

<b>IH 43: STH 54/57 TO STH 172 (BROWN COUNTY)                  OFF-PEAK DAY CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</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	157	0.0	OFF	157	0	0.00	0	66.1	66.1	66.1	
1-2 AM	94	0.0	OFF	94	0	0.00	0	66.2	66.2	66.2	
2-3 AM	93	0.0	OFF	93	0	0.00	0	66.2	66.2	66.2	
3-4 AM	69	0.0	OFF	69	0	0.00	0	66.3	66.3	66.3	
4-5 AM	88	0.0	OFF	88	0	0.00	0	66.2	66.2	66.2	
5-6 AM	156	0.0	OFF	156	0	0.00	0	66.1	66.1	66.1	
6-7 AM	248	0.0	OFF	248	0	0.00	0	66.0	66.0	66.0	
7-8 AM	448	0.0	OFF	448	0	0.00	0	65.6	65.6	65.6	
8-9 AM	626	0.0	OFF	626	0	0.00	0	65.2	65.2	65.2	
9-10 AM	1002	0.0	1500	1002	0	0.52	0	64.5	58.1	41.7	
10-11 AM	1375	0.0	1499	1375	0	0.86	0	63.8	54.1	33.7	
11AM-NOON	1585	0.0	1499	1585	0	2.10	31	63.4	44.2	30.8	
NOON-1PM	1722	0.0	1500	1722	0	7.87	195	63.2	24.0	30.8	
1-2 PM	1618	0.0	1499	1593	24	14.54+	366	63.3	15.8	30.8	
2-3 PM	1617	0.0	1500	1500	117	15.84+	400	63.4	14.8	30.8	
3-4 PM	1653	0.0	1500	1500	153	15.83+	400	63.3	14.8	30.8	
4-5 PM	1505	0.0	1500	1483	21	15.71+	396	63.6	14.9	30.8	
5-6 PM	1350	0.0	1499	1350	0	12.83	321	63.9	17.4	30.8	
6-7 PM	1102	0.0	1499	1102	0	2.56	77	64.3	41.8	37.9	
7-8 PM	959	0.0	OFF	959	0	0.00	0	64.6	64.6	64.6	
8-9 PM	731	0.0	OFF	731	0	0.00	0	65.0	65.0	65.0	
9-10 PM	512	0.0	OFF	512	0	0.00	0	65.5	65.5	65.5	
10-11 PM	306	0.0	OFF	306	0	0.00	0	65.8	65.8	65.8	
11PM-MID	171	0.0	OFF	171	0	0.00	0	66.1	66.1	66.1	

