

<b>STH 172: STH 57 TO IH 43 (BROWN COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	239	0.0	1500	239	0	0.45	0	66.0	57.8	44.5
1-2 AM	119	0.0	1500	119	0	0.43	0	66.1	58.2	45.0
2-3 AM	97	0.0	1500	97	0	0.43	0	66.2	58.2	45.1
3-4 AM	78	0.0	1500	78	0	0.43	0	66.3	58.3	45.2
4-5 AM	112	0.0	1500	112	0	0.43	0	66.2	58.2	45.0
5-6 AM	241	0.0	1500	241	0	0.45	0	66.0	57.8	44.5
6-7 AM	303	0.0	1500	303	0	0.45	0	65.8	57.6	44.3
7-8 AM	409	0.0	1500	409	0	0.46	0	65.6	57.3	43.8
8-9 AM	637	0.0	1500	637	0	0.48	0	65.2	56.7	43.0
9-10 AM	958	0.0	1500	958	0	0.52	0	64.6	55.8	41.8
10-11 AM	1423	0.0	1499	1423	0	0.92	0	63.7	49.8	32.5
11AM-NOON	1524	0.0	1499	1524	0	1.31	8	63.5	45.5	31.1
NOON-1PM	1811	0.0	1500	1811	0	7.15	187	63.0	20.1	30.8
1-2 PM	1636	0.0	1499	1562	74	15.52+	391	63.3	11.1	30.8
2-3 PM	1532	0.0	1499	1489	42	15.81+	398	63.5	11.0	30.8
3-4 PM	1449	0.0	1499	1449	0	14.91+	374	63.7	11.6	30.8
4-5 PM	1464	0.0	1500	1464	0	13.25	330	63.7	12.7	30.8
5-6 PM	1424	0.0	1500	1424	0	11.53	284	63.7	14.2	30.8
6-7 PM	1096	0.0	1499	1096	0	2.41	79	64.3	37.0	37.8
7-8 PM	901	0.0	1500	901	0	0.51	0	64.7	55.9	42.0
8-9 PM	818	0.0	1500	818	0	0.50	0	64.8	56.1	42.4
9-10 PM	463	0.0	1500	463	0	0.47	0	65.5	57.2	43.7
10-11 PM	399	0.0	1500	399	0	0.46	0	65.6	57.4	43.9
11PM-MID	218	0.0	1500	218	0	0.44	0	66.0	57.9	44.6

+ 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

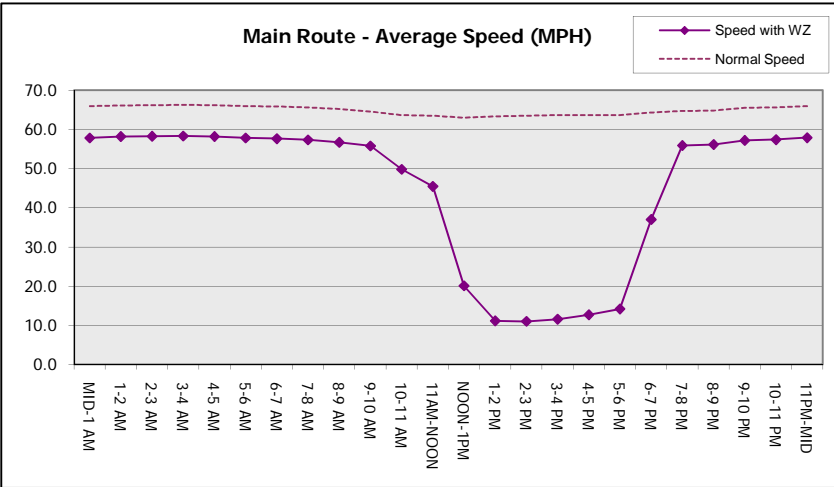
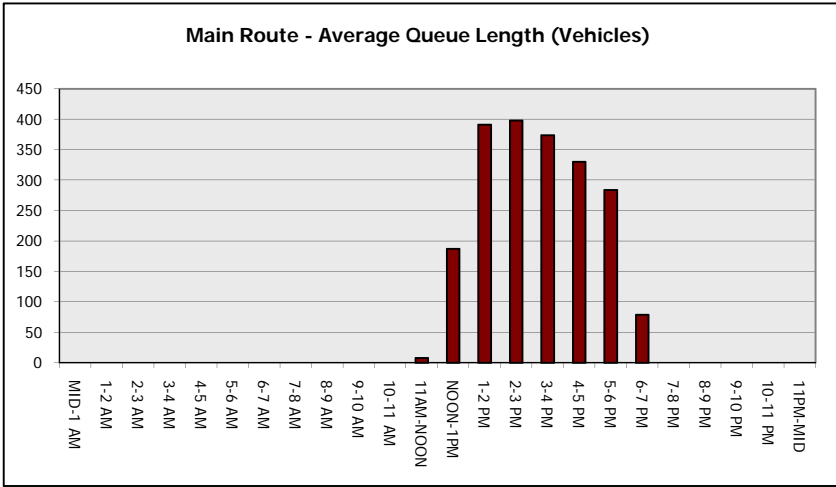
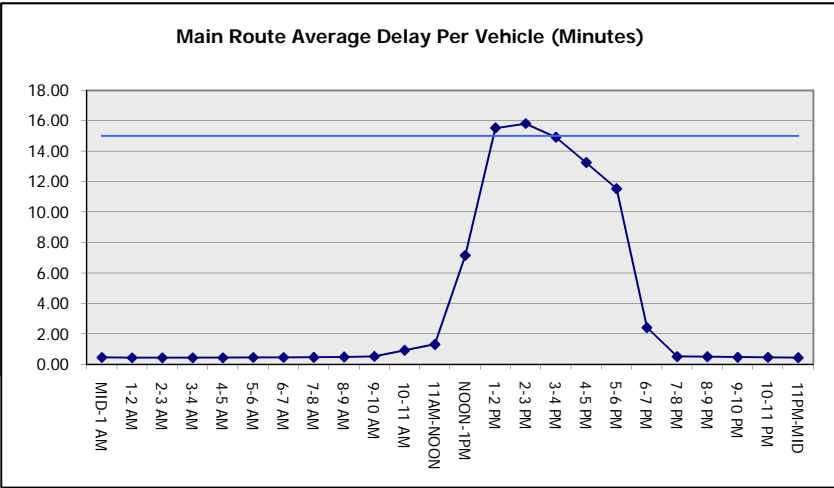
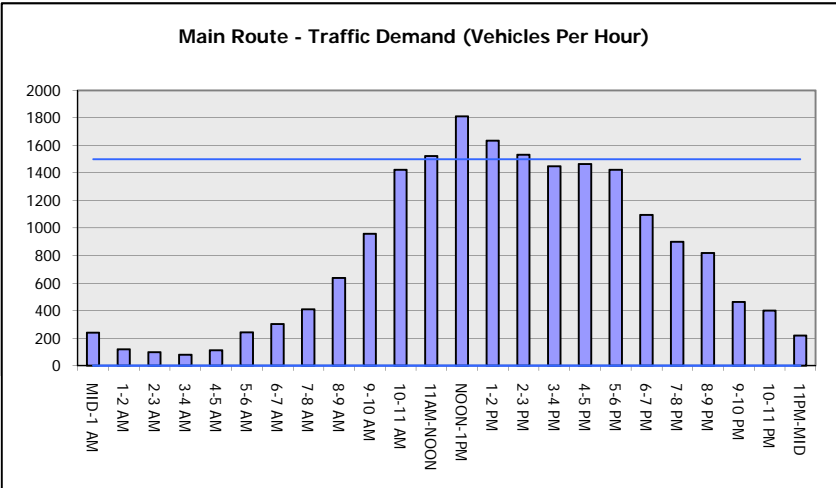
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0108
MAIN ROUTE WITH WORKS	0.0094
'DIVERSION'	0.0001
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,597
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
Analyzed for 2009  
Construction Season

