

STH 172: STH 57 TO IH 43 (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	107	0.0	OFF	107	0	0.00	0	66.2	66.2	66.2	
1-2 AM	70	0.0	OFF	70	0	0.00	0	66.3	66.3	66.3	
2-3 AM	85	0.0	OFF	85	0	0.00	0	66.2	66.2	66.2	
3-4 AM	113	0.0	OFF	113	0	0.00	0	66.2	66.2	66.2	
4-5 AM	340	0.0	OFF	340	0	0.00	0	65.8	65.8	65.8	
5-6 AM	1106	0.0	OFF	1106	0	0.00	0	64.3	64.3	64.3	
6-7 AM	2419	0.0	OFF	2419	0	0.00	0	61.7	61.7	61.7	
7-8 AM	3410	0.0	OFF	3410	0	0.00	0	51.5	51.5	51.5	
8-9 AM	2019	0.0	OFF	2019	0	0.00	0	62.6	62.6	62.6	
9-10 AM	1536	0.0	OFF	1536	0	0.00	0	63.5	63.5	63.5	
10-11 AM	1500	0.0	1499	1500	0	1.03	0	63.6	48.4	30.8	
11AM-NOON	1552	0.0	1500	1552	0	1.85	23	63.5	40.7	30.8	
NOON-1PM	1606	0.0	1500	1606	0	4.71	103	63.4	26.1	30.8	
1-2 PM	1646	0.0	1500	1646	0	9.17	224	63.3	16.8	30.8	
2-3 PM	1835	0.0	1500	1634	201	15.26+	386	63.0	11.3	30.8	
3-4 PM	2122	0.0	OFF	2122	0	0.89	51	62.4	49.4	49.4	
4-5 PM	2367	0.0	OFF	2367	0	0.00	0	62.0	62.0	62.0	
5-6 PM	2167	0.0	OFF	2167	0	0.00	0	62.3	62.3	62.3	
6-7 PM	1479	0.0	OFF	1479	0	0.00	0	63.7	63.7	63.7	
7-8 PM	978	0.0	OFF	978	0	0.00	0	64.6	64.6	64.6	
8-9 PM	747	0.0	OFF	747	0	0.00	0	65.0	65.0	65.0	
9-10 PM	561	0.0	OFF	561	0	0.00	0	65.3	65.3	65.3	
10-11 PM	392	0.0	OFF	392	0	0.00	0	65.6	65.6	65.6	
11PM-MID	196	0.0	OFF	196	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

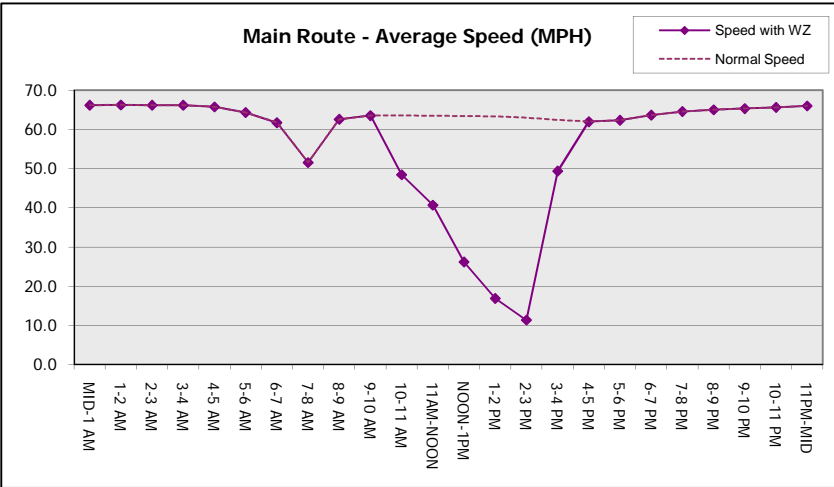
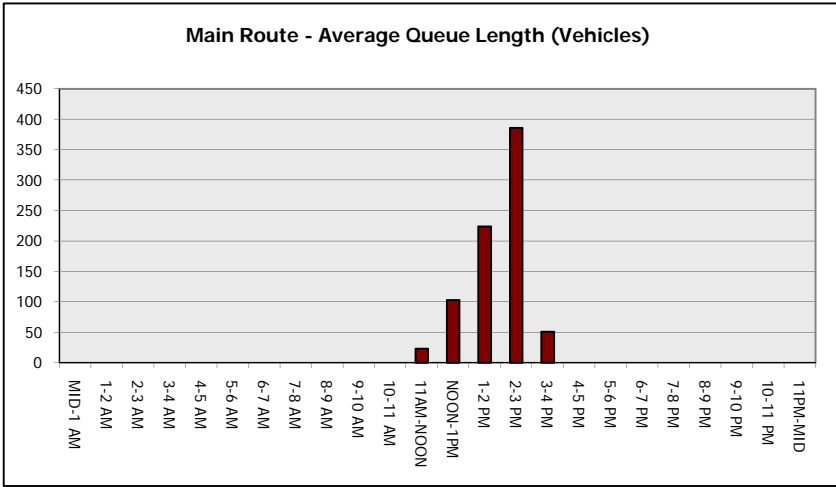
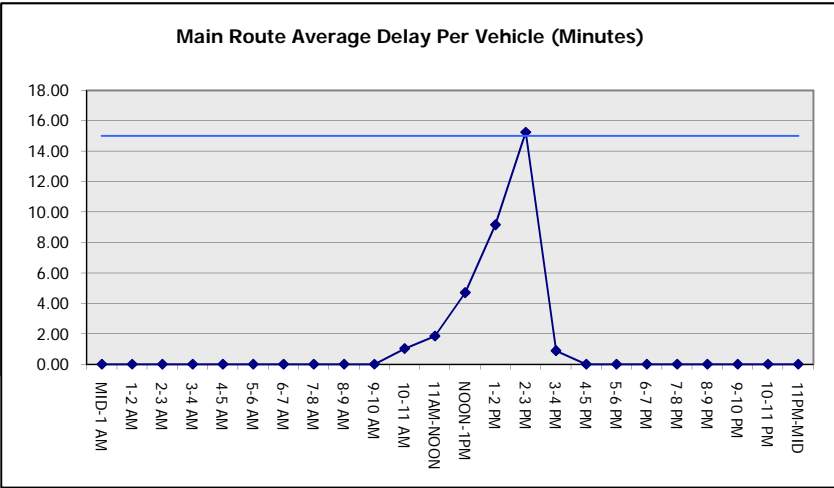
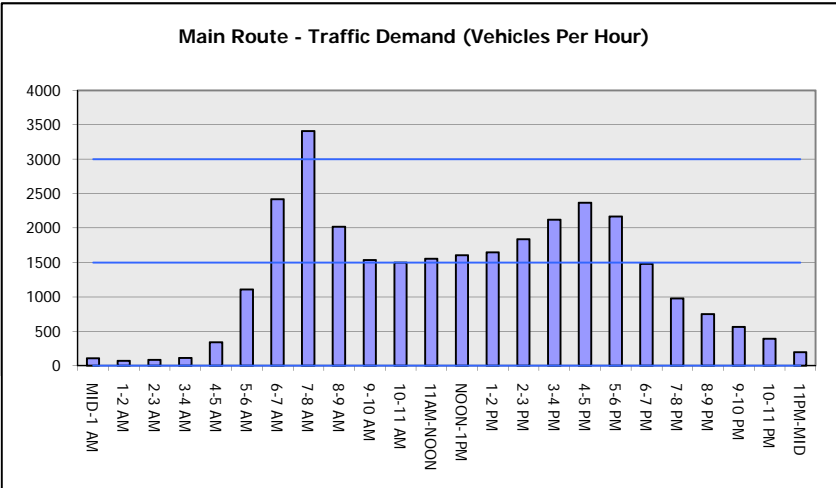
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0169
MAIN ROUTE WITH WORKS	0.0163
'DIVERSION'	0.0003
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$11,163
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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



