

<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>MAY</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	270	0.0	OFF	270	0	0.00	0	65.9	65.9	65.9
1-2 AM	145	0.0	OFF	145	0	0.00	0	66.1	66.1	66.1
2-3 AM	101	0.0	OFF	101	0	0.00	0	66.2	66.2	66.2
3-4 AM	92	0.0	OFF	92	0	0.00	0	66.2	66.2	66.2
4-5 AM	131	0.0	OFF	131	0	0.00	0	66.1	66.1	66.1
5-6 AM	209	0.0	OFF	209	0	0.00	0	66.0	66.0	66.0
6-7 AM	292	0.0	OFF	292	0	0.00	0	65.8	65.8	65.8
7-8 AM	461	0.0	OFF	461	0	0.00	0	65.5	65.5	65.5
8-9 AM	626	0.0	OFF	626	0	0.00	0	65.2	65.2	65.2
9-10 AM	1083	0.0	1500	1083	0	0.53	0	64.4	55.4	41.4
10-11 AM	1417	0.0	1499	1417	0	0.92	0	63.7	49.9	32.6
11AM-NOON	1493	0.0	1499	1493	0	1.12	3	63.6	47.5	31.2
NOON-1PM	1693	0.0	1500	1693	0	4.58	107	63.2	26.6	30.8
1-2 PM	1584	0.0	1499	1584	0	10.45	255	63.4	15.3	30.8
2-3 PM	1470	0.0	1499	1470	0	11.50	282	63.7	14.2	30.8
3-4 PM	1370	0.0	1499	1370	0	8.30	200	63.8	18.1	30.8
4-5 PM	1334	0.0	1499	1334	0	2.48	53	63.9	36.4	32.9
5-6 PM	1306	0.0	1500	1306	0	0.77	0	64.0	51.7	35.3
6-7 PM	1071	0.0	1500	1071	0	0.53	0	64.4	55.5	41.4
7-8 PM	746	0.0	OFF	746	0	0.00	0	65.0	65.0	65.0
8-9 PM	595	0.0	OFF	595	0	0.00	0	65.3	65.3	65.3
9-10 PM	440	0.0	OFF	440	0	0.00	0	65.6	65.6	65.6
10-11 PM	353	0.0	OFF	353	0	0.00	0	65.7	65.7	65.7
11PM-MID	125	0.0	OFF	125	0	0.00	0	66.1	66.1	66.1

