

USH 41: STH 29 TO CTH AAA (BROWN COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	367	0.0	1500	367	0	0.46	0	65.7	59.5	44.0
1-2 AM	188	0.0	1500	188	0	0.44	0	66.0	60.0	44.7
2-3 AM	164	0.0	1500	164	0	0.44	0	66.1	60.1	44.8
3-4 AM	207	0.0	1500	207	0	0.44	0	66.0	59.9	44.6
4-5 AM	506	0.0	1500	506	0	0.47	0	65.5	59.1	43.5
5-6 AM	1518	0.0	OFF	1518	0	0.00	0	63.5	63.5	63.5
6-7 AM	2929	0.0	OFF	2929	0	0.00	0	56.5	56.5	56.5
7-8 AM	3774	0.0	OFF	3774	0	0.00	0	47.8	47.8	47.8
8-9 AM	2328	0.0	OFF	2328	0	0.00	0	62.0	62.0	62.0
9-10 AM	1949	0.0	OFF	1949	0	0.00	0	62.8	62.8	62.8
10-11 AM	1943	0.0	OFF	1943	0	0.00	0	62.8	62.8	62.8
11AM-NOON	2094	0.0	OFF	2094	0	0.00	0	62.5	62.5	62.5
NOON-1PM	2267	0.0	OFF	2267	0	0.00	0	62.2	62.2	62.2
1-2 PM	2363	0.0	OFF	2363	0	0.00	0	62.0	62.0	62.0
2-3 PM	2568	0.0	OFF	2568	0	0.00	0	60.2	60.2	60.2
3-4 PM	3056	0.0	OFF	3056	0	0.00	0	55.2	55.2	55.2
4-5 PM	3676	0.0	OFF	3676	0	0.00	0	48.8	48.8	48.8
5-6 PM	3314	0.0	OFF	3314	0	0.00	0	52.5	52.5	52.5
6-7 PM	1894	0.0	OFF	1894	0	0.00	0	62.8	62.8	62.8
7-8 PM	1335	0.0	1500	1335	0	0.81	0	63.9	54.2	34.6
8-9 PM	1139	0.0	1500	1139	0	0.56	0	64.3	57.1	40.5
9-10 PM	1057	0.0	1500	1057	0	0.52	0	64.4	57.6	41.5
10-11 PM	653	0.0	1500	653	0	0.49	0	65.1	58.7	42.9
11PM-MID	420	0.0	1500	420	0	0.46	0	65.6	59.3	43.8

"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

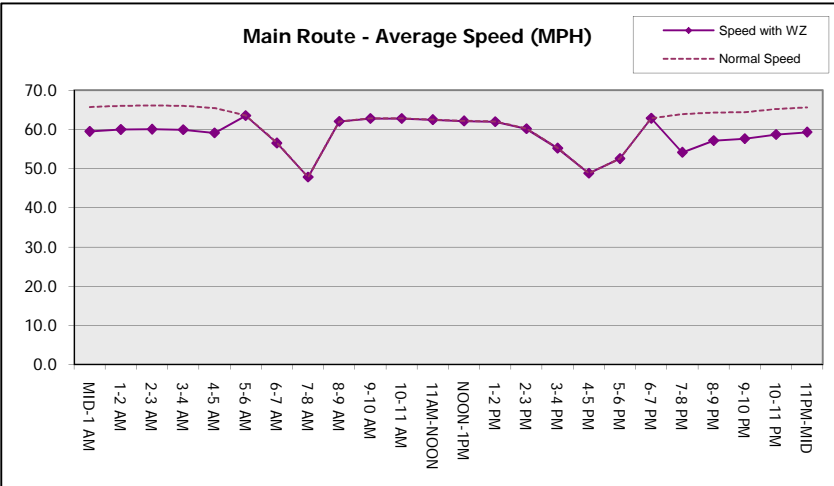
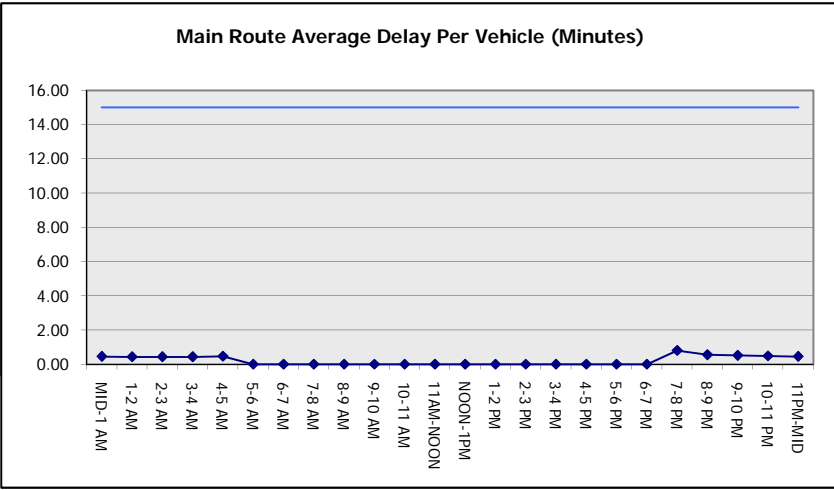
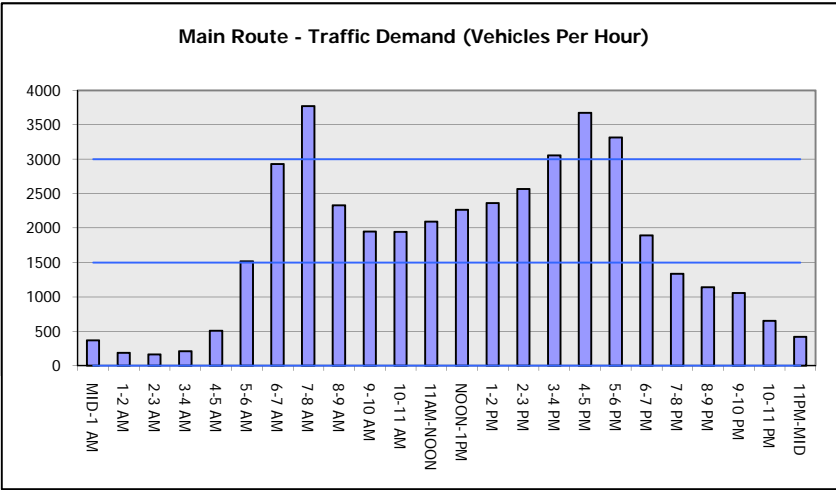
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0318
MAIN ROUTE WITH WORKS	0.0314
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$721
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



