

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

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	157	0.0	1500	157	0	0.44	0	66.1	58.1	44.8	
1-2 AM	99	0.0	1500	99	0	0.43	0	66.2	58.2	45.1	
2-3 AM	93	0.0	1500	93	0	0.43	0	66.2	58.2	45.1	
3-4 AM	122	0.0	1500	122	0	0.43	0	66.1	58.2	45.0	
4-5 AM	352	0.0	1500	352	0	0.46	0	65.7	57.5	44.1	
5-6 AM	1146	0.0	1499	1146	0	0.68	0	64.3	53.1	37.6	
6-7 AM	2299	0.0	1499	1833	466	9.18+	263	62.1	16.7	30.8	
7-8 AM	3128	0.0	1499	1500	1628	15.29+	400	54.5	11.0	31.0	
8-9 AM	1967	0.0	1500	1571	396	15.50+	392	62.7	11.1	30.9	
9-10 AM	1653	0.0	1500	1500	153	15.84+	400	63.3	10.9	30.8	
10-11 AM	1708	0.0	1500	1500	208	15.84+	400	63.2	10.9	30.8	
11AM-NOON	1832	0.0	1500	1500	332	15.82+	400	63.0	10.9	30.8	
NOON-1PM	1887	0.0	1500	1500	387	15.82+	400	62.8	10.9	30.8	
1-2 PM	1876	0.0	1500	1500	376	15.82+	400	62.9	10.9	30.8	
2-3 PM	1958	0.0	1500	1500	458	15.81+	400	62.7	10.9	30.8	
3-4 PM	2017	0.0	1500	1500	517	15.81+	400	62.7	10.9	30.8	
4-5 PM	2253	0.0	1500	1500	753	15.78+	400	62.2	10.9	30.8	
5-6 PM	2309	0.0	1500	1500	809	15.78+	400	62.1	10.9	30.8	
6-7 PM	1566	0.0	1500	1457	109	15.52+	391	63.5	11.2	30.8	
7-8 PM	1091	0.0	1499	1091	0	5.35	180	64.3	24.3	35.6	
8-9 PM	877	0.0	1500	877	0	0.51	0	64.8	56.0	42.1	
9-10 PM	660	0.0	1500	660	0	0.49	0	65.1	56.6	42.9	
10-11 PM	465	0.0	1500	465	0	0.47	0	65.5	57.2	43.7	
11PM-MID	279	0.0	1500	279	0	0.45	0	65.9	57.7	44.3	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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

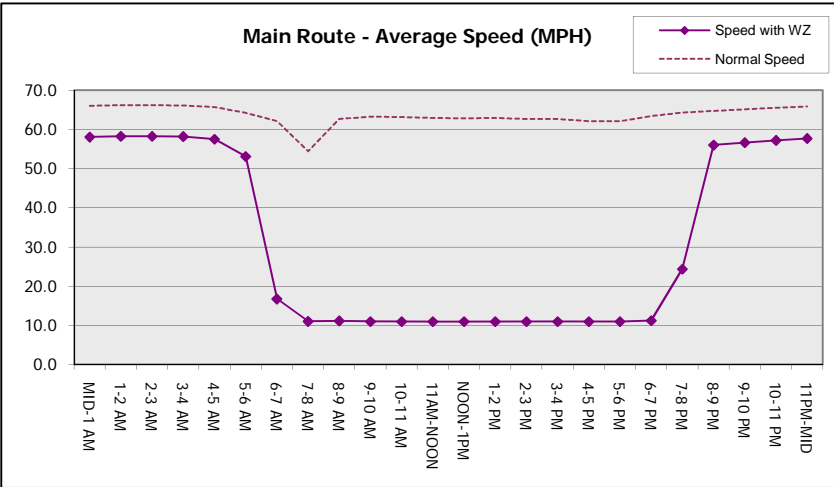
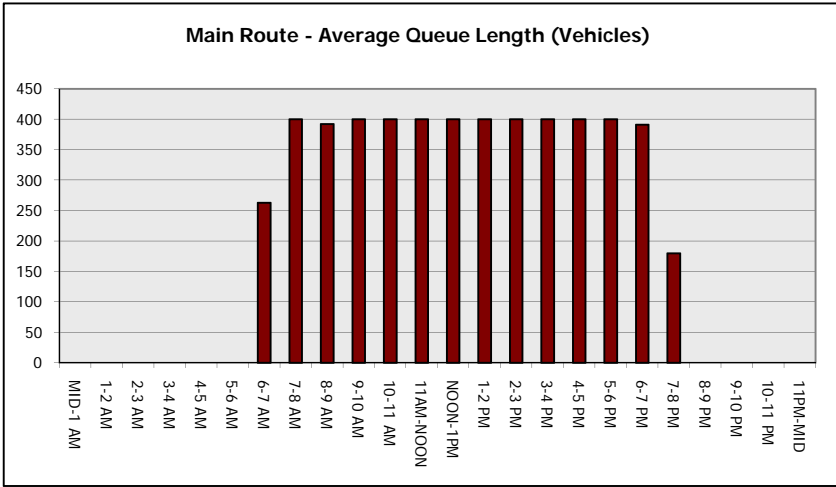
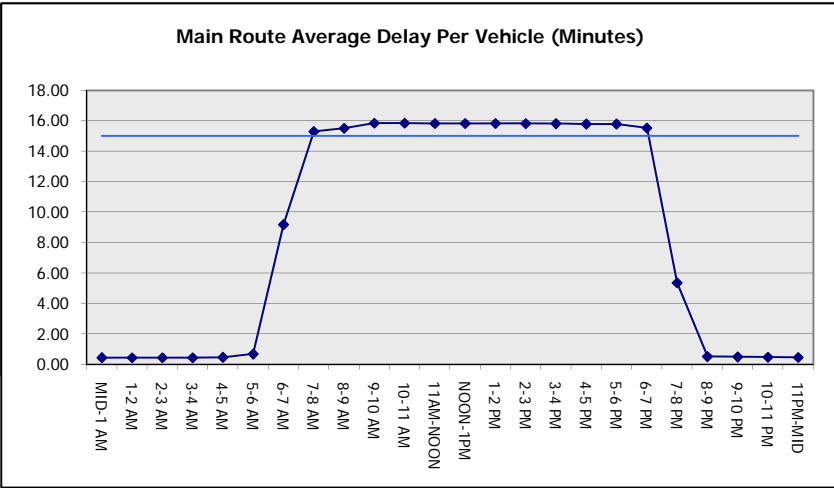
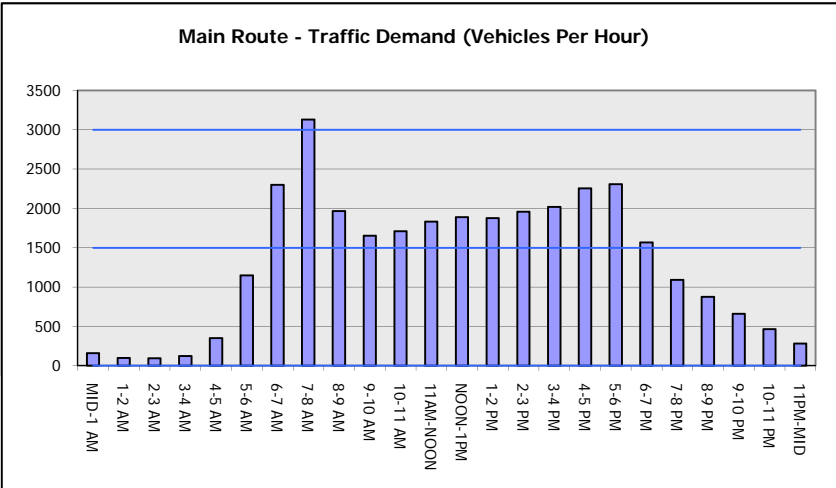
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0177
MAIN ROUTE WITH WORKS	0.0124
'DIVERSION'	0.0085
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$89,914
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



