

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

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	605	0.0	1500	605	0	0.44	0	70.2	59.8	46.5	
1-2 AM	347	0.0	1500	347	0	0.41	0	70.2	60.4	47.6	
2-3 AM	322	0.0	1500	322	0	0.41	0	70.2	60.5	47.7	
3-4 AM	400	0.0	1500	400	0	0.42	0	70.2	60.3	47.4	
4-5 AM	614	0.0	1500	614	0	0.45	0	70.2	59.8	46.4	
5-6 AM	1805	0.0	OFF	1805	0	0.00	0	69.8	69.8	69.8	
6-7 AM	3451	0.0	OFF	3451	0	0.00	0	67.8	67.8	67.8	
7-8 AM	3932	0.0	OFF	3932	0	0.00	0	65.3	65.3	65.3	
8-9 AM	3172	0.0	OFF	3172	0	0.00	0	68.1	68.1	68.1	
9-10 AM	2443	0.0	OFF	2443	0	0.00	0	69.0	69.0	69.0	
10-11 AM	2578	0.0	OFF	2578	0	0.00	0	68.8	68.8	68.8	
11AM-NOON	2587	0.0	OFF	2587	0	0.00	0	68.8	68.8	68.8	
NOON-1PM	2692	0.0	OFF	2692	0	0.00	0	68.7	68.7	68.7	
1-2 PM	2743	0.0	OFF	2743	0	0.00	0	68.6	68.6	68.6	
2-3 PM	3219	0.0	OFF	3219	0	0.00	0	68.1	68.1	68.1	
3-4 PM	3466	0.0	OFF	3466	0	0.00	0	67.8	67.8	67.8	
4-5 PM	3287	0.0	OFF	3287	0	0.00	0	67.9	67.9	67.9	
5-6 PM	3272	0.0	OFF	3272	0	0.00	0	68.0	68.0	68.0	
6-7 PM	2534	0.0	OFF	2534	0	0.00	0	68.9	68.9	68.9	
7-8 PM	2086	0.0	1499	1847	238	10.56+	284	69.4	13.7	32.5	
8-9 PM	1760	0.0	1500	1535	226	16.13+	395	69.9	9.6	32.4	
9-10 PM	1740	0.0	1500	1500	240	16.29+	400	69.9	9.6	32.5	
10-11 PM	1328	0.0	1500	1328	0	13.06	321	70.2	11.5	32.5	
11PM-MID	929	0.0	1500	929	0	1.44	45	70.2	45.0	43.8	

"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 (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	0.0245
MAIN ROUTE WITH WORKS	0.0235
'DIVERSION'	0.0008
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$23,075
CONGESTED HOURS PER DAY*	3

