

IH 94: MN 96 TO STH 35 N OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	753	0.0	OFF	753	0	0.00	0	69.8	69.8	69.8	
1-2 AM	604	0.0	OFF	604	0	0.00	0	70.0	70.0	70.0	
2-3 AM	537	0.0	OFF	537	0	0.00	0	70.0	70.0	70.0	
3-4 AM	500	0.0	OFF	500	0	0.00	0	70.1	70.1	70.1	
4-5 AM	612	0.0	OFF	612	0	0.00	0	70.0	70.0	70.0	
5-6 AM	770	0.0	OFF	770	0	0.00	0	69.8	69.8	69.8	
6-7 AM	1068	0.0	OFF	1068	0	0.00	0	69.4	69.4	69.4	
7-8 AM	1615	0.0	OFF	1615	0	0.00	0	68.7	68.7	68.7	
8-9 AM	2241	0.0	2999	2241	0	0.17	0	67.9	57.0	49.5	
9-10 AM	2905	0.0	2999	2905	0	0.43	6	67.1	45.3	39.3	
10-11 AM	3439	0.0	3000	3439	0	3.96	227	66.4	14.6	37.3	
11AM-NOON	3521	0.0	3000	3521	0	13.34	725	66.4	8.8	37.3	
NOON-1PM	3502	0.0	2999	3502	0	22.80	1240	66.4	7.8	37.3	
1-2 PM	3456	0.0	3000	3456	0	31.60	1723	66.4	7.3	37.3	
2-3 PM	3304	0.0	2999	3304	0	38.49+	2102	66.6	7.1	37.3	
3-4 PM	3294	0.0	2999	3294	0	43.88+	2399	66.6	7.0	37.3	
4-5 PM	3210	0.0	2999	3016	194	47.43+	2594	66.8	7.0	37.3	
5-6 PM	2800	0.0	2999	2800	0	45.48+	2484	67.3	7.0	37.3	
6-7 PM	2415	0.0	OFF	2415	0	7.91	776	67.8	6.8	6.8	
7-8 PM	2069	0.0	OFF	2069	0	0.00	0	68.2	68.2	68.2	
8-9 PM	1914	0.0	OFF	1914	0	0.00	0	68.4	68.4	68.4	
9-10 PM	1588	0.0	OFF	1588	0	0.00	0	68.7	68.7	68.7	
10-11 PM	1201	0.0	OFF	1201	0	0.00	0	69.2	69.2	69.2	
11PM-MID	723	0.0	OFF	723	0	0.00	0	69.9	69.9	69.9	

