

IH 43: STH 54/57 TO STH 172 (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR SOUTHBOUND 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	118	0.0	OFF	118	0	0.00	0	66.1	66.1	66.1	
1-2 AM	70	0.0	OFF	70	0	0.00	0	66.3	66.3	66.3	
2-3 AM	73	0.0	OFF	73	0	0.00	0	66.3	66.3	66.3	
3-4 AM	105	0.0	OFF	105	0	0.00	0	66.2	66.2	66.2	
4-5 AM	272	0.0	OFF	272	0	0.00	0	65.9	65.9	65.9	
5-6 AM	846	0.0	OFF	846	0	0.00	0	64.8	64.8	64.8	
6-7 AM	1702	0.0	OFF	1702	0	0.00	0	63.2	63.2	63.2	
7-8 AM	2177	0.0	OFF	2177	0	0.00	0	62.3	62.3	62.3	
8-9 AM	1483	0.0	OFF	1483	0	0.00	0	63.7	63.7	63.7	
9-10 AM	1327	0.0	OFF	1327	0	0.00	0	63.9	63.9	63.9	
10-11 AM	1434	0.0	1499	1434	0	0.94	0	63.7	53.3	32.2	
11AM-NOON	1521	0.0	1499	1521	0	1.27	6	63.5	50.2	30.8	
NOON-1PM	1555	0.0	1500	1555	0	2.73	47	63.5	40.5	30.8	
1-2 PM	1574	0.0	1499	1574	0	5.00	108	63.5	31.2	30.8	
2-3 PM	1689	0.0	1500	1689	0	9.55	237	63.2	21.2	30.8	
3-4 PM	1799	0.0	OFF	1799	0	0.44	26	63.0	57.8	57.8	
4-5 PM	2039	0.0	OFF	2039	0	0.00	0	62.6	62.6	62.6	
5-6 PM	1927	0.0	OFF	1927	0	0.00	0	62.8	62.8	62.8	
6-7 PM	1319	0.0	OFF	1319	0	0.00	0	63.9	63.9	63.9	
7-8 PM	942	0.0	OFF	942	0	0.00	0	64.6	64.6	64.6	
8-9 PM	804	0.0	OFF	804	0	0.00	0	64.9	64.9	64.9	
9-10 PM	581	0.0	OFF	581	0	0.00	0	65.3	65.3	65.3	
10-11 PM	374	0.0	OFF	374	0	0.00	0	65.7	65.7	65.7	
11PM-MID	204	0.0	OFF	204	0	0.00	0	66.0	66.0	66.0	

