

IH 94: CTH BB/RAWSON AVE TO STH 100/RYAN RD (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	859	0.0	1500	859	0	0.48	0	70.2	59.2	45.4	
1-2 AM	544	0.0	1500	544	0	0.44	0	70.2	59.9	46.7	
2-3 AM	446	0.0	1500	446	0	0.42	0	70.2	60.2	47.1	
3-4 AM	373	0.0	1500	373	0	0.42	0	70.2	60.4	47.5	
4-5 AM	443	0.0	1500	443	0	0.42	0	70.2	60.2	47.2	
5-6 AM	806	0.0	1500	806	0	0.47	0	70.2	59.3	45.6	
6-7 AM	1294	0.0	1499	1294	0	0.73	0	70.2	54.6	38.3	
7-8 AM	1746	0.0	1499	1746	0	3.85	95	69.9	28.0	32.5	
8-9 AM	2176	0.0	OFF	2176	0	0.09	7	69.3	67.0	67.0	
9-10 AM	1737	0.0	OFF	1737	0	0.00	0	69.9	69.9	69.9	
10-11 AM	2255	0.0	OFF	2255	0	0.00	0	69.2	69.2	69.2	
11AM-NOON	3091	0.0	OFF	3091	0	0.00	0	68.2	68.2	68.2	
NOON-1PM	3111	0.0	OFF	3111	0	0.00	0	68.2	68.2	68.2	
1-2 PM	3010	0.0	OFF	3010	0	0.00	0	68.3	68.3	68.3	
2-3 PM	3299	0.0	OFF	3299	0	0.00	0	67.9	67.9	67.9	
3-4 PM	3326	0.0	OFF	3326	0	0.00	0	67.9	67.9	67.9	
4-5 PM	3241	0.0	OFF	3241	0	0.00	0	68.0	68.0	68.0	
5-6 PM	3021	0.0	OFF	3021	0	0.00	0	68.3	68.3	68.3	
6-7 PM	2690	0.0	1499	1671	1019	14.02+	357	68.7	10.8	38.1	
7-8 PM	1690	0.0	1499	1690	0	12.20	301	69.9	12.2	32.5	
8-9 PM	1565	0.0	1499	1533	32	15.73+	385	70.1	9.8	32.5	
9-10 PM	1822	0.0	1499	1500	322	16.29+	400	69.8	9.6	32.5	
10-11 PM	1529	0.0	1500	1471	58	15.89+	389	70.1	9.7	32.5	
11PM-MID	1120	0.0	1499	1120	0	6.28	195	70.2	20.4	36.8	