STH 172: STH 57 TO IH 43 (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	179	0.0	OFF	179	0	0.00	0	66.1	66.1	66.1
1-2 AM	121	0.0	OFF	121	0	0.00	0	66.1	66.1	66.1
2-3 AM	102	0.0	OFF	102	0	0.00	0	66.2	66.2	66.2
3-4 AM	102	0.0	OFF	102	0	0.00	0	66.2	66.2	66.2
4-5 AM	208	0.0	OFF	208	0	0.00	0	66.0	66.0	66.0
5-6 AM	506	0.0	OFF	506	0	0.00	0	65.5	65.5	65.5
6-7 AM	1208	0.0	OFF	1208	0	0.00	0	64.1	64.1	64.1
7-8 AM	1684	0.0	OFF	1684	0	0.00	0	63.2	63.2	63.2
8-9 AM	1458	0.0	OFF	1458	0	0.00	0	63.7	63.7	63.7
9-10 AM	1323	0.0	OFF	1323	0	0.00	0	63.9	63.9	63.9
10-11 AM	1310	0.0	1499	1310	0	0.78	0	64.0	51.7	35.2
11AM-NOON	1513	0.0	1499	1513	0	1.23	6	63.6	46.3	31.1
NOON-1PM	1617	0.0	1500	1617	0	3.71	77	63.3	29.9	30.8
1-2 PM	1733	0.0	1500	1733	0	9.80	248	63.2	16.0	30.8
2-3 PM	1973	0.0	1499	1500	473	15.81+	400	62.7	10.9	30.8
3-4 PM	2741	0.0	OFF	2741	0	1.10	56	58.4	44.7	44.7
4-5 PM	3436	0.0	OFF	3436	0	0.00	0	51.3	51.3	51.3
5-6 PM	3066	0.0	OFF	3066	0	0.00	0	55.1	55.1	55.1
6-7 PM	1944	0.0	OFF	1944	0	0.00	0	62.8	62.8	62.8
7-8 PM	1311	0.0	OFF	1311	0	0.00	0	64.0	64.0	64.0
8-9 PM	1185	0.0	OFF	1185	0	0.00	0	64.1	64.1	64.1
9-10 PM	920	0.0	OFF	920	0	0.00	0	64.6	64.6	64.6
10-11 PM	570	0.0	OFF	570	0	0.00	0	65.3	65.3	65.3
11PM-MID	372	0.0	OFF	372	0	0.00	0	65.7	65.7	65.7

"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	0.0170
MAIN ROUTE WITH WORKS	0.0163
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$11,773
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

