

<b>IH 43: STH 54/57 TO STH 172 (BROWN COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	100	0.0	1500	100	0	0.43	0	66.2	60.5	45.1
1-2 AM	64	0.0	1500	64	0	0.43	0	66.3	60.6	45.2
2-3 AM	69	0.0	1500	69	0	0.43	0	66.3	60.6	45.2
3-4 AM	94	0.0	1500	94	0	0.43	0	66.2	60.5	45.1
4-5 AM	245	0.0	1500	245	0	0.45	0	66.0	60.2	44.5
5-6 AM	775	0.0	1500	775	0	0.50	0	65.0	58.7	42.5
6-7 AM	1646	0.0	1499	1646	0	2.16	39	63.3	43.7	31.1
7-8 AM	2166	0.0	1500	1739	427	<b>13.82+</b>	357	62.3	16.3	31.7
8-9 AM	1442	0.0	1499	1413	29	<b>14.97+</b>	377	63.7	15.5	30.8
9-10 AM	1231	0.0	1499	1231	0	7.06	182	64.1	25.8	32.2
10-11 AM	1262	0.0	1500	1262	0	0.84	3	64.0	54.5	36.4
11AM-NOON	1382	0.0	1500	1382	0	0.87	0	63.8	54.0	33.4
NOON-1PM	1418	0.0	1500	1418	0	0.92	0	63.7	53.5	32.5
1-2 PM	1446	0.0	1499	1446	0	0.95	0	63.7	53.2	31.9
2-3 PM	1571	0.0	1499	1571	0	1.89	25	63.5	45.6	30.8
3-4 PM	1770	0.0	1500	1770	0	7.64	193	63.1	24.5	30.8
4-5 PM	1951	0.0	1499	1517	434	<b>15.72+</b>	398	62.7	14.8	30.8
5-6 PM	1838	0.0	1500	1524	315	<b>15.70+</b>	397	63.0	14.9	30.8
6-7 PM	1237	0.0	1499	1237	0	<b>10.81</b>	280	64.1	19.6	32.1
7-8 PM	880	0.0	1500	880	0	0.84	12	64.8	55.0	42.0
8-9 PM	727	0.0	1500	727	0	0.49	0	65.0	58.9	42.7
9-10 PM	520	0.0	1500	520	0	0.47	0	65.4	59.4	43.4
10-11 PM	343	0.0	1500	343	0	0.46	0	65.8	59.9	44.1
11PM-MID	179	0.0	1500	179	0	0.44	0	66.1	60.3	44.8

+ 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

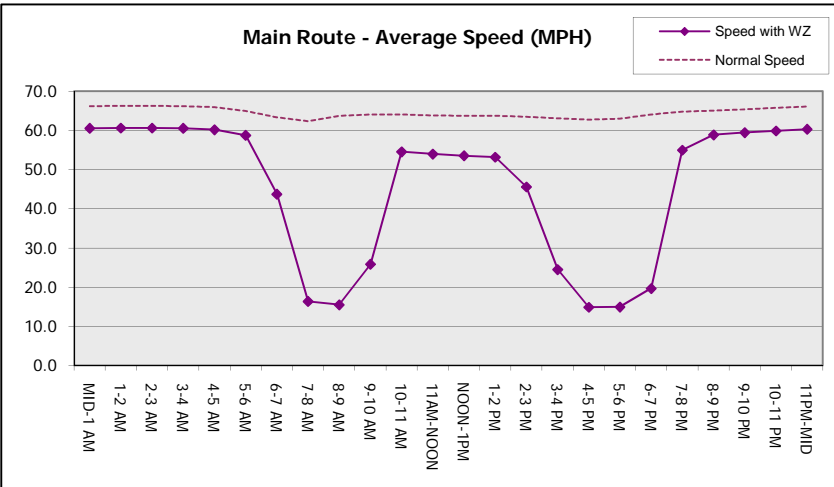
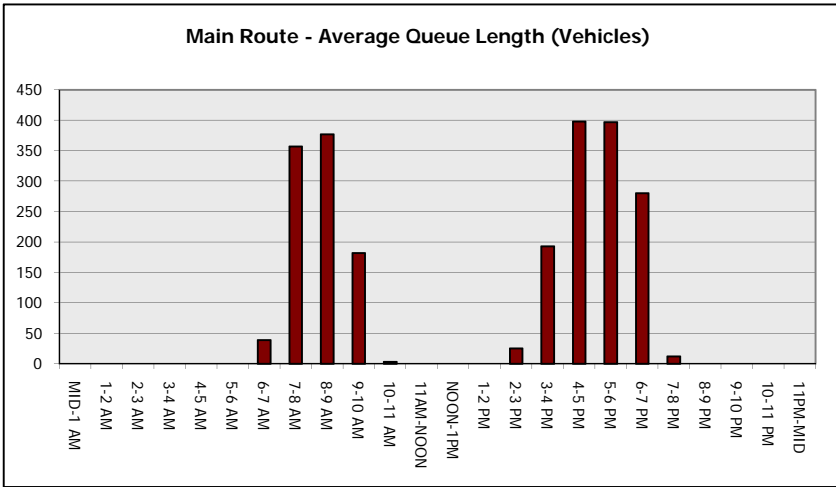
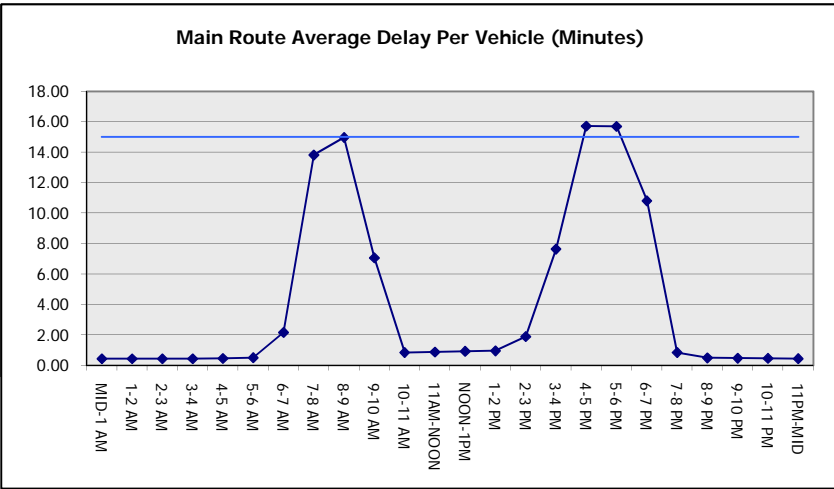
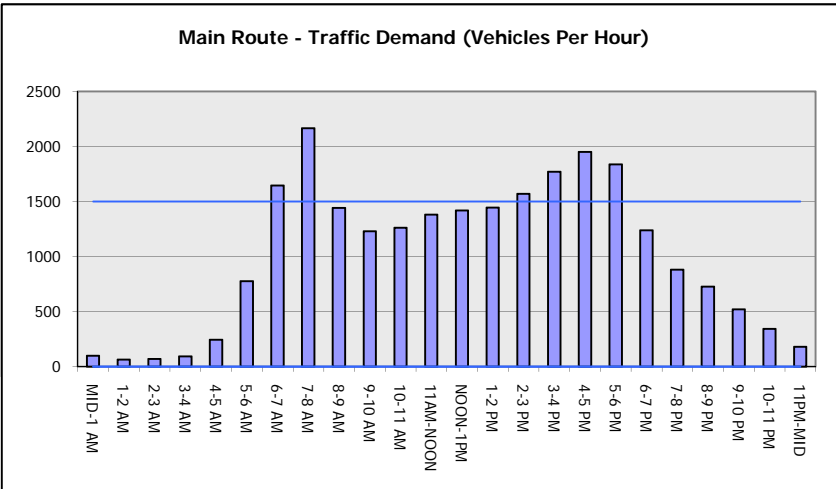
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0198
MAIN ROUTE WITH WORKS	0.0173
'DIVERSION'	0.0023
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,548
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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**MAY**  
Analyzed for 2009  
Construction Season

