

IH 94: MN 96 TO STH 35 N OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	OFF	615	0	0.00	0	70.0	70.0	70.0
1-2 AM	532	0.0	OFF	532	0	0.00	0	70.0	70.0	70.0
2-3 AM	568	0.0	OFF	568	0	0.00	0	70.0	70.0	70.0
3-4 AM	813	0.0	OFF	813	0	0.00	0	69.7	69.7	69.7
4-5 AM	1496	0.0	OFF	1496	0	0.00	0	68.9	68.9	68.9
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	1499	2412	0	15.73	452	67.8	5.9	30.8
10-11 AM	2502	0.0	1500	1686	816	46.43+	1202	67.6	4.0	30.8
11AM-NOON	2599	0.0	1500	1559	1041	47.03+	1218	67.5	3.9	30.8
NOON-1PM	2746	0.0	1500	1548	1198	47.02+	1218	67.3	3.9	30.8
1-2 PM	3002	0.0	1500	1535	1467	47.67+	1235	67.0	3.9	30.8
2-3 PM	3119	0.0	1500	1515	1604	48.10+	1247	66.9	3.9	30.8
3-4 PM	3329	0.0	1500	1500	1829	48.25+	1251	66.6	3.9	30.8
4-5 PM	3364	0.0	OFF	3364	0	3.09	298	66.6	15.0	15.0
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	OFF	2131	0	0.00	0	68.1	68.1	68.1
8-9 PM	1869	0.0	OFF	1869	0	0.00	0	68.4	68.4	68.4
9-10 PM	1501	0.0	OFF	1501	0	0.00	0	68.9	68.9	68.9
10-11 PM	1128	0.0	OFF	1128	0	0.00	0	69.3	69.3	69.3
11PM-MID	743	0.0	OFF	743	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 (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

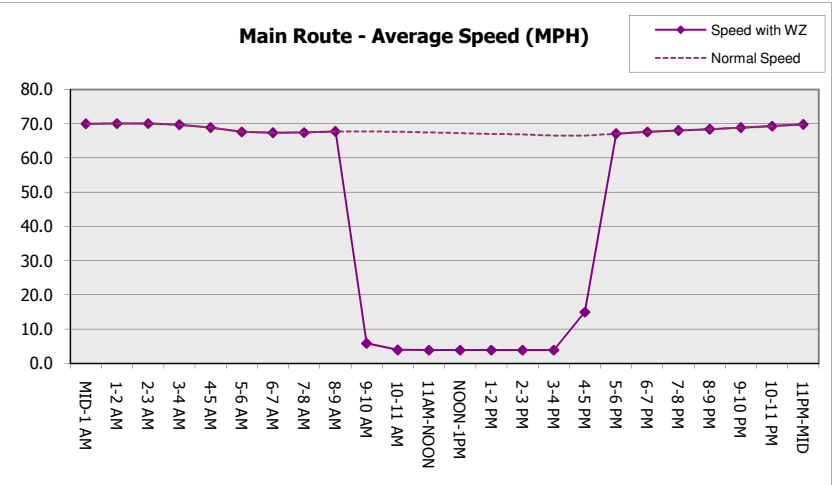
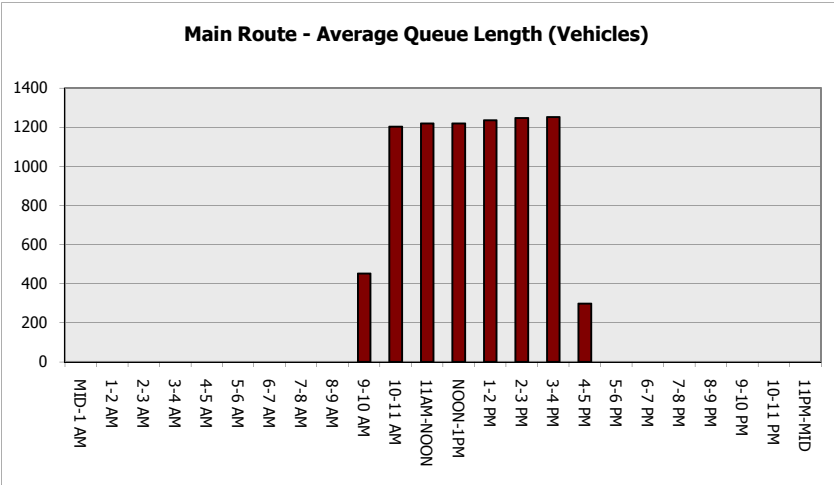
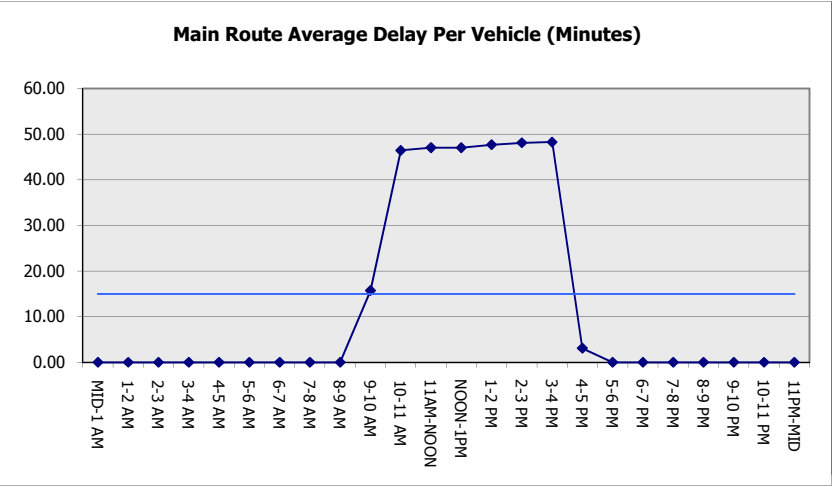
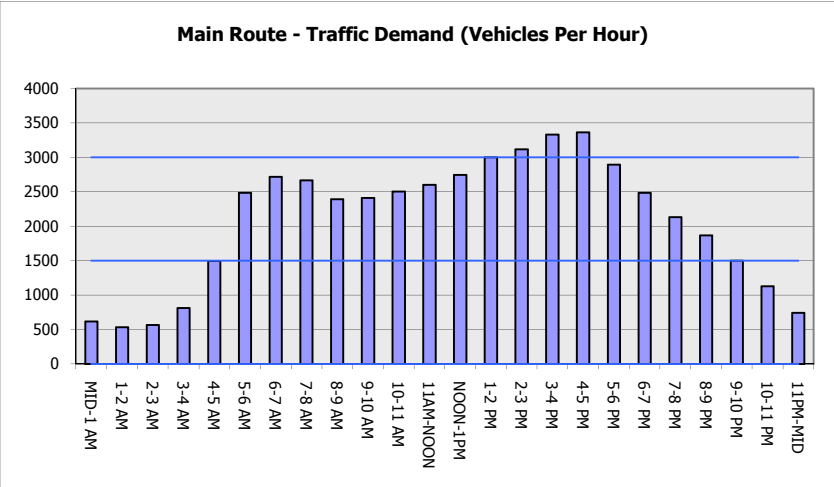
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0080
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0029
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$188,046
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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



