

IH 94: MN 96 TO STH 35 N OFF-PEAK DAY 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	OFF	713	0	0.00	0	69.9	69.9	69.9	
1-2 AM	620	0.0	OFF	620	0	0.00	0	70.0	70.0	70.0	
2-3 AM	625	0.0	OFF	625	0	0.00	0	70.0	70.0	70.0	
3-4 AM	873	0.0	OFF	873	0	0.00	0	69.7	69.7	69.7	
4-5 AM	1599	0.0	OFF	1599	0	0.00	0	68.7	68.7	68.7	
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	3000	2696	0	0.27	0	67.4	51.8	42.5	
10-11 AM	2836	0.0	3000	2836	0	0.31	0	67.2	49.7	39.9	
11AM-NOON	2944	0.0	2999	2944	0	0.35	0	67.1	48.2	38.1	
NOON-1PM	3025	0.0	2999	3025	0	0.50	8	67.0	43.0	37.4	
1-2 PM	3284	0.0	3000	3284	0	3.03	164	66.6	16.7	37.3	
2-3 PM	3366	0.0	3000	3366	0	9.20	494	66.6	9.9	37.3	
3-4 PM	3481	0.0	3000	3481	0	16.94	919	66.4	8.3	37.3	
4-5 PM	3538	0.0	OFF	3538	0	2.88	275	66.3	15.9	15.9	
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	OFF	2337	0	0.00	0	67.8	67.8	67.8	
8-9 PM	2029	0.0	OFF	2029	0	0.00	0	68.2	68.2	68.2	
9-10 PM	1672	0.0	OFF	1672	0	0.00	0	68.7	68.7	68.7	
10-11 PM	1253	0.0	OFF	1253	0	0.00	0	69.2	69.2	69.2	
11PM-MID	848	0.0	OFF	848	0	0.00	0	69.7	69.7	69.7	

"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

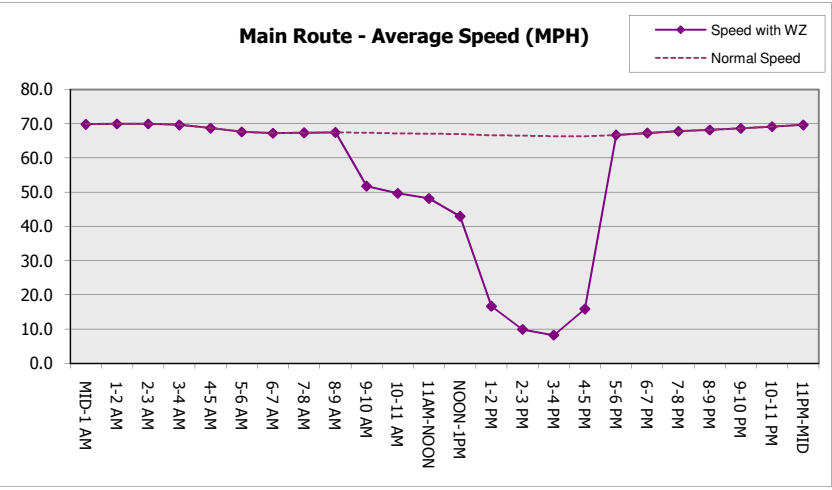
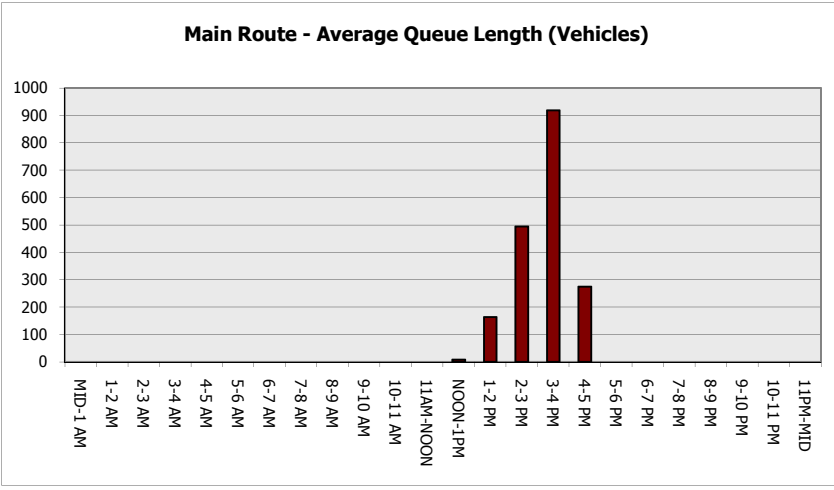
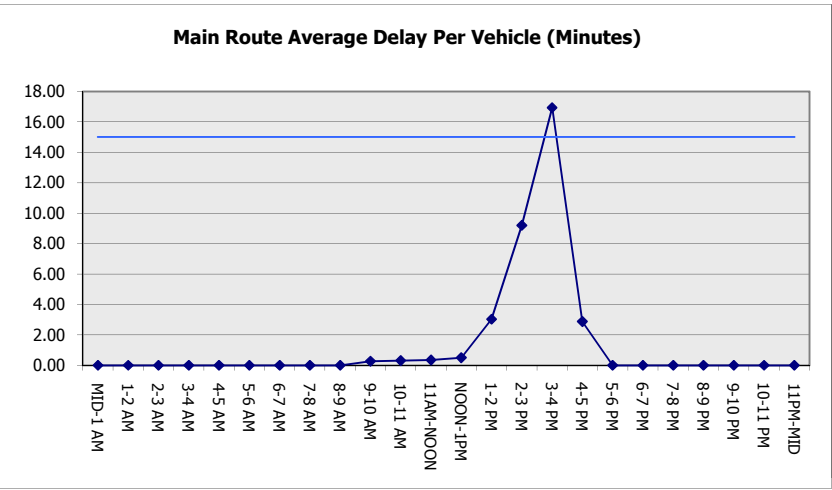
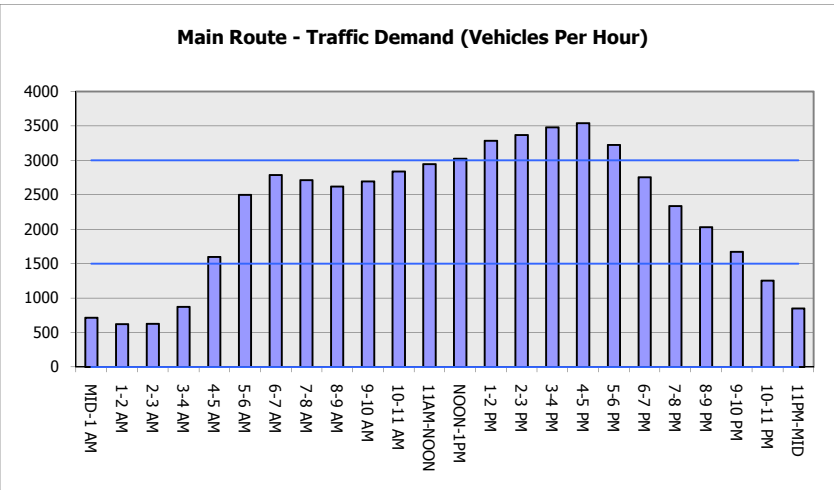
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0086
MAIN ROUTE WITH WORKS	0.0063
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$20,322
CONGESTED HOURS PER DAY*	0

