

<b>USH 41: STH 29 TO CTH AAA (BROWN COUNTY)                  NIGHTTIME CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	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	436	0.0	1500	436	0	0.46	0	65.6	59.3	43.8	
1-2 AM	301	0.0	1500	301	0	0.45	0	65.8	59.7	44.3	
2-3 AM	274	0.0	1500	274	0	0.45	0	65.9	59.7	44.4	
3-4 AM	225	0.0	1500	225	0	0.44	0	66.0	59.9	44.6	
4-5 AM	304	0.0	1500	304	0	0.45	0	65.8	59.7	44.3	
5-6 AM	448	0.0	1500	448	0	0.47	0	65.6	59.2	43.7	
6-7 AM	754	0.0	1500	754	0	0.50	0	65.0	58.4	42.5	
7-8 AM	1028	0.0	1500	1028	0	0.52	0	64.5	57.7	41.6	
8-9 AM	1327	0.0	OFF	1327	0	0.00	0	63.9	63.9	63.9	
9-10 AM	1609	0.0	OFF	1609	0	0.00	0	63.4	63.4	63.4	
10-11 AM	1993	0.0	OFF	1993	0	0.00	0	62.7	62.7	62.7	
11AM-NOON	2155	0.0	OFF	2155	0	0.00	0	62.3	62.3	62.3	
NOON-1PM	2219	0.0	OFF	2219	0	0.00	0	62.2	62.2	62.2	
1-2 PM	2160	0.0	OFF	2160	0	0.00	0	62.3	62.3	62.3	
2-3 PM	2115	0.0	OFF	2115	0	0.00	0	62.5	62.5	62.5	
3-4 PM	2132	0.0	OFF	2132	0	0.00	0	62.4	62.4	62.4	
4-5 PM	2165	0.0	OFF	2165	0	0.00	0	62.3	62.3	62.3	
5-6 PM	1994	0.0	OFF	1994	0	0.00	0	62.7	62.7	62.7	
6-7 PM	1730	0.0	1499	1730	0	5.38	130	63.2	28.9	30.8	
7-8 PM	1509	0.0	1499	1509	0	9.97	241	63.6	19.9	30.8	
8-9 PM	1506	0.0	1500	1506	0	10.16	246	63.6	19.6	30.8	
9-10 PM	1351	0.0	1499	1351	0	7.66	184	63.8	23.7	31.1	
10-11 PM	1040	0.0	1500	1040	0	0.85	11	64.5	54.2	41.1	
11PM-MID	917	0.0	1500	917	0	0.51	0	64.6	58.0	42.0	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0242
MAIN ROUTE WITH WORKS	0.0234
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$14,392
CONGESTED HOURS PER DAY*	0

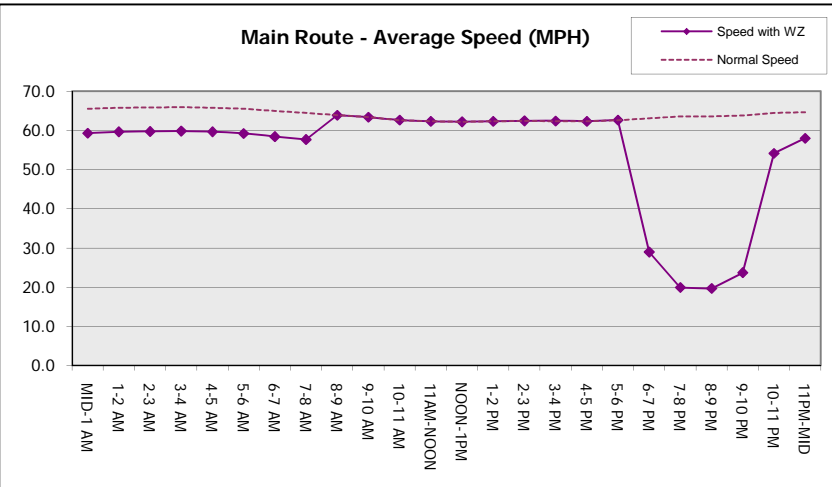
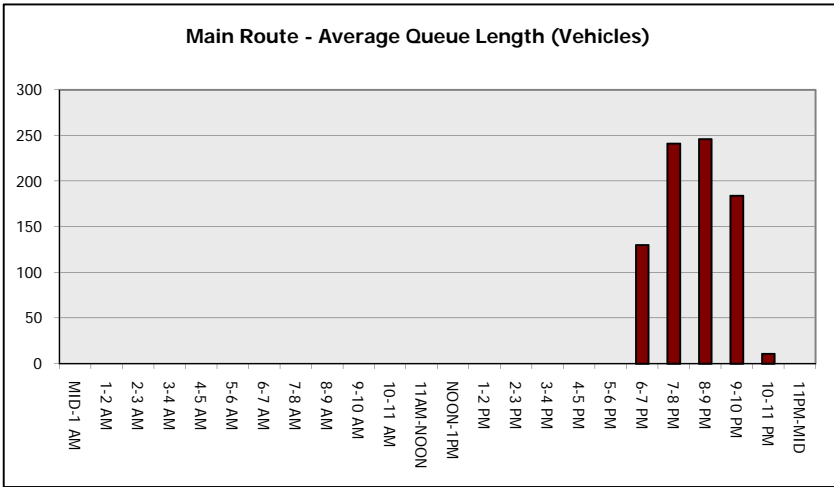
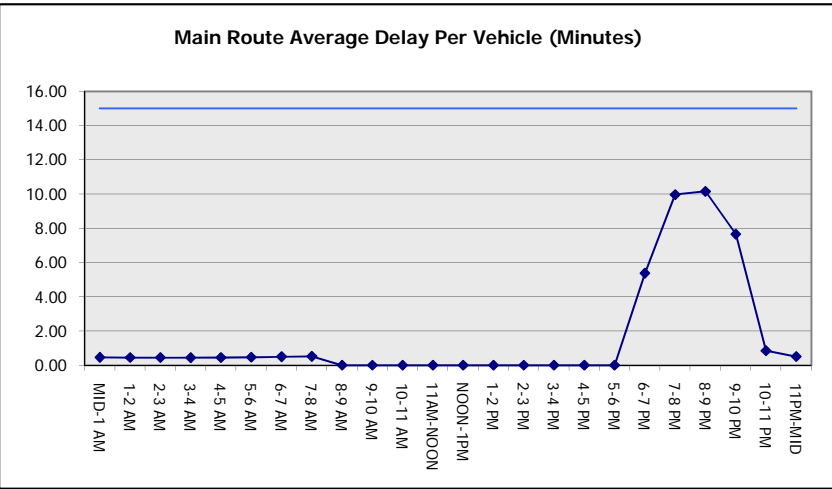
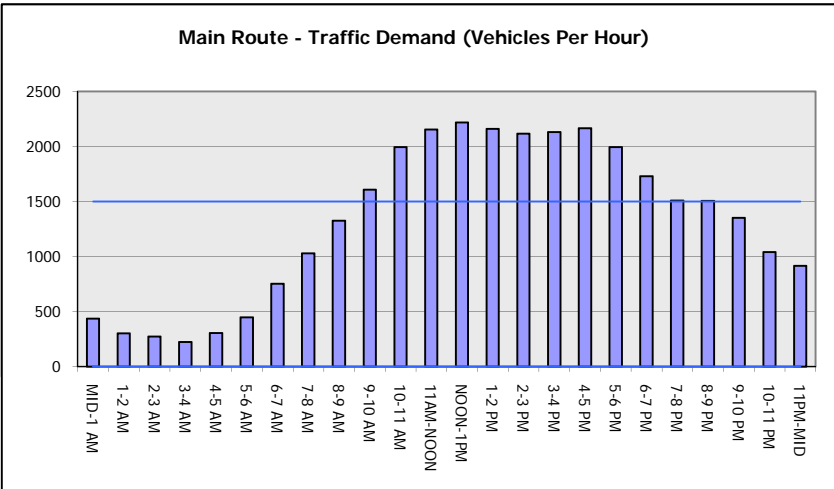
\*Delays Exceeding User-Specified Maximum