"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

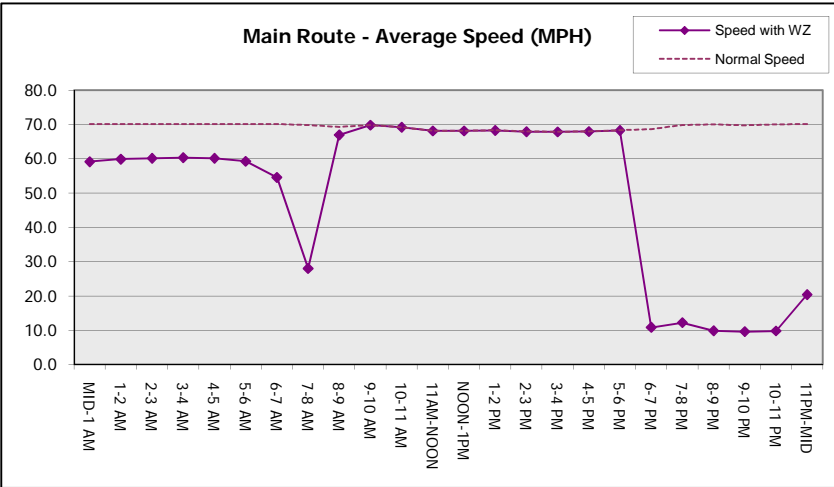
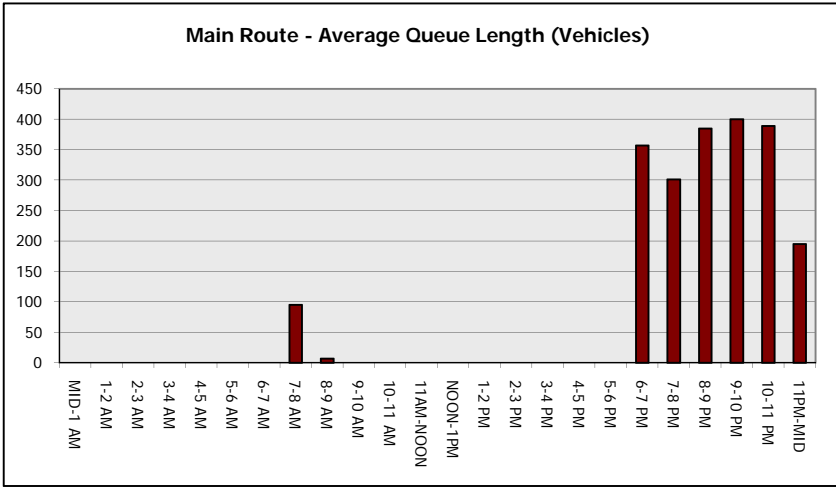
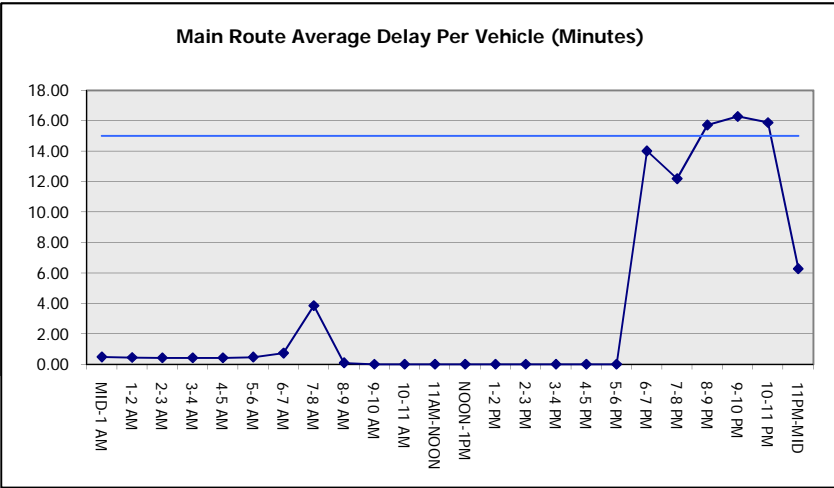
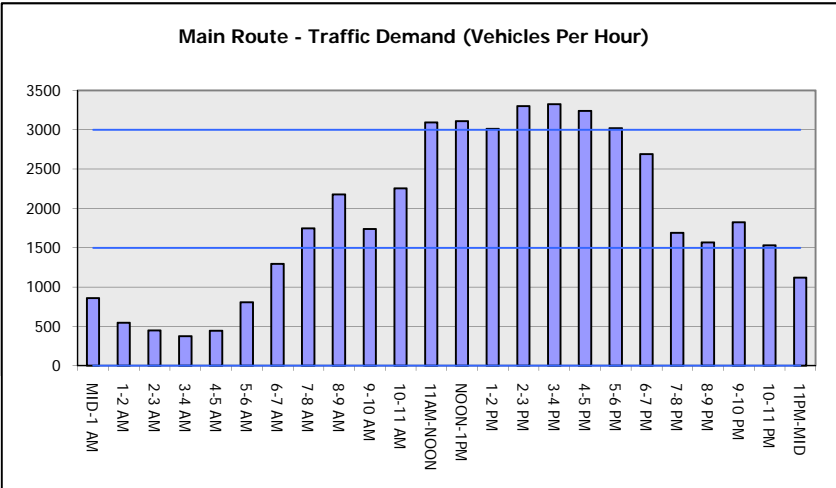
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0216
MAIN ROUTE WITH WORKS	0.0199
'DIVERSION'	0.0016
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$39,773
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: CTH BB/RAWSON AVE TO STH 100/Ryan RD (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	811	0.0	1500	811	0	0.66	8	70.2	55.8	45.5
1-2 AM	578	0.0	1500	578	0	0.44	0	70.2	59.9	46.6
2-3 AM	558	0.0	1500	558	0	0.44	0	70.2	59.9	46.6
3-4 AM	454	0.0	1500	454	0	0.43	0	70.2	60.2	47.1
4-5 AM	637	0.0	1500	637	0	0.45	0	70.2	59.7	46.3
5-6 AM	1178	0.0	1500	1178	0	0.59	0	70.2	57.1	41.9
6-7 AM	1323	0.0	1499	1323	0	0.78	0	70.2	53.8	37.1
7-8 AM	1571	0.0	1499	1571	0	1.63	20	70.1	42.9	32.7
8-9 AM	2057	0.0	OFF	2057	0	0.01	0	69.5	69.2	69.2
9-10 AM	1746	0.0	OFF	1746	0	0.00	0	69.9	69.9	69.9
10-11 AM	2338	0.0	OFF	2338	0	0.00	0	69.1	69.1	69.1
11AM-NOON	3140	0.0	OFF	3140	0	0.00	0	68.1	68.1	68.1
NOON-1PM	3306	0.0	OFF	3306	0	0.00	0	67.9	67.9	67.9
1-2 PM	3205	0.0	OFF	3205	0	0.00	0	68.1	68.1	68.1
2-3 PM	3262	0.0	OFF	3262	0	0.00	0	68.0	68.0	68.0
3-4 PM	3155	0.0	OFF	3155	0	0.00	0	68.1	68.1	68.1
4-5 PM	3019	0.0	OFF	3019	0	0.00	0	68.3	68.3	68.3
5-6 PM	2847	0.0	OFF	2847	0	0.00	0	68.5	68.5	68.5
6-7 PM	2437	0.0	1499	1860	577	12.97+	323	69.0	11.6	35.0
7-8 PM	1604	0.0	1499	1528	76	15.95+	390	70.0	9.7	32.5
8-9 PM	1582	0.0	1500	1514	68	16.20+	397	70.0	9.6	32.5
9-10 PM	2035	0.0	1500	1500	535	16.28+	400	69.5	9.6	32.5
10-11 PM	1594	0.0	1499	1493	100	16.27+	399	70.0	9.6	32.5
11PM-MID	1203	0.0	1499	1203	0	10.44	271	70.2	13.8	34.3

"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	0.0218
MAIN ROUTE WITH WORKS	0.0201
'DIVERSION'	0.0015

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,558
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

