

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

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	130	0.0	1500	130	0	0.44	0	66.1	53.3	45.0	
1-2 AM	91	0.0	1500	91	0	0.43	0	66.2	53.5	45.1	
2-3 AM	90	0.0	1500	90	0	0.43	0	66.2	53.5	45.1	
3-4 AM	91	0.0	1500	91	0	0.43	0	66.2	53.5	45.1	
4-5 AM	277	0.0	1500	277	0	0.45	0	65.9	52.8	44.4	
5-6 AM	813	0.0	1500	813	0	0.50	0	64.9	51.0	42.4	
6-7 AM	1510	0.0	1499	1510	0	1.45	17	63.6	36.0	32.2	
7-8 AM	1883	0.0	1500	1883	0	10.07+	267	62.8	11.5	30.8	
8-9 AM	1384	0.0	1499	1343	42	15.07+	380	63.8	9.2	30.8	
9-10 AM	1292	0.0	1499	1292	0	7.50	184	64.0	13.4	30.9	
10-11 AM	1678	0.0	1500	1678	0	6.78	163	63.3	14.2	30.8	
11AM-NOON	1766	0.0	1500	1628	138	14.87+	377	63.1	9.3	30.8	
NOON-1PM	1869	0.0	1500	1506	363	16.89+	428	62.9	8.7	30.8	
1-2 PM	1946	0.0	1500	1505	442	16.89+	428	62.8	8.7	30.8	
2-3 PM	2005	0.0	1500	1504	501	16.89+	429	62.7	8.7	30.8	
3-4 PM	2153	0.0	1500	1503	650	16.90+	429	62.3	8.7	30.8	
4-5 PM	2282	0.0	1500	1503	779	16.90+	429	62.2	8.7	30.8	
5-6 PM	2025	0.0	1500	1502	522	16.89+	429	62.6	8.7	30.8	
6-7 PM	1501	0.0	1500	1444	56	16.18+	409	63.6	8.9	30.8	
7-8 PM	1114	0.0	1499	1114	0	5.79	190	64.3	16.9	34.9	
8-9 PM	848	0.0	1500	848	0	0.50	0	64.8	50.9	42.2	
9-10 PM	665	0.0	1500	665	0	0.49	0	65.1	51.5	42.9	
10-11 PM	442	0.0	1500	442	0	0.47	0	65.6	52.3	43.7	
11PM-MID	196	0.0	1500	196	0	0.44	0	66.0	53.1	44.7	

+ 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

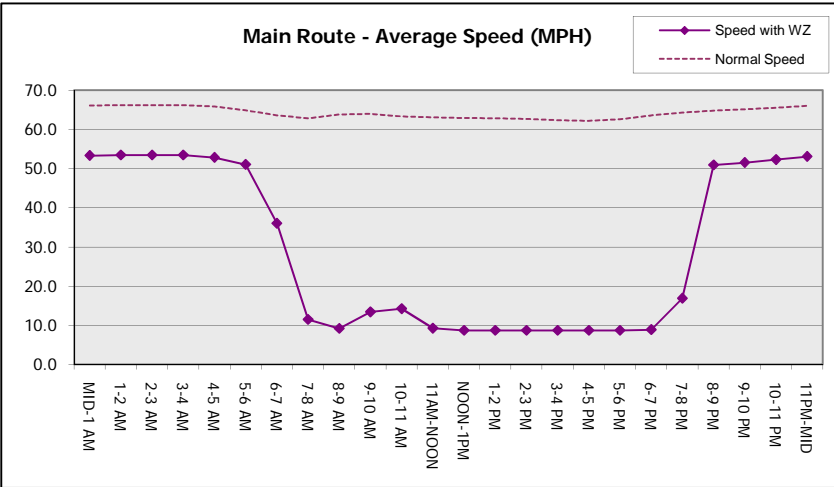
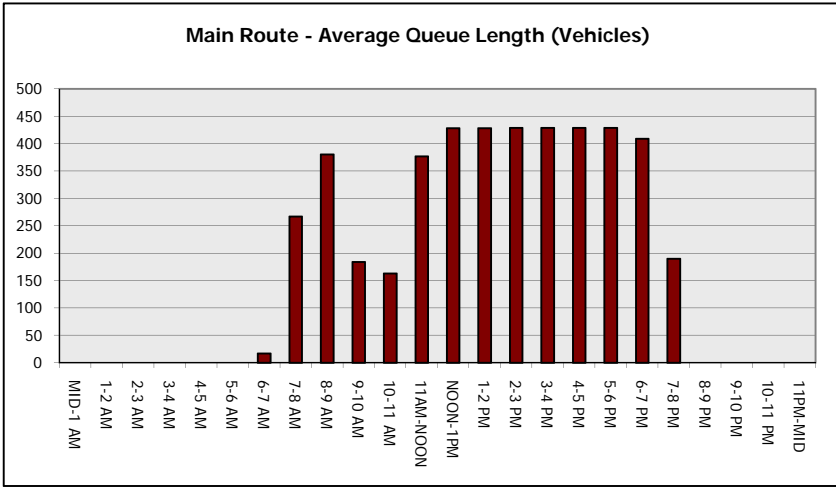
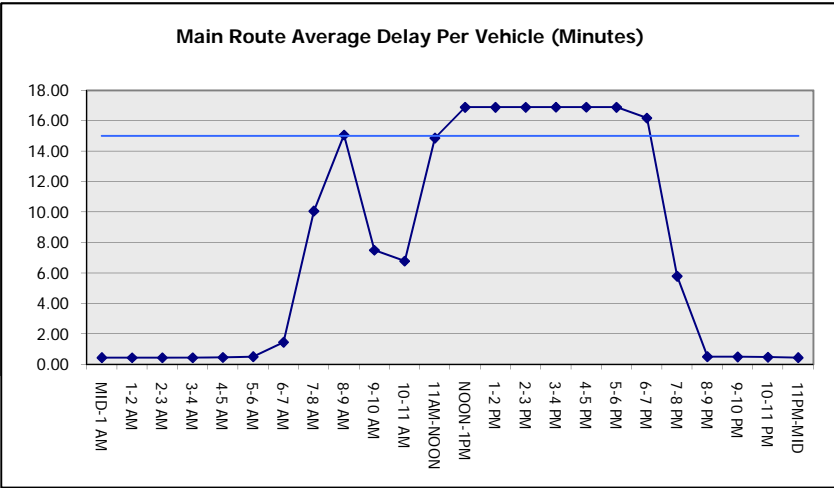
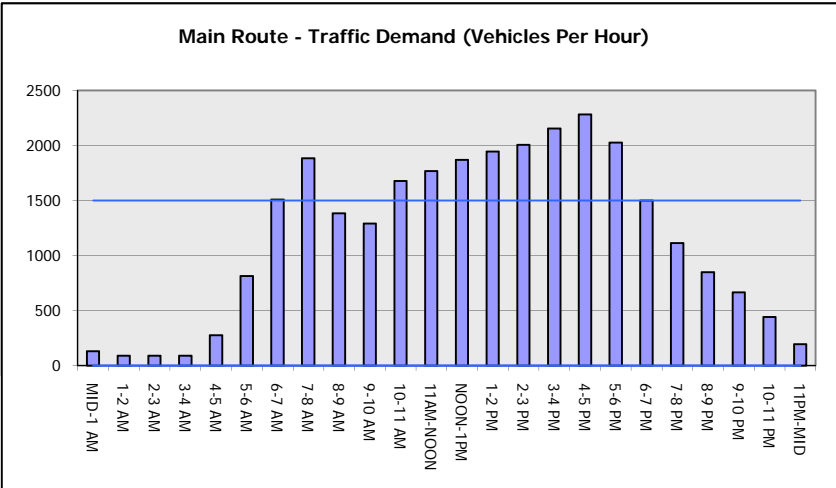
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0089
MAIN ROUTE WITH WORKS	0.0062
'DIVERSION'	0.0026
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$73,522
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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



