

IH 94: MN 96 TO STH 35 N NIGHTTIME 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	1500	615	0	0.28	0	70.0	52.9	43.1	
1-2 AM	532	0.0	1500	532	0	0.27	0	70.0	53.2	43.4	
2-3 AM	568	0.0	1500	568	0	0.27	0	70.0	53.1	43.2	
3-4 AM	813	0.0	1500	813	0	0.29	0	69.7	52.3	42.4	
4-5 AM	1496	0.0	1499	1496	0	0.99	25	68.9	32.3	33.3	
5-6 AM	2485	0.0	OFF	2485	0	0.02	1	67.6	66.4	66.4	
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	1499	2131	0	11.84	334	68.1	6.6	30.8	
8-9 PM	1869	0.0	1499	1869	0	32.30	834	68.4	4.3	30.8	
9-10 PM	1501	0.0	1499	1501	0	39.64	1023	68.9	4.1	30.8	
10-11 PM	1128	0.0	1499	1128	0	32.47	838	69.3	4.3	30.8	
11PM-MID	743	0.0	1499	743	0	4.36	276	69.8	15.0	37.9	

"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

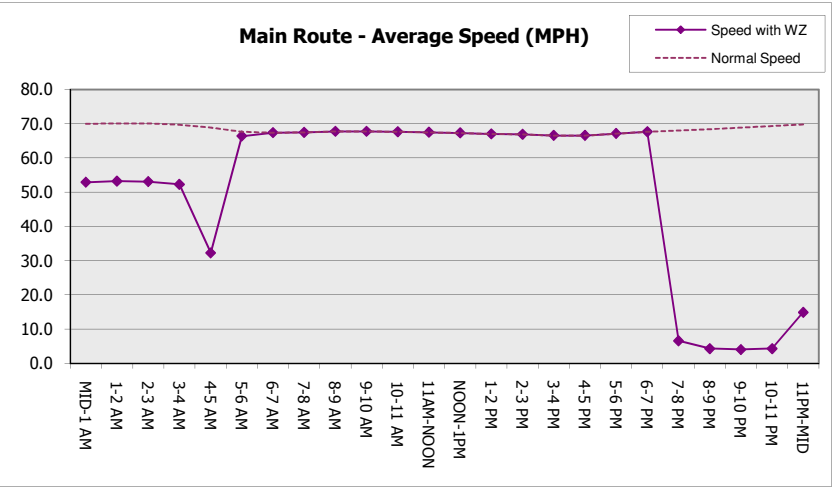
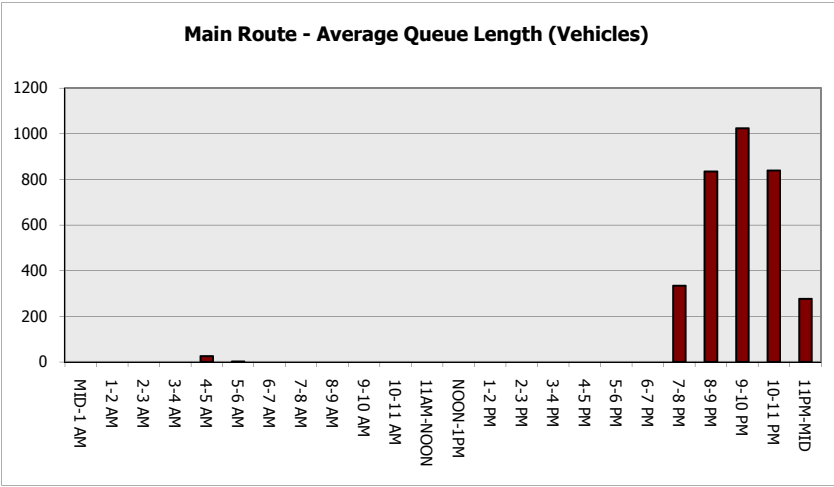
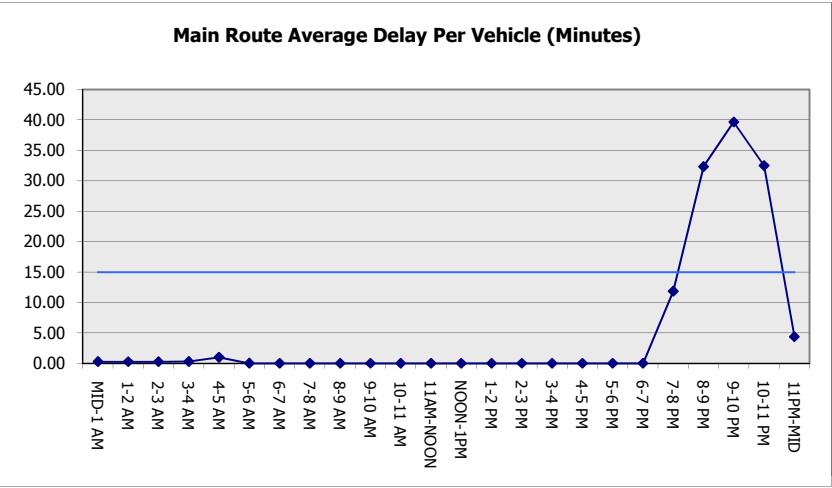
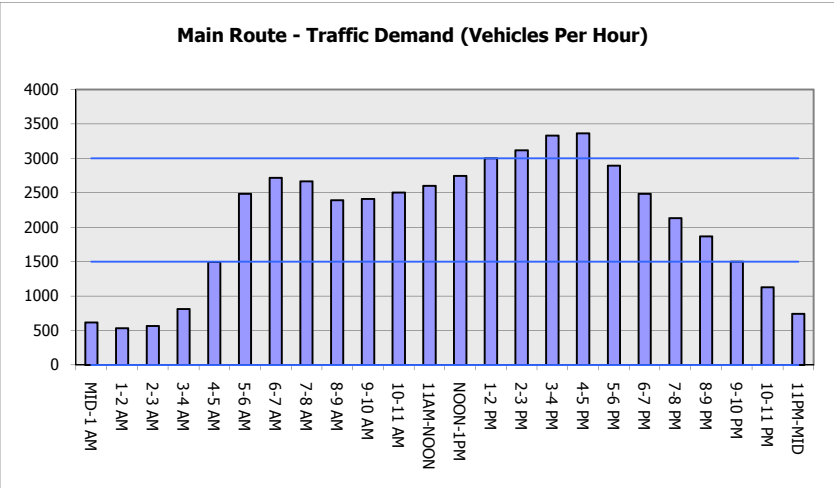
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0080
MAIN ROUTE WITH WORKS	0.0067
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,158
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MAY
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Construction Season

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



IH 94: MN 96 TO STH 35 N NIGHTTIME 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	1500	569	0	0.27	0	70.0	53.1	43.2
1-2 AM	407	0.0	1500	407	0	0.26	0	70.2	53.6	43.8
2-3 AM	355	0.0	1500	355	0	0.26	0	70.2	53.8	44.1
3-4 AM	409	0.0	1500	409	0	0.26	0	70.2	53.6	43.8
4-5 AM	614	0.0	1500	614	0	0.28	0	70.0	52.9	43.1
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	1499	2134	0	12.31	345	68.1	6.5	30.8
8-9 PM	1673	0.0	1499	1673	0	28.86	742	68.7	4.5	30.8
9-10 PM	1433	0.0	1499	1433	0	30.72	789	68.9	4.4	30.8
10-11 PM	1146	0.0	1499	1146	0	22.68	584	69.3	4.8	30.8
11PM-MID	733	0.0	1499	733	0	1.28	107	69.8	29.7	41.5

"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	\$35,251
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

