

USH 41: IH 43 TO STH 29 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY SOUTHBOUND 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	241	0.0	1500	241	0	0.45	0	66.0	53.0	44.5
1-2 AM	147	0.0	1500	147	0	0.44	0	66.1	53.3	44.9
2-3 AM	160	0.0	1500	160	0	0.44	0	66.1	53.2	44.8
3-4 AM	116	0.0	1500	116	0	0.43	0	66.2	53.4	45.0
4-5 AM	119	0.0	1500	119	0	0.43	0	66.1	53.4	45.0
5-6 AM	270	0.0	1500	270	0	0.45	0	65.9	52.8	44.4
6-7 AM	351	0.0	1500	351	0	0.46	0	65.7	52.6	44.1
7-8 AM	478	0.0	1500	478	0	0.47	0	65.5	52.2	43.6
8-9 AM	817	0.0	1500	817	0	0.50	0	64.8	51.0	42.4
9-10 AM	1374	0.0	1499	1374	0	0.86	0	63.8	43.7	33.9
10-11 AM	1857	0.0	1500	1857	0	5.36	150	62.9	17.3	30.8
11AM-NOON	2323	0.0	1499	1528	795	16.98+	432	62.0	8.7	30.8
NOON-1PM	2461	0.0	1500	1519	942	16.94+	431	61.3	8.7	30.8
1-2 PM	2328	0.0	1500	1504	824	16.90+	430	62.0	8.7	30.8
2-3 PM	2363	0.0	1500	1503	860	16.90+	430	62.0	8.7	30.8
3-4 PM	2361	0.0	1500	1503	858	16.90+	430	62.0	8.7	30.8
4-5 PM	2175	0.0	1500	1502	673	16.90+	429	62.3	8.7	30.8
5-6 PM	1992	0.0	1500	1502	490	16.89+	429	62.7	8.7	30.8
6-7 PM	1658	0.0	1500	1501	157	16.88+	428	63.3	8.7	30.8
7-8 PM	1291	0.0	1499	1291	0	13.32+	336	64.0	9.7	30.8
8-9 PM	1028	0.0	1499	1028	0	1.63	56	64.5	34.5	39.0
9-10 PM	689	0.0	1500	689	0	0.49	0	65.1	51.4	42.8
10-11 PM	421	0.0	1500	421	0	0.46	0	65.6	52.4	43.8
11PM-MID	221	0.0	1500	221	0	0.44	0	66.0	53.0	44.6

