

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  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	615	0.0	3000	615	0	0.18	0	70.0	57.8	49.7	
1-2 AM	532	0.0	3000	532	0	0.18	0	70.0	57.8	49.7	
2-3 AM	568	0.0	3000	568	0	0.18	0	70.0	57.8	49.7	
3-4 AM	813	0.0	3000	813	0	0.18	0	69.7	57.7	49.7	
4-5 AM	1496	0.0	3000	1496	0	0.17	0	68.9	57.4	49.7	
5-6 AM	2485	0.0	OFF	2485	0	0.00	0	67.6	67.6	67.6	
6-7 AM	2716	0.0	OFF	2716	0	0.00	0	67.4	67.4	67.4	
7-8 AM	2668	0.0	OFF	2668	0	0.00	0	67.4	67.4	67.4	
8-9 AM	2394	0.0	OFF	2394	0	0.00	0	67.8	67.8	67.8	
9-10 AM	2412	0.0	OFF	2412	0	0.00	0	67.8	67.8	67.8	
10-11 AM	2502	0.0	OFF	2502	0	0.00	0	67.6	67.6	67.6	
11AM-NOON	2599	0.0	OFF	2599	0	0.00	0	67.5	67.5	67.5	
NOON-1PM	2746	0.0	OFF	2746	0	0.00	0	67.3	67.3	67.3	
1-2 PM	3002	0.0	OFF	3002	0	0.00	0	67.0	67.0	67.0	
2-3 PM	3119	0.0	OFF	3119	0	0.00	0	66.9	66.9	66.9	
3-4 PM	3329	0.0	OFF	3329	0	0.00	0	66.6	66.6	66.6	
4-5 PM	3364	0.0	OFF	3364	0	0.00	0	66.6	66.6	66.6	
5-6 PM	2896	0.0	OFF	2896	0	0.00	0	67.1	67.1	67.1	
6-7 PM	2483	0.0	OFF	2483	0	0.00	0	67.6	67.6	67.6	
7-8 PM	2131	0.0	3000	2131	0	0.17	0	68.1	57.2	49.7	
8-9 PM	1869	0.0	3000	1869	0	0.17	0	68.4	57.3	49.7	
9-10 PM	1501	0.0	3000	1501	0	0.17	0	68.9	57.4	49.7	
10-11 PM	1128	0.0	3000	1128	0	0.18	0	69.3	57.6	49.7	
11PM-MID	743	0.0	3000	743	0	0.18	0	69.8	57.8	49.7	

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

*----- 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

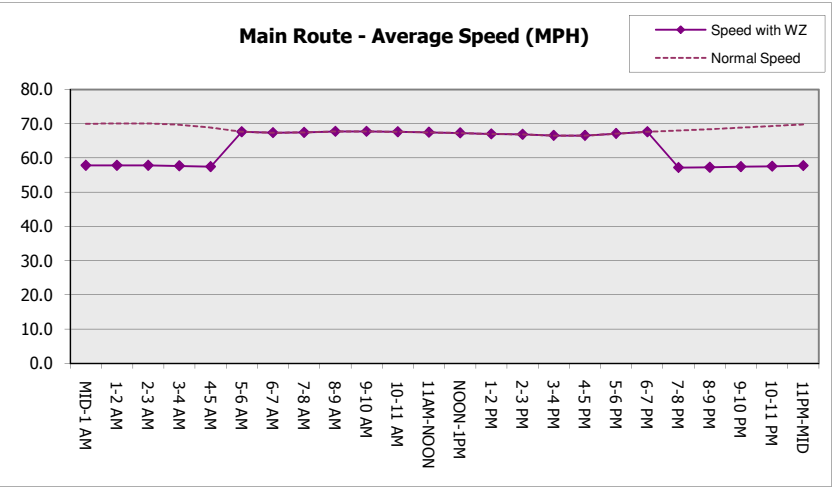
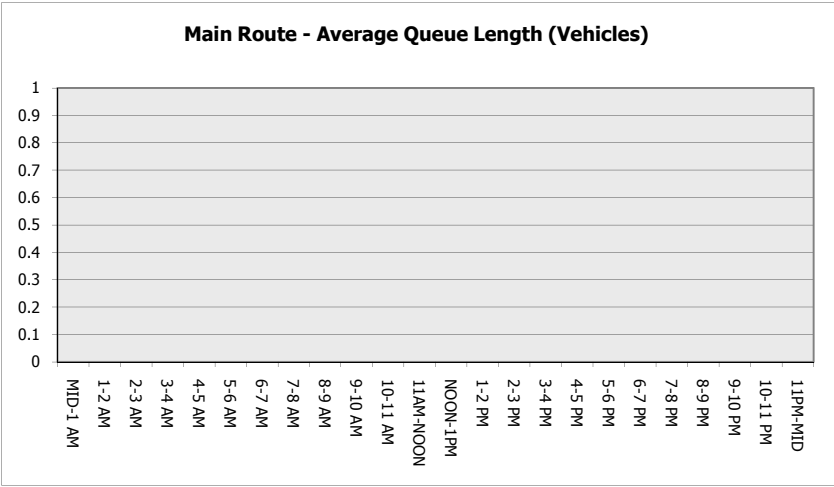
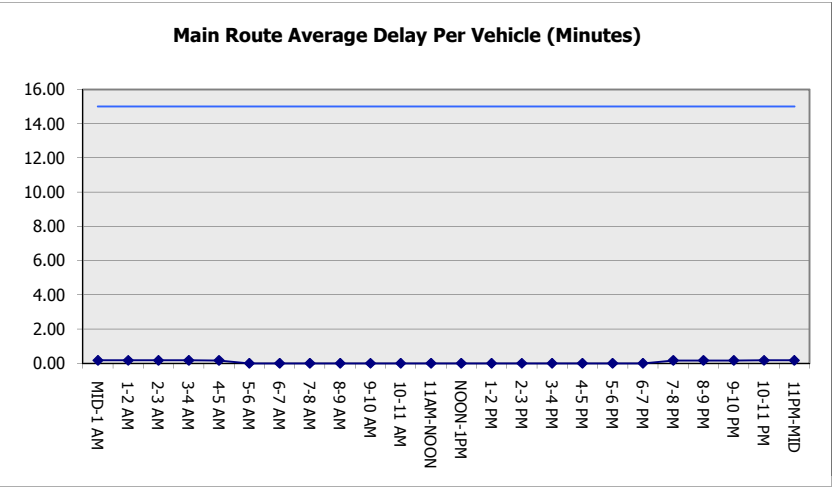
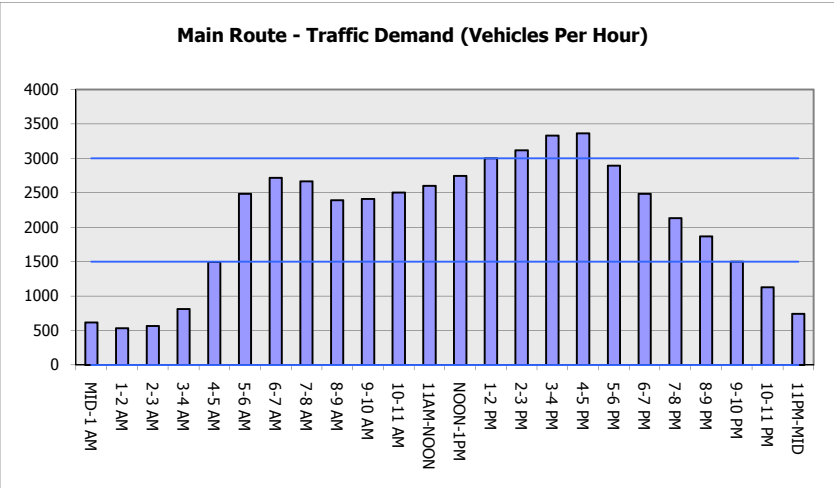
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0080
MAIN ROUTE WITH WORKS	0.0067
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$385
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
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**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**