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**OCTOBER**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SATURDAY SOUTHBOUND DIRECTION**



<b>USH 41: STH 29 TO CTH AAA (BROWN COUNTY)                  NIGHTTIME CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
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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	363	0.0	1500	363	0	0.46	0	65.7	59.5	44.0
1-2 AM	204	0.0	1500	204	0	0.44	0	66.0	59.9	44.6
2-3 AM	202	0.0	1500	202	0	0.44	0	66.0	59.9	44.6
3-4 AM	170	0.0	1500	170	0	0.44	0	66.1	60.0	44.8
4-5 AM	241	0.0	1500	241	0	0.45	0	66.0	59.8	44.5
5-6 AM	385	0.0	1500	385	0	0.46	0	65.6	59.4	44.0
6-7 AM	658	0.0	1500	658	0	0.49	0	65.1	58.7	42.9
7-8 AM	1117	0.0	1499	1117	0	0.60	0	64.3	56.7	39.4
8-9 AM	1646	0.0	OFF	1646	0	0.00	0	63.3	63.3	63.3
9-10 AM	1957	0.0	OFF	1957	0	0.00	0	62.7	62.7	62.7
10-11 AM	2155	0.0	OFF	2155	0	0.00	0	62.3	62.3	62.3
11AM-NOON	2393	0.0	OFF	2393	0	0.00	0	61.9	61.9	61.9
NOON-1PM	2373	0.0	OFF	2373	0	0.00	0	62.0	62.0	62.0
1-2 PM	2186	0.0	OFF	2186	0	0.00	0	62.3	62.3	62.3
2-3 PM	2118	0.0	OFF	2118	0	0.00	0	62.4	62.4	62.4
3-4 PM	2184	0.0	OFF	2184	0	0.00	0	62.3	62.3	62.3
4-5 PM	2327	0.0	OFF	2327	0	0.00	0	62.0	62.0	62.0
5-6 PM	2240	0.0	OFF	2240	0	0.00	0	62.2	62.2	62.2
6-7 PM	2123	0.0	1499	1854	269	10.60+	288	62.4	18.9	30.8
7-8 PM	1560	0.0	1500	1529	32	15.50+	390	63.5	14.3	30.8
8-9 PM	1268	0.0	1499	1268	0	11.05	281	64.0	18.5	31.1
9-10 PM	1099	0.0	1500	1099	0	1.49	33	64.3	48.3	39.0
10-11 PM	787	0.0	1500	787	0	0.50	0	64.9	58.4	42.4
11PM-MID	544	0.0	1500	544	0	0.48	0	65.4	59.0	43.3

"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	0.0247
MAIN ROUTE WITH WORKS	0.0237
'DIVERSION'	0.0005

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$17,508
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY NORTHBOUND DIRECTION**

