

IH 94: CTH BB/RAWSON AVE TO STH 100/Ryan RD (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	849	0.0	OFF	849	0	0.00	0	70.2	70.2	70.2	
1-2 AM	491	0.0	OFF	491	0	0.00	0	70.2	70.2	70.2	
2-3 AM	362	0.0	OFF	362	0	0.00	0	70.2	70.2	70.2	
3-4 AM	249	0.0	OFF	249	0	0.00	0	70.2	70.2	70.2	
4-5 AM	253	0.0	OFF	253	0	0.00	0	70.2	70.2	70.2	
5-6 AM	397	0.0	OFF	397	0	0.00	0	70.2	70.2	70.2	
6-7 AM	681	0.0	OFF	681	0	0.00	0	70.2	70.2	70.2	
7-8 AM	879	0.0	OFF	879	0	0.00	0	70.2	70.2	70.2	
8-9 AM	1310	0.0	OFF	1310	0	0.00	0	70.2	70.2	70.2	
9-10 AM	1783	0.0	1499	1783	0	4.22	109	69.8	26.5	32.5	
10-11 AM	2324	0.0	1499	1603	721	15.86+	390	69.2	9.7	32.5	
11AM-NOON	2839	0.0	1500	1500	1339	16.24+	400	68.5	9.6	32.5	
NOON-1PM	3101	0.0	1500	1500	1601	16.23+	400	68.2	9.6	32.5	
1-2 PM	2932	0.0	1500	1500	1432	16.24+	400	68.4	9.6	32.5	
2-3 PM	2811	0.0	1500	1500	1311	16.24+	400	68.6	9.6	32.5	
3-4 PM	3108	0.0	1500	1500	1608	16.23+	400	68.2	9.6	32.5	
4-5 PM	3069	0.0	1500	1500	1569	16.23+	400	68.2	9.6	32.5	
5-6 PM	2880	0.0	1500	1500	1380	16.24+	400	68.4	9.6	32.5	
6-7 PM	2582	0.0	1500	1500	1082	16.25+	400	68.8	9.6	32.5	
7-8 PM	2404	0.0	OFF	2404	0	0.23	20	69.1	63.5	63.5	
8-9 PM	2008	0.0	OFF	2008	0	0.00	0	69.6	69.6	69.6	
9-10 PM	1790	0.0	OFF	1790	0	0.00	0	69.8	69.8	69.8	
10-11 PM	1332	0.0	OFF	1332	0	0.00	0	70.2	70.2	70.2	
11PM-MID	809	0.0	OFF	809	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	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