"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

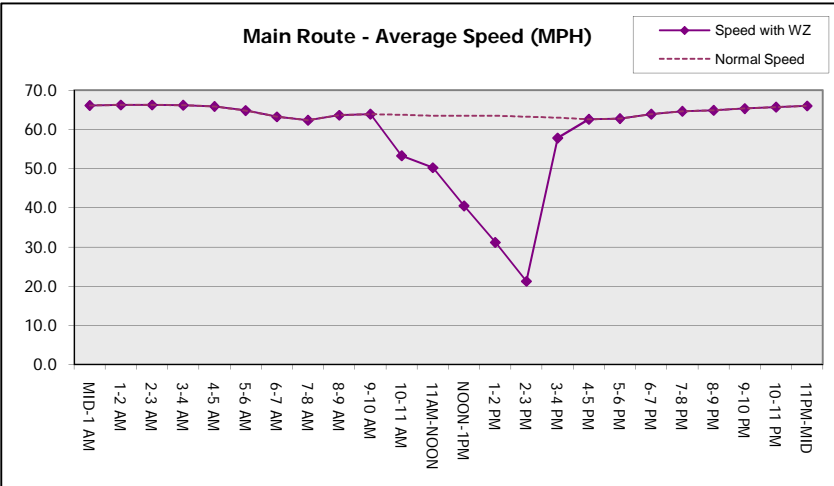
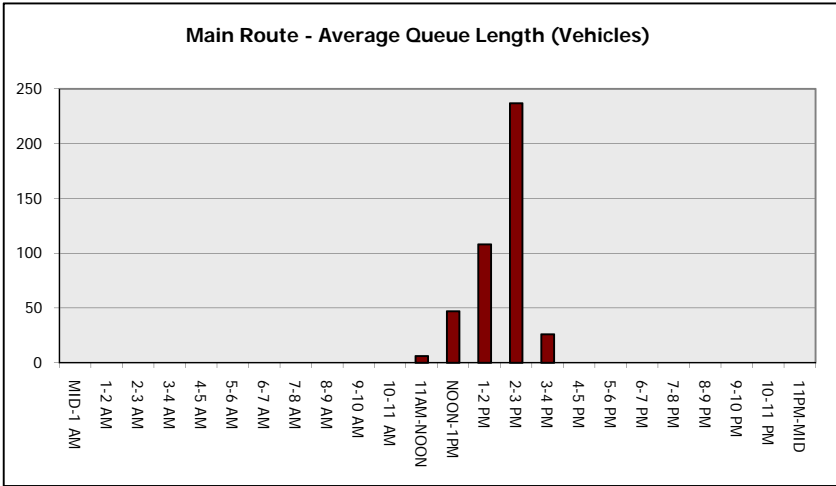
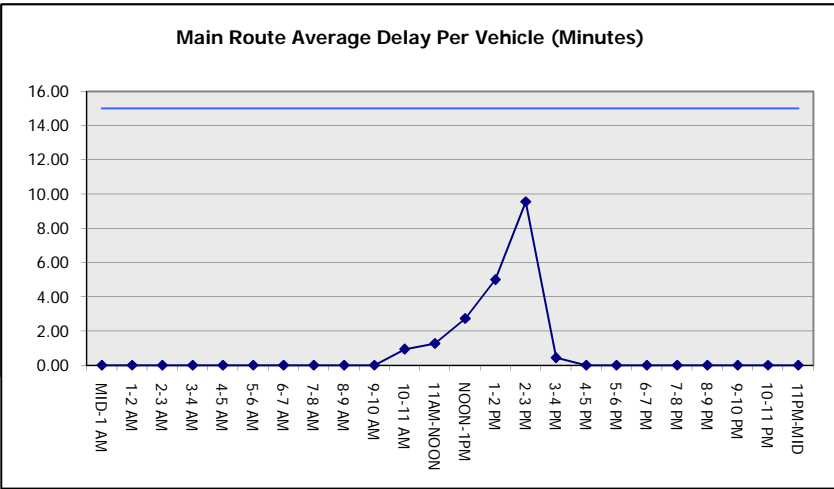
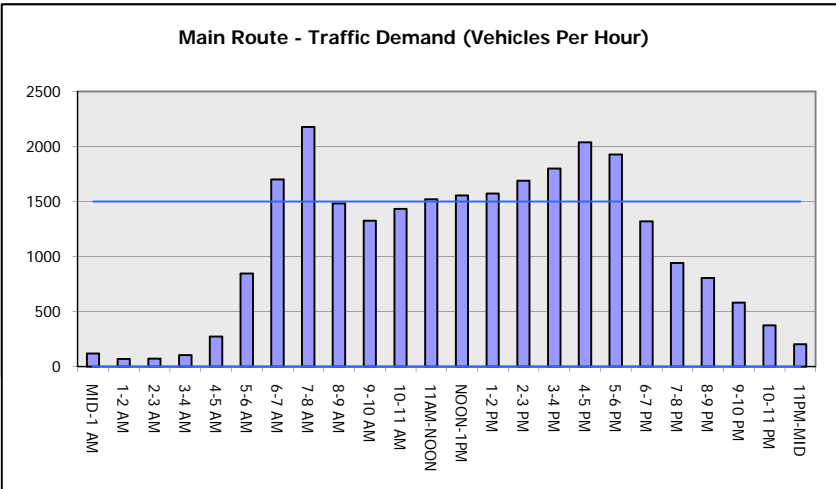
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0211
MAIN ROUTE WITH WORKS	0.0205
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,113
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR NORTHBOUND 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	171	0.0	OFF	171	0	0.00	0	66.1	66.1	66.1
1-2 AM	104	0.0	OFF	104	0	0.00	0	66.2	66.2	66.2
2-3 AM	84	0.0	OFF	84	0	0.00	0	66.2	66.2	66.2
3-4 AM	74	0.0	OFF	74	0	0.00	0	66.3	66.3	66.3
4-5 AM	143	0.0	OFF	143	0	0.00	0	66.1	66.1	66.1
5-6 AM	430	0.0	OFF	430	0	0.00	0	65.6	65.6	65.6
6-7 AM	935	0.0	OFF	935	0	0.00	0	64.6	64.6	64.6
7-8 AM	1373	0.0	OFF	1373	0	0.00	0	63.8	63.8	63.8
8-9 AM	1158	0.0	OFF	1158	0	0.00	0	64.2	64.2	64.2
9-10 AM	1094	0.0	OFF	1094	0	0.00	0	64.3	64.3	64.3
10-11 AM	1174	0.0	1500	1174	0	0.60	0	64.2	57.0	39.3
11AM-NOON	1261	0.0	1500	1261	0	0.72	0	64.0	55.7	36.6
NOON-1PM	1373	0.0	1500	1373	0	0.86	0	63.8	54.1	33.6
1-2 PM	1401	0.0	1499	1401	0	0.90	0	63.8	53.7	33.0
2-3 PM	1557	0.0	1499	1557	0	1.53	15	63.5	48.2	30.9
3-4 PM	1917	0.0	OFF	1917	0	0.02	0	62.8	62.5	62.5
4-5 PM	2430	0.0	OFF	2430	0	0.00	0	61.6	61.6	61.6
5-6 PM	2279	0.0	OFF	2279	0	0.00	0	62.2	62.2	62.2
6-7 PM	1436	0.0	OFF	1436	0	0.00	0	63.7	63.7	63.7
7-8 PM	1011	0.0	OFF	1011	0	0.00	0	64.5	64.5	64.5
8-9 PM	940	0.0	OFF	940	0	0.00	0	64.6	64.6	64.6
9-10 PM	747	0.0	OFF	747	0	0.00	0	65.0	65.0	65.0
10-11 PM	500	0.0	OFF	500	0	0.00	0	65.5	65.5	65.5
11PM-MID	341	0.0	OFF	341	0	0.00	0	65.8	65.8	65.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0194
MAIN ROUTE WITH WORKS	0.0190
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,225
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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