<b>IH 94: MN 96 TO STH 35 N NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	569	0.0	3000	569	0	0.18	0	70.0	57.8	49.7
1-2 AM	407	0.0	3000	407	0	0.18	0	70.2	57.9	49.7
2-3 AM	355	0.0	3000	355	0	0.18	0	70.2	57.9	49.7
3-4 AM	409	0.0	3000	409	0	0.18	0	70.2	57.9	49.7
4-5 AM	614	0.0	3000	614	0	0.18	0	70.0	57.8	49.7
5-6 AM	1069	0.0	OFF	1069	0	0.00	0	69.4	69.4	69.4
6-7 AM	1796	0.0	OFF	1796	0	0.00	0	68.5	68.5	68.5
7-8 AM	2118	0.0	OFF	2118	0	0.00	0	68.1	68.1	68.1
8-9 AM	2348	0.0	OFF	2348	0	0.00	0	67.8	67.8	67.8
9-10 AM	2778	0.0	OFF	2778	0	0.00	0	67.3	67.3	67.3
10-11 AM	2905	0.0	OFF	2905	0	0.00	0	67.1	67.1	67.1
11AM-NOON	2888	0.0	OFF	2888	0	0.00	0	67.1	67.1	67.1
NOON-1PM	2922	0.0	OFF	2922	0	0.00	0	67.1	67.1	67.1
1-2 PM	3082	0.0	OFF	3082	0	0.00	0	66.9	66.9	66.9
2-3 PM	3350	0.0	OFF	3350	0	0.00	0	66.6	66.6	66.6
3-4 PM	3766	0.0	OFF	3766	0	0.00	0	65.1	65.1	65.1
4-5 PM	3538	0.0	OFF	3538	0	0.00	0	66.3	66.3	66.3
5-6 PM	2966	0.0	OFF	2966	0	0.00	0	67.1	67.1	67.1
6-7 PM	2583	0.0	OFF	2583	0	0.00	0	67.5	67.5	67.5
7-8 PM	2134	0.0	3000	2134	0	0.17	0	68.1	57.2	49.7
8-9 PM	1673	0.0	3000	1673	0	0.17	0	68.7	57.4	49.7
9-10 PM	1433	0.0	3000	1433	0	0.17	0	68.9	57.4	49.7
10-11 PM	1146	0.0	3000	1146	0	0.18	0	69.3	57.6	49.7
11PM-MID	733	0.0	3000	733	0	0.18	0	69.8	57.8	49.7

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

*----- 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	0.0065
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$321
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

