

IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	629	0.0	3000	629	0	0.36	0	70.2	67.4	49.7
1-2 AM	419	0.0	3000	419	0	0.36	0	70.2	67.4	49.7
2-3 AM	442	0.0	3000	442	0	0.36	0	70.2	67.4	49.7
3-4 AM	466	0.0	3000	466	0	0.36	0	70.2	67.4	49.7
4-5 AM	787	0.0	3000	787	0	0.36	0	70.2	67.4	49.7
5-6 AM	1877	0.0	2999	1877	0	0.35	0	69.7	67.1	49.7
6-7 AM	3144	0.0	2999	3144	0	1.45	42	68.1	58.9	37.3
7-8 AM	3468	0.0	3000	3468	0	8.02	418	67.8	36.2	36.9
8-9 AM	2727	0.0	2999	2727	0	10.23	524	68.6	32.3	36.9
9-10 AM	2759	0.0	3000	2759	0	5.11	243	68.6	43.9	36.9
10-11 AM	2799	0.0	3000	2799	0	1.26	34	68.6	60.2	39.1
11AM-NOON	2949	0.0	2999	2949	0	0.73	0	68.4	63.3	37.6
NOON-1PM	3123	0.0	2999	3123	0	1.60	48	68.2	58.0	36.9
1-2 PM	3378	0.0	3000	3378	0	5.87	294	67.8	41.4	36.9
2-3 PM	3685	0.0	3000	3316	370	13.75+	729	67.0	27.0	36.9
3-4 PM	3810	0.0	3000	3000	810	15.01+	800	66.1	25.5	36.9
4-5 PM	3988	0.0	3000	3000	988	14.83+	800	64.9	25.5	36.9
5-6 PM	3858	0.0	3000	3000	858	14.96+	800	65.8	25.5	36.9
6-7 PM	3307	0.0	3000	3000	307	15.26+	800	67.9	25.5	36.9
7-8 PM	2727	0.0	2999	2727	0	13.67+	713	68.6	27.4	36.9
8-9 PM	2262	0.0	2999	2262	0	3.77	225	69.2	48.8	44.5
9-10 PM	1804	0.0	3000	1804	0	0.35	0	69.8	67.1	49.7
10-11 PM	1422	0.0	3000	1422	0	0.36	0	70.2	67.4	49.7
11PM-MID	960	0.0	3000	960	0	0.36	0	70.2	67.4	49.7

