

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

FRIDAY 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	359	0.0	1500	359	0	0.46	0	65.7	59.5	44.0	
1-2 AM	257	0.0	1500	257	0	0.45	0	65.9	59.8	44.5	
2-3 AM	226	0.0	1500	226	0	0.44	0	66.0	59.9	44.6	
3-4 AM	235	0.0	1500	235	0	0.45	0	66.0	59.9	44.5	
4-5 AM	507	0.0	1500	507	0	0.47	0	65.5	59.1	43.5	
5-6 AM	1317	0.0	1499	1317	0	1.04	8	63.9	52.0	36.1	
6-7 AM	2546	0.0	1500	1902	643	11.85+	318	60.4	17.3	30.8	
7-8 AM	3247	0.0	1500	1500	1747	14.97+	400	53.2	14.1	30.8	
8-9 AM	2256	0.0	1500	1500	756	15.75+	400	62.2	14.1	30.8	
9-10 AM	2161	0.0	1500	1500	661	15.76+	400	62.3	14.1	30.8	
10-11 AM	2345	0.0	1500	1500	845	15.74+	400	62.0	14.1	30.8	
11AM-NOON	2577	0.0	1500	1500	1077	15.59+	400	60.1	14.1	30.8	
NOON-1PM	2801	0.0	1500	1500	1301	15.40+	400	57.8	14.1	30.8	
1-2 PM	2899	0.0	1500	1500	1399	15.31+	400	56.8	14.1	30.8	
2-3 PM	3046	0.0	1500	1500	1546	15.17+	400	55.3	14.1	30.8	
3-4 PM	3247	0.0	1500	1500	1747	14.97+	400	53.2	14.1	30.8	
4-5 PM	3609	0.0	1500	1500	2109	14.57+	400	49.6	14.1	30.8	
5-6 PM	3160	0.0	1500	1500	1660	15.06+	400	54.2	14.1	30.8	
6-7 PM	2097	0.0	1500	1500	597	15.77+	400	62.5	14.1	30.8	
7-8 PM	1510	0.0	1499	1401	109	14.92+	375	63.6	14.8	30.8	
8-9 PM	1278	0.0	1499	1278	0	9.53	240	64.0	20.5	31.3	
9-10 PM	1127	0.0	1500	1127	0	1.16	20	64.3	51.0	39.4	
10-11 PM	966	0.0	1500	966	0	0.52	0	64.6	57.9	41.8	
11PM-MID	703	0.0	1500	703	0	0.49	0	65.1	58.6	42.7	

+ 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

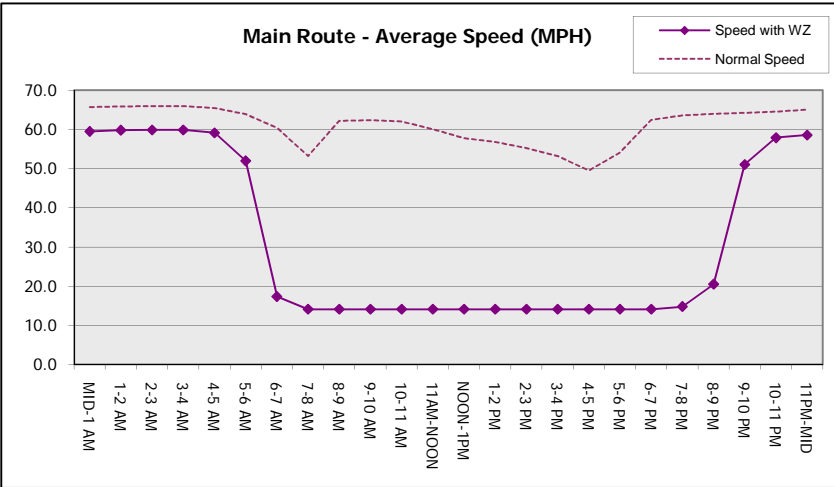
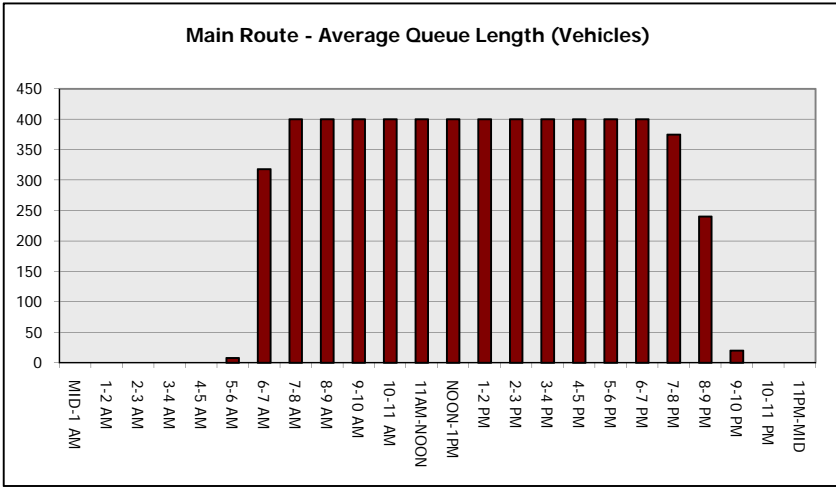
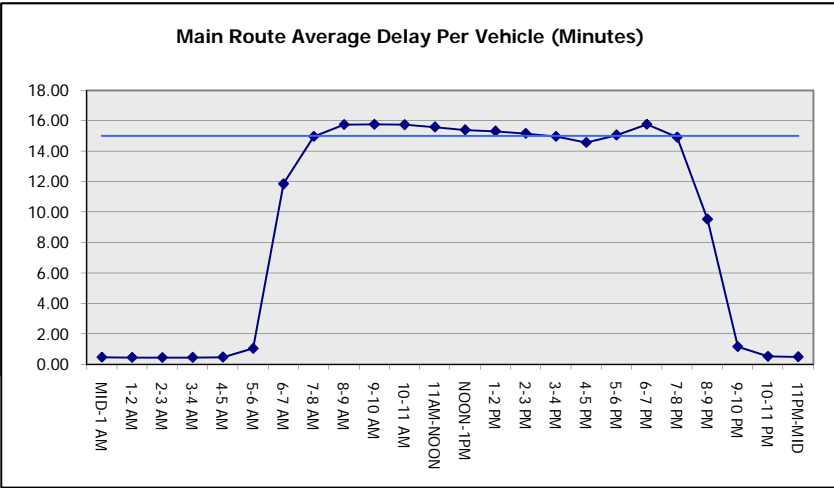
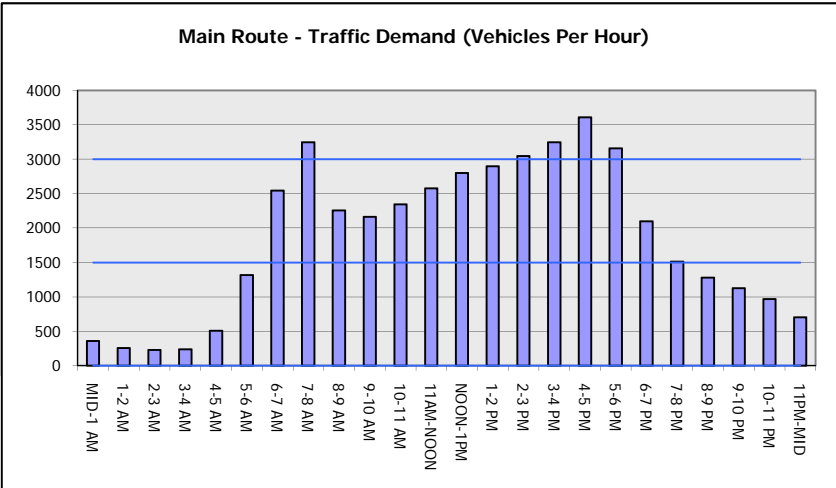
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0340
MAIN ROUTE WITH WORKS	0.0197
'DIVERSION'	0.0286
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$130,874
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

