

IH 94: MN 96 TO STH 35 N CONTINUOUS (24 HOUR) 2 LANE 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	1500	753	0	0.41	9	69.8	47.2	42.5	
1-2 AM	604	0.0	1500	604	0	0.28	0	70.0	53.0	43.1	
2-3 AM	537	0.0	1500	537	0	0.27	0	70.0	53.2	43.3	
3-4 AM	500	0.0	1500	500	0	0.27	0	70.1	53.3	43.5	
4-5 AM	612	0.0	1500	612	0	0.28	0	70.0	52.9	43.1	
5-6 AM	770	0.0	1500	770	0	0.28	0	69.8	52.4	42.5	
6-7 AM	1068	0.0	1499	1068	0	0.32	0	69.4	50.8	40.6	
7-8 AM	1615	0.0	1499	1615	0	1.20	32	68.7	29.0	31.1	
8-9 AM	2241	0.0	1500	2241	0	16.57	461	67.9	5.7	30.8	
9-10 AM	2905	0.0	1500	1631	1274	47.02+	1218	67.1	4.0	30.8	
10-11 AM	3439	0.0	1500	1589	1850	47.39+	1228	66.4	3.9	30.8	
11AM-NOON	3521	0.0	1500	1535	1986	47.90+	1242	66.4	3.9	30.8	
NOON-1PM	3502	0.0	1500	1518	1985	48.07+	1246	66.4	3.9	30.8	
1-2 PM	3456	0.0	1500	1513	1943	48.12+	1248	66.4	3.9	30.8	
2-3 PM	3304	0.0	1500	1526	1777	48.00+	1244	66.6	3.9	30.8	
3-4 PM	3294	0.0	1500	1515	1779	48.11+	1247	66.6	3.9	30.8	
4-5 PM	3210	0.0	1500	1512	1698	48.14+	1248	66.8	3.9	30.8	
5-6 PM	2800	0.0	1500	1490	1310	47.18+	1222	67.3	3.9	30.8	
6-7 PM	2415	0.0	1500	1498	917	46.56+	1205	67.8	4.0	30.8	
7-8 PM	2069	0.0	1500	1499	570	46.48+	1203	68.2	4.0	30.8	
8-9 PM	1914	0.0	1500	1499	415	46.45+	1202	68.4	4.0	30.8	
9-10 PM	1588	0.0	1500	1498	90	46.37+	1199	68.7	4.0	30.8	
10-11 PM	1201	0.0	1500	1201	0	41.45+	1071	69.2	4.0	30.8	
11PM-MID	723	0.0	1500	723	0	18.54	520	69.9	5.5	35.1	

+ 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

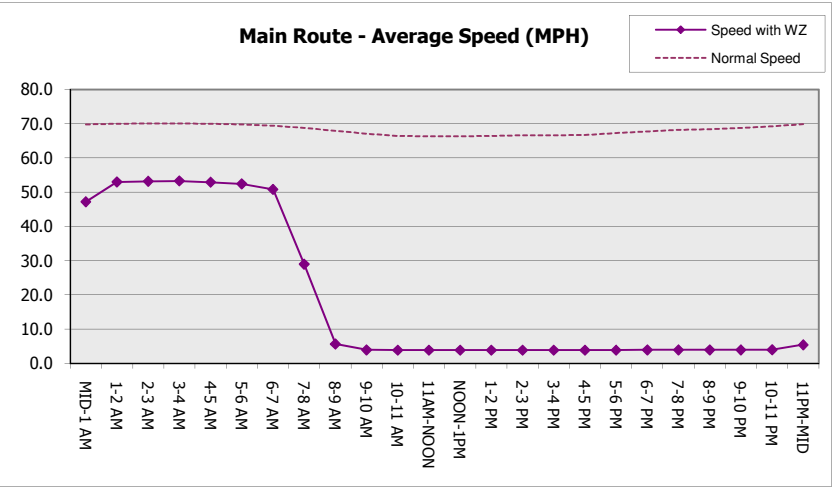
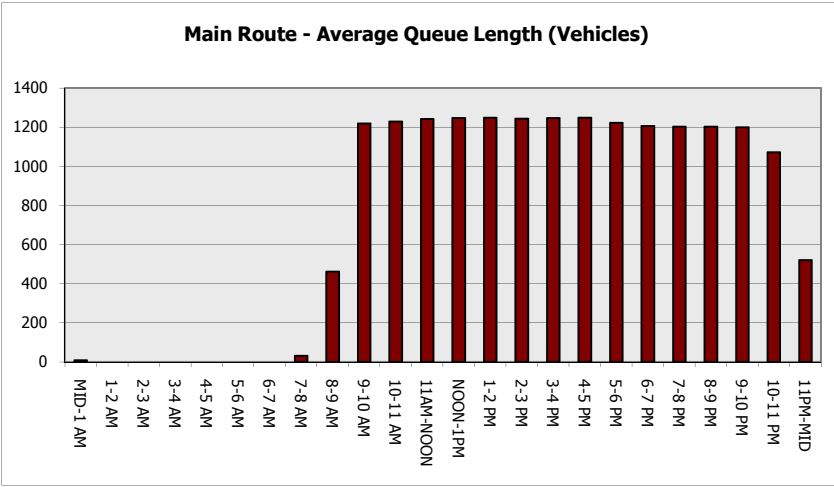
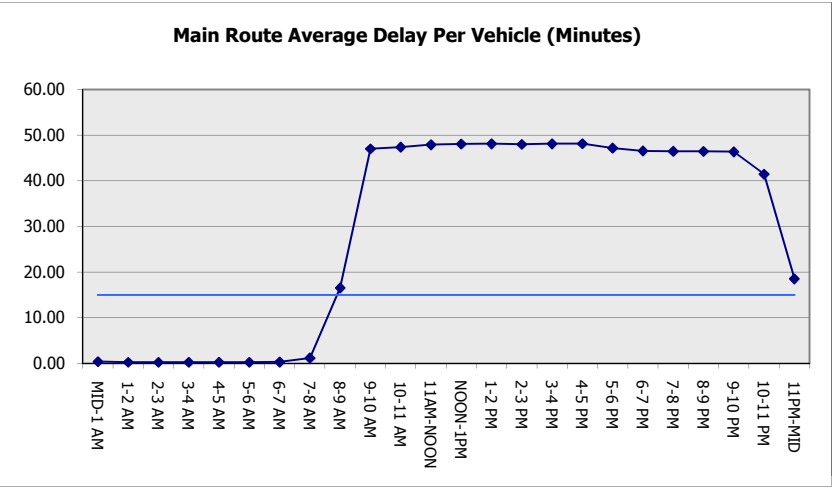
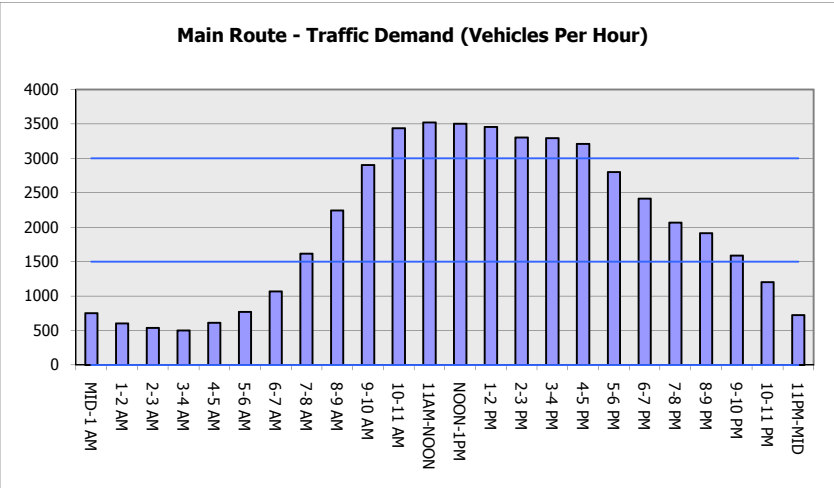
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0076
MAIN ROUTE WITH WORKS	0.0015
'DIVERSION'	0.0065
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$520,500
CONGESTED HOURS PER DAY*	14

