

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	220	0.0	OFF	220	0	0.00	0	66.0	66.0	66.0	
1-2 AM	129	0.0	OFF	129	0	0.00	0	66.1	66.1	66.1	
2-3 AM	127	0.0	OFF	127	0	0.00	0	66.1	66.1	66.1	
3-4 AM	83	0.0	OFF	83	0	0.00	0	66.3	66.3	66.3	
4-5 AM	112	0.0	OFF	112	0	0.00	0	66.2	66.2	66.2	
5-6 AM	162	0.0	OFF	162	0	0.00	0	66.1	66.1	66.1	
6-7 AM	273	0.0	OFF	273	0	0.00	0	65.9	65.9	65.9	
7-8 AM	468	0.0	OFF	468	0	0.00	0	65.5	65.5	65.5	
8-9 AM	678	0.0	OFF	678	0	0.00	0	65.1	65.1	65.1	
9-10 AM	1082	0.0	1499	1082	0	0.57	0	64.4	57.5	40.2	
10-11 AM	1545	0.0	1499	1545	0	1.56	17	63.5	47.9	31.3	
11AM-NOON	1848	0.0	1500	1848	0	8.57	227	63.0	22.8	30.8	
NOON-1PM	2099	0.0	1499	1500	599	15.77+	399	62.5	14.8	30.8	
1-2 PM	2087	0.0	1500	1500	587	15.77+	400	62.5	14.8	30.8	
2-3 PM	2003	0.0	1500	1500	503	15.78+	400	62.7	14.8	30.8	
3-4 PM	2095	0.0	1500	1500	595	15.77+	400	62.5	14.8	30.8	
4-5 PM	1913	0.0	1500	1500	413	15.79+	400	62.8	14.8	30.8	
5-6 PM	1759	0.0	1500	1500	259	15.82+	400	63.1	14.8	30.8	
6-7 PM	1509	0.0	1499	1450	58	15.47+	389	63.6	15.1	30.8	
7-8 PM	1204	0.0	OFF	1204	0	0.42	24	64.1	59.0	59.0	
8-9 PM	947	0.0	OFF	947	0	0.00	0	64.6	64.6	64.6	
9-10 PM	551	0.0	OFF	551	0	0.00	0	65.3	65.3	65.3	
10-11 PM	341	0.0	OFF	341	0	0.00	0	65.8	65.8	65.8	
11PM-MID	187	0.0	OFF	187	0	0.00	0	66.0	66.0	66.0	

