

<b>STH 172: STH 57 TO IH 43 (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 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	OFF	239	0	0.00	0	66.0	66.0	66.0
1-2 AM	119	0.0	OFF	119	0	0.00	0	66.1	66.1	66.1
2-3 AM	97	0.0	OFF	97	0	0.00	0	66.2	66.2	66.2
3-4 AM	78	0.0	OFF	78	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	241	0.0	OFF	241	0	0.00	0	66.0	66.0	66.0
6-7 AM	303	0.0	OFF	303	0	0.00	0	65.8	65.8	65.8
7-8 AM	409	0.0	OFF	409	0	0.00	0	65.6	65.6	65.6
8-9 AM	637	0.0	OFF	637	0	0.00	0	65.2	65.2	65.2
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	OFF	901	0	0.00	0	64.7	64.7	64.7
8-9 PM	818	0.0	OFF	818	0	0.00	0	64.8	64.8	64.8
9-10 PM	463	0.0	OFF	463	0	0.00	0	65.5	65.5	65.5
10-11 PM	399	0.0	OFF	399	0	0.00	0	65.6	65.6	65.6
11PM-MID	218	0.0	OFF	218	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

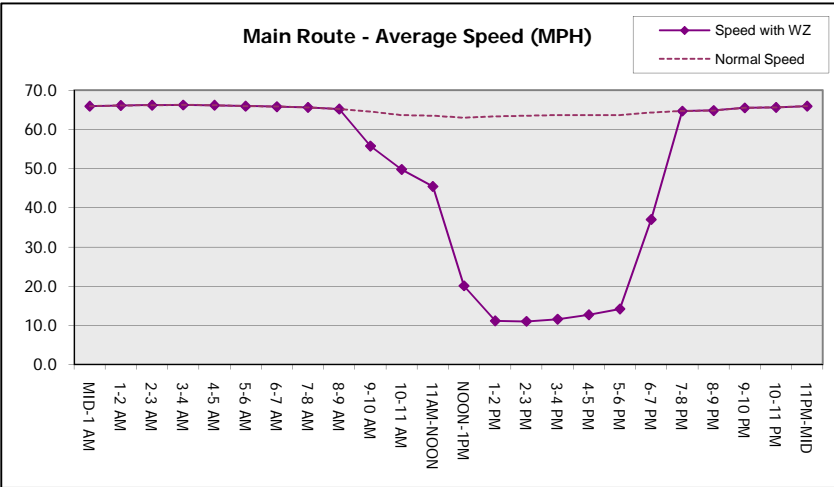
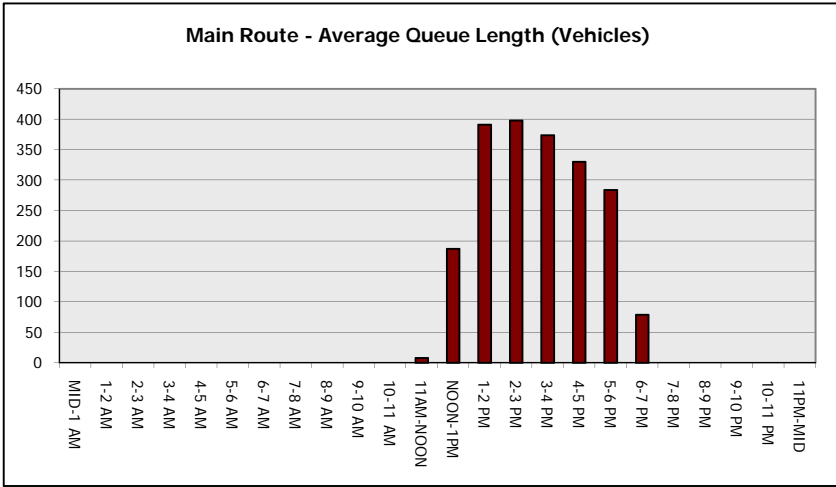
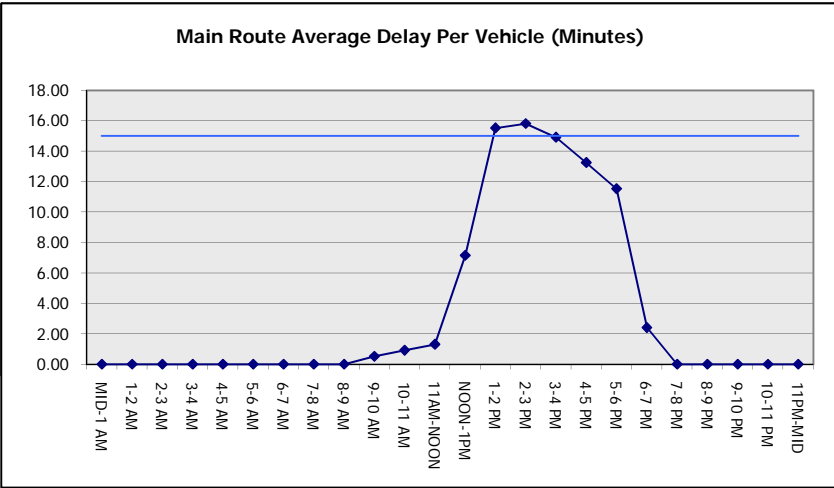
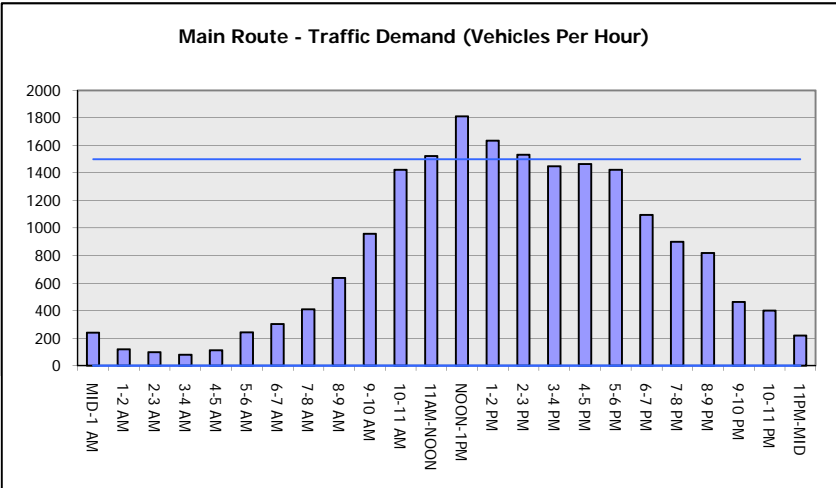
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0108
MAIN ROUTE WITH WORKS	0.0098
'DIVERSION'	0.0001
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$35,247
CONGESTED HOURS PER DAY*	3