*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) 2 LANE 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	1500	729	0	0.28	0	69.8	52.5	42.7	
1-2 AM	475	0.0	1500	475	0	0.27	0	70.2	53.4	43.6	
2-3 AM	375	0.0	1500	375	0	0.26	0	70.2	53.7	44.0	
3-4 AM	381	0.0	1500	381	0	0.26	0	70.2	53.7	44.0	
4-5 AM	564	0.0	1500	564	0	0.27	0	70.0	53.1	43.3	
5-6 AM	803	0.0	1500	803	0	0.29	0	69.7	52.4	42.4	
6-7 AM	1498	0.0	1499	1498	0	1.00	27	68.9	32.0	33.5	
7-8 AM	2582	0.0	1500	2582	0	20.75+	594	67.5	5.3	30.8	
8-9 AM	3304	0.0	1500	1533	1771	47.94+	1243	66.6	3.9	30.8	
9-10 AM	3961	0.0	1500	1500	2461	48.11+	1251	63.8	3.9	30.8	
10-11 AM	4152	0.0	1500	1500	2652	48.05+	1251	62.5	3.9	30.8	
11AM-NOON	3942	0.0	1500	1500	2442	48.12+	1251	63.9	3.9	30.8	
NOON-1PM	3481	0.0	1500	1500	1981	48.24+	1251	66.4	3.9	30.8	
1-2 PM	3139	0.0	1500	1509	1631	48.17+	1249	66.8	3.9	30.8	
2-3 PM	3072	0.0	1500	1507	1565	47.98+	1243	66.9	3.9	30.8	
3-4 PM	3086	0.0	1500	1502	1585	48.04+	1245	66.9	3.9	30.8	
4-5 PM	2984	0.0	1500	1484	1500	47.77+	1238	67.0	3.9	30.8	
5-6 PM	2562	0.0	1500	1484	1078	46.72+	1210	67.6	4.0	30.8	
6-7 PM	2219	0.0	1500	1497	722	46.52+	1204	68.0	4.0	30.8	
7-8 PM	1892	0.0	1500	1497	395	46.44+	1201	68.4	4.0	30.8	
8-9 PM	1511	0.0	1500	1467	44	46.06+	1191	68.9	4.0	30.8	
9-10 PM	1408	0.0	1500	1408	0	44.03+	1138	69.0	4.0	30.8	
10-11 PM	1078	0.0	1500	1078	0	34.39	888	69.4	4.3	30.8	
11PM-MID	728	0.0	1499	728	0	4.74	289	69.8	14.2	37.8	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0079
MAIN ROUTE WITH WORKS	0.0015
'DIVERSION'	0.0073
<small>PIA: Personal Injury Accidents</small>	
ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$562,799
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