"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

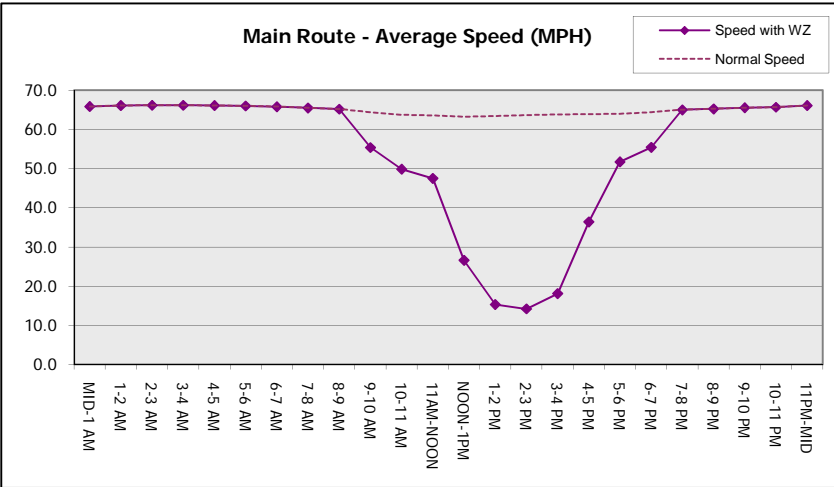
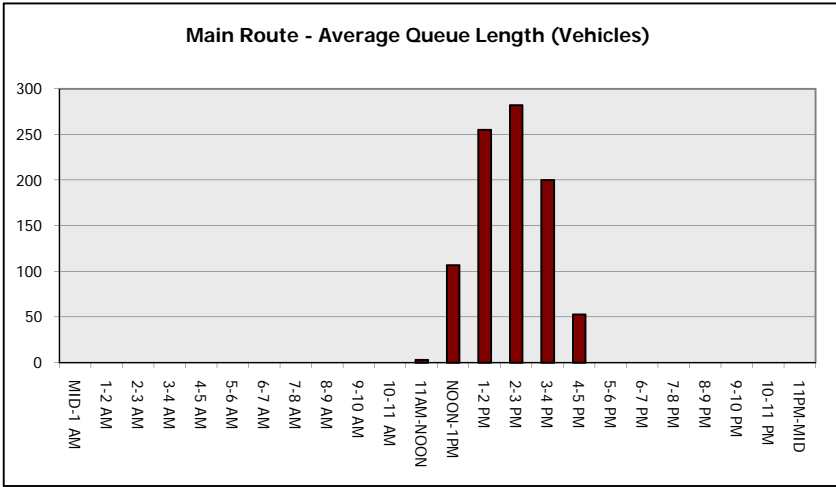
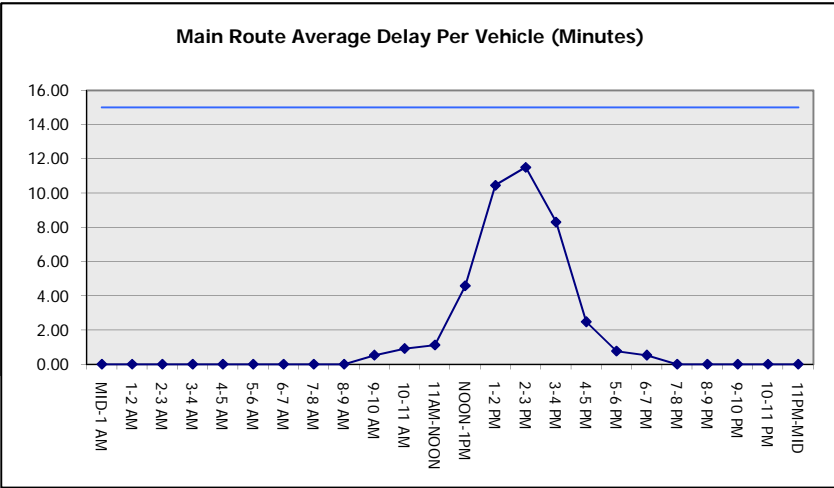
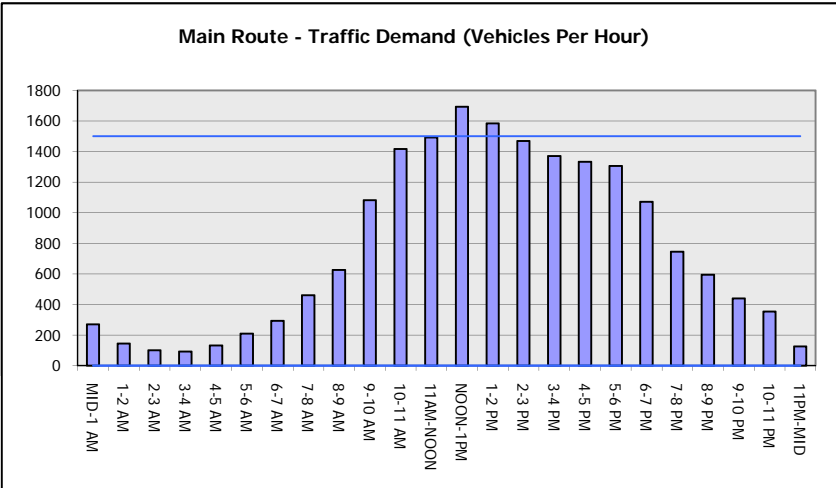
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0102
MAIN ROUTE WITH WORKS	0.0093
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$17,022
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
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)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</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	334	0.0	OFF	334	0	0.00	0	65.8	65.8	65.8
1-2 AM	249	0.0	OFF	249	0	0.00	0	66.0	66.0	66.0
2-3 AM	216	0.0	OFF	216	0	0.00	0	66.0	66.0	66.0
3-4 AM	157	0.0	OFF	157	0	0.00	0	66.1	66.1	66.1
4-5 AM	115	0.0	OFF	115	0	0.00	0	66.2	66.2	66.2
5-6 AM	135	0.0	OFF	135	0	0.00	0	66.1	66.1	66.1
6-7 AM	281	0.0	OFF	281	0	0.00	0	65.9	65.9	65.9
7-8 AM	381	0.0	OFF	381	0	0.00	0	65.7	65.7	65.7
8-9 AM	592	0.0	OFF	592	0	0.00	0	65.3	65.3	65.3
9-10 AM	787	0.0	1500	787	0	0.50	0	64.9	56.3	42.4
10-11 AM	1166	0.0	1500	1166	0	0.59	0	64.2	54.3	39.6
11AM-NOON	1388	0.0	1499	1388	0	0.88	0	63.8	50.4	33.3
NOON-1PM	1520	0.0	1499	1520	0	1.24	6	63.5	46.3	30.9
1-2 PM	1624	0.0	1500	1624	0	3.71	78	63.3	29.9	30.8
2-3 PM	1810	0.0	1500	1793	17	11.37+	296	63.0	14.3	30.8
3-4 PM	1793	0.0	1500	1476	317	15.74+	397	63.0	11.0	30.8
4-5 PM	1830	0.0	1500	1500	330	15.82+	400	63.0	10.9	30.8
5-6 PM	1544	0.0	1499	1476	68	15.75+	397	63.5	11.0	30.8
6-7 PM	1396	0.0	1499	1396	0	14.24+	358	63.8	12.0	30.8
7-8 PM	1013	0.0	OFF	1013	0	0.24	14	64.5	60.1	60.1
8-9 PM	783	0.0	OFF	783	0	0.00	0	64.9	64.9	64.9
9-10 PM	593	0.0	OFF	593	0	0.00	0	65.3	65.3	65.3
10-11 PM	415	0.0	OFF	415	0	0.00	0	65.6	65.6	65.6
11PM-MID	256	0.0	OFF	256	0	0.00	0	65.9	65.9	65.9

"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	0.0113
MAIN ROUTE WITH WORKS	0.0100
'DIVERSION'	0.0009

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,939
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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Construction Season

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