"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

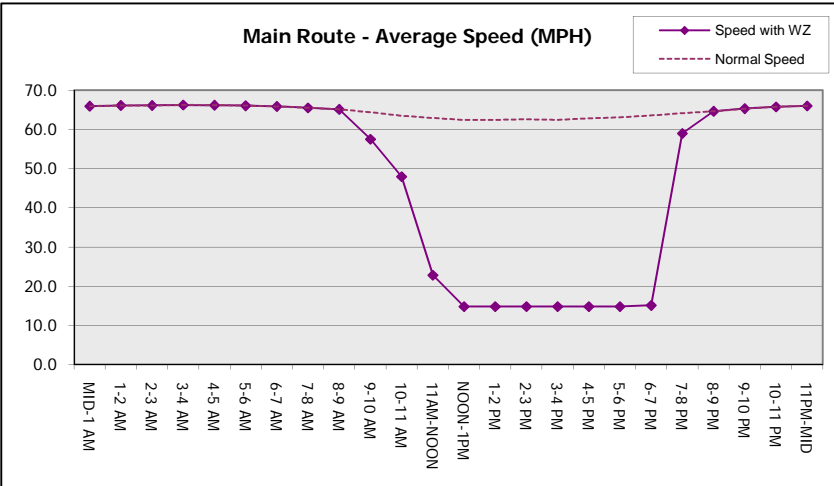
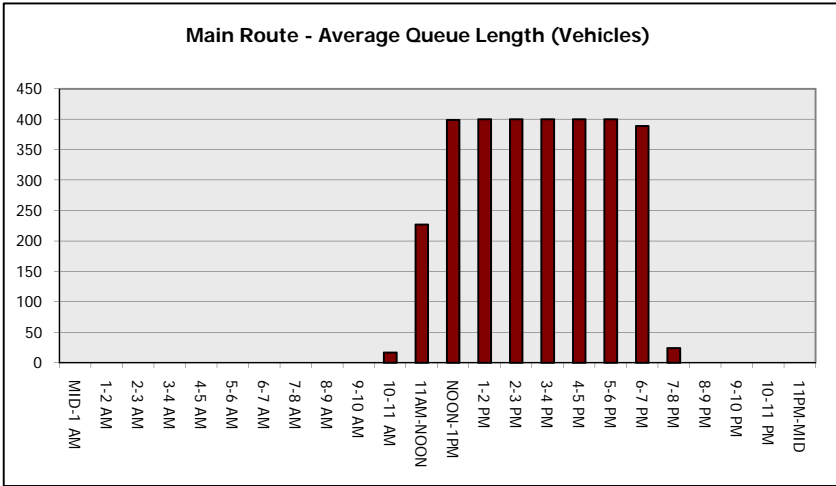
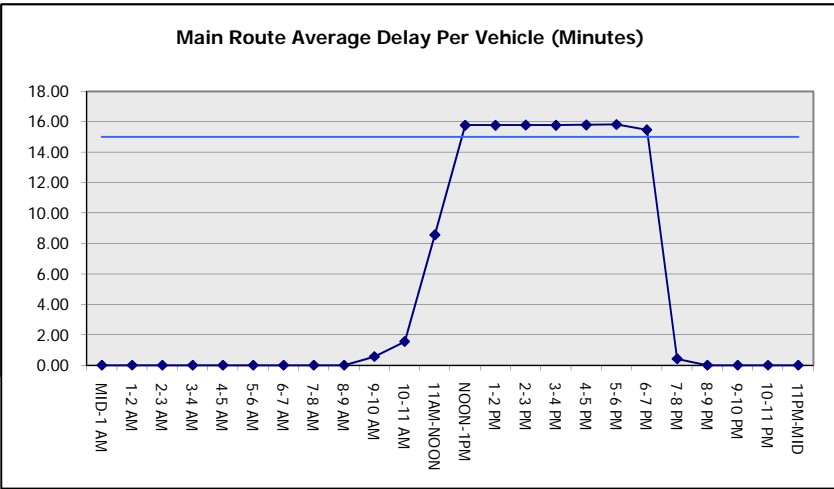
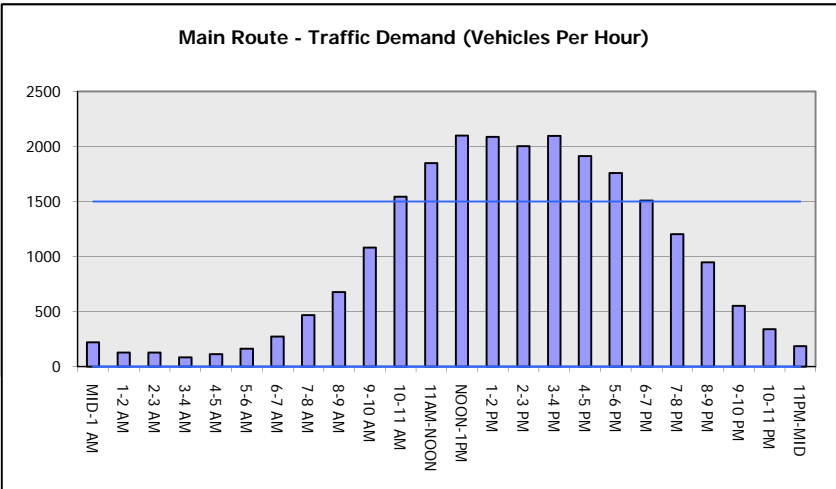
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0190
MAIN ROUTE WITH WORKS	0.0156
'DIVERSION'	0.0057
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$63,752
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	261	0.0	OFF	261	0	0.00	0	65.9	65.9	65.9
1-2 AM	164	0.0	OFF	164	0	0.00	0	66.1	66.1	66.1
2-3 AM	146	0.0	OFF	146	0	0.00	0	66.1	66.1	66.1
3-4 AM	82	0.0	OFF	82	0	0.00	0	66.3	66.3	66.3
4-5 AM	82	0.0	OFF	82	0	0.00	0	66.3	66.3	66.3
5-6 AM	127	0.0	OFF	127	0	0.00	0	66.1	66.1	66.1
6-7 AM	199	0.0	OFF	199	0	0.00	0	66.0	66.0	66.0
7-8 AM	255	0.0	OFF	255	0	0.00	0	65.9	65.9	65.9
8-9 AM	419	0.0	OFF	419	0	0.00	0	65.6	65.6	65.6
9-10 AM	671	0.0	1500	671	0	0.49	0	65.1	59.0	42.8
10-11 AM	999	0.0	1500	999	0	0.52	0	64.5	58.2	41.7
11AM-NOON	1228	0.0	1500	1228	0	0.67	0	64.1	56.2	37.6
NOON-1PM	1310	0.0	1500	1310	0	0.78	0	64.0	55.0	35.2
1-2 PM	1314	0.0	1500	1314	0	0.78	0	64.0	55.0	35.1
2-3 PM	1282	0.0	1500	1282	0	0.74	0	64.0	55.4	36.0
3-4 PM	1272	0.0	1500	1272	0	0.73	0	64.0	55.5	36.3
4-5 PM	1243	0.0	1500	1243	0	0.69	0	64.1	56.0	37.1
5-6 PM	1129	0.0	1500	1129	0	0.54	0	64.3	57.7	40.9
6-7 PM	1042	0.0	1500	1042	0	0.52	0	64.5	58.1	41.5
7-8 PM	811	0.0	OFF	811	0	0.00	0	64.9	64.9	64.9
8-9 PM	705	0.0	OFF	705	0	0.00	0	65.1	65.1	65.1
9-10 PM	534	0.0	OFF	534	0	0.00	0	65.4	65.4	65.4
10-11 PM	388	0.0	OFF	388	0	0.00	0	65.6	65.6	65.6
11PM-MID	265	0.0	OFF	265	0	0.00	0	65.9	65.9	65.9

"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	0.0129
MAIN ROUTE WITH WORKS	0.0122
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,095
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**SUNDAY NORTHBOUND DIRECTION**

