

**USH 41: CTH AAA TO CTH G (BROWN COUNTY)
OFF-PEAK DAY 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	322	0.0	OFF	322	0	0.00	0	65.8	65.8	65.8	
1-2 AM	230	0.0	OFF	230	0	0.00	0	66.0	66.0	66.0	
2-3 AM	202	0.0	OFF	202	0	0.00	0	66.0	66.0	66.0	
3-4 AM	210	0.0	OFF	210	0	0.00	0	66.0	66.0	66.0	
4-5 AM	455	0.0	OFF	455	0	0.00	0	65.5	65.5	65.5	
5-6 AM	1180	0.0	OFF	1180	0	0.00	0	64.2	64.2	64.2	
6-7 AM	2280	0.0	OFF	2280	0	0.00	0	62.2	62.2	62.2	
7-8 AM	2908	0.0	OFF	2908	0	0.00	0	56.7	56.7	56.7	
8-9 AM	2020	0.0	OFF	2020	0	0.00	0	62.6	62.6	62.6	
9-10 AM	1935	0.0	OFF	1935	0	0.00	0	62.8	62.8	62.8	
10-11 AM	2099	0.0	1499	1988	111	9.82+	270	62.5	10.2	30.8	
11AM-NOON	2308	0.0	1500	1489	820	17.42+	443	62.1	7.6	30.8	
NOON-1PM	2508	0.0	1499	1484	1024	17.45+	446	60.8	7.6	30.8	
1-2 PM	2596	0.0	1499	1489	1108	17.43+	446	59.9	7.6	30.8	
2-3 PM	2727	0.0	1499	1501	1226	17.50+	450	58.6	7.6	30.8	
3-4 PM	2908	0.0	OFF	2908	0	1.52	93	56.7	26.9	26.9	
4-5 PM	3233	0.0	OFF	3233	0	0.00	0	53.4	53.4	53.4	
5-6 PM	2830	0.0	OFF	2830	0	0.00	0	57.5	57.5	57.5	
6-7 PM	1879	0.0	OFF	1879	0	0.00	0	62.9	62.9	62.9	
7-8 PM	1352	0.0	OFF	1352	0	0.00	0	63.8	63.8	63.8	
8-9 PM	1144	0.0	OFF	1144	0	0.00	0	64.3	64.3	64.3	
9-10 PM	1010	0.0	OFF	1010	0	0.00	0	64.5	64.5	64.5	
10-11 PM	864	0.0	OFF	864	0	0.00	0	64.8	64.8	64.8	
11PM-MID	630	0.0	OFF	630	0	0.00	0	65.2	65.2	65.2	

