

USH 41: CTH AAA TO CTH G (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	210	0.0	OFF	210	0	0.00	0	66.0	66.0	66.0
1-2 AM	171	0.0	OFF	171	0	0.00	0	66.1	66.1	66.1
2-3 AM	155	0.0	OFF	155	0	0.00	0	66.1	66.1	66.1
3-4 AM	184	0.0	OFF	184	0	0.00	0	66.0	66.0	66.0
4-5 AM	422	0.0	OFF	422	0	0.00	0	65.6	65.6	65.6
5-6 AM	1245	0.0	OFF	1245	0	0.00	0	64.1	64.1	64.1
6-7 AM	2545	0.0	OFF	2545	0	0.00	0	60.4	60.4	60.4
7-8 AM	3148	0.0	OFF	3148	0	0.00	0	54.3	54.3	54.3
8-9 AM	1951	0.0	OFF	1951	0	0.00	0	62.7	62.7	62.7
9-10 AM	1675	0.0	OFF	1675	0	0.00	0	63.3	63.3	63.3
10-11 AM	1692	0.0	1499	1692	0	3.90	90	63.2	16.5	30.8
11AM-NOON	1857	0.0	1500	1748	109	13.54+	346	62.9	8.6	30.8
NOON-1PM	2005	0.0	1499	1501	504	17.40+	442	62.7	7.6	30.8
1-2 PM	2075	0.0	1500	1500	574	17.40+	442	62.5	7.6	30.8
2-3 PM	2193	0.0	1500	1500	692	17.41+	443	62.3	7.6	30.8
3-4 PM	2623	0.0	OFF	2623	0	1.17	70	59.6	31.4	31.4
4-5 PM	3274	0.0	OFF	3274	0	0.00	0	53.0	53.0	53.0
5-6 PM	2898	0.0	OFF	2898	0	0.00	0	56.8	56.8	56.8
6-7 PM	1697	0.0	OFF	1697	0	0.00	0	63.2	63.2	63.2
7-8 PM	1197	0.0	OFF	1197	0	0.00	0	64.1	64.1	64.1
8-9 PM	1090	0.0	OFF	1090	0	0.00	0	64.3	64.3	64.3
9-10 PM	882	0.0	OFF	882	0	0.00	0	64.8	64.8	64.8
10-11 PM	592	0.0	OFF	592	0	0.00	0	65.3	65.3	65.3
11PM-MID	374	0.0	OFF	374	0	0.00	0	65.7	65.7	65.7

"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

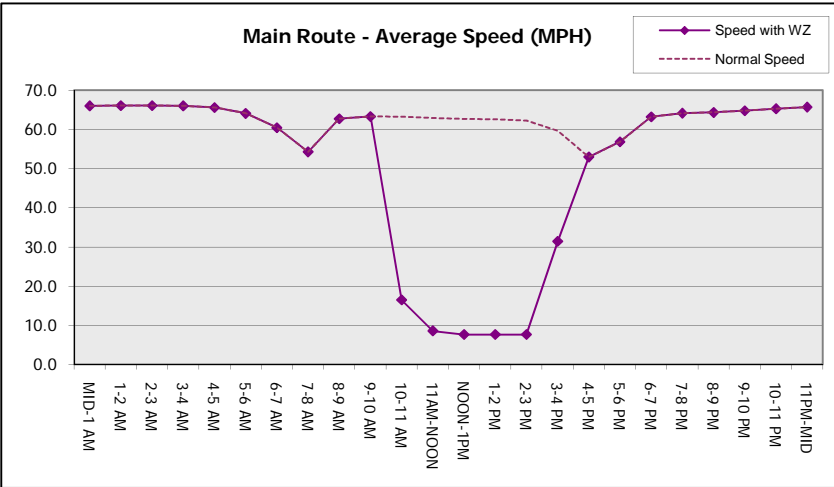
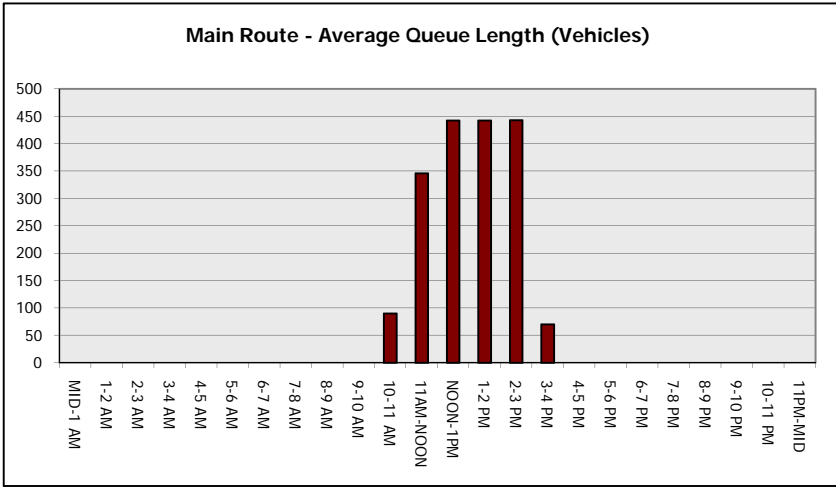
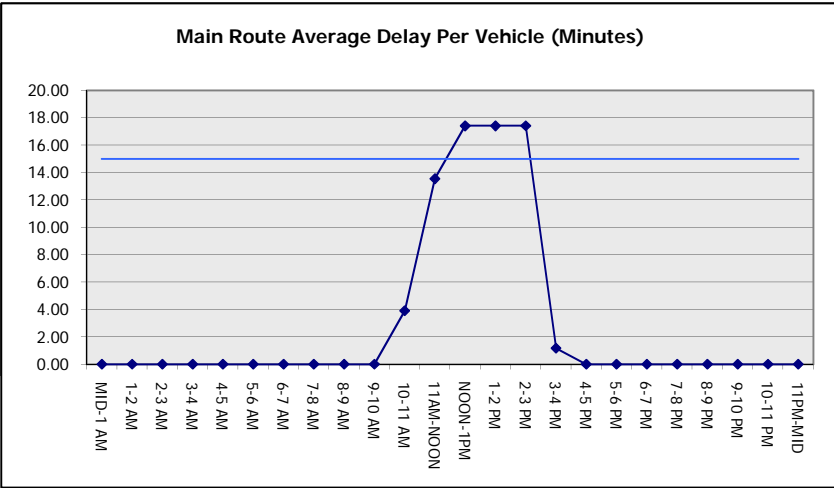
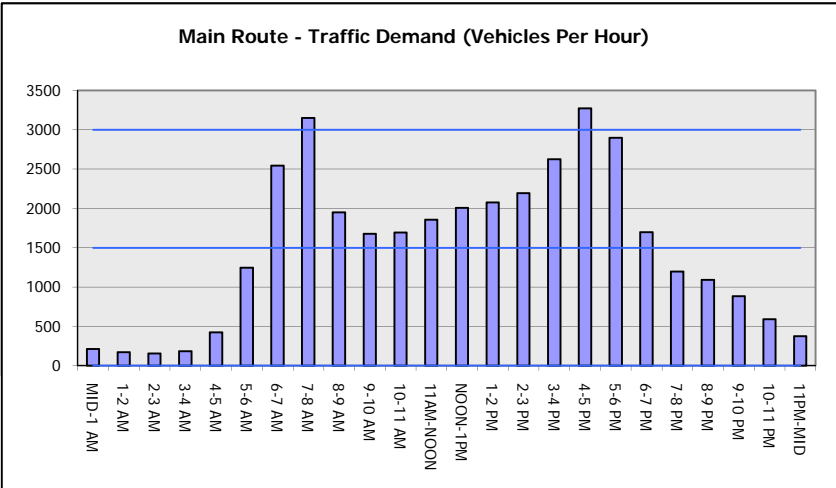
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0075
MAIN ROUTE WITH WORKS	0.0066
'DIVERSION'	0.0009
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,768
CONGESTED HOURS PER DAY*	4