"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

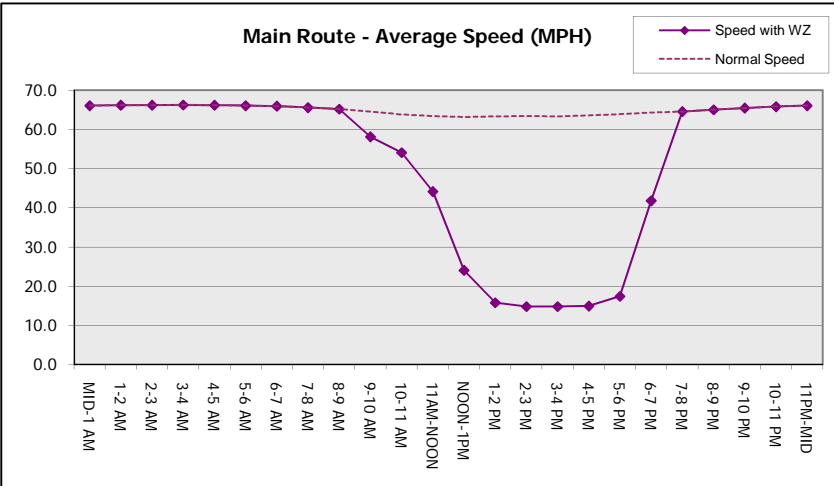
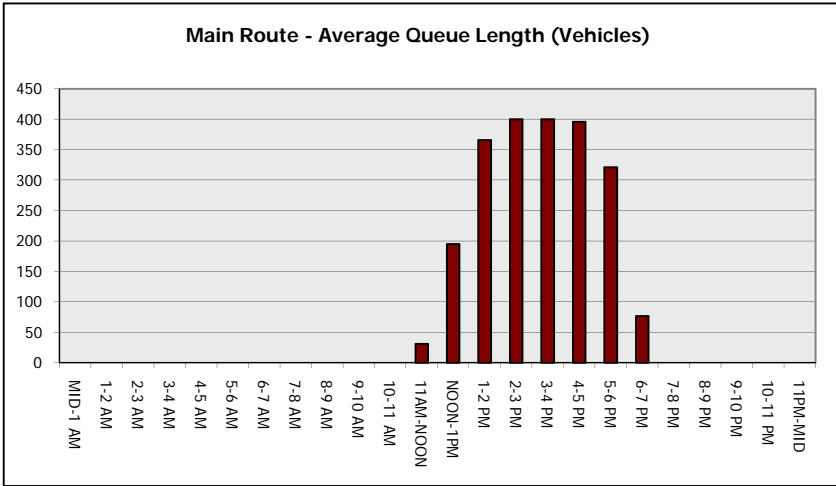
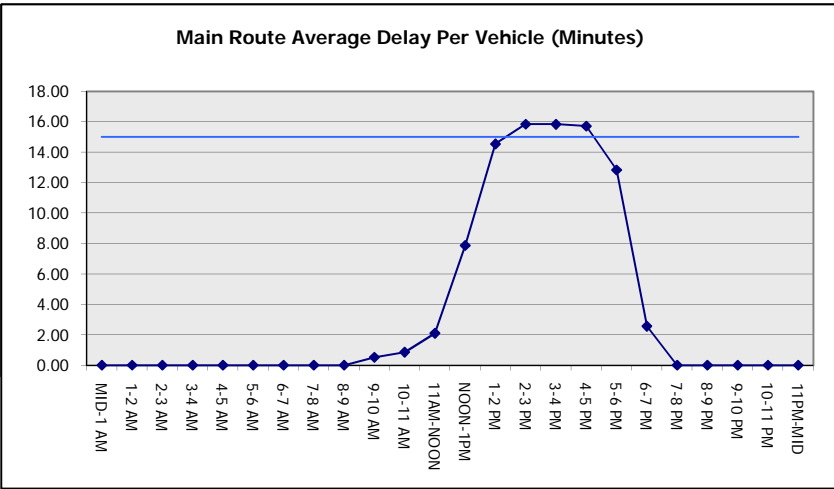
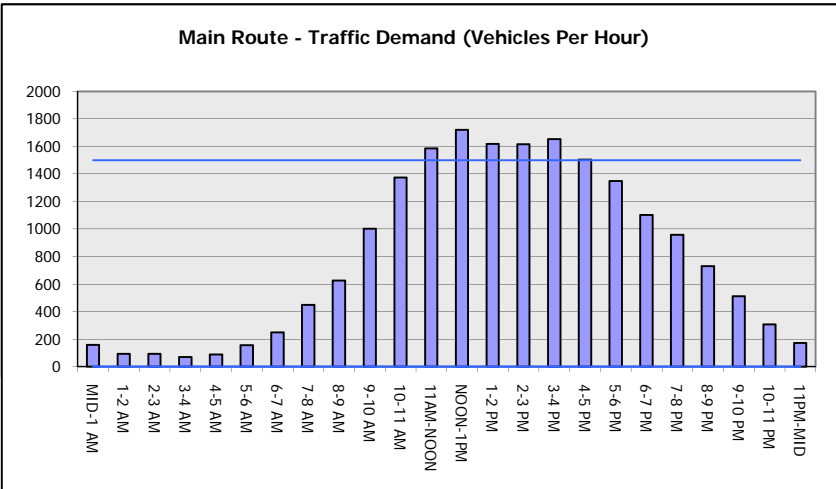
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0156
MAIN ROUTE WITH WORKS	0.0144
'DIVERSION'	0.0006
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,900
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY CLOSURE  
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**MAY**  
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)                  OFF-PEAK DAY CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
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**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	230	0.0	OFF	230	0	0.00	0	66.0	66.0	66.0
1-2 AM	135	0.0	OFF	135	0	0.00	0	66.1	66.1	66.1
2-3 AM	119	0.0	OFF	119	0	0.00	0	66.1	66.1	66.1
3-4 AM	87	0.0	OFF	87	0	0.00	0	66.2	66.2	66.2
4-5 AM	57	0.0	OFF	57	0	0.00	0	66.3	66.3	66.3
5-6 AM	112	0.0	OFF	112	0	0.00	0	66.2	66.2	66.2
6-7 AM	193	0.0	OFF	193	0	0.00	0	66.0	66.0	66.0
7-8 AM	266	0.0	OFF	266	0	0.00	0	65.9	65.9	65.9
8-9 AM	423	0.0	OFF	423	0	0.00	0	65.6	65.6	65.6
9-10 AM	656	0.0	1500	656	0	0.49	0	65.1	59.1	42.9
10-11 AM	940	0.0	1500	940	0	0.51	0	64.6	58.3	41.9
11AM-NOON	1133	0.0	1500	1133	0	0.55	0	64.3	57.6	40.7
NOON-1PM	1234	0.0	1500	1234	0	0.68	0	64.1	56.1	37.4
1-2 PM	1170	0.0	1500	1170	0	0.60	0	64.2	57.1	39.4
2-3 PM	1207	0.0	1500	1207	0	0.65	0	64.1	56.5	38.2
3-4 PM	1188	0.0	1500	1188	0	0.62	0	64.1	56.8	38.9
4-5 PM	1176	0.0	1500	1176	0	0.61	0	64.2	56.9	39.2
5-6 PM	1084	0.0	1500	1084	0	0.53	0	64.3	57.9	41.4
6-7 PM	970	0.0	1500	970	0	0.52	0	64.6	58.2	41.8
7-8 PM	791	0.0	OFF	791	0	0.00	0	64.9	64.9	64.9
8-9 PM	622	0.0	OFF	622	0	0.00	0	65.2	65.2	65.2
9-10 PM	456	0.0	OFF	456	0	0.00	0	65.5	65.5	65.5
10-11 PM	419	0.0	OFF	419	0	0.00	0	65.6	65.6	65.6
11PM-MID	259	0.0	OFF	259	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	0.0121
MAIN ROUTE WITH WORKS	0.0114
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,775
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**SUNDAY NORTHBOUND DIRECTION**