"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

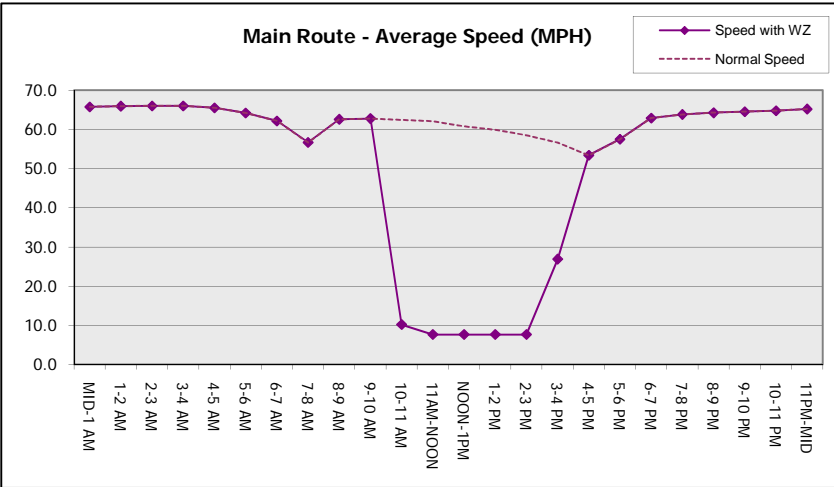
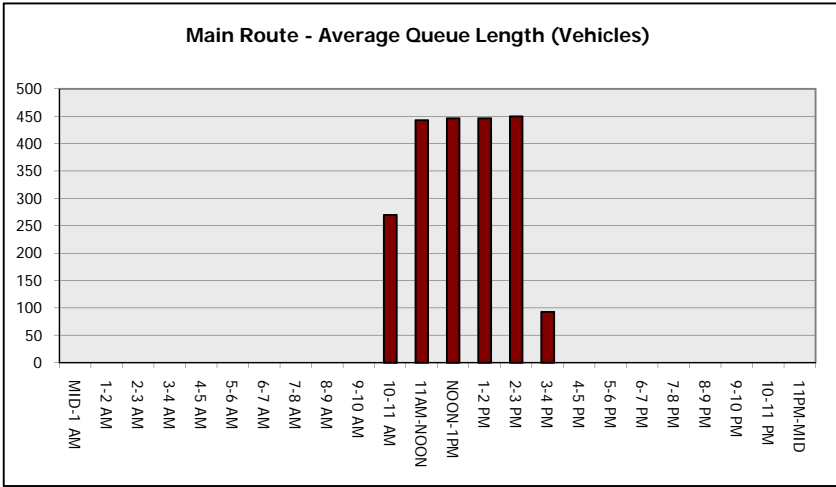
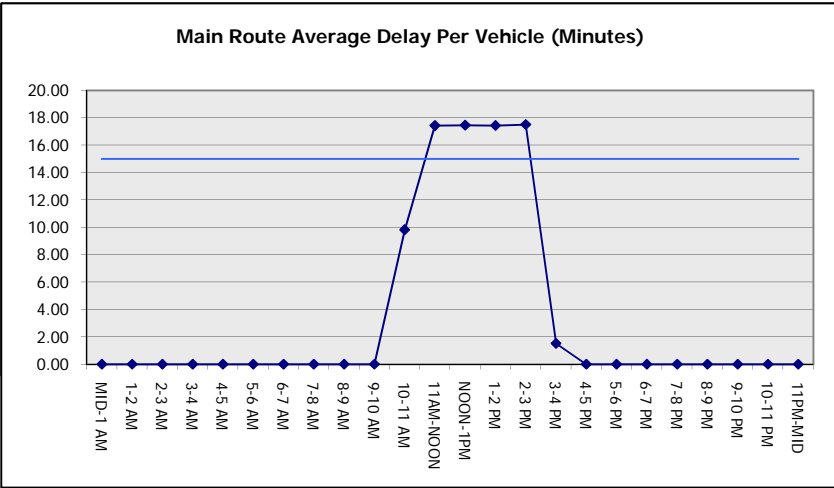
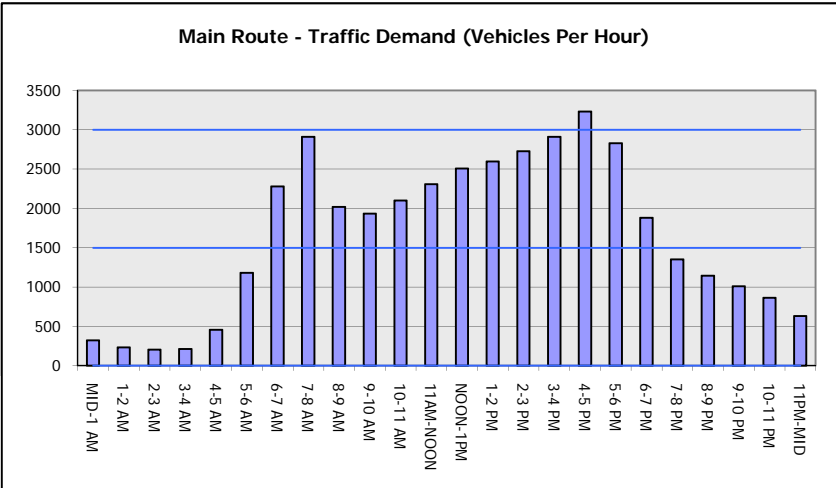
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0082
MAIN ROUTE WITH WORKS	0.0068
'DIVERSION'	0.0021
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,992
CONGESTED HOURS PER DAY*	5

*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	317	0.0	OFF	317	0	0.00	0	65.8	65.8	65.8
1-2 AM	197	0.0	OFF	197	0	0.00	0	66.0	66.0	66.0
2-3 AM	196	0.0	OFF	196	0	0.00	0	66.0	66.0	66.0
3-4 AM	193	0.0	OFF	193	0	0.00	0	66.0	66.0	66.0
4-5 AM	303	0.0	OFF	303	0	0.00	0	65.8	65.8	65.8
5-6 AM	786	0.0	OFF	786	0	0.00	0	64.9	64.9	64.9
6-7 AM	1864	0.0	OFF	1864	0	0.00	0	62.9	62.9	62.9
7-8 AM	2976	0.0	OFF	2976	0	0.00	0	56.0	56.0	56.0
8-9 AM	2280	0.0	OFF	2280	0	0.00	0	62.2	62.2	62.2
9-10 AM	2161	0.0	OFF	2161	0	0.00	0	62.3	62.3	62.3
10-11 AM	2302	0.0	1499	1900	403	11.89+	318	62.1	9.2	30.8
11AM-NOON	2512	0.0	1500	1531	981	17.49+	447	60.7	7.6	30.8
NOON-1PM	2670	0.0	1500	1517	1154	17.44+	447	59.1	7.6	30.8
1-2 PM	2703	0.0	1500	1503	1200	17.47+	448	58.8	7.6	30.8
2-3 PM	3020	0.0	1499	1516	1503	17.85+	463	55.6	7.5	30.8
3-4 PM	3346	0.0	OFF	3346	0	2.65	166	52.2	18.8	18.8
4-5 PM	3758	0.0	OFF	3758	0	0.00	0	48.0	48.0	48.0
5-6 PM	3383	0.0	OFF	3383	0	0.00	0	51.9	51.9	51.9
6-7 PM	2439	0.0	OFF	2439	0	0.00	0	61.5	61.5	61.5
7-8 PM	1751	0.0	OFF	1751	0	0.00	0	63.1	63.1	63.1
8-9 PM	1416	0.0	OFF	1416	0	0.00	0	63.8	63.8	63.8
9-10 PM	1193	0.0	OFF	1193	0	0.00	0	64.1	64.1	64.1
10-11 PM	902	0.0	OFF	902	0	0.00	0	64.7	64.7	64.7
11PM-MID	616	0.0	OFF	616	0	0.00	0	65.3	65.3	65.3

"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	0.0089
MAIN ROUTE WITH WORKS	0.0073
'DIVERSION'	0.0025

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$49,632
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY NORTHBOUND DIRECTION

