

IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) OFF-PEAK DAY 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	OFF	724	0	0.00	0	70.2	70.2	70.2
1-2 AM	455	0.0	OFF	455	0	0.00	0	70.2	70.2	70.2
2-3 AM	316	0.0	OFF	316	0	0.00	0	70.2	70.2	70.2
3-4 AM	245	0.0	OFF	245	0	0.00	0	70.2	70.2	70.2
4-5 AM	252	0.0	OFF	252	0	0.00	0	70.2	70.2	70.2
5-6 AM	361	0.0	OFF	361	0	0.00	0	70.2	70.2	70.2
6-7 AM	580	0.0	OFF	580	0	0.00	0	70.2	70.2	70.2
7-8 AM	848	0.0	OFF	848	0	0.00	0	70.2	70.2	70.2
8-9 AM	1390	0.0	OFF	1390	0	0.00	0	70.2	70.2	70.2
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	OFF	2756	0	0.76	65	68.6	63.3	63.3
8-9 PM	2273	0.0	OFF	2273	0	0.00	0	69.2	69.2	69.2
9-10 PM	1723	0.0	OFF	1723	0	0.00	0	69.9	69.9	69.9
10-11 PM	1307	0.0	OFF	1307	0	0.00	0	70.2	70.2	70.2
11PM-MID	883	0.0	OFF	883	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

