

USH 41: CTH AAA TO CTH G (BROWN COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	258	0.0	1500	258	0	0.45	0	65.9	47.8	44.5
1-2 AM	209	0.0	1500	209	0	0.44	0	66.0	48.0	44.6
2-3 AM	203	0.0	1500	203	0	0.44	0	66.0	48.0	44.6
3-4 AM	201	0.0	1500	201	0	0.44	0	66.0	48.0	44.6
4-5 AM	421	0.0	1500	421	0	0.46	0	65.6	47.2	43.8
5-6 AM	1126	0.0	OFF	1126	0	0.00	0	64.3	64.3	64.3
6-7 AM	2404	0.0	OFF	2404	0	0.00	0	61.9	61.9	61.9
7-8 AM	3067	0.0	OFF	3067	0	0.00	0	55.1	55.1	55.1
8-9 AM	2051	0.0	OFF	2051	0	0.00	0	62.5	62.5	62.5
9-10 AM	1767	0.0	OFF	1767	0	0.00	0	63.1	63.1	63.1
10-11 AM	1790	0.0	OFF	1790	0	0.00	0	63.0	63.0	63.0
11AM-NOON	2104	0.0	OFF	2104	0	0.00	0	62.5	62.5	62.5
NOON-1PM	2283	0.0	OFF	2283	0	0.00	0	62.2	62.2	62.2
1-2 PM	2383	0.0	OFF	2383	0	0.00	0	61.9	61.9	61.9
2-3 PM	2460	0.0	OFF	2460	0	0.00	0	61.3	61.3	61.3
3-4 PM	2815	0.0	OFF	2815	0	0.00	0	57.7	57.7	57.7
4-5 PM	3281	0.0	OFF	3281	0	0.00	0	52.9	52.9	52.9
5-6 PM	2813	0.0	OFF	2813	0	0.00	0	57.7	57.7	57.7
6-7 PM	1826	0.0	OFF	1826	0	0.00	0	63.0	63.0	63.0
7-8 PM	1257	0.0	1500	1257	0	0.71	0	64.0	40.4	36.7
8-9 PM	1083	0.0	1500	1083	0	0.53	0	64.4	44.8	41.4
9-10 PM	1013	0.0	1500	1013	0	0.52	0	64.5	45.1	41.6
10-11 PM	935	0.0	1500	935	0	0.51	0	64.6	45.3	41.9
11PM-MID	603	0.0	1500	603	0	0.48	0	65.3	46.5	43.1