+ 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

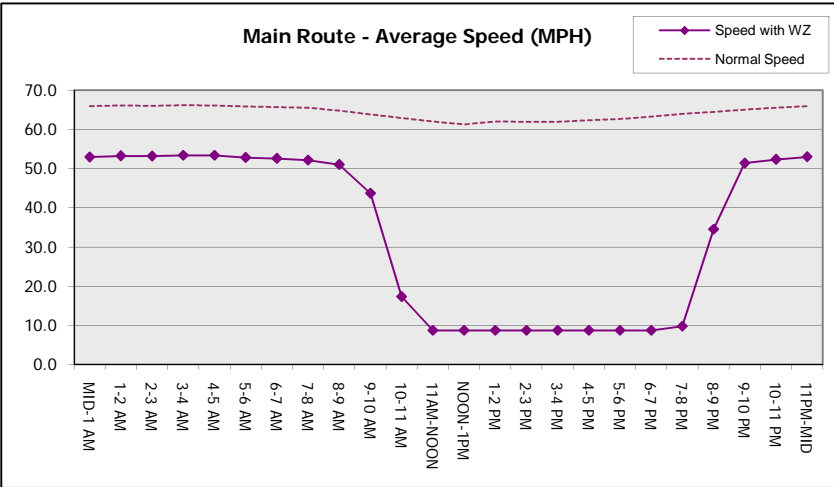
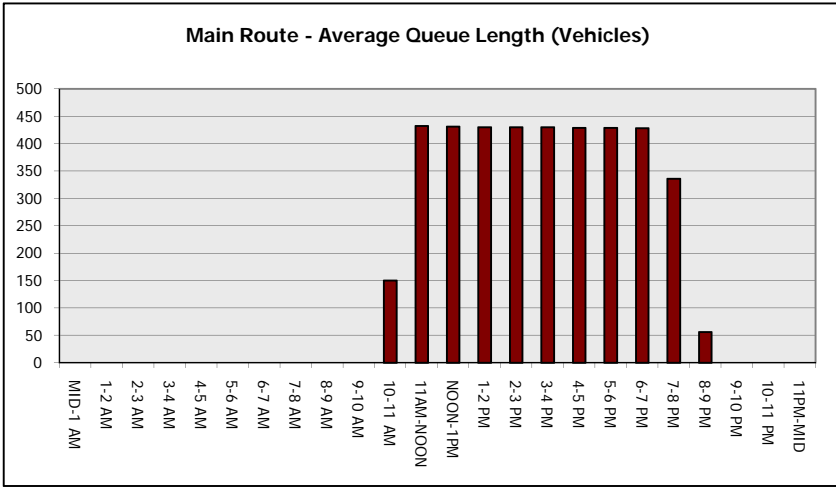
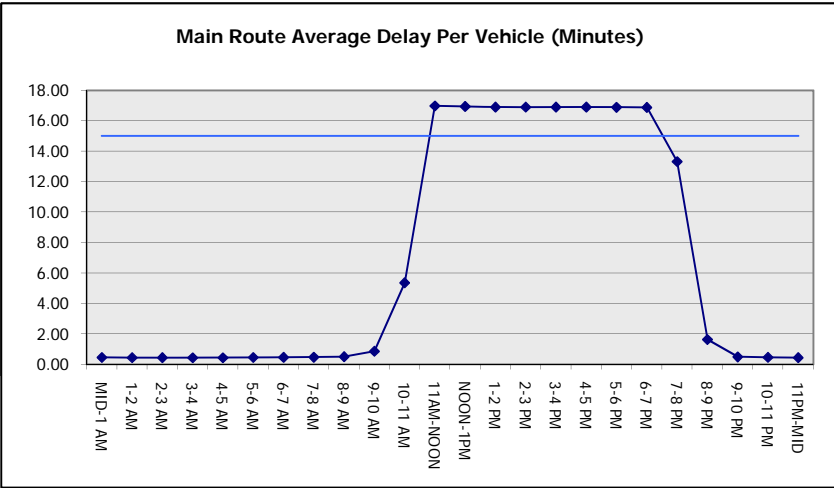
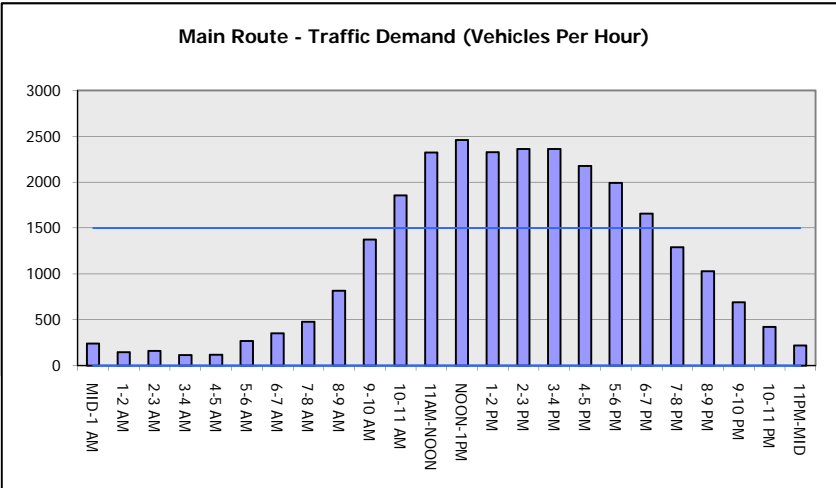
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0087
MAIN ROUTE WITH WORKS	0.0055
'DIVERSION'	0.0041
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$93,659
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: IH 43 TO STH 29 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY NORTHBOUND 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	355	0.0	1500	355	0	0.46	0	65.7	52.5	44.1
1-2 AM	188	0.0	1500	188	0	0.44	0	66.0	53.2	44.7
2-3 AM	153	0.0	1500	153	0	0.44	0	66.1	53.3	44.9
3-4 AM	133	0.0	1500	133	0	0.44	0	66.1	53.3	45.0
4-5 AM	117	0.0	1500	117	0	0.43	0	66.1	53.4	45.0
5-6 AM	167	0.0	1500	167	0	0.44	0	66.1	53.2	44.8
6-7 AM	287	0.0	1500	287	0	0.45	0	65.8	52.8	44.3
7-8 AM	374	0.0	1500	374	0	0.46	0	65.7	52.5	44.0
8-9 AM	556	0.0	1500	556	0	0.48	0	65.3	51.9	43.3
9-10 AM	910	0.0	1500	910	0	0.51	0	64.7	50.7	42.0
10-11 AM	1366	0.0	1499	1366	0	0.85	0	63.8	44.0	33.9
11AM-NOON	1623	0.0	1499	1623	0	2.49	47	63.3	27.4	30.8
NOON-1PM	1819	0.0	1500	1819	0	10.71+	276	63.0	11.0	30.8
1-2 PM	1824	0.0	1499	1498	326	16.89+	428	63.0	8.7	30.8
2-3 PM	1855	0.0	1499	1498	357	16.89+	428	62.9	8.7	30.8
3-4 PM	1885	0.0	1499	1498	386	16.89+	428	62.8	8.7	30.8
4-5 PM	1743	0.0	1499	1499	244	16.89+	428	63.2	8.7	30.8
5-6 PM	1590	0.0	1499	1498	92	16.88+	427	63.4	8.7	30.8
6-7 PM	1460	0.0	1499	1444	15	16.37+	414	63.7	8.8	30.8
7-8 PM	1129	0.0	1499	1129	0	7.23	210	64.3	14.4	34.0
8-9 PM	874	0.0	1500	874	0	0.51	0	64.8	50.8	42.1
9-10 PM	652	0.0	1500	652	0	0.49	0	65.1	51.5	42.9
10-11 PM	455	0.0	1500	455	0	0.47	0	65.5	52.2	43.7
11PM-MID	298	0.0	1500	298	0	0.45	0	65.8	52.8	44.3

+ 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	0.0069
MAIN ROUTE WITH WORKS	0.0051
'DIVERSION'	0.0010

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$59,392
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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