

IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	724	0.0	3000	724	0	0.36	0	70.2	67.4	49.7
1-2 AM	455	0.0	3000	455	0	0.36	0	70.2	67.4	49.7
2-3 AM	316	0.0	3000	316	0	0.36	0	70.2	67.4	49.7
3-4 AM	245	0.0	3000	245	0	0.36	0	70.2	67.4	49.7
4-5 AM	252	0.0	3000	252	0	0.36	0	70.2	67.4	49.7
5-6 AM	361	0.0	3000	361	0	0.36	0	70.2	67.4	49.7
6-7 AM	580	0.0	3000	580	0	0.36	0	70.2	67.4	49.7
7-8 AM	848	0.0	3000	848	0	0.36	0	70.2	67.4	49.7
8-9 AM	1390	0.0	3000	1390	0	0.36	0	70.2	67.4	49.7
9-10 AM	2048	0.0	3000	2048	0	0.35	0	69.5	66.9	49.7
10-11 AM	2778	0.0	2999	2778	0	0.62	0	68.6	64.2	40.7
11AM-NOON	3363	0.0	2999	3363	0	3.52	165	67.9	49.1	36.9
NOON-1PM	3289	0.0	2999	3289	0	9.93	512	67.9	32.7	36.9
1-2 PM	3222	0.0	2999	3125	97	14.47+	757	68.1	26.4	36.9
2-3 PM	3071	0.0	3000	3021	50	15.25+	797	68.2	25.6	36.9
3-4 PM	3003	0.0	3000	3003	0	15.22+	795	68.3	25.6	36.9
4-5 PM	3205	0.0	2999	3000	205	15.27+	800	68.1	25.5	36.9
5-6 PM	2952	0.0	2999	2952	0	15.06+	786	68.4	25.8	36.9
6-7 PM	2899	0.0	3000	2899	0	13.65+	708	68.4	27.4	36.9
7-8 PM	2756	0.0	2999	2756	0	10.70	549	68.6	31.5	36.9
8-9 PM	2273	0.0	2999	2273	0	2.44	135	69.2	54.5	45.3
9-10 PM	1723	0.0	3000	1723	0	0.36	0	69.9	67.2	49.7
10-11 PM	1307	0.0	3000	1307	0	0.36	0	70.2	67.4	49.7
11PM-MID	883	0.0	3000	883	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

