

STH 172: STH 57 TO IH 43 (BROWN COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	112	0.0	1500	112	0	0.43	0	66.2	58.2	45.0
1-2 AM	109	0.0	1500	109	0	0.43	0	66.2	58.2	45.0
2-3 AM	128	0.0	1500	128	0	0.43	0	66.1	58.2	45.0
3-4 AM	120	0.0	1500	120	0	0.43	0	66.1	58.2	45.0
4-5 AM	349	0.0	1500	349	0	0.46	0	65.8	57.5	44.1
5-6 AM	1026	0.0	OFF	1026	0	0.00	0	64.5	64.5	64.5
6-7 AM	2219	0.0	OFF	2219	0	0.00	0	62.2	62.2	62.2
7-8 AM	3212	0.0	OFF	3212	0	0.00	0	53.6	53.6	53.6
8-9 AM	2052	0.0	OFF	2052	0	0.00	0	62.5	62.5	62.5
9-10 AM	1680	0.0	OFF	1680	0	0.00	0	63.3	63.3	63.3
10-11 AM	1685	0.0	OFF	1685	0	0.00	0	63.2	63.2	63.2
11AM-NOON	1776	0.0	OFF	1776	0	0.00	0	63.1	63.1	63.1
NOON-1PM	1977	0.0	OFF	1977	0	0.00	0	62.7	62.7	62.7
1-2 PM	1975	0.0	OFF	1975	0	0.00	0	62.7	62.7	62.7
2-3 PM	2087	0.0	OFF	2087	0	0.00	0	62.5	62.5	62.5
3-4 PM	2242	0.0	OFF	2242	0	0.00	0	62.2	62.2	62.2
4-5 PM	2567	0.0	OFF	2567	0	0.00	0	60.2	60.2	60.2
5-6 PM	2337	0.0	OFF	2337	0	0.00	0	62.0	62.0	62.0
6-7 PM	1691	0.0	OFF	1691	0	0.00	0	63.2	63.2	63.2
7-8 PM	1239	0.0	1500	1239	0	0.69	0	64.1	53.0	37.3
8-9 PM	936	0.0	1500	936	0	0.51	0	64.6	55.8	41.9
9-10 PM	721	0.0	1500	721	0	0.49	0	65.0	56.4	42.7
10-11 PM	556	0.0	1500	556	0	0.48	0	65.3	56.9	43.3
11PM-MID	353	0.0	1500	353	0	0.46	0	65.7	57.5	44.1

"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

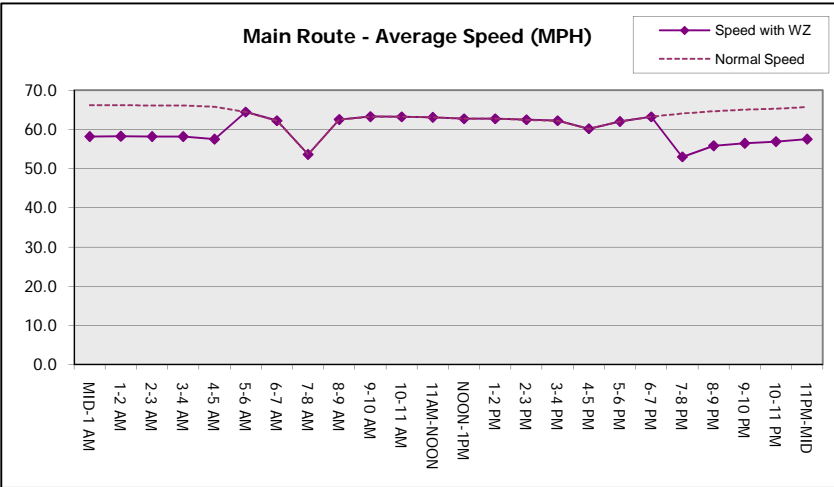
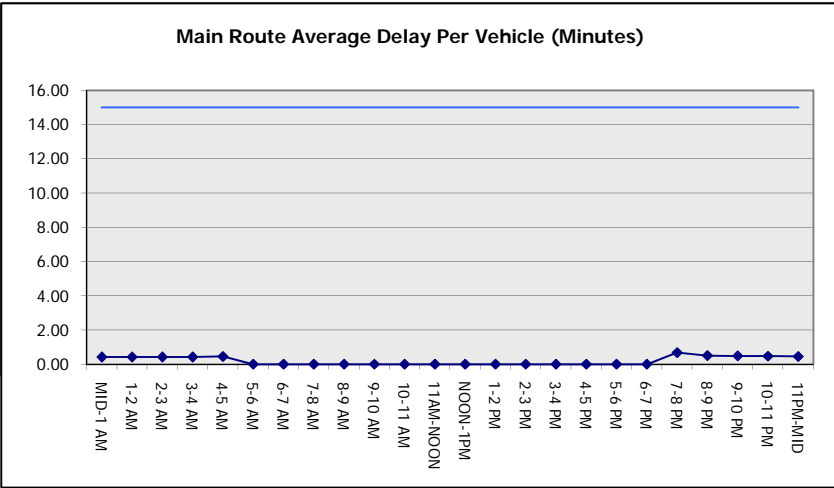
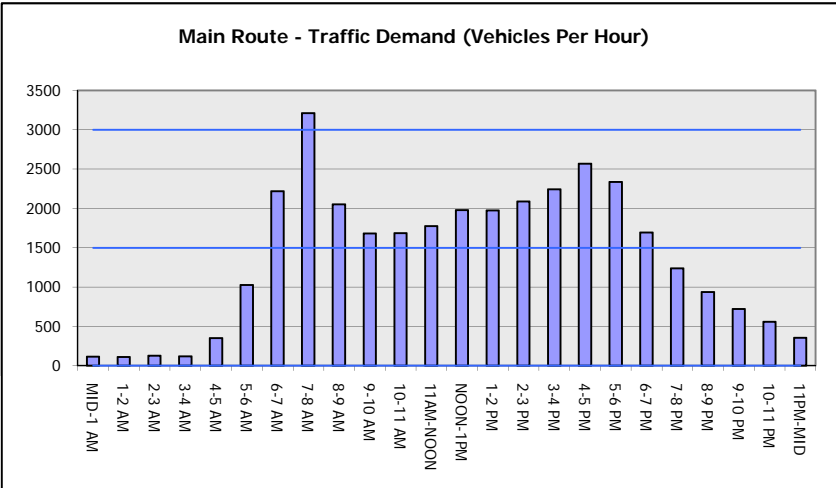
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0185
MAIN ROUTE WITH WORKS	0.0181
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$546
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