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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	221	0.0	1500	221	0	0.44	0	66.0	59.9	44.6
1-2 AM	137	0.0	1500	137	0	0.44	0	66.1	60.1	45.0
2-3 AM	157	0.0	1500	157	0	0.44	0	66.1	60.1	44.8
3-4 AM	171	0.0	1500	171	0	0.44	0	66.1	60.0	44.8
4-5 AM	350	0.0	1500	350	0	0.46	0	65.7	59.6	44.1
5-6 AM	957	0.0	OFF	957	0	0.00	0	64.6	64.6	64.6
6-7 AM	2357	0.0	OFF	2357	0	0.00	0	62.0	62.0	62.0
7-8 AM	3886	0.0	OFF	3886	0	0.00	0	46.7	46.7	46.7
8-9 AM	2720	0.0	OFF	2720	0	0.00	0	58.6	58.6	58.6
9-10 AM	2068	0.0	OFF	2068	0	0.00	0	62.5	62.5	62.5
10-11 AM	1976	0.0	OFF	1976	0	0.00	0	62.7	62.7	62.7
11AM-NOON	2139	0.0	OFF	2139	0	0.00	0	62.4	62.4	62.4
NOON-1PM	2180	0.0	OFF	2180	0	0.00	0	62.3	62.3	62.3
1-2 PM	2162	0.0	OFF	2162	0	0.00	0	62.3	62.3	62.3
2-3 PM	2553	0.0	OFF	2553	0	0.00	0	60.4	60.4	60.4
3-4 PM	3174	0.0	OFF	3174	0	0.00	0	54.0	54.0	54.0
4-5 PM	3950	0.0	OFF	3950	0	0.00	0	46.0	46.0	46.0
5-6 PM	3536	0.0	OFF	3536	0	0.00	0	50.3	50.3	50.3
6-7 PM	2097	0.0	OFF	2097	0	0.00	0	62.5	62.5	62.5
7-8 PM	1323	0.0	1500	1323	0	0.80	0	63.9	54.3	34.9
8-9 PM	998	0.0	1500	998	0	0.52	0	64.5	57.8	41.7
9-10 PM	855	0.0	1500	855	0	0.51	0	64.8	58.2	42.2
10-11 PM	612	0.0	1500	612	0	0.48	0	65.3	58.8	43.1
11PM-MID	384	0.0	1500	384	0	0.46	0	65.6	59.4	44.0

"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	0.0313
MAIN ROUTE WITH WORKS	0.0309
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$619
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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