

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	444	0.0	1500	444	0	2.29	99	65.6	43.1	43.2	
1-2 AM	324	0.0	1500	324	0	0.45	0	65.8	59.6	44.2	
2-3 AM	277	0.0	1500	277	0	0.45	0	65.9	59.7	44.4	
3-4 AM	248	0.0	1500	248	0	0.45	0	66.0	59.8	44.5	
4-5 AM	245	0.0	1500	245	0	0.45	0	66.0	59.8	44.5	
5-6 AM	423	0.0	1500	423	0	0.46	0	65.6	59.3	43.8	
6-7 AM	629	0.0	1500	629	0	0.48	0	65.2	58.7	43.0	
7-8 AM	1005	0.0	1500	1005	0	0.52	0	64.5	57.8	41.7	
8-9 AM	1325	0.0	1499	1325	0	0.80	0	63.9	54.3	35.0	
9-10 AM	1608	0.0	1499	1608	0	2.10	33	63.4	43.3	30.8	
10-11 AM	1992	0.0	1500	1751	241	11.45+	303	62.7	17.9	30.8	
11AM-NOON	2124	0.0	1499	1500	624	15.77+	399	62.4	14.1	30.8	
NOON-1PM	2256	0.0	1500	1500	756	15.75+	400	62.2	14.1	30.8	
1-2 PM	2163	0.0	1500	1500	663	15.76+	400	62.3	14.1	30.8	
2-3 PM	2178	0.0	1500	1500	678	15.76+	400	62.3	14.1	30.8	
3-4 PM	2095	0.0	1500	1500	595	15.77+	400	62.5	14.1	30.8	
4-5 PM	1997	0.0	1500	1500	497	15.79+	400	62.7	14.1	30.8	
5-6 PM	1744	0.0	1500	1527	217	15.70+	396	63.2	14.2	30.8	
6-7 PM	1524	0.0	1500	1485	39	15.46+	389	63.5	14.4	30.8	
7-8 PM	1220	0.0	1499	1220	0	9.23	239	64.1	21.0	31.9	
8-9 PM	1225	0.0	1500	1225	0	1.06	12	64.1	51.9	37.1	
9-10 PM	1646	0.0	1499	1646	0	2.13	38	63.3	43.1	31.0	
10-11 PM	2548	0.0	1500	1757	791	14.12+	371	60.4	15.2	32.9	
11PM-MID	1967	0.0	1499	1500	467	15.79+	399	62.7	14.1	30.8	

+ 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	0.0253
MAIN ROUTE WITH WORKS	0.0193
'DIVERSION'	0.0098
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$101,574
CONGESTED HOURS PER DAY*	11

