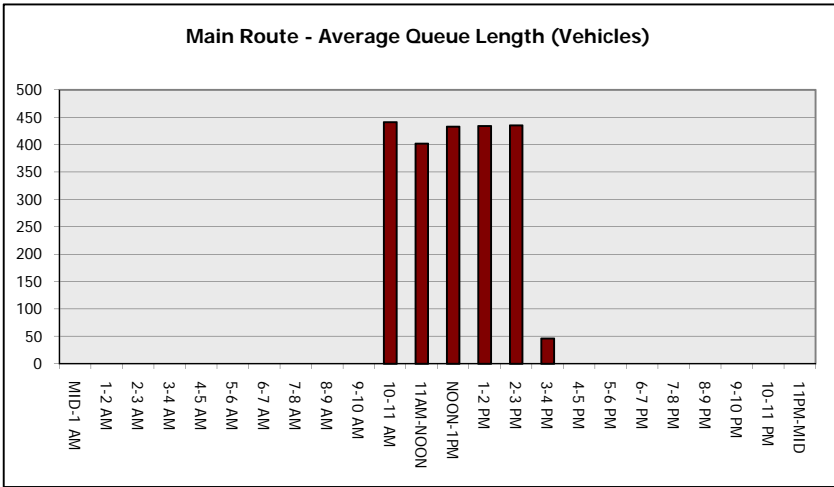
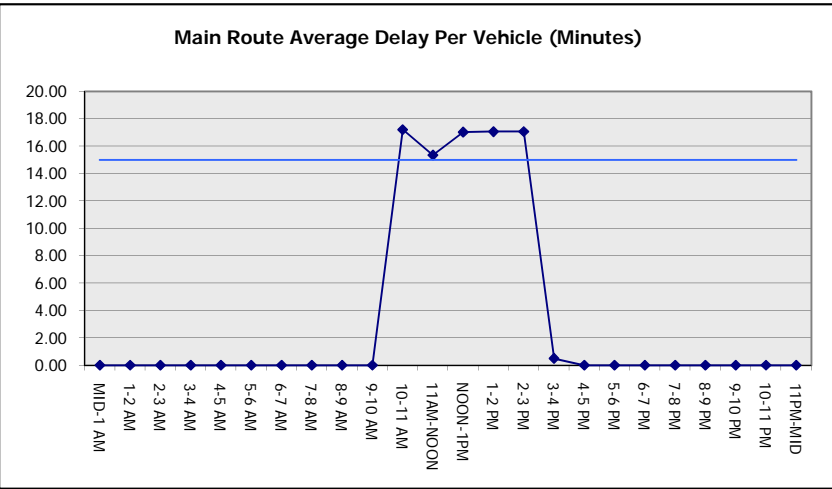
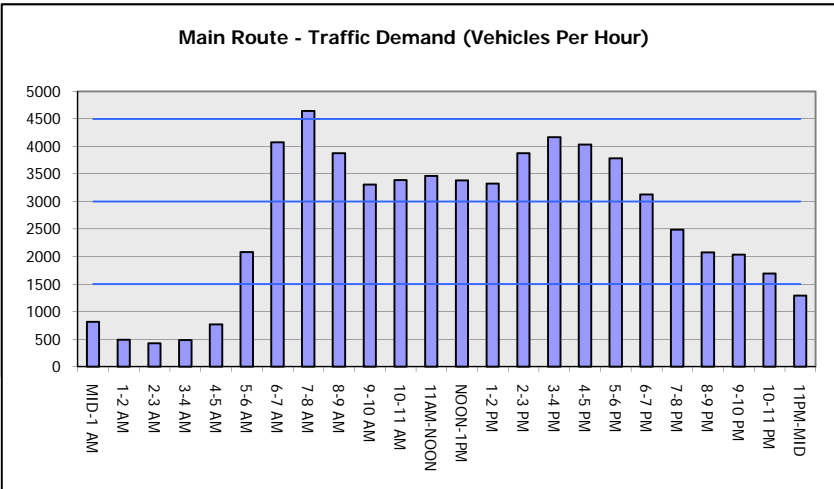
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0100
MAIN ROUTE WITH WORKS	0.0077
'DIVERSION'	0.0035
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$64,388
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	727	0.0	OFF	727	0	0.00	0	70.2	70.2	70.2
1-2 AM	479	0.0	OFF	479	0	0.00	0	70.2	70.2	70.2
2-3 AM	446	0.0	OFF	446	0	0.00	0	70.2	70.2	70.2
3-4 AM	537	0.0	OFF	537	0	0.00	0	70.2	70.2	70.2
4-5 AM	1132	0.0	OFF	1132	0	0.00	0	70.2	70.2	70.2
5-6 AM	2459	0.0	OFF	2459	0	0.00	0	69.0	69.0	69.0
6-7 AM	3516	0.0	OFF	3516	0	0.00	0	67.7	67.7	67.7
7-8 AM	3612	0.0	OFF	3612	0	0.00	0	67.5	67.5	67.5
8-9 AM	3323	0.0	OFF	3323	0	0.00	0	67.9	67.9	67.9
9-10 AM	3221	0.0	OFF	3221	0	0.00	0	68.1	68.1	68.1
10-11 AM	3033	0.0	1499	1604	1428	15.98+	409	68.2	5.5	38.8
11AM-NOON	3213	0.0	1499	1796	1416	15.32+	400	68.1	5.7	35.7
NOON-1PM	3449	0.0	1499	1503	1946	17.10+	435	67.8	5.3	32.5
1-2 PM	3473	0.0	1500	1504	1970	17.09+	435	67.8	5.3	32.5
2-3 PM	4200	0.0	1500	1500	2700	17.01+	435	63.5	5.3	32.5
3-4 PM	4583	0.0	OFF	4583	0	0.63	58	60.9	37.1	37.1
4-5 PM	4997	0.0	OFF	4997	0	0.00	0	58.0	58.0	58.0
5-6 PM	4961	0.0	OFF	4961	0	0.00	0	58.2	58.2	58.2
6-7 PM	3799	0.0	OFF	3799	0	0.00	0	66.2	66.2	66.2
7-8 PM	2747	0.0	OFF	2747	0	0.00	0	68.6	68.6	68.6
8-9 PM	2358	0.0	OFF	2358	0	0.00	0	69.1	69.1	69.1
9-10 PM	2197	0.0	OFF	2197	0	0.00	0	69.3	69.3	69.3
10-11 PM	1803	0.0	OFF	1803	0	0.00	0	69.8	69.8	69.8
11PM-MID	1263	0.0	OFF	1263	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

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

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

MAIN ROUTE WITHOUT WORKS	0.0104
MAIN ROUTE WITH WORKS	0.0081
'DIVERSION'	0.0035

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$63,555
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