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



<b>IH 43: STH 54/57 TO STH 172 (BROWN COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
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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	141	0.0	1500	141	0	0.44	0	66.1	60.4	44.9
1-2 AM	86	0.0	1500	86	0	0.43	0	66.2	60.5	45.1
2-3 AM	78	0.0	1500	78	0	0.43	0	66.3	60.6	45.1
3-4 AM	62	0.0	1500	62	0	0.43	0	66.3	60.7	45.3
4-5 AM	133	0.0	1500	133	0	0.44	0	66.1	60.4	45.0
5-6 AM	399	0.0	1500	399	0	0.46	0	65.6	59.7	43.9
6-7 AM	889	0.0	1500	889	0	0.51	0	64.7	58.4	42.0
7-8 AM	1407	0.0	1500	1407	0	0.90	0	63.8	53.7	32.8
8-9 AM	1161	0.0	1500	1161	0	0.59	0	64.2	57.2	39.7
9-10 AM	983	0.0	1500	983	0	0.52	0	64.6	58.2	41.7
10-11 AM	1006	0.0	1500	1006	0	0.52	0	64.5	58.1	41.7
11AM-NOON	1098	0.0	1500	1098	0	0.53	0	64.3	57.9	41.4
NOON-1PM	1186	0.0	1500	1186	0	0.62	0	64.1	56.8	38.9
1-2 PM	1220	0.0	1500	1220	0	0.66	0	64.1	56.3	37.8
2-3 PM	1354	0.0	1499	1354	0	0.83	0	63.8	54.4	34.2
3-4 PM	1797	0.0	1499	1797	0	4.65	119	63.0	32.2	30.8
4-5 PM	2278	0.0	1499	1562	716	15.51+	393	62.2	15.0	30.8
5-6 PM	2158	0.0	1500	1500	658	15.76+	400	62.3	14.8	30.8
6-7 PM	1337	0.0	1500	1337	0	12.51	315	63.9	17.7	31.0
7-8 PM	923	0.0	1500	923	0	1.43	37	64.6	49.7	41.5
8-9 PM	815	0.0	1500	815	0	0.50	0	64.9	58.6	42.4
9-10 PM	652	0.0	1500	652	0	0.49	0	65.1	59.1	42.9
10-11 PM	417	0.0	1500	417	0	0.46	0	65.6	59.7	43.8
11PM-MID	264	0.0	1500	264	0	0.45	0	65.9	60.1	44.4

+ 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	0.0177
MAIN ROUTE WITH WORKS	0.0153
'DIVERSION'	0.0026

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$22,384
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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**MON-THUR NORTHBOUND DIRECTION**