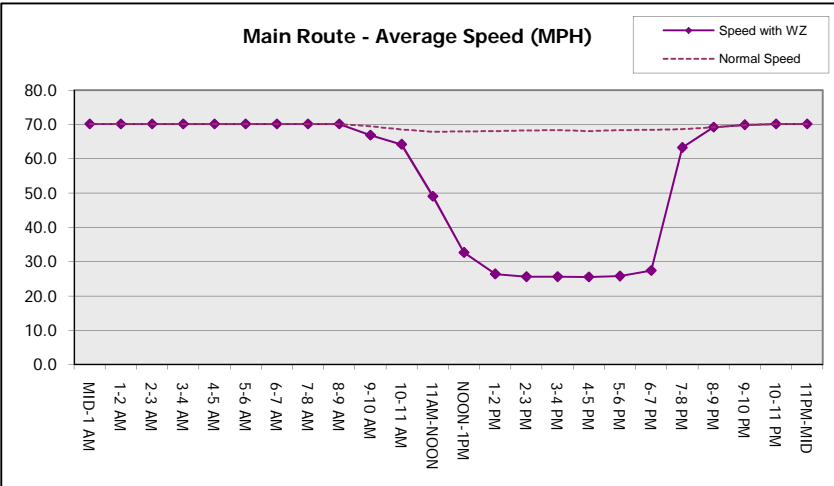
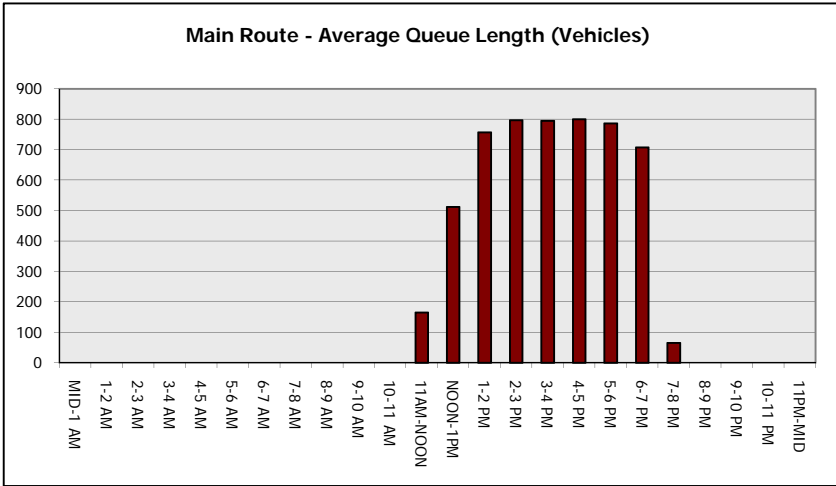
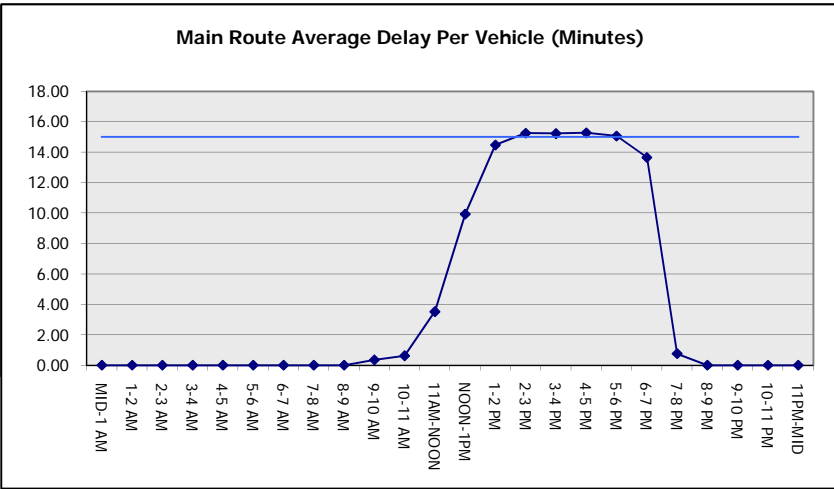
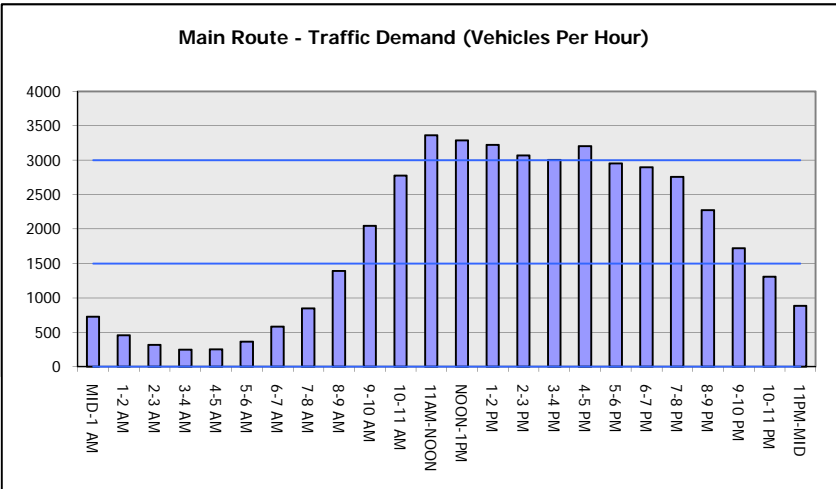
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0727
MAIN ROUTE WITH WORKS	0.0702
'DIVERSION'	0.0013
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$86,913
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) OFF-PEAK DAY 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	OFF	1026	0	0.00	0	70.2	70.2	70.2
1-2 AM	662	0.0	OFF	662	0	0.00	0	70.2	70.2	70.2
2-3 AM	469	0.0	OFF	469	0	0.00	0	70.2	70.2	70.2
3-4 AM	316	0.0	OFF	316	0	0.00	0	70.2	70.2	70.2
4-5 AM	302	0.0	OFF	302	0	0.00	0	70.2	70.2	70.2
5-6 AM	414	0.0	OFF	414	0	0.00	0	70.2	70.2	70.2
6-7 AM	630	0.0	OFF	630	0	0.00	0	70.2	70.2	70.2
7-8 AM	912	0.0	OFF	912	0	0.00	0	70.2	70.2	70.2
8-9 AM	1440	0.0	OFF	1440	0	0.00	0	70.2	70.2	70.2
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	OFF	2856	0	1.25	106	68.5	60.2	60.2
8-9 PM	2383	0.0	OFF	2383	0	0.00	0	69.1	69.1	69.1
9-10 PM	1860	0.0	OFF	1860	0	0.00	0	69.7	69.7	69.7
10-11 PM	1330	0.0	OFF	1330	0	0.00	0	70.2	70.2	70.2
11PM-MID	858	0.0	OFF	858	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	0.0887
MAIN ROUTE WITH WORKS	0.0734
'DIVERSION'	0.0308

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$125,382
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

