

IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) OFF-PEAK DAY 2 LANE 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	OFF	629	0	0.00	0	70.2	70.2	70.2
1-2 AM	419	0.0	OFF	419	0	0.00	0	70.2	70.2	70.2
2-3 AM	442	0.0	OFF	442	0	0.00	0	70.2	70.2	70.2
3-4 AM	466	0.0	OFF	466	0	0.00	0	70.2	70.2	70.2
4-5 AM	787	0.0	OFF	787	0	0.00	0	70.2	70.2	70.2
5-6 AM	1877	0.0	OFF	1877	0	0.00	0	69.7	69.7	69.7
6-7 AM	3144	0.0	OFF	3144	0	0.00	0	68.1	68.1	68.1
7-8 AM	3468	0.0	OFF	3468	0	0.00	0	67.8	67.8	67.8
8-9 AM	2727	0.0	OFF	2727	0	0.00	0	68.6	68.6	68.6
9-10 AM	2759	0.0	1499	1781	978	13.56+	341	68.6	27.5	37.5
10-11 AM	2799	0.0	1499	1500	1299	15.92+	399	68.6	24.9	36.6
11AM-NOON	2949	0.0	1500	1500	1449	15.90+	400	68.4	24.9	36.6
NOON-1PM	3123	0.0	1500	1500	1623	15.87+	400	68.2	24.9	36.6
1-2 PM	3378	0.0	1500	1500	1878	15.83+	400	67.8	24.9	36.6
2-3 PM	3685	0.0	1500	1500	2185	15.71+	400	67.0	24.9	36.6
3-4 PM	3810	0.0	1500	1500	2310	15.59+	400	66.1	24.9	36.6
4-5 PM	3988	0.0	OFF	3988	0	0.49	19	64.9	61.8	61.8
5-6 PM	3858	0.0	OFF	3858	0	0.00	0	65.8	65.8	65.8
6-7 PM	3307	0.0	OFF	3307	0	0.00	0	67.9	67.9	67.9
7-8 PM	2727	0.0	OFF	2727	0	0.00	0	68.6	68.6	68.6
8-9 PM	2262	0.0	OFF	2262	0	0.00	0	69.2	69.2	69.2
9-10 PM	1804	0.0	OFF	1804	0	0.00	0	69.8	69.8	69.8
10-11 PM	1422	0.0	OFF	1422	0	0.00	0	70.2	70.2	70.2
11PM-MID	960	0.0	OFF	960	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	0.0940
MAIN ROUTE WITH WORKS	0.0739
'DIVERSION'	0.0449
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$76,586
CONGESTED HOURS PER DAY*	7