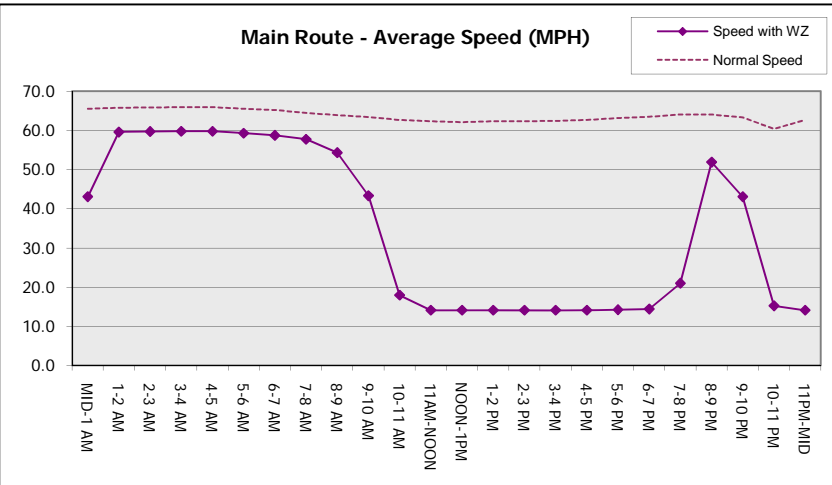
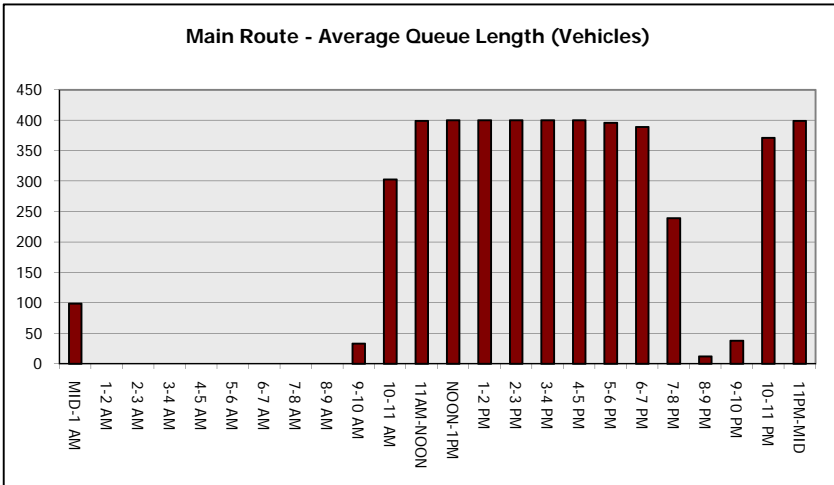
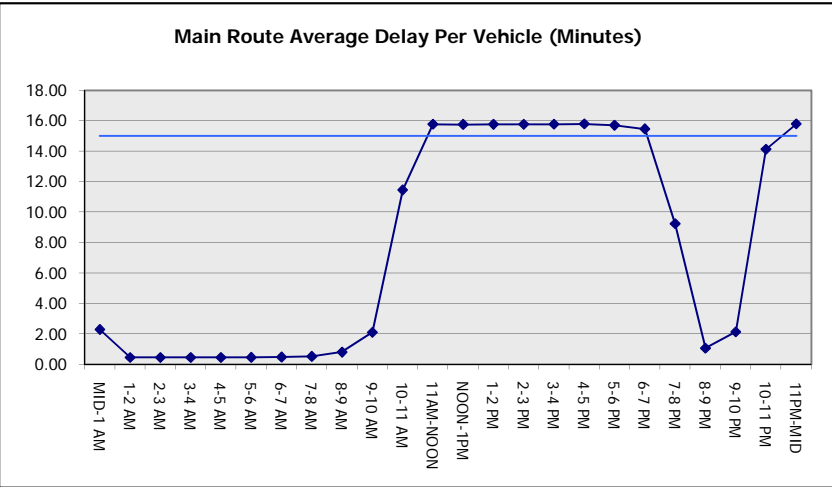
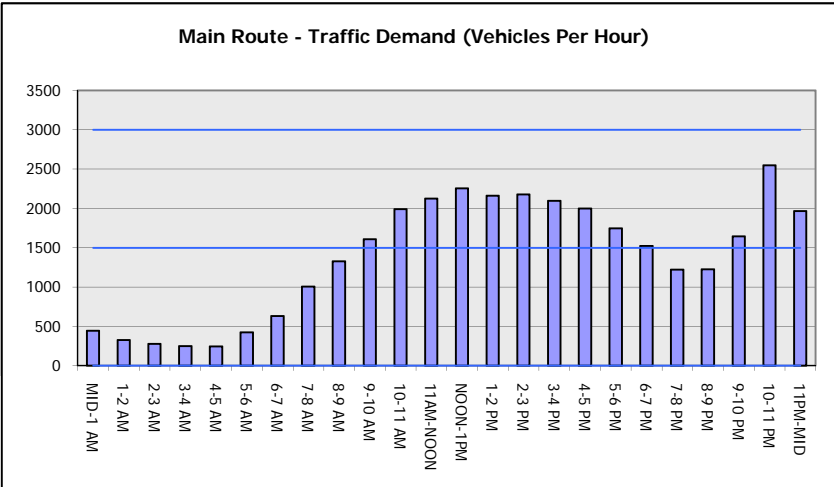
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION



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

SATURDAY 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	375	0.0	1500	375	0	0.46	0	65.7	59.4	44.0
1-2 AM	246	0.0	1500	246	0	0.45	0	66.0	59.8	44.5
2-3 AM	211	0.0	1500	211	0	0.44	0	66.0	59.9	44.6
3-4 AM	177	0.0	1500	177	0	0.44	0	66.1	60.0	44.8
4-5 AM	220	0.0	1500	220	0	0.44	0	66.0	59.9	44.6
5-6 AM	377	0.0	1500	377	0	0.46	0	65.7	59.4	44.0
6-7 AM	634	0.0	1500	634	0	0.48	0	65.2	58.7	43.0
7-8 AM	993	0.0	1499	993	0	0.52	0	64.5	57.8	41.7
8-9 AM	1456	0.0	1499	1456	0	1.19	8	63.7	50.4	32.5
9-10 AM	1861	0.0	1500	1861	0	6.93	186	62.9	25.0	30.8
10-11 AM	2281	0.0	1499	1500	781	15.75+	399	62.2	14.1	30.8
11AM-NOON	2443	0.0	1500	1500	943	15.70+	400	61.5	14.1	30.8
NOON-1PM	2455	0.0	1500	1500	955	15.69+	400	61.4	14.1	30.8
1-2 PM	2560	0.0	1500	1500	1060	15.60+	400	60.3	14.1	30.8
2-3 PM	2747	0.0	1500	1500	1247	15.45+	400	58.4	14.1	30.8
3-4 PM	2869	0.0	1500	1500	1369	15.34+	400	57.1	14.1	30.8
4-5 PM	2903	0.0	1500	1500	1403	15.31+	400	56.8	14.1	30.8
5-6 PM	2592	0.0	1500	1500	1092	15.58+	400	59.9	14.1	30.8
6-7 PM	2001	0.0	1500	1500	501	15.79+	400	62.7	14.1	30.8
7-8 PM	1306	0.0	1499	1306	0	12.77+	323	64.0	16.6	30.9
8-9 PM	1106	0.0	1499	1106	0	2.05	56	64.3	44.1	38.3
9-10 PM	932	0.0	1500	932	0	0.51	0	64.6	57.9	41.9
10-11 PM	805	0.0	1500	805	0	0.50	0	64.9	58.3	42.4
11PM-MID	616	0.0	1500	616	0	0.48	0	65.3	58.8	43.1

+ 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	0.0261
MAIN ROUTE WITH WORKS	0.0173
'DIVERSION'	0.0165

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$108,814
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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