*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 CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	661	0.0	OFF	661	0	0.00	0	69.9	69.9	69.9
1-2 AM	442	0.0	OFF	442	0	0.00	0	70.2	70.2	70.2
2-3 AM	389	0.0	OFF	389	0	0.00	0	70.2	70.2	70.2
3-4 AM	447	0.0	OFF	447	0	0.00	0	70.2	70.2	70.2
4-5 AM	646	0.0	OFF	646	0	0.00	0	69.9	69.9	69.9
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	2999	3225	0	1.58	86	66.7	24.7	37.3
10-11 AM	3486	0.0	3000	3486	0	8.48	463	66.4	10.2	37.3
11AM-NOON	3405	0.0	2999	3405	0	16.96	918	66.5	8.3	37.3
NOON-1PM	3337	0.0	2999	3337	0	23.61	1283	66.6	7.7	37.3
1-2 PM	3469	0.0	3000	3469	0	30.73	1676	66.4	7.3	37.3
2-3 PM	3717	0.0	2999	3717	0	41.37+	2267	65.5	7.1	37.3
3-4 PM	3902	0.0	2999	2993	909	47.69+	2620	64.2	7.0	37.3
4-5 PM	3836	0.0	OFF	3836	0	15.78	1550	64.6	3.6	3.6
5-6 PM	3292	0.0	OFF	3292	0	0.43	40	66.6	45.2	45.2
6-7 PM	2865	0.0	OFF	2865	0	0.00	0	67.2	67.2	67.2
7-8 PM	2301	0.0	OFF	2301	0	0.00	0	67.9	67.9	67.9
8-9 PM	1950	0.0	OFF	1950	0	0.00	0	68.3	68.3	68.3
9-10 PM	1622	0.0	OFF	1622	0	0.00	0	68.7	68.7	68.7
10-11 PM	1367	0.0	OFF	1367	0	0.00	0	69.1	69.1	69.1
11PM-MID	900	0.0	OFF	900	0	0.00	0	69.6	69.6	69.6

"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	0.0085
MAIN ROUTE WITH WORKS	0.0058
'DIVERSION'	0.0003

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$120,909
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