\*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 WESTBOUND DIRECTION**



<b>STH 172: STH 57 TO IH 43 (BROWN COUNTY)                  OFF-PEAK DAY CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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**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	OFF	328	0	0.00	0	65.8	65.8	65.8
1-2 AM	189	0.0	OFF	189	0	0.00	0	66.0	66.0	66.0
2-3 AM	181	0.0	OFF	181	0	0.00	0	66.1	66.1	66.1
3-4 AM	137	0.0	OFF	137	0	0.00	0	66.1	66.1	66.1
4-5 AM	92	0.0	OFF	92	0	0.00	0	66.2	66.2	66.2
5-6 AM	149	0.0	OFF	149	0	0.00	0	66.1	66.1	66.1
6-7 AM	239	0.0	OFF	239	0	0.00	0	66.0	66.0	66.0
7-8 AM	402	0.0	OFF	402	0	0.00	0	65.6	65.6	65.6
8-9 AM	561	0.0	OFF	561	0	0.00	0	65.3	65.3	65.3
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	OFF	1121	0	0.40	24	64.3	57.3	57.3
8-9 PM	956	0.0	OFF	956	0	0.00	0	64.6	64.6	64.6
9-10 PM	756	0.0	OFF	756	0	0.00	0	65.0	65.0	65.0
10-11 PM	464	0.0	OFF	464	0	0.00	0	65.5	65.5	65.5
11PM-MID	348	0.0	OFF	348	0	0.00	0	65.8	65.8	65.8

"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	0.0118
MAIN ROUTE WITH WORKS	0.0103
'DIVERSION'	0.0012

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,131
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**

