

USH 41: STH 29 TO CTH AAA (BROWN COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	443	0.0	1500	443	0	0.47	0	65.6	59.2	43.7
1-2 AM	330	0.0	1500	330	0	0.45	0	65.8	59.6	44.2
2-3 AM	279	0.0	1500	279	0	0.45	0	65.9	59.7	44.3
3-4 AM	211	0.0	1500	211	0	0.44	0	66.0	59.9	44.6
4-5 AM	242	0.0	1500	242	0	0.45	0	66.0	59.8	44.5
5-6 AM	407	0.0	1500	407	0	0.46	0	65.6	59.4	43.8
6-7 AM	690	0.0	1500	690	0	0.49	0	65.1	58.6	42.8
7-8 AM	1089	0.0	1500	1089	0	0.53	0	64.3	57.6	41.4
8-9 AM	1343	0.0	OFF	1343	0	0.00	0	63.9	63.9	63.9
9-10 AM	1613	0.0	OFF	1613	0	0.00	0	63.4	63.4	63.4
10-11 AM	1891	0.0	OFF	1891	0	0.00	0	62.8	62.8	62.8
11AM-NOON	1991	0.0	OFF	1991	0	0.00	0	62.7	62.7	62.7
NOON-1PM	2070	0.0	OFF	2070	0	0.00	0	62.5	62.5	62.5
1-2 PM	1992	0.0	OFF	1992	0	0.00	0	62.7	62.7	62.7
2-3 PM	2034	0.0	OFF	2034	0	0.00	0	62.6	62.6	62.6
3-4 PM	2106	0.0	OFF	2106	0	0.00	0	62.5	62.5	62.5
4-5 PM	2065	0.0	OFF	2065	0	0.00	0	62.5	62.5	62.5
5-6 PM	1907	0.0	OFF	1907	0	0.00	0	62.8	62.8	62.8
6-7 PM	1643	0.0	1499	1643	0	4.17	90	63.3	33.0	30.8
7-8 PM	1296	0.0	1499	1296	0	2.69	62	64.0	40.1	33.7
8-9 PM	1179	0.0	1500	1179	0	0.61	0	64.2	56.5	39.1
9-10 PM	1032	0.0	1500	1032	0	0.52	0	64.5	57.7	41.5
10-11 PM	828	0.0	1500	828	0	0.50	0	64.8	58.2	42.3
11PM-MID	659	0.0	1500	659	0	0.49	0	65.1	58.7	42.9