+ 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

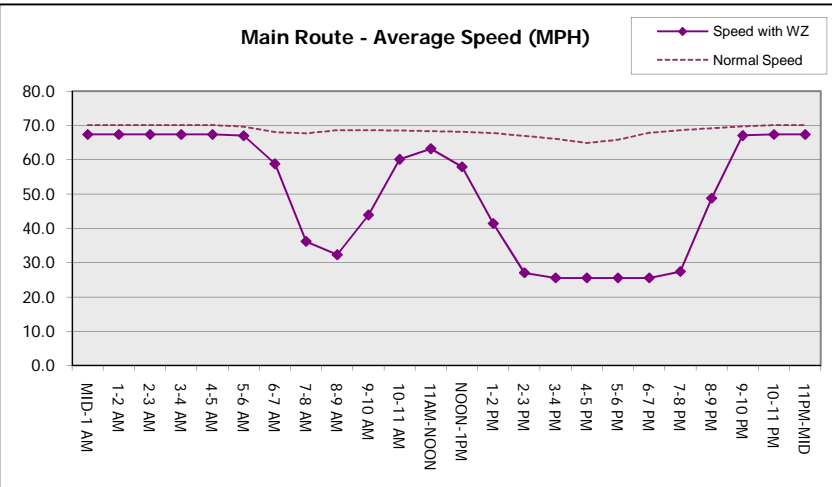
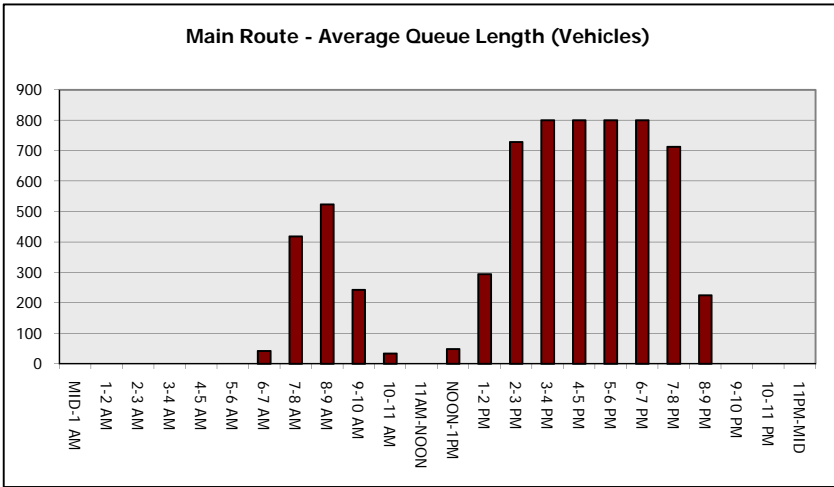
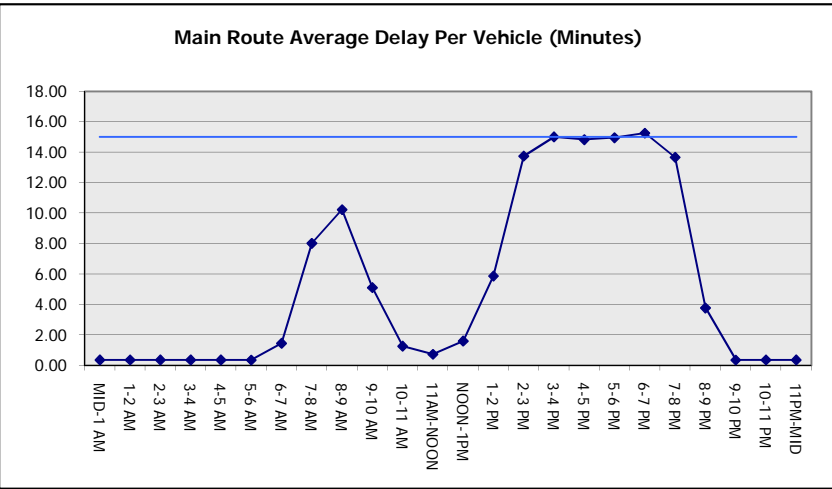
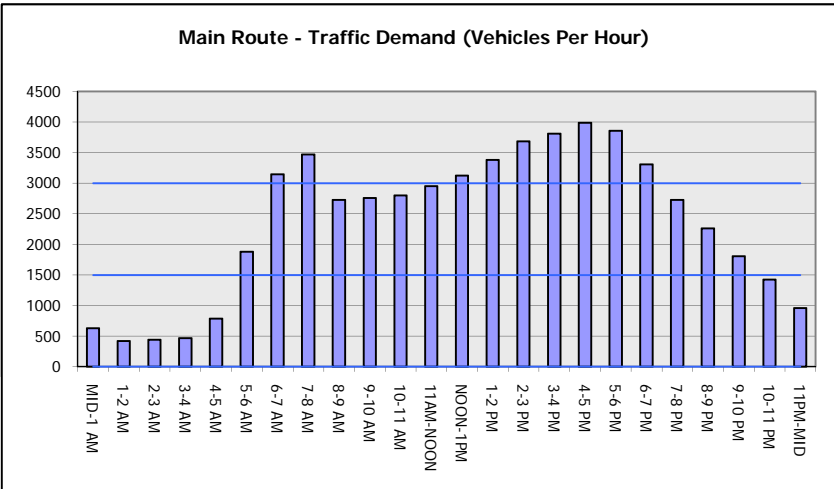
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0940
MAIN ROUTE WITH WORKS	0.0850
'DIVERSION'	0.0128
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$96,349
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	617	0.0	3000	617	0	0.36	0	70.2	67.4	49.7
1-2 AM	478	0.0	3000	478	0	0.36	0	70.2	67.4	49.7
2-3 AM	435	0.0	3000	435	0	0.36	0	70.2	67.4	49.7
3-4 AM	486	0.0	3000	486	0	0.36	0	70.2	67.4	49.7
4-5 AM	764	0.0	3000	764	0	0.36	0	70.2	67.4	49.7
5-6 AM	1292	0.0	3000	1292	0	0.36	0	70.2	67.4	49.7
6-7 AM	2258	0.0	3000	2258	0	0.35	0	69.2	66.6	49.7
7-8 AM	2790	0.0	3000	2790	0	0.63	0	68.6	64.1	40.3
8-9 AM	2637	0.0	3000	2637	0	0.53	0	68.7	65.0	43.2
9-10 AM	2660	0.0	3000	2660	0	0.54	0	68.7	64.9	42.7
10-11 AM	2715	0.0	3000	2715	0	0.58	0	68.7	64.6	41.7
11AM-NOON	2833	0.0	2999	2833	0	0.65	0	68.5	63.9	39.6
NOON-1PM	2998	0.0	2999	2998	0	0.83	4	68.3	62.6	37.2
1-2 PM	3166	0.0	3000	3166	0	2.30	88	68.1	54.5	36.9
2-3 PM	3459	0.0	3000	3459	0	7.74	402	67.8	36.8	36.9
3-4 PM	3569	0.0	2999	3196	373	14.82+	778	67.6	26.0	36.9
4-5 PM	3743	0.0	3000	3000	743	15.07+	800	66.6	25.5	36.9
5-6 PM	3772	0.0	3000	3000	772	15.04+	799	66.4	25.5	36.9
6-7 PM	2915	0.0	2999	2805	110	14.38+	750	68.4	26.5	36.9
7-8 PM	2269	0.0	2999	2269	0	5.41	321	69.2	43.2	43.2
8-9 PM	1728	0.0	3000	1728	0	0.36	0	69.9	67.2	49.7
9-10 PM	1641	0.0	3000	1641	0	0.36	0	70.0	67.3	49.7
10-11 PM	1537	0.0	3000	1537	0	0.36	0	70.1	67.4	49.7
11PM-MID	1092	0.0	3000	1092	0	0.36	0	70.2	67.4	49.7

+ 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	0.0858
MAIN ROUTE WITH WORKS	0.0792
'DIVERSION'	0.0077

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$60,458
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

