

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

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	713	0.0	3000	713	0	0.18	0	69.9	57.8	49.7	
1-2 AM	620	0.0	3000	620	0	0.18	0	70.0	57.8	49.7	
2-3 AM	625	0.0	3000	625	0	0.18	0	70.0	57.8	49.7	
3-4 AM	873	0.0	3000	873	0	0.18	0	69.7	57.7	49.7	
4-5 AM	1599	0.0	3000	1599	0	0.17	0	68.7	57.4	49.7	
5-6 AM	2498	0.0	OFF	2498	0	0.00	0	67.6	67.6	67.6	
6-7 AM	2789	0.0	OFF	2789	0	0.00	0	67.3	67.3	67.3	
7-8 AM	2712	0.0	OFF	2712	0	0.00	0	67.4	67.4	67.4	
8-9 AM	2618	0.0	OFF	2618	0	0.00	0	67.5	67.5	67.5	
9-10 AM	2696	0.0	OFF	2696	0	0.00	0	67.4	67.4	67.4	
10-11 AM	2836	0.0	OFF	2836	0	0.00	0	67.2	67.2	67.2	
11AM-NOON	2944	0.0	OFF	2944	0	0.00	0	67.1	67.1	67.1	
NOON-1PM	3025	0.0	OFF	3025	0	0.00	0	67.0	67.0	67.0	
1-2 PM	3284	0.0	OFF	3284	0	0.00	0	66.6	66.6	66.6	
2-3 PM	3366	0.0	OFF	3366	0	0.00	0	66.6	66.6	66.6	
3-4 PM	3481	0.0	OFF	3481	0	0.00	0	66.4	66.4	66.4	
4-5 PM	3538	0.0	OFF	3538	0	0.00	0	66.3	66.3	66.3	
5-6 PM	3223	0.0	OFF	3223	0	0.00	0	66.8	66.8	66.8	
6-7 PM	2752	0.0	OFF	2752	0	0.00	0	67.3	67.3	67.3	
7-8 PM	2337	0.0	3000	2337	0	0.17	0	67.8	57.1	49.7	
8-9 PM	2029	0.0	3000	2029	0	0.17	0	68.2	57.2	49.7	
9-10 PM	1672	0.0	3000	1672	0	0.17	0	68.7	57.4	49.7	
10-11 PM	1253	0.0	3000	1253	0	0.18	0	69.2	57.6	49.7	
11PM-MID	848	0.0	3000	848	0	0.18	0	69.7	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