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

MON-THUR 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	163	0.0	1500	163	0	0.44	0	66.1	53.2	44.8
1-2 AM	115	0.0	1500	115	0	0.43	0	66.2	53.4	45.0
2-3 AM	107	0.0	1500	107	0	0.43	0	66.2	53.4	45.1
3-4 AM	108	0.0	1500	108	0	0.43	0	66.2	53.4	45.1
4-5 AM	167	0.0	1500	167	0	0.44	0	66.1	53.2	44.8
5-6 AM	384	0.0	1500	384	0	0.46	0	65.6	52.5	44.0
6-7 AM	775	0.0	1500	775	0	0.50	0	65.0	51.2	42.5
7-8 AM	922	0.0	1500	922	0	0.51	0	64.6	50.7	42.0
8-9 AM	885	0.0	1500	885	0	0.51	0	64.7	50.8	42.1
9-10 AM	952	0.0	1500	952	0	0.51	0	64.6	50.6	41.9
10-11 AM	1364	0.0	1499	1364	0	0.84	0	63.8	44.0	34.0
11AM-NOON	1520	0.0	1499	1520	0	1.23	6	63.5	38.4	30.9
NOON-1PM	1607	0.0	1500	1607	0	3.50	72	63.4	22.2	30.8
1-2 PM	1727	0.0	1500	1727	0	9.41	235	63.2	11.7	30.8
2-3 PM	1937	0.0	1499	1560	377	16.63+	422	62.8	8.8	30.8
3-4 PM	2505	0.0	1500	1506	999	16.88+	431	60.9	8.7	30.8
4-5 PM	2878	0.0	1500	1513	1365	16.98+	438	57.0	8.6	30.8
5-6 PM	2664	0.0	1500	1498	1165	16.90+	433	59.2	8.7	30.8
6-7 PM	1823	0.0	1500	1499	324	16.89+	428	63.0	8.7	30.8
7-8 PM	1336	0.0	1499	1336	0	14.82+	374	63.9	9.3	30.8
8-9 PM	1127	0.0	1499	1127	0	2.89	110	64.3	25.6	36.6
9-10 PM	910	0.0	1500	910	0	0.51	0	64.7	50.7	42.0
10-11 PM	542	0.0	1500	542	0	0.48	0	65.4	51.9	43.3
11PM-MID	390	0.0	1500	390	0	0.46	0	65.6	52.5	43.9

+ 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	0.0086
MAIN ROUTE WITH WORKS	0.0057
'DIVERSION'	0.0031

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$55,885
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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