

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

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	737	0.0	OFF	737	0	0.00	0	70.2	70.2	70.2
1-2 AM	593	0.0	OFF	593	0	0.00	0	70.2	70.2	70.2
2-3 AM	455	0.0	OFF	455	0	0.00	0	70.2	70.2	70.2
3-4 AM	495	0.0	OFF	495	0	0.00	0	70.2	70.2	70.2
4-5 AM	767	0.0	OFF	767	0	0.00	0	70.2	70.2	70.2
5-6 AM	1826	0.0	OFF	1826	0	0.00	0	69.7	69.7	69.7
6-7 AM	2960	0.0	OFF	2960	0	0.00	0	68.4	68.4	68.4
7-8 AM	3389	0.0	OFF	3389	0	0.00	0	67.8	67.8	67.8
8-9 AM	2850	0.0	OFF	2850	0	0.00	0	68.5	68.5	68.5
9-10 AM	2913	0.0	2999	2913	0	0.71	0	68.4	63.5	38.3
10-11 AM	3241	0.0	2999	3241	0	2.52	103	68.0	53.3	36.9
11AM-NOON	3440	0.0	3000	3440	0	8.67	451	67.8	34.9	36.9
NOON-1PM	3535	0.0	2999	3129	406	14.95+	785	67.6	25.8	36.9
1-2 PM	3869	0.0	3000	3000	869	14.95+	800	65.7	25.5	36.9
2-3 PM	4054	0.0	3000	3000	1054	14.76+	800	64.5	25.5	36.9
3-4 PM	4108	0.0	3000	3000	1108	14.71+	800	64.1	25.5	36.9
4-5 PM	4004	0.0	OFF	4004	0	2.54	164	64.8	51.3	51.3
5-6 PM	3924	0.0	OFF	3924	0	0.00	0	65.3	65.3	65.3
6-7 PM	3619	0.0	OFF	3619	0	0.00	0	67.4	67.4	67.4
7-8 PM	3286	0.0	OFF	3286	0	0.00	0	67.9	67.9	67.9
8-9 PM	2625	0.0	OFF	2625	0	0.00	0	68.7	68.7	68.7
9-10 PM	2126	0.0	OFF	2126	0	0.00	0	69.4	69.4	69.4
10-11 PM	1634	0.0	OFF	1634	0	0.00	0	70.0	70.0	70.0
11PM-MID	1161	0.0	OFF	1161	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

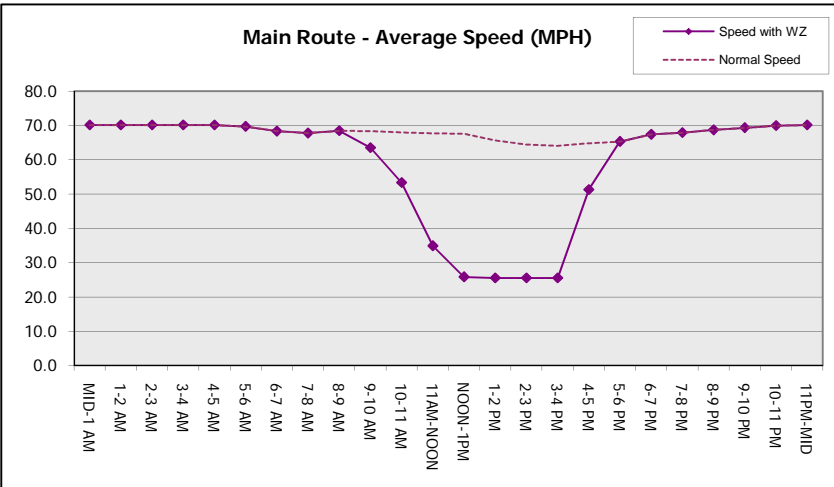
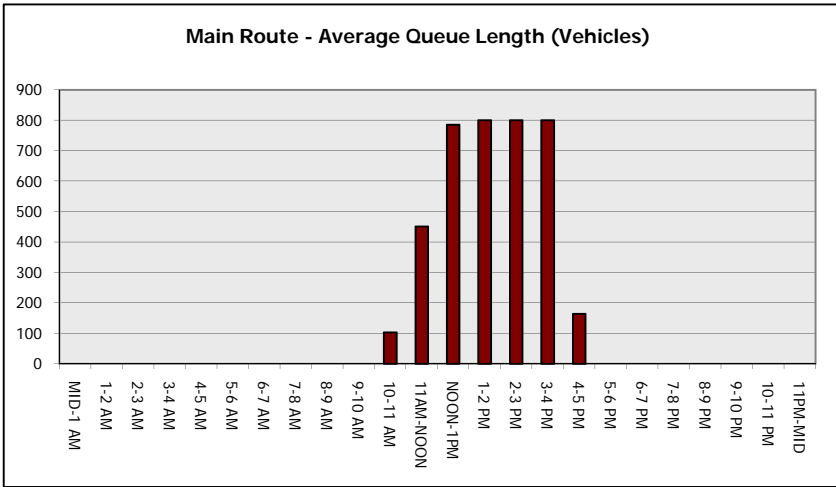
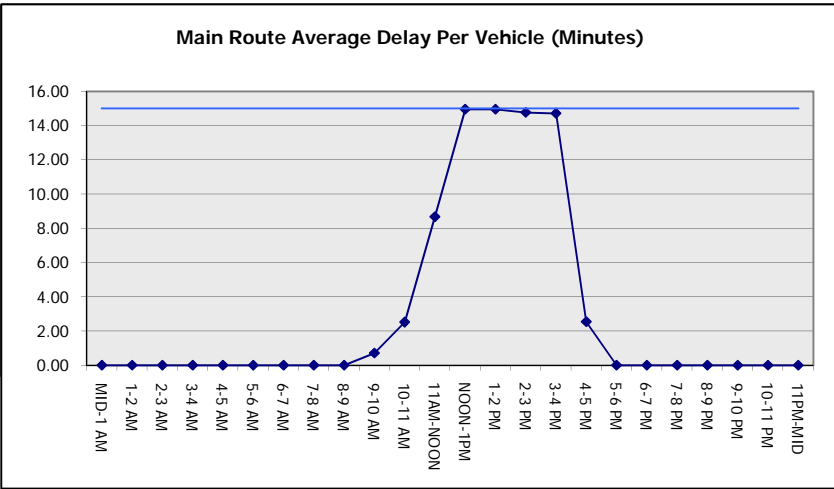
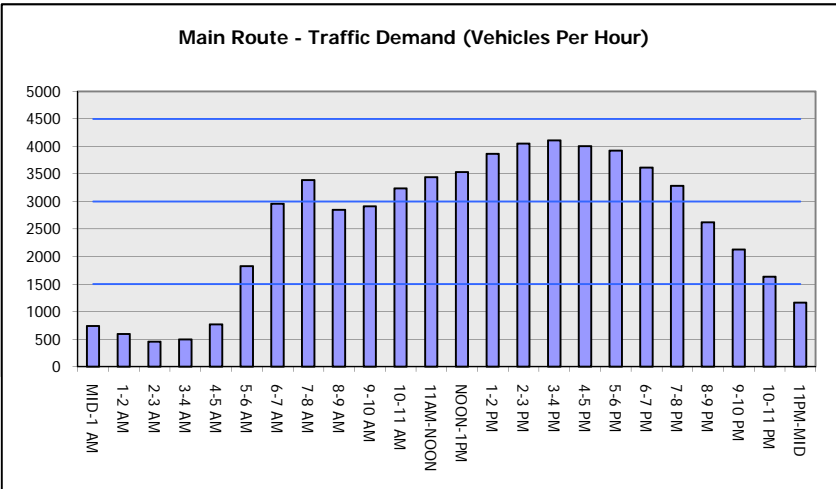
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.1020
MAIN ROUTE WITH WORKS	0.0949
'DIVERSION'	0.0132
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$57,468
CONGESTED HOURS PER DAY*	4

