

IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	496	0.0	1500	496	0	0.43	0	70.2	66.9	46.9
1-2 AM	366	0.0	1500	366	0	0.42	0	70.2	67.1	47.5
2-3 AM	340	0.0	1500	340	0	0.41	0	70.2	67.1	47.6
3-4 AM	394	0.0	1500	394	0	0.42	0	70.2	67.0	47.4
4-5 AM	708	0.0	1500	708	0	0.46	0	70.2	66.8	46.0
5-6 AM	1762	0.0	OFF	1762	0	0.00	0	69.9	69.9	69.9
6-7 AM	3092	0.0	OFF	3092	0	0.00	0	68.2	68.2	68.2
7-8 AM	3430	0.0	OFF	3430	0	0.00	0	67.8	67.8	67.8
8-9 AM	2618	0.0	OFF	2618	0	0.00	0	68.8	68.8	68.8
9-10 AM	2402	0.0	OFF	2402	0	0.00	0	69.1	69.1	69.1
10-11 AM	2494	0.0	OFF	2494	0	0.00	0	68.9	68.9	68.9
11AM-NOON	2506	0.0	OFF	2506	0	0.00	0	68.9	68.9	68.9
NOON-1PM	2490	0.0	OFF	2490	0	0.00	0	68.9	68.9	68.9
1-2 PM	2615	0.0	OFF	2615	0	0.00	0	68.8	68.8	68.8
2-3 PM	2843	0.0	OFF	2843	0	0.00	0	68.5	68.5	68.5
3-4 PM	3114	0.0	OFF	3114	0	0.00	0	68.2	68.2	68.2
4-5 PM	3189	0.0	OFF	3189	0	0.00	0	68.1	68.1	68.1
5-6 PM	3017	0.0	OFF	3017	0	0.00	0	68.3	68.3	68.3
6-7 PM	2361	0.0	OFF	2361	0	0.00	0	69.1	69.1	69.1
7-8 PM	1816	0.0	1499	1816	0	7.47	184	69.8	38.0	32.5
8-9 PM	1523	0.0	1499	1523	0	14.11	342	70.2	27.1	32.5
9-10 PM	1333	0.0	1499	1333	0	11.13	268	70.2	31.2	32.5
10-11 PM	1106	0.0	1499	1106	0	2.05	46	70.2	57.0	40.9
11PM-MID	739	0.0	1500	739	0	0.46	0	70.2	66.7	45.9

