

STH 172: STH 57 TO IH 43 (BROWN COUNTY) CONTINUOUS (24 HOUR) 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	1499	1026	0	0.60	0	64.5	54.4	39.5	
6-7 AM	2219	0.0	1499	1929	290	8.12+	240	62.2	18.3	30.8	
7-8 AM	3212	0.0	1500	1500	1712	15.24+	400	53.6	10.9	30.8	
8-9 AM	2052	0.0	1500	1500	552	15.80+	400	62.5	10.9	30.8	
9-10 AM	1680	0.0	1499	1481	199	15.76+	398	63.3	11.0	30.8	
10-11 AM	1685	0.0	1499	1500	185	15.84+	400	63.2	10.9	30.8	
11AM-NOON	1776	0.0	1500	1500	276	15.83+	400	63.1	10.9	30.8	
NOON-1PM	1977	0.0	1500	1500	477	15.81+	400	62.7	10.9	30.8	
1-2 PM	1975	0.0	1500	1500	475	15.81+	400	62.7	10.9	30.8	
2-3 PM	2087	0.0	1500	1500	587	15.80+	400	62.5	10.9	30.8	
3-4 PM	2242	0.0	1500	1500	742	15.78+	400	62.2	10.9	30.8	
4-5 PM	2567	0.0	1500	1500	1067	15.67+	400	60.2	10.9	30.8	
5-6 PM	2337	0.0	1500	1500	837	15.77+	400	62.0	10.9	30.8	
6-7 PM	1691	0.0	1500	1492	200	15.80+	399	63.2	11.0	30.8	
7-8 PM	1239	0.0	1499	1239	0	11.38+	295	64.1	14.3	31.7	
8-9 PM	936	0.0	1500	936	0	0.98	19	64.6	49.6	41.7	
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	

+ 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

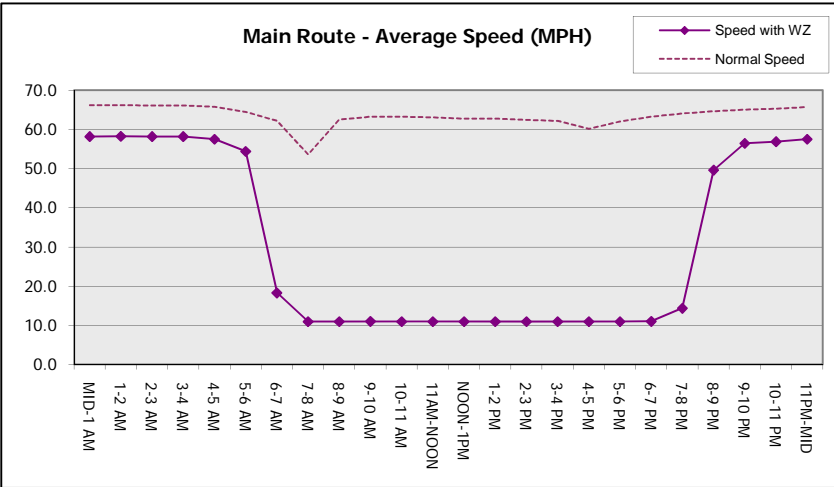
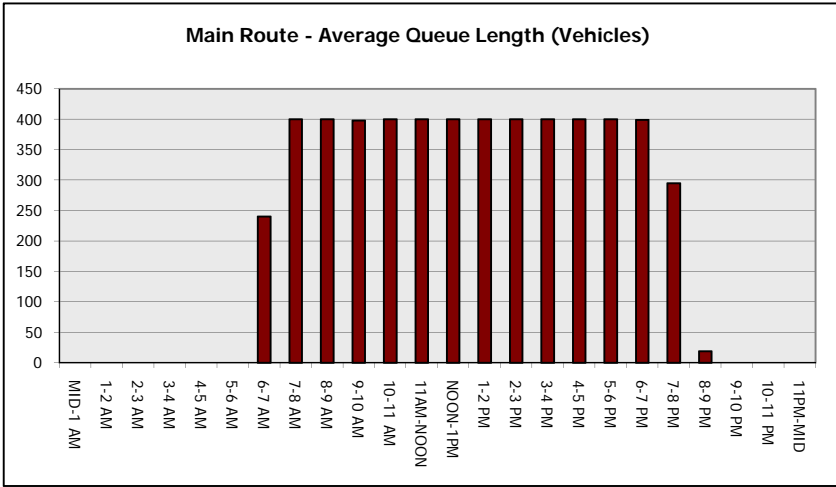
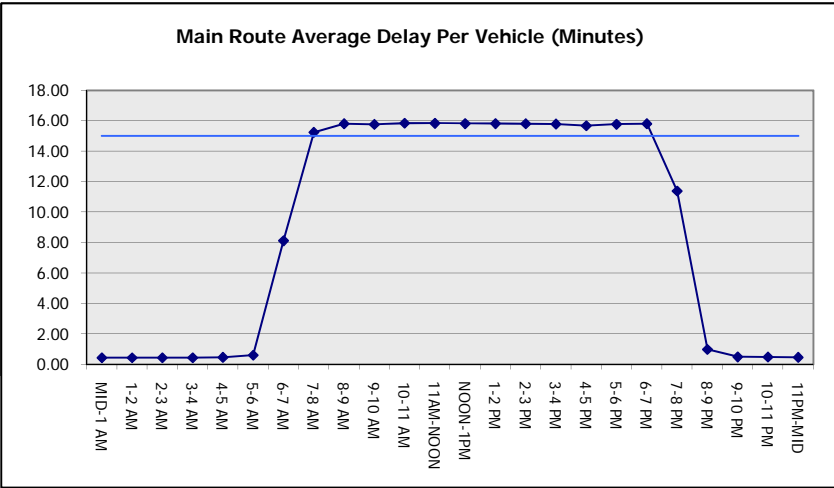
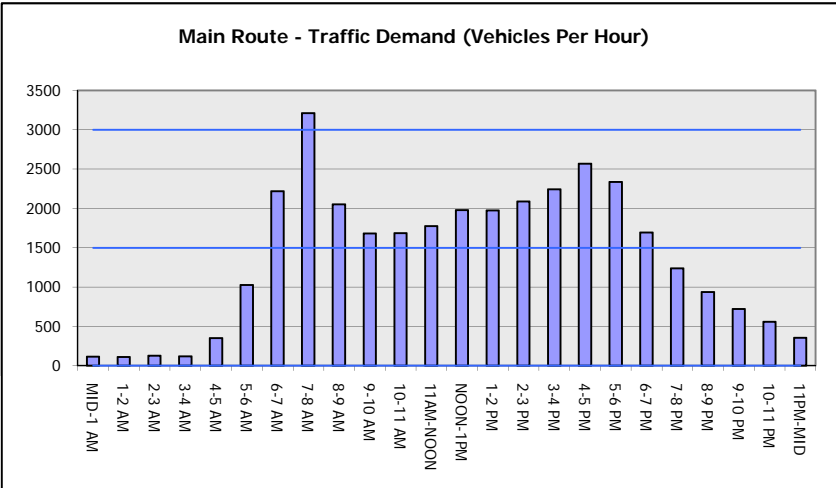
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0185
MAIN ROUTE WITH WORKS	0.0125
'DIVERSION'	0.0098
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$97,437
CONGESTED HOURS PER DAY*	14

