

IH 94: MN 96 TO STH 35 N CONTINUOUS (24 HOUR) 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	3000	753	0	0.18	0	69.8	57.8	49.7	
1-2 AM	604	0.0	3000	604	0	0.18	0	70.0	57.8	49.7	
2-3 AM	537	0.0	3000	537	0	0.18	0	70.0	57.8	49.7	
3-4 AM	500	0.0	3000	500	0	0.18	0	70.1	57.9	49.7	
4-5 AM	612	0.0	3000	612	0	0.18	0	70.0	57.8	49.7	
5-6 AM	770	0.0	3000	770	0	0.18	0	69.8	57.8	49.7	
6-7 AM	1068	0.0	3000	1068	0	0.18	0	69.4	57.6	49.7	
7-8 AM	1615	0.0	3000	1615	0	0.17	0	68.7	57.4	49.7	
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	2999	2415	0	38.32+	2090	67.8	7.1	37.3	
7-8 PM	2069	0.0	2999	2069	0	24.30	1324	68.2	7.7	37.3	
8-9 PM	1914	0.0	2999	1914	0	2.82	341	68.4	22.0	46.3	
9-10 PM	1588	0.0	3000	1588	0	0.17	0	68.7	57.4	49.7	
10-11 PM	1201	0.0	3000	1201	0	0.18	0	69.2	57.6	49.7	
11PM-MID	723	0.0	3000	723	0	0.18	0	69.9	57.8	49.7	