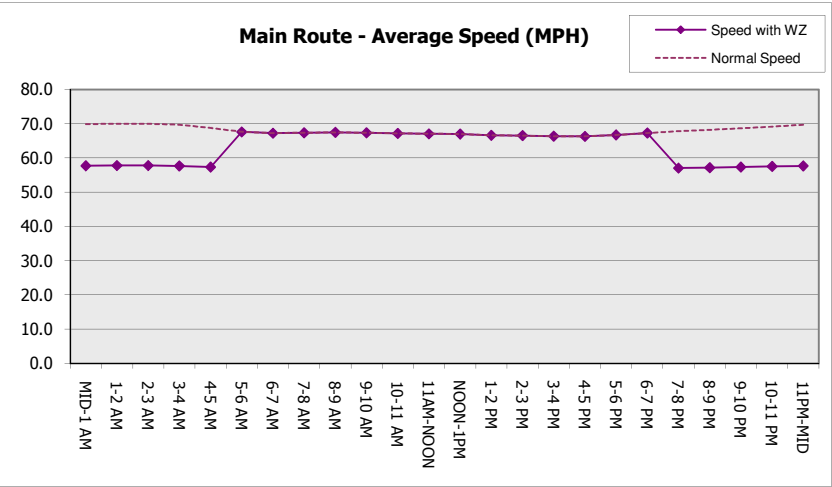
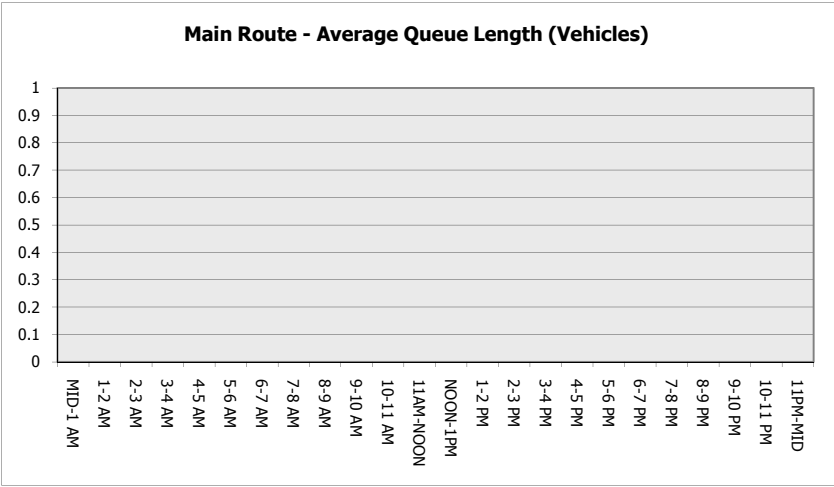
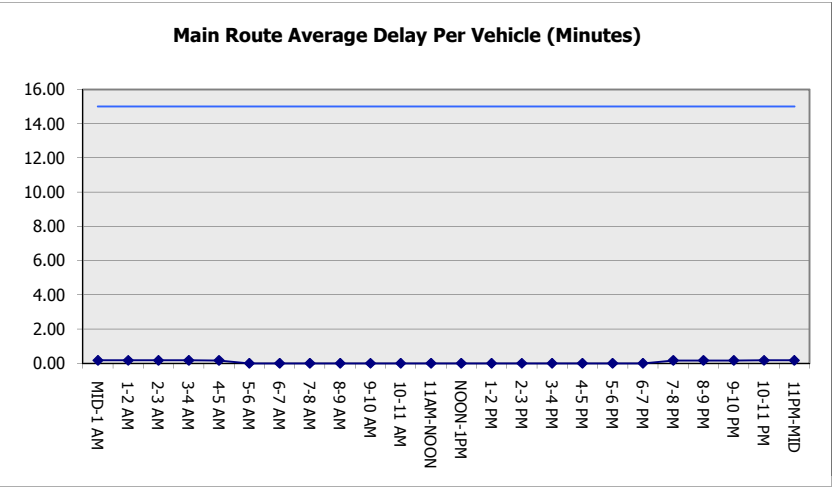
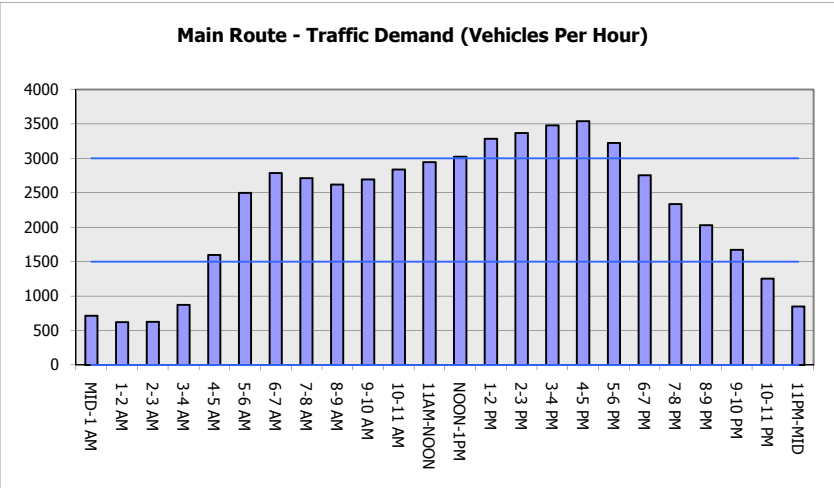
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0086
MAIN ROUTE WITH WORKS	0.0073
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$424
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

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	661	0.0	3000	661	0	0.18	0	69.9	57.8	49.7
1-2 AM	442	0.0	3000	442	0	0.18	0	70.2	57.9	49.7
2-3 AM	389	0.0	3000	389	0	0.18	0	70.2	57.9	49.7
3-4 AM	447	0.0	3000	447	0	0.18	0	70.2	57.9	49.7
4-5 AM	646	0.0	3000	646	0	0.18	0	69.9	57.8	49.7
5-6 AM	1096	0.0	OFF	1096	0	0.00	0	69.4	69.4	69.4
6-7 AM	1920	0.0	OFF	1920	0	0.00	0	68.4	68.4	68.4
7-8 AM	2406	0.0	OFF	2406	0	0.00	0	67.8	67.8	67.8
8-9 AM	2656	0.0	OFF	2656	0	0.00	0	67.4	67.4	67.4
9-10 AM	3225	0.0	OFF	3225	0	0.00	0	66.7	66.7	66.7
10-11 AM	3486	0.0	OFF	3486	0	0.00	0	66.4	66.4	66.4
11AM-NOON	3405	0.0	OFF	3405	0	0.00	0	66.5	66.5	66.5
NOON-1PM	3337	0.0	OFF	3337	0	0.00	0	66.6	66.6	66.6
1-2 PM	3469	0.0	OFF	3469	0	0.00	0	66.4	66.4	66.4
2-3 PM	3717	0.0	OFF	3717	0	0.00	0	65.5	65.5	65.5
3-4 PM	3902	0.0	OFF	3902	0	0.00	0	64.2	64.2	64.2
4-5 PM	3836	0.0	OFF	3836	0	0.00	0	64.6	64.6	64.6
5-6 PM	3292	0.0	OFF	3292	0	0.00	0	66.6	66.6	66.6
6-7 PM	2865	0.0	OFF	2865	0	0.00	0	67.2	67.2	67.2
7-8 PM	2301	0.0	3000	2301	0	0.17	0	67.9	57.1	49.7
8-9 PM	1950	0.0	3000	1950	0	0.17	0	68.3	57.3	49.7
9-10 PM	1622	0.0	3000	1622	0	0.17	0	68.7	57.4	49.7
10-11 PM	1367	0.0	3000	1367	0	0.17	0	69.1	57.5	49.7
11PM-MID	900	0.0	3000	900	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	0.0085
MAIN ROUTE WITH WORKS	0.0073
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$360
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

