

IH 94: MN 96 TO STH 35 N NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	3000	888	0	0.18	0	69.6	57.7	49.7
1-2 AM	636	0.0	3000	636	0	0.18	0	69.9	57.8	49.7
2-3 AM	526	0.0	3000	526	0	0.18	0	70.0	57.8	49.7
3-4 AM	563	0.0	3000	563	0	0.18	0	70.0	57.8	49.7
4-5 AM	699	0.0	3000	699	0	0.18	0	69.9	57.8	49.7
5-6 AM	836	0.0	3000	836	0	0.18	0	69.7	57.7	49.7
6-7 AM	954	0.0	3000	954	0	0.18	0	69.6	57.7	49.7
7-8 AM	1485	0.0	3000	1485	0	0.17	0	68.9	57.4	49.7
8-9 AM	2028	0.0	OFF	2028	0	0.00	0	68.2	68.2	68.2
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	3000	2799	0	0.30	0	67.3	50.2	40.6
7-8 PM	2365	0.0	3000	2365	0	0.17	0	67.8	57.1	49.7
8-9 PM	2071	0.0	3000	2071	0	0.17	0	68.2	57.2	49.7
9-10 PM	1859	0.0	3000	1859	0	0.17	0	68.4	57.3	49.7
10-11 PM	1391	0.0	3000	1391	0	0.17	0	69.0	57.5	49.7
11PM-MID	906	0.0	3000	906	0	0.18	0	69.6	57.7	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

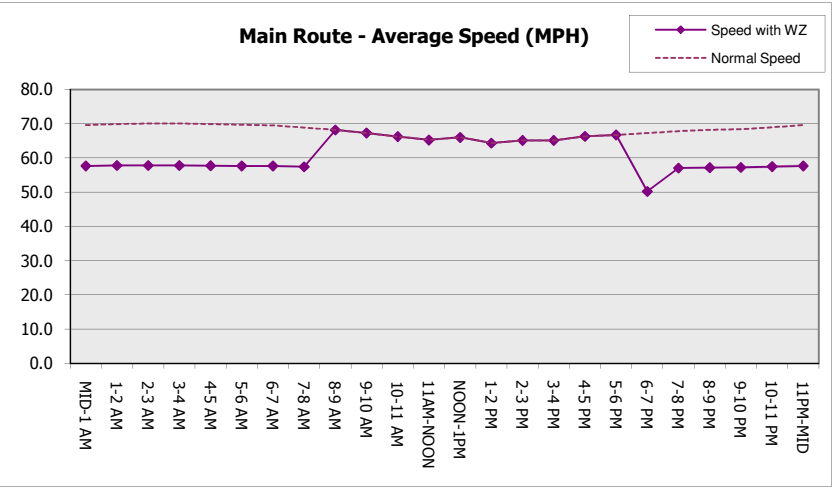
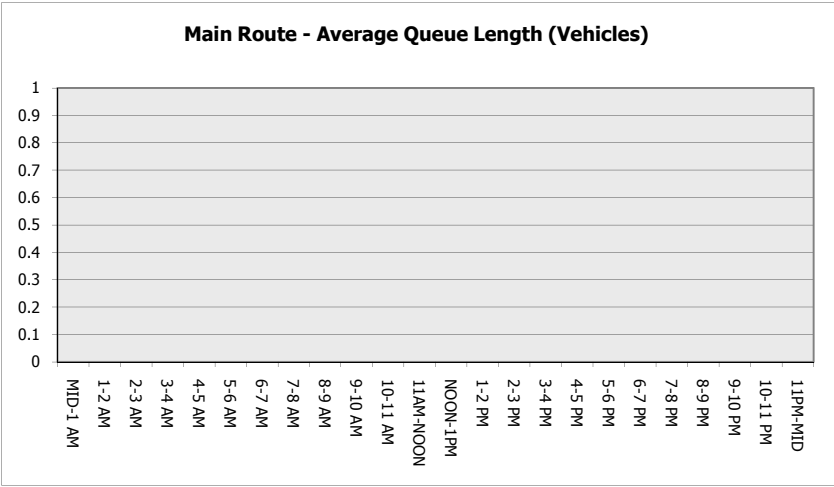
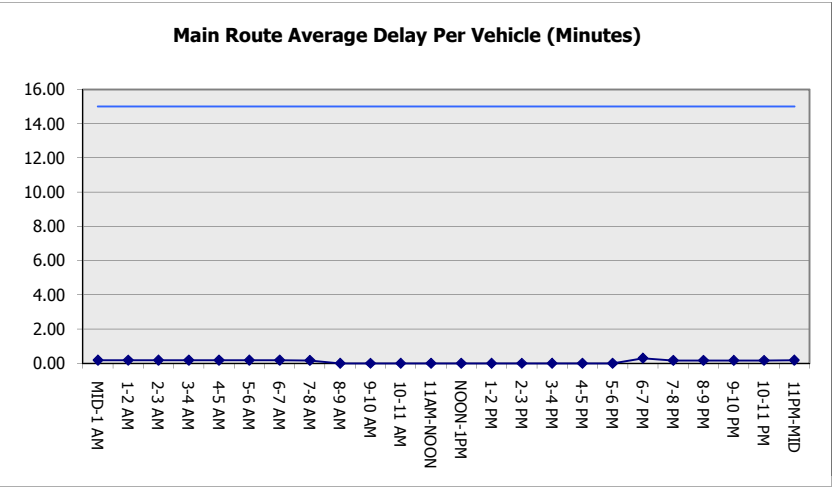
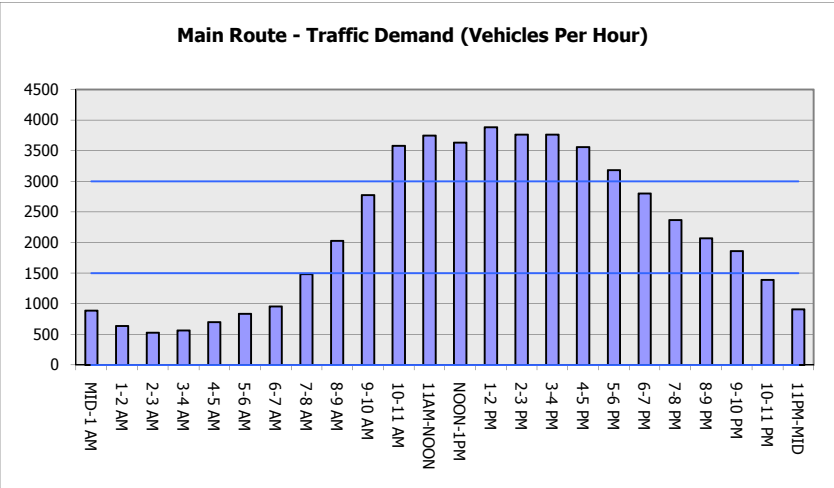
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0083
MAIN ROUTE WITH WORKS	0.0063
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$789
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



