

<b>IH 94: MN 96 TO STH 35 N</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</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	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	1499	2241	0	10.95	330	67.9	7.1	30.8	
9-10 AM	2905	0.0	1125	1362	1543	57.52+	1110	67.1	3.0	36.7	
10-11 AM	3439	0.0	750	349	3091	53.77+	689	66.4	2.4	42.6	
11AM-NOON	3521	0.0	1273	2122	1398	42.96+	942	66.4	3.6	34.3	
NOON-1PM	3502	0.0	1500	1456	2047	47.81+	1240	66.4	3.9	30.8	
1-2 PM	3456	0.0	1500	1470	1986	47.95+	1243	66.4	3.9	30.8	
2-3 PM	3304	0.0	1500	1467	1837	47.93+	1243	66.6	3.9	30.8	
3-4 PM	3294	0.0	1500	1483	1811	48.09+	1247	66.6	3.9	30.8	
4-5 PM	3210	0.0	1500	1475	1735	48.01+	1245	66.8	3.9	30.8	
5-6 PM	2800	0.0	1500	1442	1358	47.34+	1226	67.3	3.9	30.8	
6-7 PM	2415	0.0	OFF	2415	0	2.09	206	67.8	20.2	20.2	
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

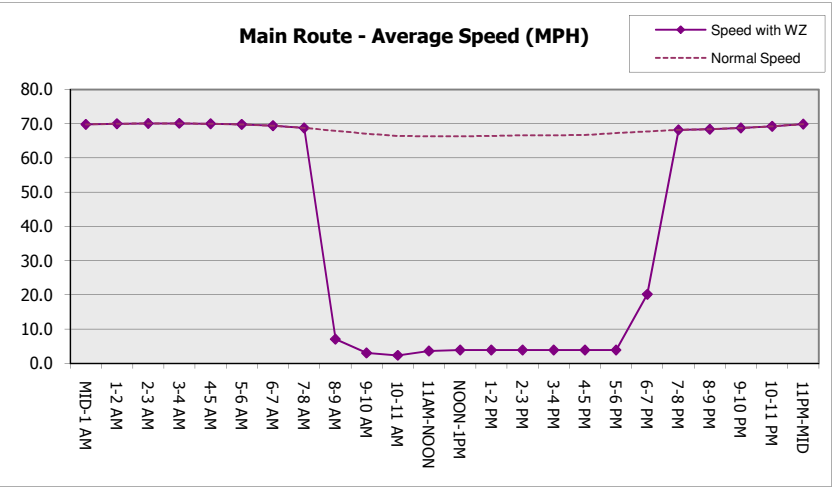
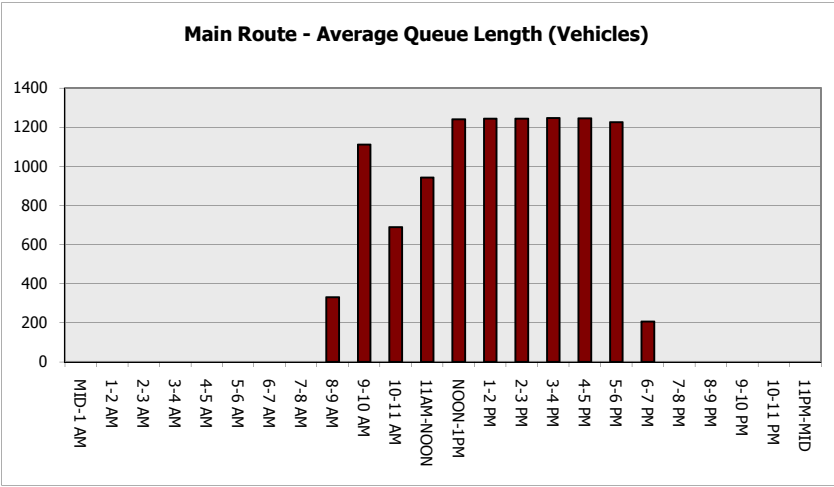
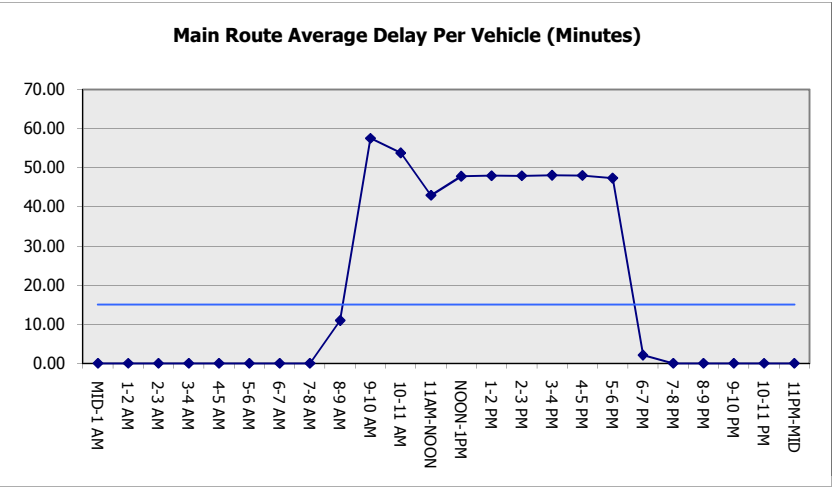
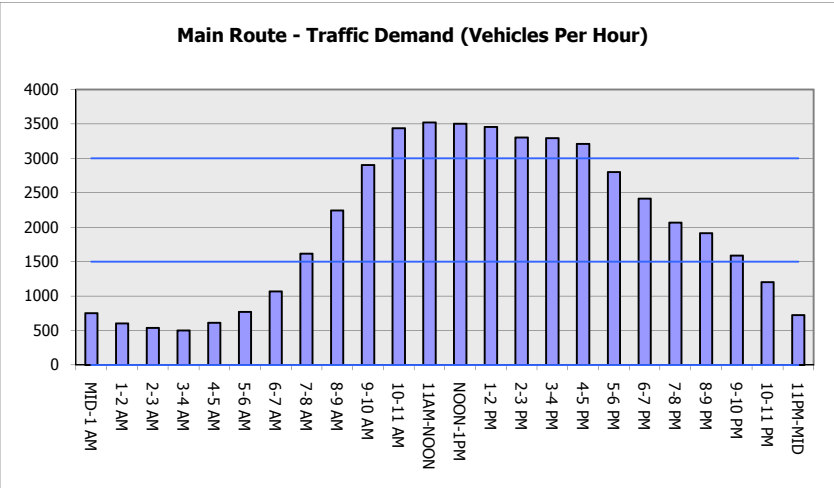
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0076
MAIN ROUTE WITH WORKS	0.0034
'DIVERSION'	0.0062
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$401,246
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