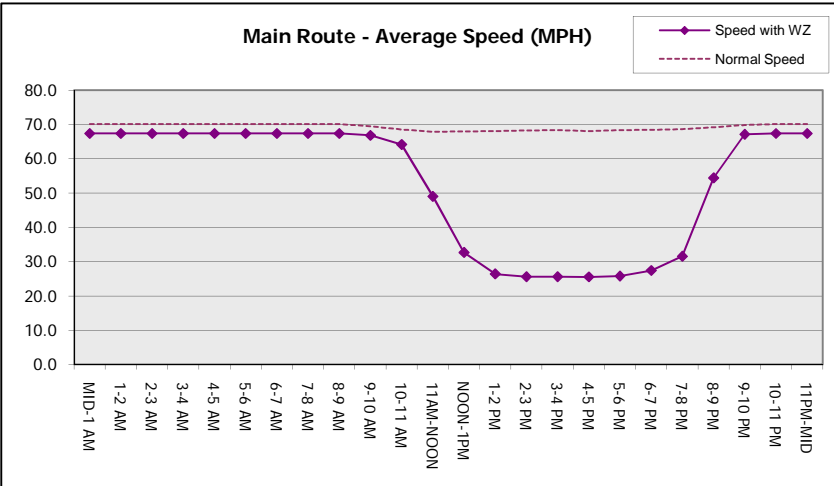
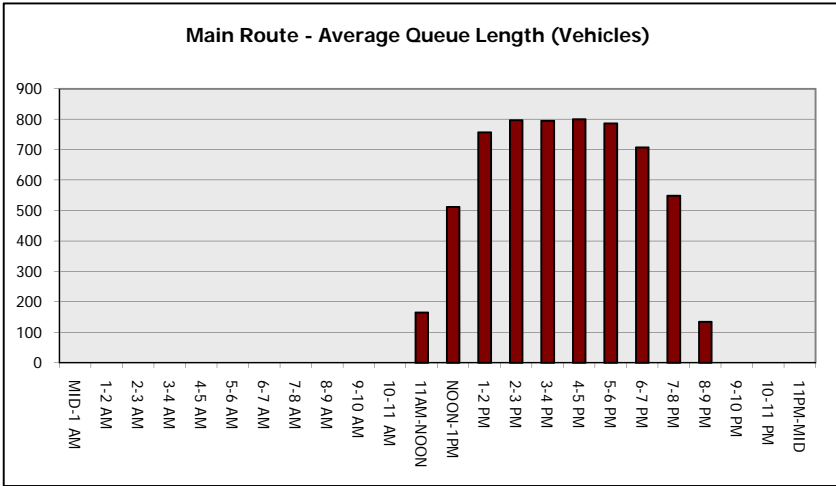
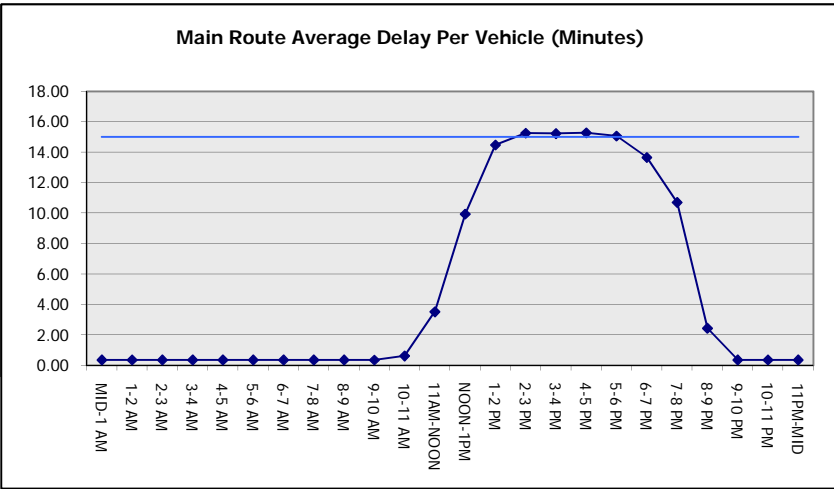
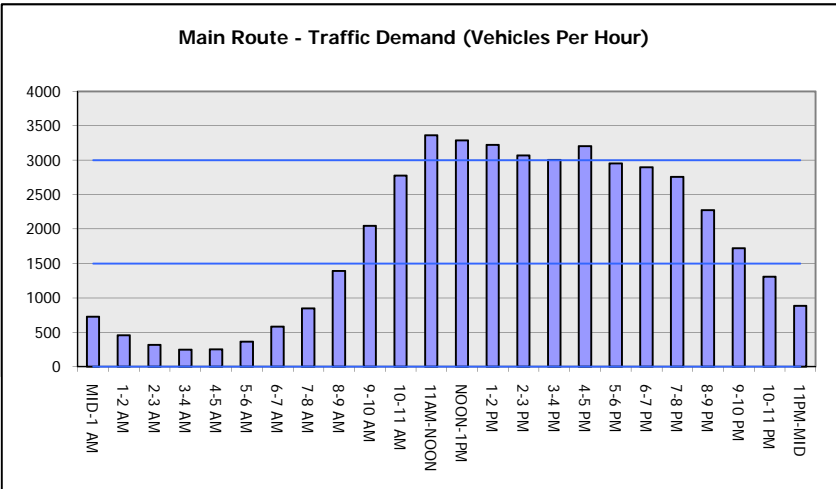
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0727
MAIN ROUTE WITH WORKS	0.0693
'DIVERSION'	0.0013
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$100,387
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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AUGUST
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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)	AUGUST
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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	1026	0.0	3000	1026	0	0.36	0	70.2	67.4	49.7
1-2 AM	662	0.0	3000	662	0	0.36	0	70.2	67.4	49.7
2-3 AM	469	0.0	3000	469	0	0.36	0	70.2	67.4	49.7
3-4 AM	316	0.0	3000	316	0	0.36	0	70.2	67.4	49.7
4-5 AM	302	0.0	3000	302	0	0.36	0	70.2	67.4	49.7
5-6 AM	414	0.0	3000	414	0	0.36	0	70.2	67.4	49.7
6-7 AM	630	0.0	3000	630	0	0.36	0	70.2	67.4	49.7
7-8 AM	912	0.0	3000	912	0	0.36	0	70.2	67.4	49.7
8-9 AM	1440	0.0	3000	1440	0	0.36	0	70.2	67.4	49.7
9-10 AM	2336	0.0	2999	2336	0	0.40	0	69.1	66.1	47.5
10-11 AM	3068	0.0	2999	3068	0	1.24	30	68.2	60.1	37.8
11AM-NOON	3758	0.0	3000	3758	0	8.34	467	66.5	35.2	36.9
NOON-1PM	4180	0.0	2999	3000	1180	14.65+	799	63.6	25.5	36.9
1-2 PM	4305	0.0	3000	3000	1305	14.52+	800	62.7	25.5	36.9
2-3 PM	4365	0.0	3000	3000	1365	14.45+	800	62.3	25.5	36.9
3-4 PM	4340	0.0	3000	3000	1340	14.48+	800	62.5	25.5	36.9
4-5 PM	4223	0.0	3000	3000	1223	14.61+	800	63.3	25.5	36.9
5-6 PM	4165	0.0	3000	3000	1165	14.67+	800	63.7	25.5	36.9
6-7 PM	3386	0.0	2999	2936	450	15.12+	793	67.8	25.6	36.9
7-8 PM	2856	0.0	2999	2827	29	14.40+	751	68.5	26.5	36.9
8-9 PM	2383	0.0	2999	2383	0	6.66	366	69.1	39.7	40.6
9-10 PM	1860	0.0	3000	1860	0	0.36	0	69.7	67.0	49.7
10-11 PM	1330	0.0	3000	1330	0	0.36	0	70.2	67.4	49.7
11PM-MID	858	0.0	3000	858	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	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	0.0887
MAIN ROUTE WITH WORKS	0.0724
'DIVERSION'	0.0309

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$146,186
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