"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

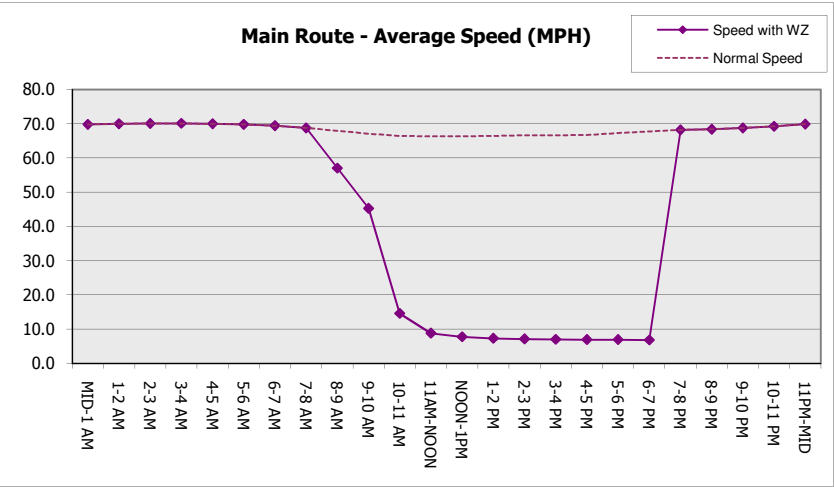
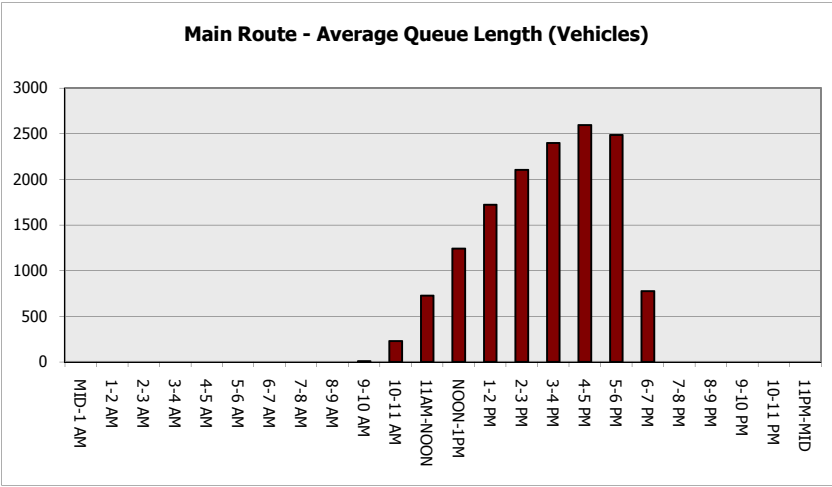
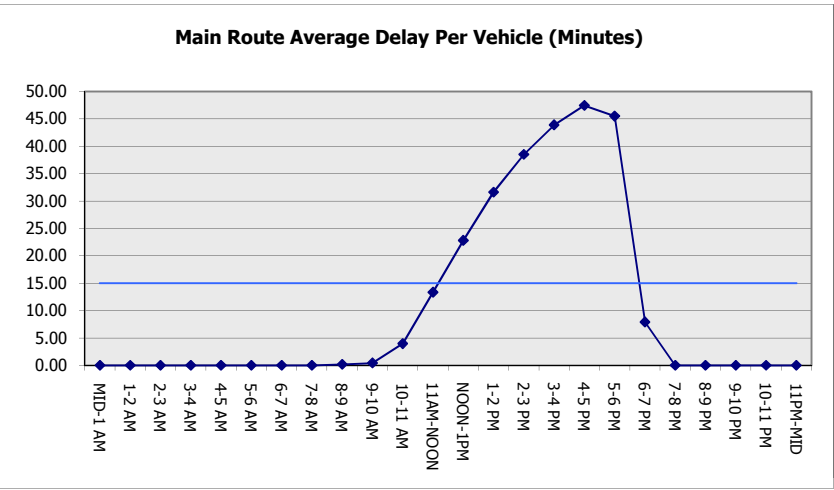
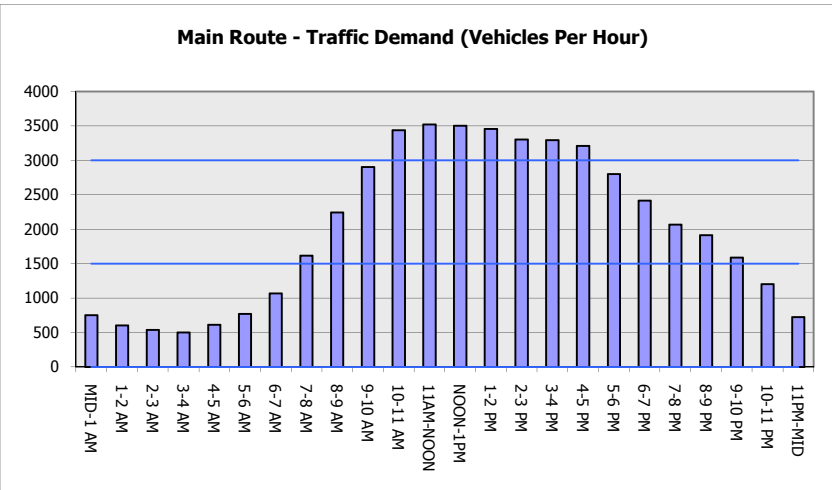
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0076
MAIN ROUTE WITH WORKS	0.0042
'DIVERSION'	0.0001
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$213,775
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: MN 96 TO STH 35 N OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	729	0.0	OFF	729	0	0.00	0	69.8	69.8	69.8
1-2 AM	475	0.0	OFF	475	0	0.00	0	70.2	70.2	70.2
2-3 AM	375	0.0	OFF	375	0	0.00	0	70.2	70.2	70.2
3-4 AM	381	0.0	OFF	381	0	0.00	0	70.2	70.2	70.2
4-5 AM	564	0.0	OFF	564	0	0.00	0	70.0	70.0	70.0
5-6 AM	803	0.0	OFF	803	0	0.00	0	69.7	69.7	69.7
6-7 AM	1498	0.0	OFF	1498	0	0.00	0	68.9	68.9	68.9
7-8 AM	2582	0.0	OFF	2582	0	0.00	0	67.5	67.5	67.5
8-9 AM	3304	0.0	2999	3304	0	1.78	108	66.6	23.5	37.3
9-10 AM	3961	0.0	3000	3961	0	13.47	757	63.8	8.9	37.3
10-11 AM	4152	0.0	3000	4152	0	33.34+	1841	62.5	7.3	37.3
11AM-NOON	3942	0.0	2999	3173	769	48.03+	2641	63.9	7.0	37.3
NOON-1PM	3481	0.0	2999	2996	485	47.59+	2605	66.4	7.0	37.3
1-2 PM	3139	0.0	2999	2997	142	47.40+	2592	66.8	7.0	37.3
2-3 PM	3072	0.0	2999	3002	70	47.36+	2589	66.9	7.0	37.3
3-4 PM	3086	0.0	2999	3001	85	47.37+	2590	66.9	7.0	37.3
4-5 PM	2984	0.0	2999	2964	20	47.18+	2579	67.0	7.0	37.3
5-6 PM	2562	0.0	2999	2562	0	43.14+	2355	67.6	7.0	37.3
6-7 PM	2219	0.0	OFF	2219	0	6.00	590	68.0	8.7	8.7
7-8 PM	1892	0.0	OFF	1892	0	0.00	0	68.4	68.4	68.4
8-9 PM	1511	0.0	OFF	1511	0	0.00	0	68.9	68.9	68.9
9-10 PM	1408	0.0	OFF	1408	0	0.00	0	69.0	69.0	69.0
10-11 PM	1078	0.0	OFF	1078	0	0.00	0	69.4	69.4	69.4
11PM-MID	728	0.0	OFF	728	0	0.00	0	69.8	69.8	69.8

"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	0.0079
MAIN ROUTE WITH WORKS	0.0042
'DIVERSION'	0.0006
<small>PIA: Personal Injury Accidents</small>	
ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$327,224
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