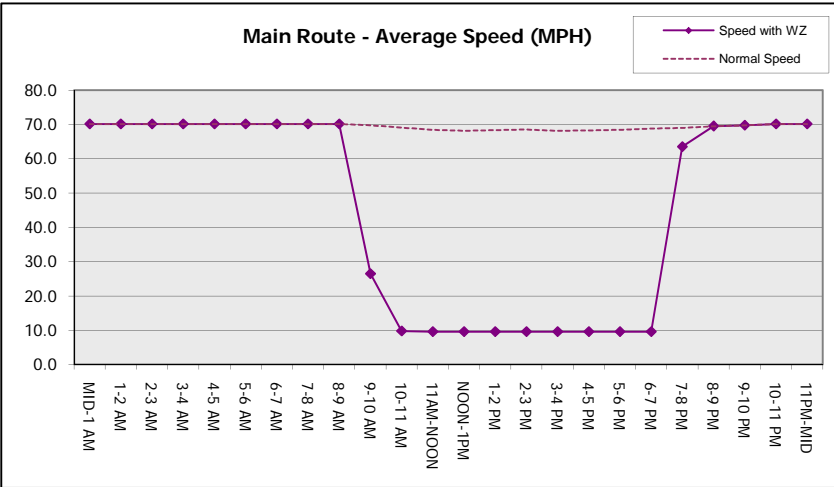
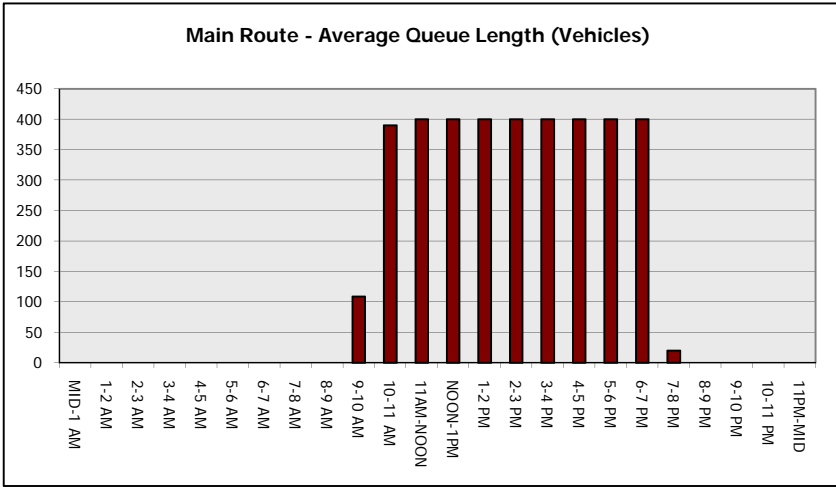
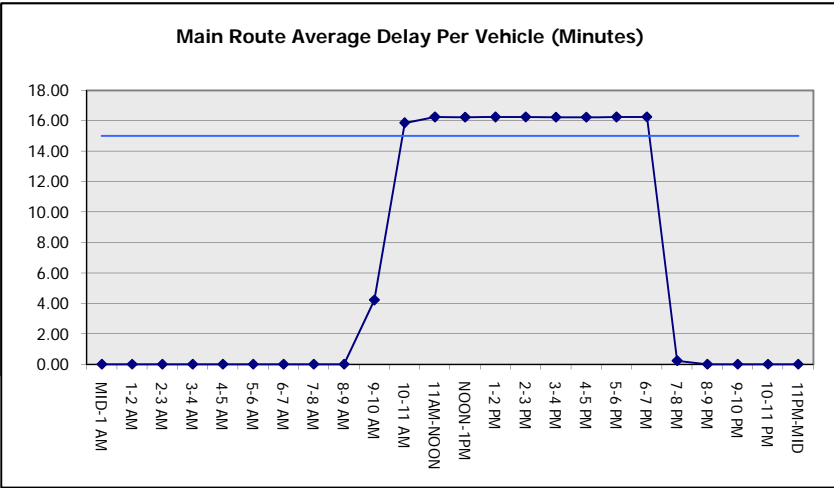
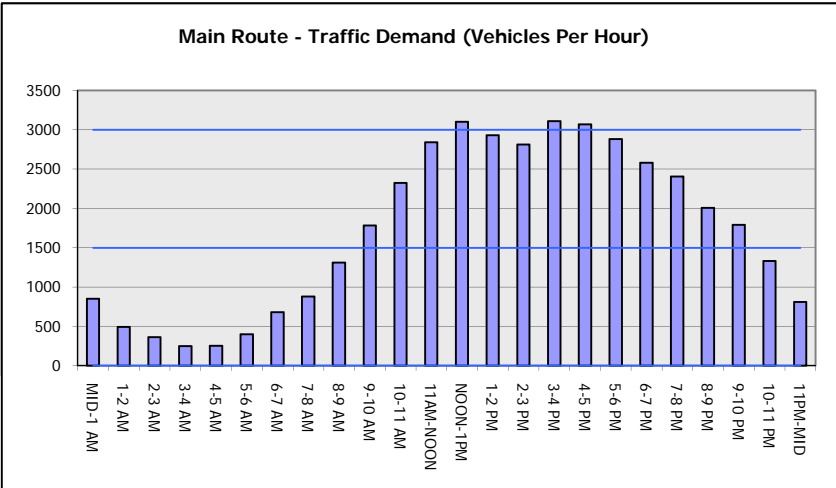
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0197
MAIN ROUTE WITH WORKS	0.0129
'DIVERSION'	0.0133
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$117,637
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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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	761	0.0	OFF	761	0	0.00	0	70.2	70.2	70.2
1-2 AM	543	0.0	OFF	543	0	0.00	0	70.2	70.2	70.2
2-3 AM	553	0.0	OFF	553	0	0.00	0	70.2	70.2	70.2
3-4 AM	394	0.0	OFF	394	0	0.00	0	70.2	70.2	70.2
4-5 AM	377	0.0	OFF	377	0	0.00	0	70.2	70.2	70.2
5-6 AM	599	0.0	OFF	599	0	0.00	0	70.2	70.2	70.2
6-7 AM	821	0.0	OFF	821	0	0.00	0	70.2	70.2	70.2
7-8 AM	1021	0.0	OFF	1021	0	0.00	0	70.2	70.2	70.2
8-9 AM	1438	0.0	OFF	1438	0	0.00	0	70.2	70.2	70.2
9-10 AM	2129	0.0	1499	1932	196	8.60+	245	69.4	16.1	32.5
10-11 AM	2589	0.0	1500	1500	1089	16.25+	400	68.8	9.6	32.5
11AM-NOON	3046	0.0	1500	1500	1546	16.23+	400	68.2	9.6	32.5
NOON-1PM	3405	0.0	1500	1500	1905	16.22+	400	67.8	9.6	32.5
1-2 PM	3444	0.0	1500	1500	1944	16.21+	400	67.8	9.6	32.5
2-3 PM	3495	0.0	1500	1500	1995	16.21+	400	67.7	9.6	32.5
3-4 PM	3459	0.0	1500	1500	1959	16.21+	400	67.8	9.6	32.5
4-5 PM	3564	0.0	1500	1500	2064	16.21+	400	67.6	9.6	32.5
5-6 PM	3168	0.0	1500	1500	1668	16.23+	400	68.1	9.6	32.5
6-7 PM	2748	0.0	1500	1500	1248	16.25+	400	68.6	9.6	32.5
7-8 PM	2395	0.0	OFF	2395	0	0.28	25	69.1	62.3	62.3
8-9 PM	2048	0.0	OFF	2048	0	0.00	0	69.5	69.5	69.5
9-10 PM	1627	0.0	OFF	1627	0	0.00	0	70.0	70.0	70.0
10-11 PM	1226	0.0	OFF	1226	0	0.00	0	70.2	70.2	70.2
11PM-MID	750	0.0	OFF	750	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	0.0218
MAIN ROUTE WITH WORKS	0.0133
'DIVERSION'	0.0173

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$135,547
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