IH 94: MN 96 TO STH 35 N NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	914	0.0	3000	914	0	0.18	0	69.6	57.7	49.7
1-2 AM	542	0.0	3000	542	0	0.18	0	70.0	57.8	49.7
2-3 AM	447	0.0	3000	447	0	0.18	0	70.2	57.9	49.7
3-4 AM	406	0.0	3000	406	0	0.18	0	70.2	57.9	49.7
4-5 AM	506	0.0	3000	506	0	0.18	0	70.1	57.8	49.7
5-6 AM	757	0.0	3000	757	0	0.18	0	69.8	57.8	49.7
6-7 AM	1393	0.0	3000	1393	0	0.17	0	69.0	57.5	49.7
7-8 AM	2358	0.0	2999	2358	0	0.20	0	67.8	55.2	47.1
8-9 AM	3364	0.0	OFF	3364	0	0.00	0	66.6	66.6	66.6
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	3000	2389	0	0.17	0	67.8	57.0	49.6
7-8 PM	2079	0.0	3000	2079	0	0.17	0	68.1	57.2	49.7
8-9 PM	1832	0.0	3000	1832	0	0.17	0	68.4	57.3	49.7
9-10 PM	1545	0.0	3000	1545	0	0.17	0	68.8	57.4	49.7
10-11 PM	1225	0.0	3000	1225	0	0.18	0	69.2	57.6	49.7
11PM-MID	915	0.0	3000	915	0	0.18	0	69.6	57.7	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	0.0086
MAIN ROUTE WITH WORKS	0.0067
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$696
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