STH 172: STH 57 TO IH 43 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	212	0.0	1500	212	0	0.44	0	66.0	57.9	44.6
1-2 AM	136	0.0	1500	136	0	0.44	0	66.1	58.1	45.0
2-3 AM	128	0.0	1500	128	0	0.43	0	66.1	58.2	45.0
3-4 AM	125	0.0	1500	125	0	0.43	0	66.1	58.2	45.0
4-5 AM	209	0.0	1500	209	0	0.44	0	66.0	57.9	44.6
5-6 AM	536	0.0	1500	536	0	0.47	0	65.4	56.9	43.3
6-7 AM	1180	0.0	1499	1180	0	0.65	0	64.2	53.5	38.3
7-8 AM	1622	0.0	1499	1622	0	2.79	53	63.3	34.4	30.8
8-9 AM	1429	0.0	1499	1429	0	4.44	93	63.7	27.1	30.8
9-10 AM	1396	0.0	1500	1396	0	1.30	11	63.8	45.8	32.5
10-11 AM	1495	0.0	1499	1495	0	1.13	3	63.6	47.4	31.2
11AM-NOON	1671	0.0	1500	1671	0	4.00	89	63.3	28.7	30.8
NOON-1PM	1810	0.0	1500	1713	97	12.48+	321	63.0	13.3	30.8
1-2 PM	1843	0.0	1500	1500	343	15.82+	400	63.0	10.9	30.8
2-3 PM	2173	0.0	1500	1500	673	15.79+	400	62.3	10.9	30.8
3-4 PM	2723	0.0	1500	1500	1223	15.58+	400	58.6	10.9	30.8
4-5 PM	3472	0.0	1500	1500	1972	15.04+	400	50.9	10.9	30.8
5-6 PM	3106	0.0	1500	1500	1606	15.32+	400	54.7	10.9	30.8
6-7 PM	1901	0.0	1500	1500	401	15.82+	400	62.8	10.9	30.8
7-8 PM	1343	0.0	1499	1343	0	13.51+	341	63.9	12.5	30.8
8-9 PM	1219	0.0	1500	1219	0	3.96	114	64.1	29.0	34.1
9-10 PM	980	0.0	1500	980	0	0.52	0	64.6	55.7	41.7
10-11 PM	689	0.0	1500	689	0	0.49	0	65.1	56.5	42.8
11PM-MID	424	0.0	1500	424	0	0.46	0	65.6	57.3	43.8

+ 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	0.0177
MAIN ROUTE WITH WORKS	0.0125
'DIVERSION'	0.0081

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,105
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