"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

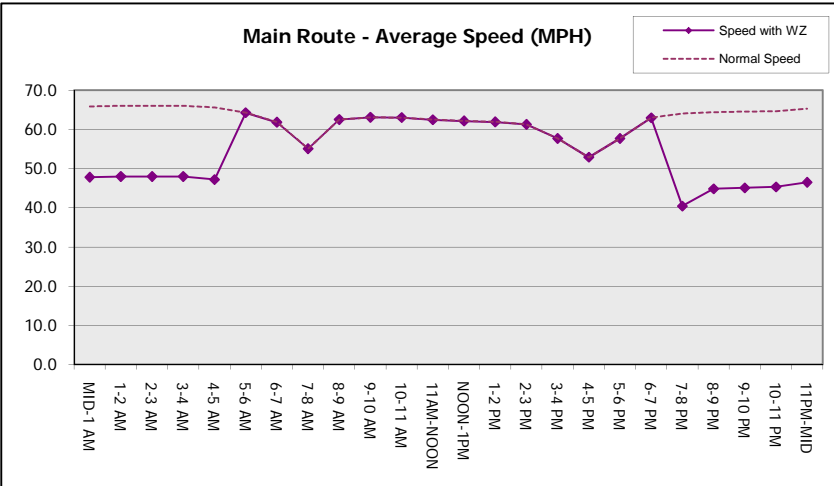
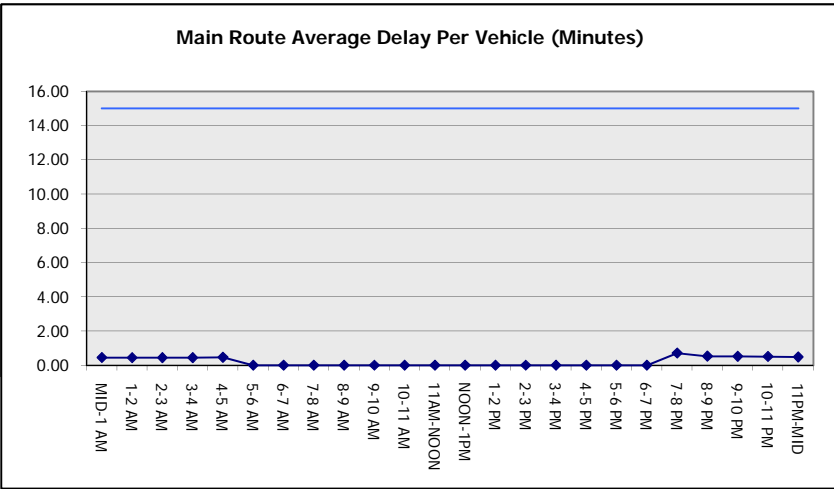
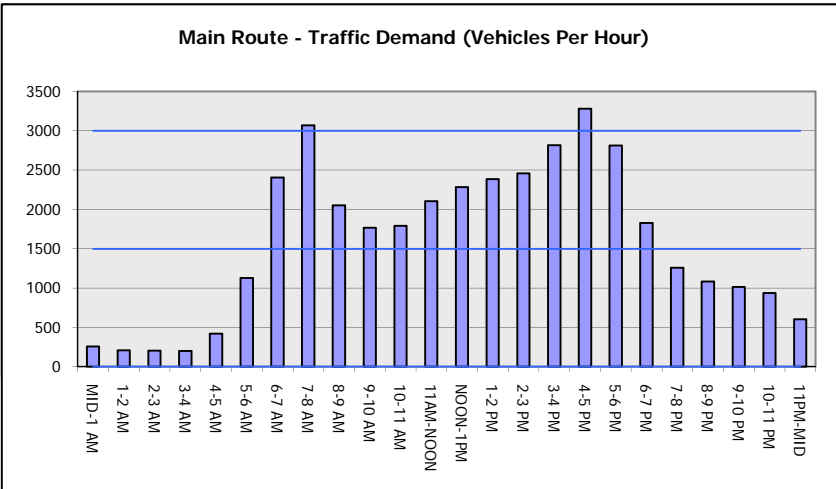
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0079
MAIN ROUTE WITH WORKS	0.0075
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$835
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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	215	0.0	1500	215	0	0.44	0	66.0	47.9	44.6
1-2 AM	145	0.0	1500	145	0	0.44	0	66.1	48.3	44.9
2-3 AM	175	0.0	1500	175	0	0.44	0	66.1	48.1	44.8
3-4 AM	170	0.0	1500	170	0	0.44	0	66.1	48.1	44.8
4-5 AM	285	0.0	1500	285	0	0.45	0	65.8	47.7	44.3
5-6 AM	780	0.0	OFF	780	0	0.00	0	65.0	65.0	65.0
6-7 AM	1894	0.0	OFF	1894	0	0.00	0	62.8	62.8	62.8
7-8 AM	3254	0.0	OFF	3254	0	0.00	0	53.2	53.2	53.2
8-9 AM	2378	0.0	OFF	2378	0	0.00	0	62.0	62.0	62.0
9-10 AM	2009	0.0	OFF	2009	0	0.00	0	62.7	62.7	62.7
10-11 AM	1959	0.0	OFF	1959	0	0.00	0	62.7	62.7	62.7
11AM-NOON	2248	0.0	OFF	2248	0	0.00	0	62.2	62.2	62.2
NOON-1PM	2494	0.0	OFF	2494	0	0.00	0	60.9	60.9	60.9
1-2 PM	2416	0.0	OFF	2416	0	0.00	0	61.7	61.7	61.7
2-3 PM	2683	0.0	OFF	2683	0	0.00	0	59.0	59.0	59.0
3-4 PM	3261	0.0	OFF	3261	0	0.00	0	53.1	53.1	53.1
4-5 PM	3684	0.0	OFF	3684	0	0.00	0	48.7	48.7	48.7
5-6 PM	3253	0.0	OFF	3253	0	0.00	0	53.2	53.2	53.2
6-7 PM	2348	0.0	OFF	2348	0	0.00	0	62.0	62.0	62.0
7-8 PM	1818	0.0	1499	1818	0	7.43	190	63.0	11.6	30.8
8-9 PM	1350	0.0	1499	1350	0	10.71	264	63.8	9.4	30.8
9-10 PM	1149	0.0	1499	1149	0	1.48	48	64.3	29.8	37.8
10-11 PM	896	0.0	1500	896	0	0.51	0	64.7	45.5	42.0
11PM-MID	556	0.0	1500	556	0	0.48	0	65.3	46.7	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	0.0086
MAIN ROUTE WITH WORKS	0.0081
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$7,714
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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