*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) CONTINUOUS (24 HOUR) 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	1500	444	0	0.47	0	65.6	57.3	43.7
6-7 AM	1140	0.0	1499	1140	0	0.63	0	64.3	53.9	38.8
7-8 AM	1621	0.0	1499	1621	0	2.64	49	63.3	35.3	30.8
8-9 AM	1498	0.0	1499	1498	0	5.84	130	63.6	22.9	30.8
9-10 AM	1305	0.0	1499	1305	0	1.91	38	64.0	40.4	34.0
10-11 AM	1403	0.0	1499	1403	0	0.90	0	63.8	50.1	33.0
11AM-NOON	1821	0.0	1499	1821	0	5.49	146	63.0	23.8	30.8
NOON-1PM	1843	0.0	1499	1591	252	15.44+	390	63.0	11.2	30.8
1-2 PM	2042	0.0	1500	1500	542	15.80+	400	62.6	10.9	30.8
2-3 PM	2251	0.0	1500	1500	751	15.78+	400	62.2	10.9	30.8
3-4 PM	2871	0.0	1500	1500	1371	15.48+	400	57.1	10.9	30.8
4-5 PM	3360	0.0	1500	1500	1860	15.13+	400	52.1	10.9	30.8
5-6 PM	2867	0.0	1500	1500	1367	15.49+	400	57.1	10.9	30.8
6-7 PM	1876	0.0	1500	1500	376	15.82+	400	62.9	10.9	30.8
7-8 PM	1380	0.0	1499	1370	10	14.32+	361	63.8	11.9	30.8
8-9 PM	1299	0.0	1500	1299	0	7.70	191	64.0	19.1	31.4
9-10 PM	1059	0.0	1500	1059	0	0.78	8	64.4	52.0	40.9
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

+ 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	0.0179
MAIN ROUTE WITH WORKS	0.0126
'DIVERSION'	0.0084

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$73,270
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

