

<b>IH 94: MN 96 TO STH 35 N                  NIGHTTIME 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	888	0.0	1499	888	0	2.79	185	69.6	19.1	38.5	
1-2 AM	636	0.0	1500	636	0	0.28	0	69.9	52.8	43.0	
2-3 AM	526	0.0	1500	526	0	0.27	0	70.0	53.2	43.4	
3-4 AM	563	0.0	1500	563	0	0.27	0	70.0	53.1	43.3	
4-5 AM	699	0.0	1500	699	0	0.28	0	69.9	52.7	42.8	
5-6 AM	836	0.0	1500	836	0	0.29	0	69.7	52.2	42.3	
6-7 AM	954	0.0	1499	954	0	0.29	0	69.6	51.9	41.9	
7-8 AM	1485	0.0	1499	1485	0	0.88	14	68.9	34.3	32.5	
8-9 AM	2028	0.0	OFF	2028	0	0.01	0	68.2	67.8	67.8	
9-10 AM	2773	0.0	OFF	2773	0	0.00	0	67.3	67.3	67.3	
10-11 AM	3580	0.0	OFF	3580	0	0.00	0	66.3	66.3	66.3	
11AM-NOON	3749	0.0	OFF	3749	0	0.00	0	65.3	65.3	65.3	
NOON-1PM	3633	0.0	OFF	3633	0	0.00	0	66.0	66.0	66.0	
1-2 PM	3883	0.0	OFF	3883	0	0.00	0	64.3	64.3	64.3	
2-3 PM	3765	0.0	OFF	3765	0	0.00	0	65.1	65.1	65.1	
3-4 PM	3762	0.0	OFF	3762	0	0.00	0	65.1	65.1	65.1	
4-5 PM	3560	0.0	OFF	3560	0	0.00	0	66.3	66.3	66.3	
5-6 PM	3182	0.0	OFF	3182	0	0.00	0	66.8	66.8	66.8	
6-7 PM	2799	0.0	1499	2742	57	24.01+	674	67.3	5.0	30.8	
7-8 PM	2365	0.0	1500	1493	872	46.55+	1205	67.8	4.0	30.8	
8-9 PM	2071	0.0	1500	1495	576	46.48+	1203	68.2	4.0	30.8	
9-10 PM	1859	0.0	1500	1495	364	46.43+	1201	68.4	4.0	30.8	
10-11 PM	1391	0.0	1500	1336	55	44.81+	1158	69.0	4.0	30.8	
11PM-MID	906	0.0	1500	906	0	30.02	779	69.6	4.5	30.8	

"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

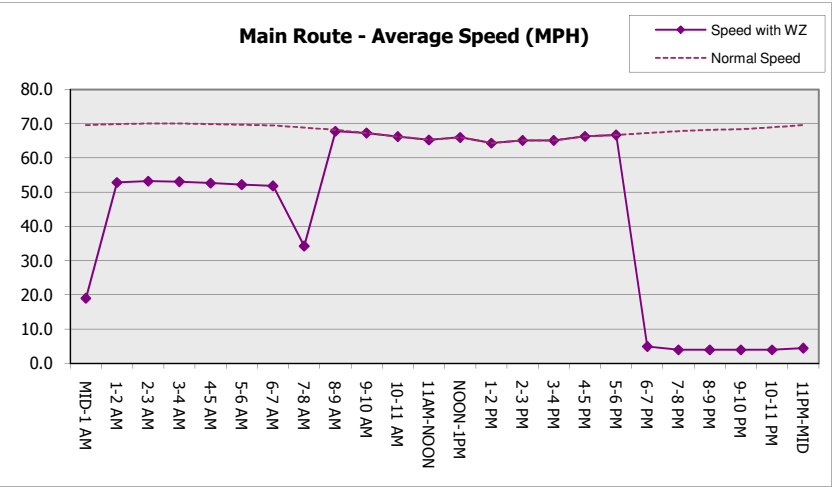
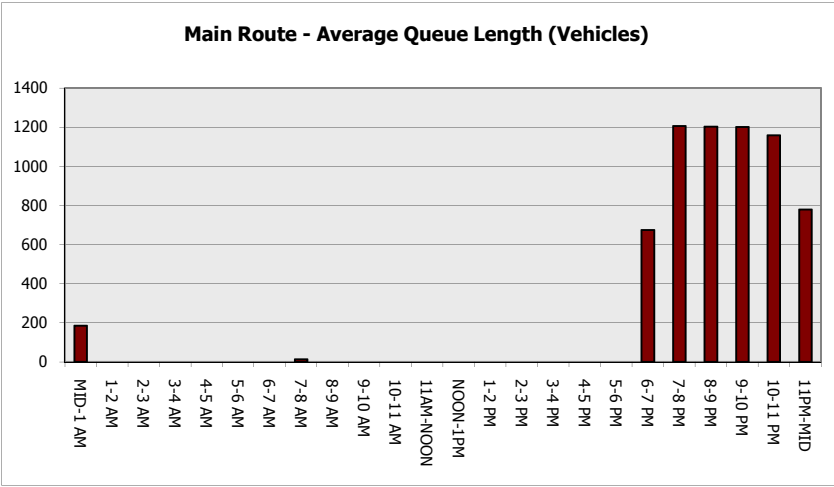
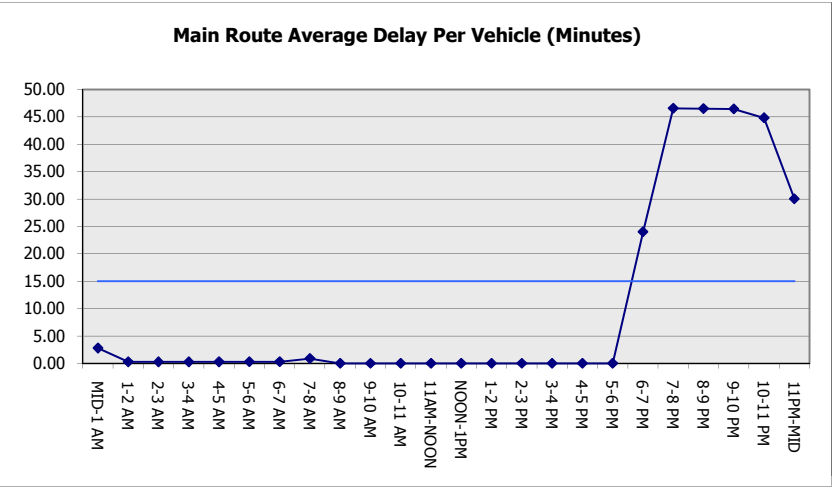
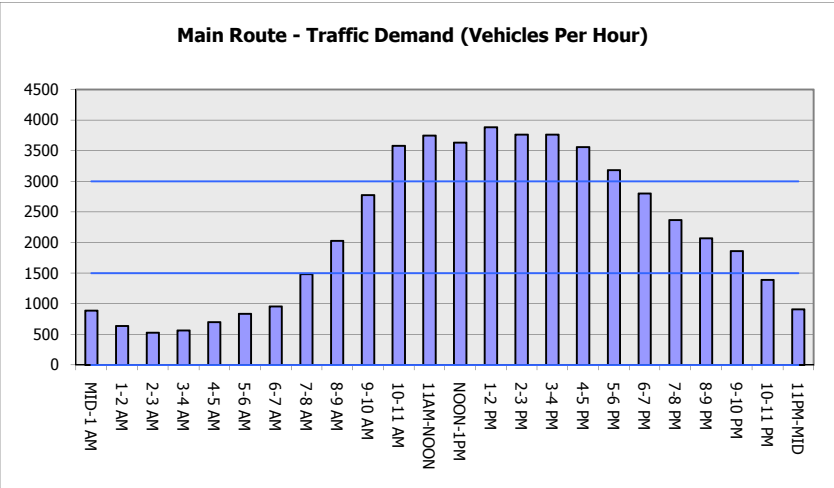
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0083
MAIN ROUTE WITH WORKS	0.0062
'DIVERSION'	0.0007
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$119,143
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY WESTBOUND DIRECTION**