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

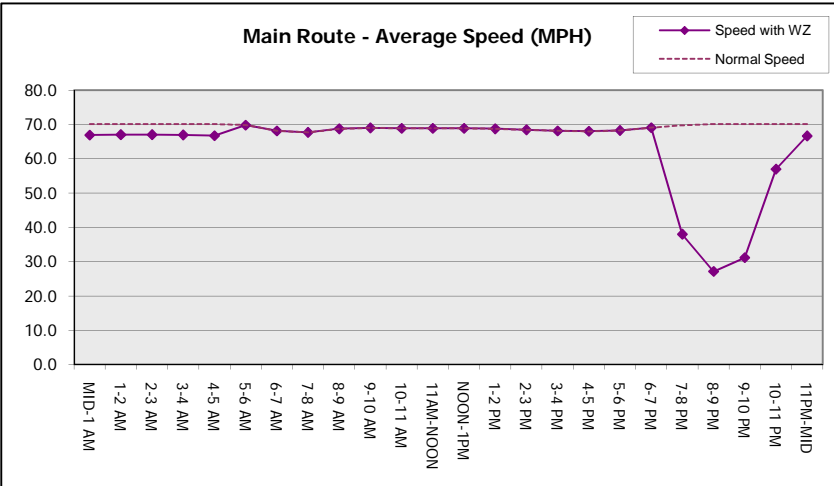
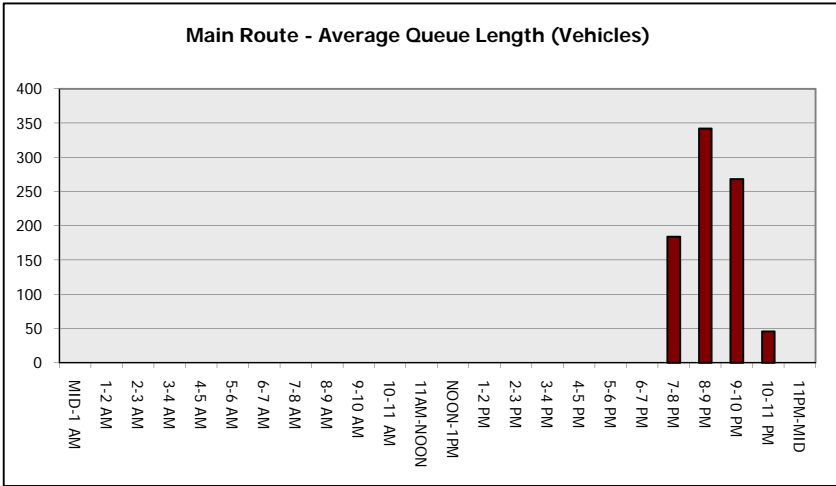
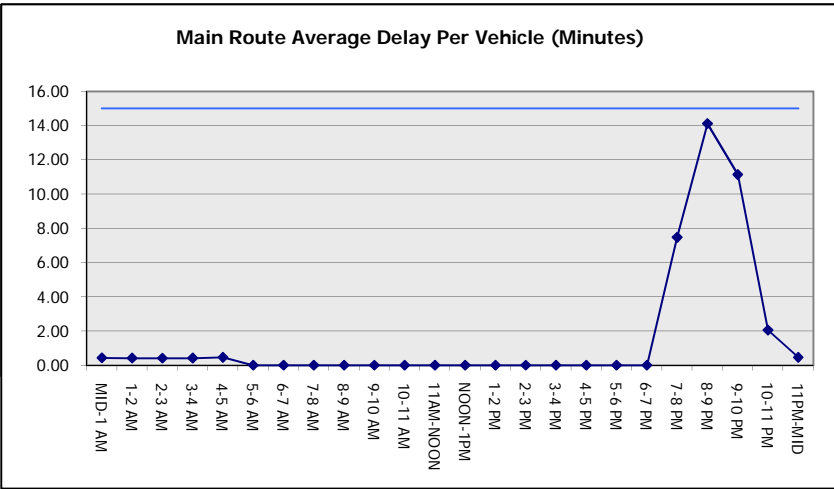
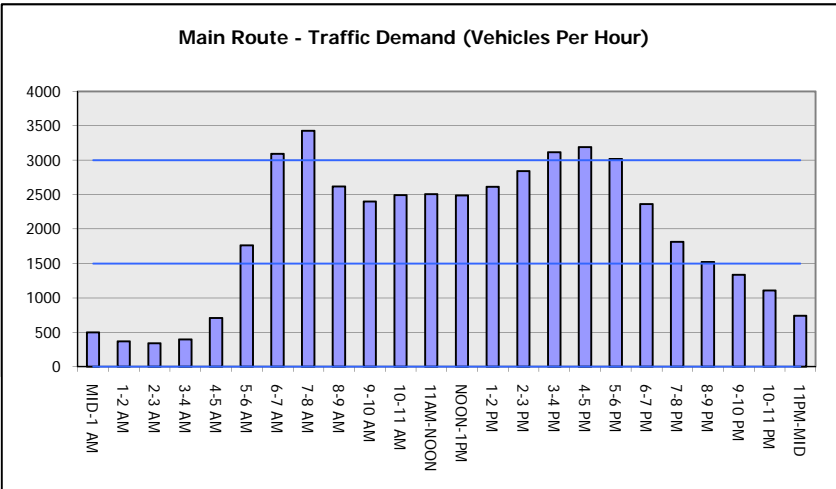
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0774
MAIN ROUTE WITH WORKS	0.0768
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$12,381
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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NIGHTTIME 2 LANE CLOSURE
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MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 94: STH 100/RYAN RD TO STH 20 (MILWAUKEE AND RACINE COUNTIES) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	507	0.0	1500	507	0	0.43	0	70.2	66.9	46.9
1-2 AM	393	0.0	1500	393	0	0.42	0	70.2	67.0	47.4
2-3 AM	350	0.0	1500	350	0	0.41	0	70.2	67.1	47.6
3-4 AM	413	0.0	1500	413	0	0.42	0	70.2	67.0	47.3
4-5 AM	654	0.0	1500	654	0	0.45	0	70.2	66.8	46.3
5-6 AM	1281	0.0	OFF	1281	0	0.00	0	70.2	70.2	70.2
6-7 AM	2322	0.0	OFF	2322	0	0.00	0	69.2	69.2	69.2
7-8 AM	2831	0.0	OFF	2831	0	0.00	0	68.5	68.5	68.5
8-9 AM	2607	0.0	OFF	2607	0	0.00	0	68.8	68.8	68.8
9-10 AM	2475	0.0	OFF	2475	0	0.00	0	69.0	69.0	69.0
10-11 AM	2427	0.0	OFF	2427	0	0.00	0	69.0	69.0	69.0
11AM-NOON	2544	0.0	OFF	2544	0	0.00	0	68.9	68.9	68.9
NOON-1PM	2623	0.0	OFF	2623	0	0.00	0	68.8	68.8	68.8
1-2 PM	2720	0.0	OFF	2720	0	0.00	0	68.7	68.7	68.7
2-3 PM	3022	0.0	OFF	3022	0	0.00	0	68.3	68.3	68.3
3-4 PM	3444	0.0	OFF	3444	0	0.00	0	67.8	67.8	67.8
4-5 PM	3661	0.0	OFF	3661	0	0.00	0	67.1	67.1	67.1
5-6 PM	3717	0.0	OFF	3717	0	0.00	0	66.8	66.8	66.8
6-7 PM	2645	0.0	OFF	2645	0	0.00	0	68.7	68.7	68.7
7-8 PM	1862	0.0	1499	1862	0	8.51	214	69.7	35.7	32.5
8-9 PM	1570	0.0	1499	1533	36	16.03+	393	70.1	25.0	32.5
9-10 PM	1433	0.0	1499	1433	0	15.32+	374	70.2	25.8	32.5
10-11 PM	1157	0.0	1499	1157	0	6.63	176	70.2	40.2	36.3
11PM-MID	820	0.0	1500	820	0	0.47	0	70.2	66.6	45.5

"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	0.0786
MAIN ROUTE WITH WORKS	0.0779
'DIVERSION'	0.0001

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$16,667
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