STH 172: STH 57 TO IH 43 (BROWN COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	235	0.0	1500	235	0	0.45	0	66.0	57.9	44.5
1-2 AM	127	0.0	1500	127	0	0.43	0	66.1	58.2	45.0
2-3 AM	167	0.0	1500	167	0	0.44	0	66.1	58.1	44.8
3-4 AM	138	0.0	1500	138	0	0.44	0	66.1	58.1	45.0
4-5 AM	201	0.0	1500	201	0	0.44	0	66.0	57.9	44.6
5-6 AM	444	0.0	OFF	444	0	0.00	0	65.6	65.6	65.6
6-7 AM	1140	0.0	OFF	1140	0	0.00	0	64.3	64.3	64.3
7-8 AM	1621	0.0	OFF	1621	0	0.00	0	63.3	63.3	63.3
8-9 AM	1498	0.0	OFF	1498	0	0.00	0	63.6	63.6	63.6
9-10 AM	1305	0.0	OFF	1305	0	0.00	0	64.0	64.0	64.0
10-11 AM	1403	0.0	OFF	1403	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1821	0.0	OFF	1821	0	0.00	0	63.0	63.0	63.0
NOON-1PM	1843	0.0	OFF	1843	0	0.00	0	63.0	63.0	63.0
1-2 PM	2042	0.0	OFF	2042	0	0.00	0	62.6	62.6	62.6
2-3 PM	2251	0.0	OFF	2251	0	0.00	0	62.2	62.2	62.2
3-4 PM	2871	0.0	OFF	2871	0	0.00	0	57.1	57.1	57.1
4-5 PM	3360	0.0	OFF	3360	0	0.00	0	52.1	52.1	52.1
5-6 PM	2867	0.0	OFF	2867	0	0.00	0	57.1	57.1	57.1
6-7 PM	1876	0.0	OFF	1876	0	0.00	0	62.9	62.9	62.9
7-8 PM	1380	0.0	1500	1380	0	0.87	0	63.8	50.5	33.4
8-9 PM	1299	0.0	1500	1299	0	0.76	0	64.0	51.9	35.5
9-10 PM	1059	0.0	1500	1059	0	0.52	0	64.4	55.5	41.5
10-11 PM	783	0.0	1500	783	0	0.50	0	64.9	56.3	42.5
11PM-MID	499	0.0	1500	499	0	0.47	0	65.5	57.1	43.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0179
MAIN ROUTE WITH WORKS	0.0176
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$827
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