"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

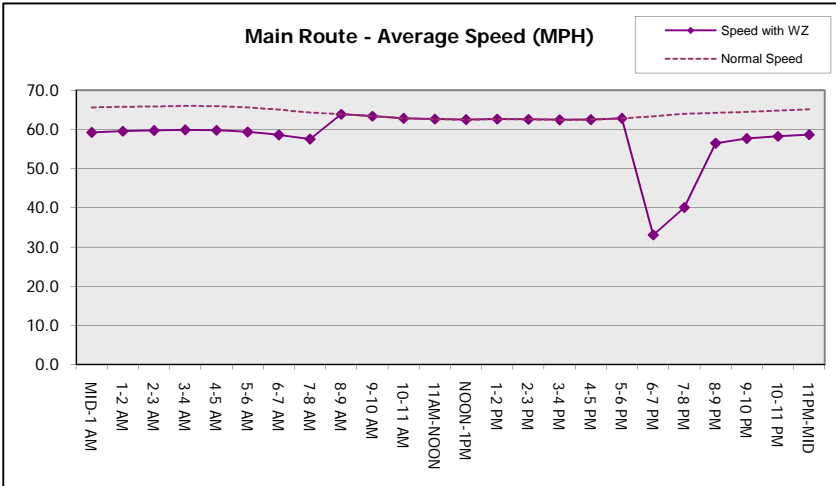
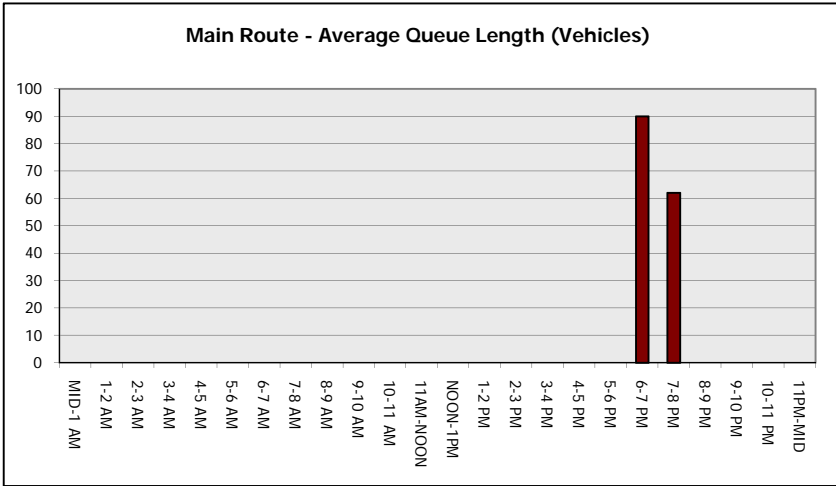
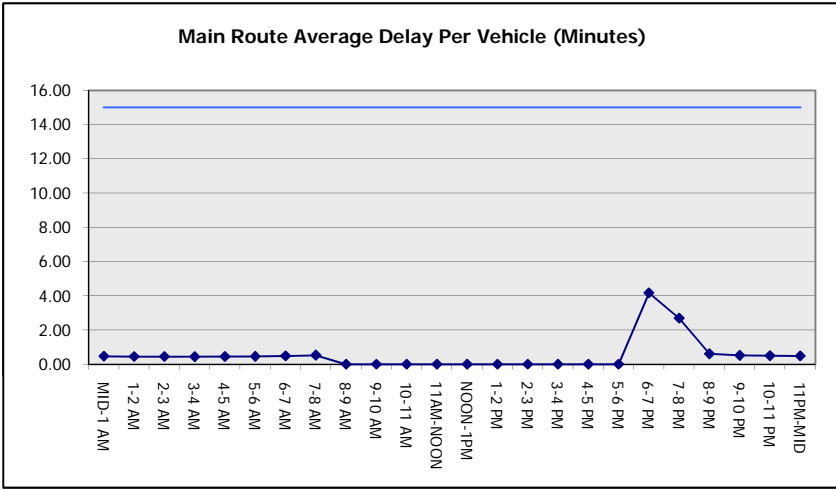
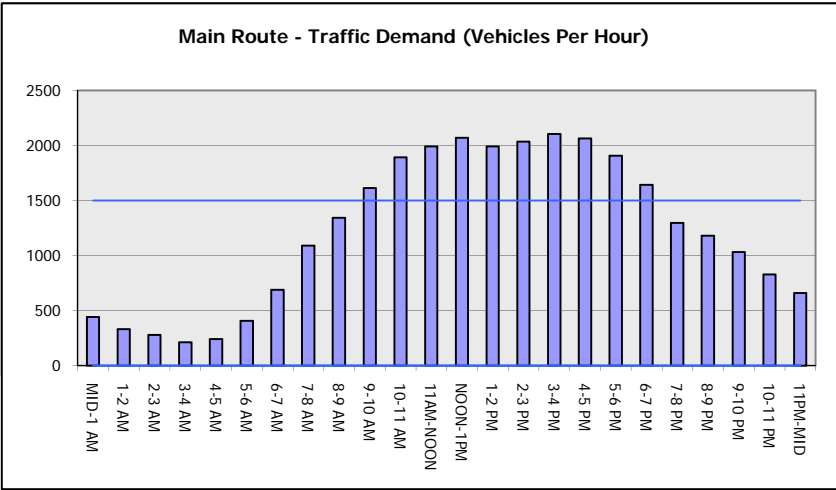
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0224
MAIN ROUTE WITH WORKS	0.0217
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,858
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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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	365	0.0	1500	365	0	0.46	0	65.7	59.5	44.0
1-2 AM	229	0.0	1500	229	0	0.44	0	66.0	59.9	44.6
2-3 AM	211	0.0	1500	211	0	0.44	0	66.0	59.9	44.6
3-4 AM	161	0.0	1500	161	0	0.44	0	66.1	60.1	44.8
4-5 AM	197	0.0	1500	197	0	0.44	0	66.0	59.9	44.7
5-6 AM	361	0.0	1500	361	0	0.46	0	65.7	59.5	44.0
6-7 AM	647	0.0	1500	647	0	0.49	0	65.2	58.7	43.0
7-8 AM	1153	0.0	1499	1153	0	0.63	0	64.2	56.3	38.8
8-9 AM	1695	0.0	OFF	1695	0	0.00	0	63.2	63.2	63.2
9-10 AM	1886	0.0	OFF	1886	0	0.00	0	62.8	62.8	62.8
10-11 AM	2078	0.0	OFF	2078	0	0.00	0	62.5	62.5	62.5
11AM-NOON	2219	0.0	OFF	2219	0	0.00	0	62.2	62.2	62.2
NOON-1PM	2244	0.0	OFF	2244	0	0.00	0	62.2	62.2	62.2
1-2 PM	2098	0.0	OFF	2098	0	0.00	0	62.5	62.5	62.5
2-3 PM	2063	0.0	OFF	2063	0	0.00	0	62.5	62.5	62.5
3-4 PM	2100	0.0	OFF	2100	0	0.00	0	62.5	62.5	62.5
4-5 PM	1996	0.0	OFF	1996	0	0.00	0	62.7	62.7	62.7
5-6 PM	1914	0.0	OFF	1914	0	0.00	0	62.8	62.8	62.8
6-7 PM	1666	0.0	1499	1666	0	4.55	102	63.3	31.6	30.8
7-8 PM	1298	0.0	1499	1298	0	3.42	83	64.0	36.3	33.2
8-9 PM	1153	0.0	1500	1153	0	0.58	0	64.2	56.9	40.1
9-10 PM	999	0.0	1500	999	0	0.52	0	64.5	57.8	41.7
10-11 PM	874	0.0	1500	874	0	0.51	0	64.8	58.1	42.1
11PM-MID	549	0.0	1500	549	0	0.48	0	65.4	59.0	43.3

"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	0.0230
MAIN ROUTE WITH WORKS	0.0224
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$4,275
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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