*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	179	0.0	OFF	179	0	0.00	0	66.1	66.1	66.1
1-2 AM	129	0.0	OFF	129	0	0.00	0	66.1	66.1	66.1
2-3 AM	137	0.0	OFF	137	0	0.00	0	66.1	66.1	66.1
3-4 AM	144	0.0	OFF	144	0	0.00	0	66.1	66.1	66.1
4-5 AM	278	0.0	OFF	278	0	0.00	0	65.9	65.9	65.9
5-6 AM	790	0.0	OFF	790	0	0.00	0	64.9	64.9	64.9
6-7 AM	1970	0.0	OFF	1970	0	0.00	0	62.7	62.7	62.7
7-8 AM	3248	0.0	OFF	3248	0	0.00	0	53.2	53.2	53.2
8-9 AM	2209	0.0	OFF	2209	0	0.00	0	62.3	62.3	62.3
9-10 AM	1777	0.0	OFF	1777	0	0.00	0	63.1	63.1	63.1
10-11 AM	1707	0.0	1499	1707	0	4.25	100	63.2	15.6	30.8
11AM-NOON	1864	0.0	1500	1706	158	14.17+	362	62.9	8.4	30.8
NOON-1PM	1903	0.0	1500	1507	396	17.39+	442	62.8	7.6	30.8
1-2 PM	1936	0.0	1500	1505	430	17.39+	442	62.8	7.6	30.8
2-3 PM	2209	0.0	1500	1504	704	17.41+	443	62.3	7.6	30.8
3-4 PM	2723	0.0	OFF	2723	0	1.19	72	58.6	30.9	30.9
4-5 PM	3404	0.0	OFF	3404	0	0.00	0	51.6	51.6	51.6
5-6 PM	3060	0.0	OFF	3060	0	0.00	0	55.1	55.1	55.1
6-7 PM	1784	0.0	OFF	1784	0	0.00	0	63.0	63.0	63.0
7-8 PM	1195	0.0	OFF	1195	0	0.00	0	64.1	64.1	64.1
8-9 PM	1004	0.0	OFF	1004	0	0.00	0	64.5	64.5	64.5
9-10 PM	814	0.0	OFF	814	0	0.00	0	64.9	64.9	64.9
10-11 PM	643	0.0	OFF	643	0	0.00	0	65.2	65.2	65.2
11PM-MID	355	0.0	OFF	355	0	0.00	0	65.7	65.7	65.7

"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	0.0073
MAIN ROUTE WITH WORKS	0.0065
'DIVERSION'	0.0008

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,371
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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