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



<b>STH 172: STH 57 TO IH 43 (BROWN COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	328	0.0	1500	328	0	0.45	0	65.8	57.6	44.2
1-2 AM	189	0.0	1500	189	0	0.44	0	66.0	58.0	44.7
2-3 AM	181	0.0	1500	181	0	0.44	0	66.1	58.0	44.8
3-4 AM	137	0.0	1500	137	0	0.44	0	66.1	58.1	45.0
4-5 AM	92	0.0	1500	92	0	0.43	0	66.2	58.2	45.1
5-6 AM	149	0.0	1500	149	0	0.44	0	66.1	58.1	44.9
6-7 AM	239	0.0	1500	239	0	0.45	0	66.0	57.8	44.5
7-8 AM	402	0.0	1500	402	0	0.46	0	65.6	57.4	43.9
8-9 AM	561	0.0	1500	561	0	0.48	0	65.3	56.9	43.3
9-10 AM	813	0.0	1500	813	0	0.50	0	64.9	56.1	42.4
10-11 AM	1219	0.0	1499	1219	0	0.66	0	64.1	53.4	38.0
11AM-NOON	1460	0.0	1499	1460	0	1.06	2	63.7	48.2	31.9
NOON-1PM	1734	0.0	1500	1734	0	4.99	122	63.2	25.2	30.8
1-2 PM	1657	0.0	1499	1657	0	12.90+	325	63.3	12.9	30.8
2-3 PM	1704	0.0	1499	1500	204	15.84+	400	63.2	10.9	30.8
3-4 PM	1796	0.0	1500	1500	296	15.83+	400	63.0	10.9	30.8
4-5 PM	1782	0.0	1500	1500	282	15.83+	400	63.1	10.9	30.8
5-6 PM	1588	0.0	1500	1500	88	15.85+	400	63.4	10.9	30.8
6-7 PM	1499	0.0	1500	1470	29	15.63+	394	63.6	11.1	30.8
7-8 PM	1121	0.0	1499	1121	0	6.68	200	64.3	21.1	34.3
8-9 PM	956	0.0	1500	956	0	0.51	0	64.6	55.8	41.9
9-10 PM	756	0.0	1500	756	0	0.50	0	65.0	56.3	42.5
10-11 PM	464	0.0	1500	464	0	0.47	0	65.5	57.2	43.7
11PM-MID	348	0.0	1500	348	0	0.46	0	65.8	57.5	44.1

+ 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	0.0118
MAIN ROUTE WITH WORKS	0.0100
'DIVERSION'	0.0012

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$49,659
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding User-Specified Maximum

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