*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	691	0.0	OFF	691	0	0.00	0	70.2	70.2	70.2
1-2 AM	512	0.0	OFF	512	0	0.00	0	70.2	70.2	70.2
2-3 AM	461	0.0	OFF	461	0	0.00	0	70.2	70.2	70.2
3-4 AM	509	0.0	OFF	509	0	0.00	0	70.2	70.2	70.2
4-5 AM	751	0.0	OFF	751	0	0.00	0	70.2	70.2	70.2
5-6 AM	1286	0.0	OFF	1286	0	0.00	0	70.2	70.2	70.2
6-7 AM	2076	0.0	OFF	2076	0	0.00	0	69.4	69.4	69.4
7-8 AM	2678	0.0	OFF	2678	0	0.00	0	68.7	68.7	68.7
8-9 AM	2617	0.0	OFF	2617	0	0.00	0	68.8	68.8	68.8
9-10 AM	2829	0.0	2999	2829	0	0.65	0	68.5	64.0	39.6
10-11 AM	2998	0.0	2999	2998	0	0.80	2	68.3	62.8	37.1
11AM-NOON	3025	0.0	2999	3025	0	1.03	15	68.2	61.4	36.9
NOON-1PM	3276	0.0	3000	3276	0	3.59	164	67.9	48.9	36.9
1-2 PM	3353	0.0	3000	3353	0	9.27	479	67.9	33.8	36.9
2-3 PM	3578	0.0	2999	3156	422	14.89+	782	67.6	25.8	36.9
3-4 PM	3849	0.0	3000	3000	849	14.97+	800	65.9	25.5	36.9
4-5 PM	3896	0.0	OFF	3896	0	2.49	160	65.5	51.9	51.9
5-6 PM	3839	0.0	OFF	3839	0	0.00	0	66.0	66.0	66.0
6-7 PM	3136	0.0	OFF	3136	0	0.00	0	68.1	68.1	68.1
7-8 PM	2417	0.0	OFF	2417	0	0.00	0	69.1	69.1	69.1
8-9 PM	1904	0.0	OFF	1904	0	0.00	0	69.7	69.7	69.7
9-10 PM	1773	0.0	OFF	1773	0	0.00	0	69.9	69.9	69.9
10-11 PM	1744	0.0	OFF	1744	0	0.00	0	69.9	69.9	69.9
11PM-MID	1292	0.0	OFF	1292	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	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	0.0902
MAIN ROUTE WITH WORKS	0.0867
'DIVERSION'	0.0049

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,906
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