+ 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

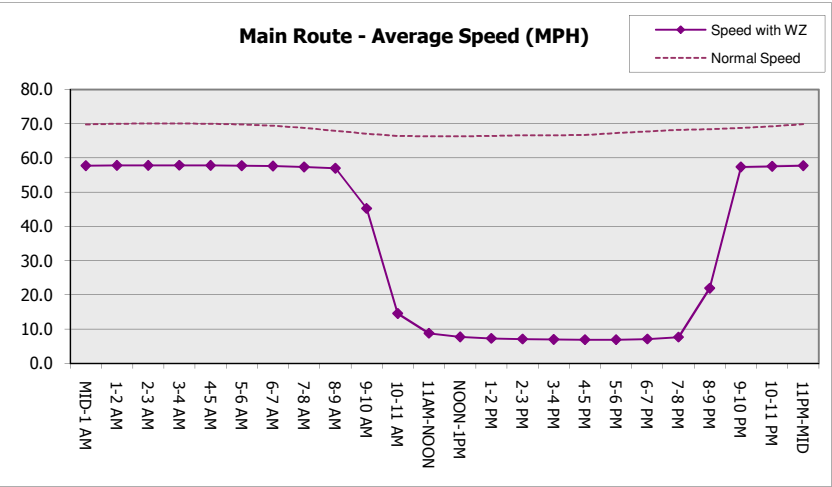
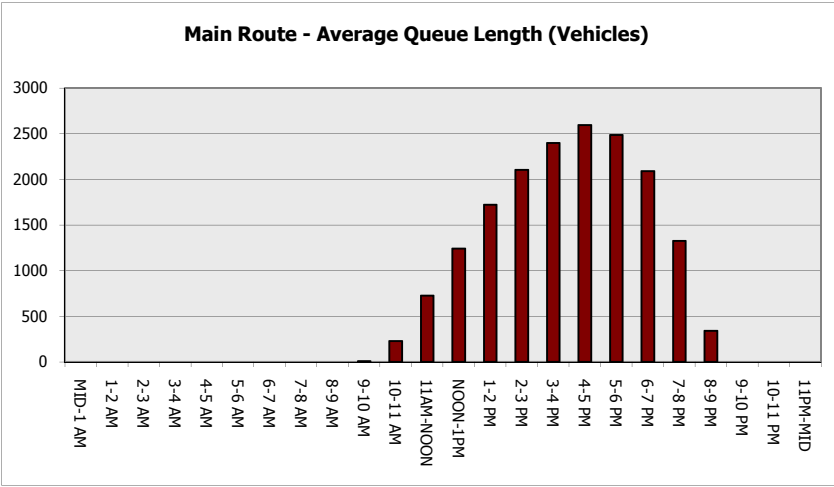
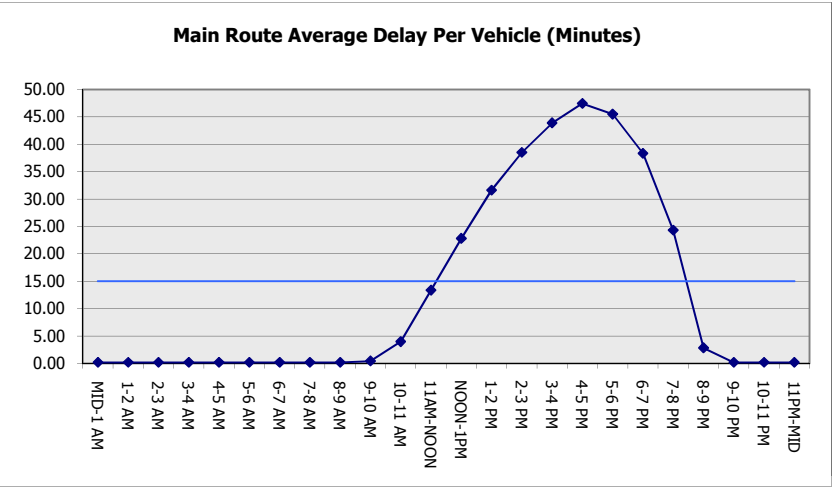
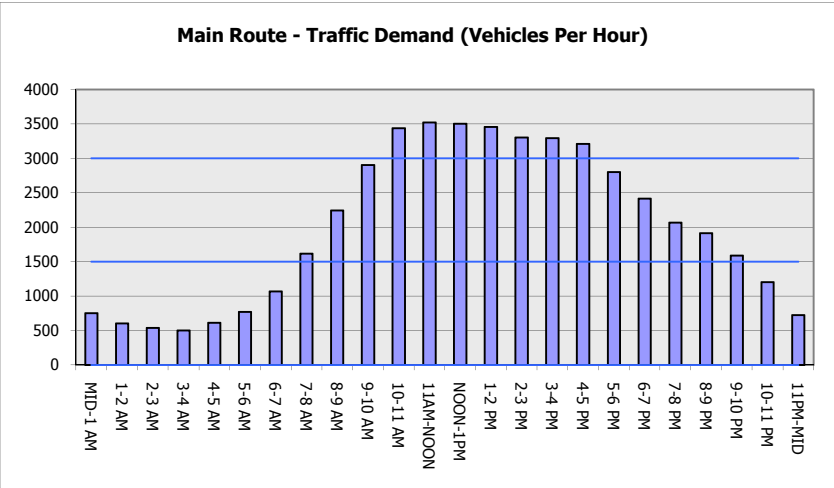
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0076
MAIN ROUTE WITH WORKS	0.0024
'DIVERSION'	0.0001
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$267,496
CONGESTED HOURS PER DAY*	5

*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 CONTINUOUS (24 HOUR) 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	3000	729	0	0.18	0	69.8	57.8	49.7
1-2 AM	475	0.0	3000	475	0	0.18	0	70.2	57.9	49.7
2-3 AM	375	0.0	3000	375	0	0.18	0	70.2	57.9	49.7
3-4 AM	381	0.0	3000	381	0	0.18	0	70.2	57.9	49.7
4-5 AM	564	0.0	3000	564	0	0.18	0	70.0	57.8	49.7
5-6 AM	803	0.0	3000	803	0	0.18	0	69.7	57.8	49.7
6-7 AM	1498	0.0	3000	1498	0	0.17	0	68.9	57.4	49.7
7-8 AM	2582	0.0	2999	2582	0	0.23	0	67.5	53.6	45.0
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	2999	2219	0	31.99	1742	68.0	7.3	37.3
7-8 PM	1892	0.0	2999	1892	0	13.99	799	68.4	9.0	42.0
8-9 PM	1511	0.0	3000	1511	0	0.29	17	68.9	51.9	49.7
9-10 PM	1408	0.0	3000	1408	0	0.17	0	69.0	57.4	49.7
10-11 PM	1078	0.0	3000	1078	0	0.18	0	69.4	57.6	49.7
11PM-MID	728	0.0	3000	728	0	0.18	0	69.8	57.8	49.7

+ 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	0.0025
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$377,513
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