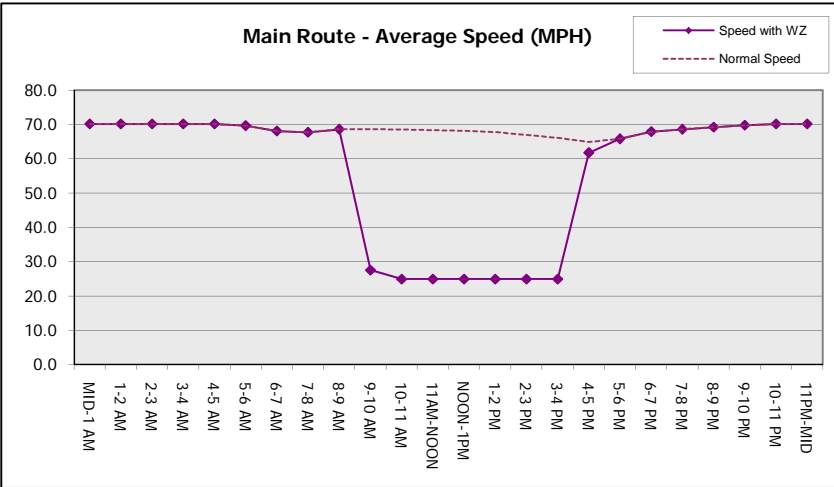
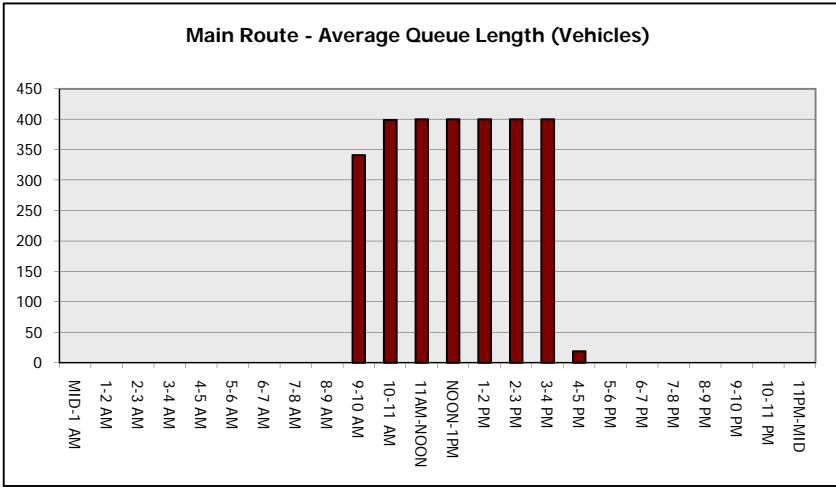
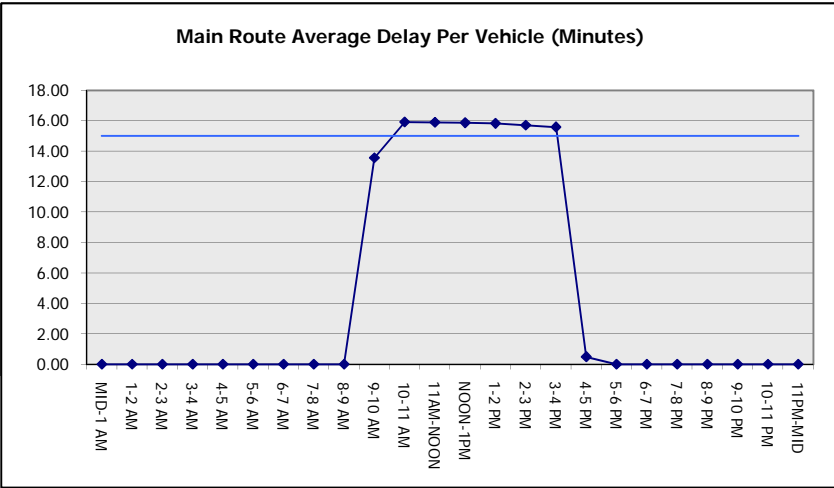
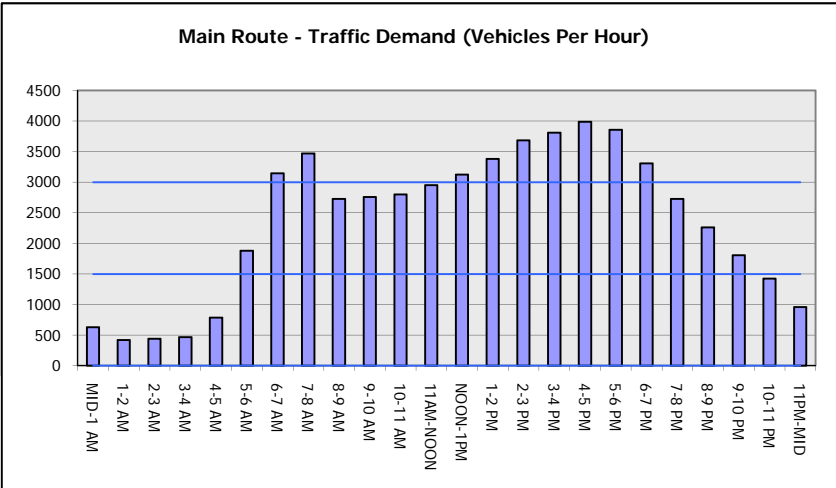
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



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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	OFF	617	0	0.00	0	70.2	70.2	70.2
1-2 AM	478	0.0	OFF	478	0	0.00	0	70.2	70.2	70.2
2-3 AM	435	0.0	OFF	435	0	0.00	0	70.2	70.2	70.2
3-4 AM	486	0.0	OFF	486	0	0.00	0	70.2	70.2	70.2
4-5 AM	764	0.0	OFF	764	0	0.00	0	70.2	70.2	70.2
5-6 AM	1292	0.0	OFF	1292	0	0.00	0	70.2	70.2	70.2
6-7 AM	2258	0.0	OFF	2258	0	0.00	0	69.2	69.2	69.2
7-8 AM	2790	0.0	OFF	2790	0	0.00	0	68.6	68.6	68.6
8-9 AM	2637	0.0	OFF	2637	0	0.00	0	68.7	68.7	68.7
9-10 AM	2660	0.0	1499	1861	799	13.22+	331	68.7	27.9	36.3
10-11 AM	2715	0.0	1499	1500	1216	16.12+	399	68.7	24.8	32.5
11AM-NOON	2833	0.0	1500	1500	1333	16.10+	400	68.5	24.8	32.5
NOON-1PM	2998	0.0	1500	1500	1498	16.07+	399	68.3	24.8	32.5
1-2 PM	3166	0.0	1500	1500	1666	16.04+	399	68.1	24.8	32.5
2-3 PM	3459	0.0	1500	1500	1959	15.99+	400	67.8	24.8	32.5
3-4 PM	3569	0.0	1500	1500	2069	15.98+	400	67.6	24.8	32.5
4-5 PM	3743	0.0	OFF	3743	0	0.65	28	66.6	62.3	62.3
5-6 PM	3772	0.0	OFF	3772	0	0.00	0	66.4	66.4	66.4
6-7 PM	2915	0.0	OFF	2915	0	0.00	0	68.4	68.4	68.4
7-8 PM	2269	0.0	OFF	2269	0	0.00	0	69.2	69.2	69.2
8-9 PM	1728	0.0	OFF	1728	0	0.00	0	69.9	69.9	69.9
9-10 PM	1641	0.0	OFF	1641	0	0.00	0	70.0	70.0	70.0
10-11 PM	1537	0.0	OFF	1537	0	0.00	0	70.1	70.1	70.1
11PM-MID	1092	0.0	OFF	1092	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	0.0858
MAIN ROUTE WITH WORKS	0.0677
'DIVERSION'	0.0404

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$73,780
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