<b>IH 94: MN 96 TO STH 35 N                  NIGHTTIME 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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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	914	0.0	1500	914	0	1.39	100	69.6	27.9	39.9
1-2 AM	542	0.0	1500	542	0	0.27	0	70.0	53.2	43.3
2-3 AM	447	0.0	1500	447	0	0.27	0	70.2	53.5	43.7
3-4 AM	406	0.0	1500	406	0	0.26	0	70.2	53.6	43.8
4-5 AM	506	0.0	1500	506	0	0.27	0	70.1	53.3	43.5
5-6 AM	757	0.0	1500	757	0	0.28	0	69.8	52.5	42.5
6-7 AM	1393	0.0	1499	1393	0	0.73	11	69.0	37.6	34.7
7-8 AM	2358	0.0	1500	2358	0	<b>13.74</b>	413	67.8	6.4	30.8
8-9 AM	3364	0.0	OFF	3364	0	1.62	155	66.6	23.8	23.8
9-10 AM	4145	0.0	OFF	4145	0	0.00	0	62.5	62.5	62.5
10-11 AM	4682	0.0	OFF	4682	0	0.00	0	58.9	58.9	58.9
11AM-NOON	4449	0.0	OFF	4449	0	0.00	0	60.5	60.5	60.5
NOON-1PM	4091	0.0	OFF	4091	0	0.00	0	62.9	62.9	62.9
1-2 PM	3662	0.0	OFF	3662	0	0.00	0	65.8	65.8	65.8
2-3 PM	3446	0.0	OFF	3446	0	0.00	0	66.4	66.4	66.4
3-4 PM	3328	0.0	OFF	3328	0	0.00	0	66.6	66.6	66.6
4-5 PM	2925	0.0	OFF	2925	0	0.00	0	67.1	67.1	67.1
5-6 PM	2791	0.0	OFF	2791	0	0.00	0	67.3	67.3	67.3
6-7 PM	2389	0.0	1499	2389	0	<b>16.51</b>	466	67.8	5.8	30.8
7-8 PM	2079	0.0	1500	1803	276	<b>43.54+</b>	1127	68.1	4.0	30.8
8-9 PM	1832	0.0	1500	1499	333	<b>46.43+</b>	1201	68.4	4.0	30.8
9-10 PM	1545	0.0	1500	1499	46	<b>46.36+</b>	1199	68.8	4.0	30.8
10-11 PM	1225	0.0	1500	1225	0	<b>41.48+</b>	1072	69.2	4.0	30.8
11PM-MID	915	0.0	1500	915	0	<b>24.16</b>	632	69.6	4.8	31.2

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

+ 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	0.0086
MAIN ROUTE WITH WORKS	0.0067
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$104,994
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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**SATURDAY EASTBOUND DIRECTION**