FRIDAY 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	354	0.0	1500	354	0	0.46	0	65.7	59.5	44.1
1-2 AM	220	0.0	1500	220	0	0.44	0	66.0	59.9	44.6
2-3 AM	219	0.0	1500	219	0	0.44	0	66.0	59.9	44.6
3-4 AM	216	0.0	1500	216	0	0.44	0	66.0	59.9	44.6
4-5 AM	339	0.0	1500	339	0	0.46	0	65.8	59.6	44.2
5-6 AM	878	0.0	1500	878	0	0.51	0	64.8	58.1	42.1
6-7 AM	2082	0.0	1499	2080	2	6.62+	214	62.5	25.6	30.8
7-8 AM	3323	0.0	1500	1340	1983	14.34+	390	52.5	14.5	34.4
8-9 AM	2546	0.0	1500	1500	1046	15.62+	400	60.4	14.1	30.8
9-10 AM	2414	0.0	1500	1500	914	15.72+	400	61.8	14.1	30.8
10-11 AM	2570	0.0	1500	1500	1070	15.60+	400	60.2	14.1	30.8
11AM-NOON	2805	0.0	1500	1500	1305	15.40+	400	57.8	14.1	30.8
NOON-1PM	2982	0.0	1500	1500	1482	15.23+	400	56.0	14.1	30.8
1-2 PM	3017	0.0	1500	1500	1517	15.20+	400	55.6	14.1	30.8
2-3 PM	3372	0.0	1500	1500	1872	14.84+	400	52.0	14.1	30.8
3-4 PM	3736	0.0	1500	1500	2236	14.41+	400	48.3	14.1	30.8
4-5 PM	4196	0.0	1500	1500	2696	13.76+	400	43.5	14.1	30.8
5-6 PM	3776	0.0	1500	1500	2276	14.36+	400	47.8	14.1	30.8
6-7 PM	2723	0.0	1500	1500	1223	15.47+	400	58.6	14.1	30.8
7-8 PM	1955	0.0	1500	1500	455	15.79+	400	62.7	14.1	30.8
8-9 PM	1581	0.0	1499	1466	115	15.70+	396	63.5	14.2	30.8
9-10 PM	1332	0.0	1499	1332	0	12.71+	319	63.9	16.7	30.8
10-11 PM	1007	0.0	1499	1007	0	1.99	57	64.5	44.6	39.2
11PM-MID	687	0.0	1500	687	0	0.49	0	65.1	58.6	42.8

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0369
MAIN ROUTE WITH WORKS	0.0196
'DIVERSION'	0.0357

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$146,152
CONGESTED HOURS PER DAY*	16

*Delays Exceeding User-Specified Maximum

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