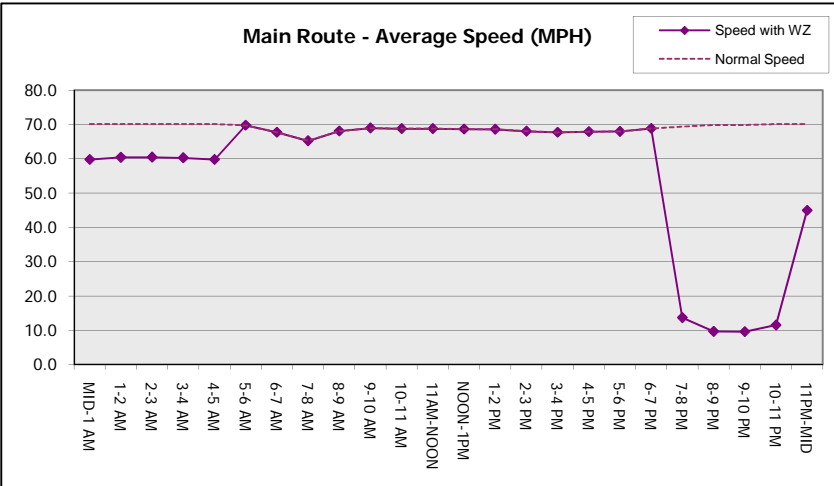
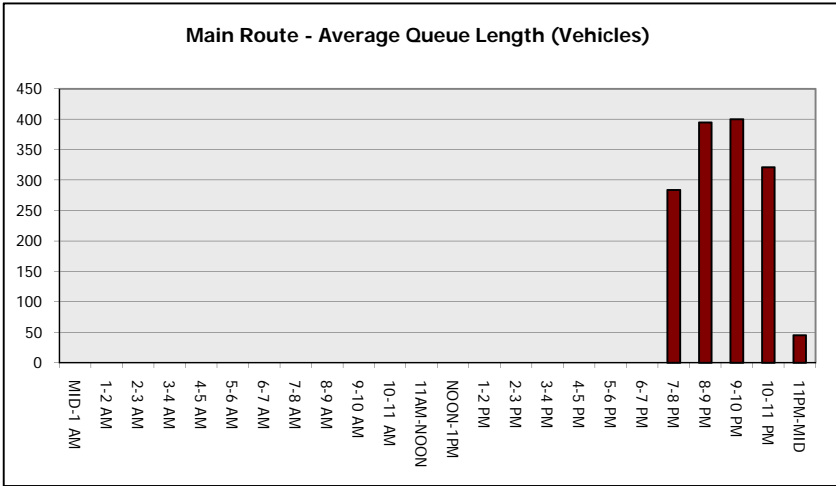
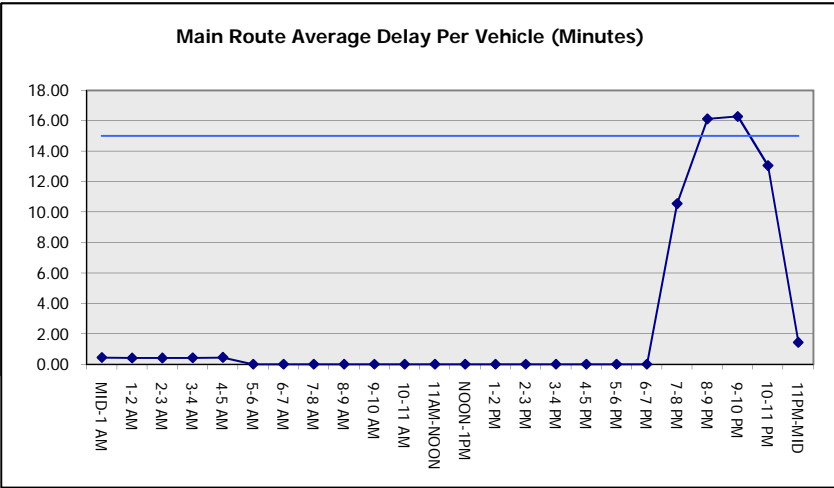
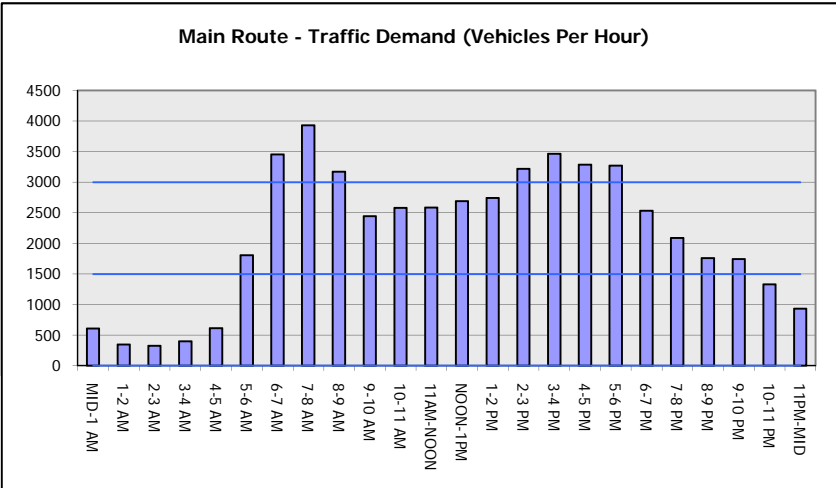
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



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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	529	0.0	1500	529	0	0.44	0	70.2	60.0	46.8
1-2 AM	366	0.0	1500	366	0	0.42	0	70.2	60.4	47.5
2-3 AM	369	0.0	1500	369	0	0.42	0	70.2	60.4	47.5
3-4 AM	476	0.0	1500	476	0	0.43	0	70.2	60.1	47.0
4-5 AM	930	0.0	1499	930	0	0.49	0	70.2	58.8	44.8
5-6 AM	2125	0.0	OFF	2125	0	0.00	0	69.4	69.4	69.4
6-7 AM	3220	0.0	OFF	3220	0	0.00	0	68.1	68.1	68.1
7-8 AM	3121	0.0	OFF	3121	0	0.00	0	68.2	68.2	68.2
8-9 AM	2814	0.0	OFF	2814	0	0.00	0	68.6	68.6	68.6
9-10 AM	2416	0.0	OFF	2416	0	0.00	0	69.1	69.1	69.1
10-11 AM	2475	0.0	OFF	2475	0	0.00	0	69.0	69.0	69.0
11AM-NOON	2668	0.0	OFF	2668	0	0.00	0	68.7	68.7	68.7
NOON-1PM	2907	0.0	OFF	2907	0	0.00	0	68.4	68.4	68.4
1-2 PM	3049	0.0	OFF	3049	0	0.00	0	68.2	68.2	68.2
2-3 PM	3599	0.0	OFF	3599	0	0.00	0	67.6	67.6	67.6
3-4 PM	3804	0.0	OFF	3804	0	0.00	0	66.2	66.2	66.2
4-5 PM	4165	0.0	OFF	4165	0	0.00	0	63.7	63.7	63.7
5-6 PM	4316	0.0	OFF	4316	0	0.00	0	62.7	62.7	62.7
6-7 PM	3053	0.0	OFF	3053	0	0.00	0	68.2	68.2	68.2
7-8 PM	2259	0.0	1499	1948	311	12.18+	311	69.2	12.2	32.5
8-9 PM	1956	0.0	1500	1485	471	16.22+	398	69.6	9.6	32.5
9-10 PM	1808	0.0	1499	1486	322	16.23+	398	69.8	9.6	32.5
10-11 PM	1418	0.0	1499	1373	45	14.93+	366	70.2	10.3	32.5
11PM-MID	909	0.0	1499	909	0	2.13	87	70.2	38.3	42.4

"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	0.0262
MAIN ROUTE WITH WORKS	0.0249
'DIVERSION'	0.0013

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$26,466
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