IH 94: MN 96 TO STH 35 N OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	OFF	569	0	0.00	0	70.0	70.0	70.0
1-2 AM	407	0.0	OFF	407	0	0.00	0	70.2	70.2	70.2
2-3 AM	355	0.0	OFF	355	0	0.00	0	70.2	70.2	70.2
3-4 AM	409	0.0	OFF	409	0	0.00	0	70.2	70.2	70.2
4-5 AM	614	0.0	OFF	614	0	0.00	0	70.0	70.0	70.0
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	1499	2754	24	21.66+	620	67.3	5.2	30.8
10-11 AM	2905	0.0	1500	1485	1420	47.52+	1231	67.1	3.9	30.8
11AM-NOON	2888	0.0	1500	1493	1395	47.44+	1229	67.1	3.9	30.8
NOON-1PM	2922	0.0	1500	1505	1418	47.52+	1231	67.1	3.9	30.8
1-2 PM	3082	0.0	1500	1517	1565	47.98+	1243	66.9	3.9	30.8
2-3 PM	3350	0.0	1500	1500	1850	48.25+	1251	66.6	3.9	30.8
3-4 PM	3766	0.0	1500	1500	2266	48.18+	1251	65.1	3.9	30.8
4-5 PM	3538	0.0	OFF	3538	0	3.32	318	66.3	14.2	14.2
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	OFF	2134	0	0.00	0	68.1	68.1	68.1
8-9 PM	1673	0.0	OFF	1673	0	0.00	0	68.7	68.7	68.7
9-10 PM	1433	0.0	OFF	1433	0	0.00	0	68.9	68.9	68.9
10-11 PM	1146	0.0	OFF	1146	0	0.00	0	69.3	69.3	69.3
11PM-MID	733	0.0	OFF	733	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 (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	0.0047
'DIVERSION'	0.0037

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$211,222
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