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



<b>IH 94: MN 96 TO STH 35 N OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	1499	3088	215	28.64+	804	66.6	4.7	30.8
9-10 AM	3961	0.0	1499	1445	2516	47.59+	1237	63.8	3.9	30.8
10-11 AM	4152	0.0	1499	1483	2669	47.89+	1246	62.5	3.9	30.8
11AM-NOON	3942	0.0	1499	1455	2487	47.69+	1239	63.9	3.9	30.8
NOON-1PM	3481	0.0	1499	1419	2062	47.46+	1230	66.4	3.9	30.8
1-2 PM	3139	0.0	1499	1423	1717	47.52+	1231	66.8	3.9	30.8
2-3 PM	3072	0.0	1499	1458	1614	47.86+	1240	66.9	3.9	30.8
3-4 PM	3086	0.0	1499	1480	1606	48.07+	1246	66.9	3.9	30.8
4-5 PM	2984	0.0	1499	1477	1507	47.80+	1238	67.0	3.9	30.8
5-6 PM	2562	0.0	1499	1483	1079	46.73+	1210	67.6	4.0	30.8
6-7 PM	2219	0.0	OFF	2219	0	1.96	193	68.0	21.1	21.1
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	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	0.0079
MAIN ROUTE WITH WORKS	0.0034
'DIVERSION'	0.0064

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$422,265
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

