

USH 41: CTH AAA TO CTH G (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	395	0.0	1500	395	0	0.46	0	65.6	47.3	43.9	
1-2 AM	270	0.0	1500	270	0	0.45	0	65.9	47.8	44.4	
2-3 AM	257	0.0	1500	257	0	0.45	0	65.9	47.8	44.5	
3-4 AM	176	0.0	1500	176	0	0.44	0	66.1	48.1	44.8	
4-5 AM	144	0.0	1500	144	0	0.44	0	66.1	48.3	44.9	
5-6 AM	191	0.0	1500	191	0	0.44	0	66.0	48.1	44.7	
6-7 AM	346	0.0	1500	346	0	0.46	0	65.8	47.4	44.1	
7-8 AM	492	0.0	1500	492	0	0.47	0	65.5	46.9	43.5	
8-9 AM	762	0.0	1500	762	0	0.50	0	65.0	46.0	42.5	
9-10 AM	1264	0.0	1499	1264	0	0.71	0	64.0	40.5	36.8	
10-11 AM	1693	0.0	1499	1693	0	3.32	77	63.2	18.3	30.8	
11AM-NOON	1884	0.0	1500	1722	162	13.88+	355	62.8	8.4	30.8	
NOON-1PM	1982	0.0	1499	1506	475	17.39+	442	62.7	7.6	30.8	
1-2 PM	1944	0.0	1500	1505	439	17.39+	442	62.8	7.6	30.8	
2-3 PM	1925	0.0	1500	1504	421	17.39+	442	62.8	7.6	30.8	
3-4 PM	1994	0.0	1500	1503	491	17.39+	442	62.7	7.6	30.8	
4-5 PM	2032	0.0	1500	1502	530	17.40+	442	62.6	7.6	30.8	
5-6 PM	1785	0.0	1500	1501	283	17.38+	441	63.0	7.7	30.8	
6-7 PM	1549	0.0	1500	1492	58	17.22+	437	63.5	7.7	30.8	
7-8 PM	1250	0.0	1499	1250	0	12.68+	322	64.0	8.8	31.1	
8-9 PM	966	0.0	1500	966	0	1.08	34	64.6	34.7	41.0	
9-10 PM	731	0.0	1500	731	0	0.49	0	65.0	46.1	42.7	
10-11 PM	525	0.0	1500	525	0	0.47	0	65.4	46.8	43.4	
11PM-MID	355	0.0	1500	355	0	0.46	0	65.7	47.4	44.1	

+ 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

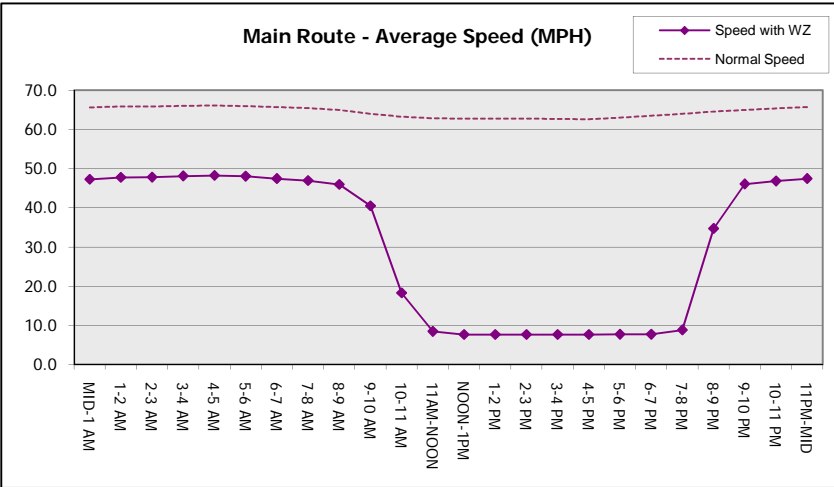
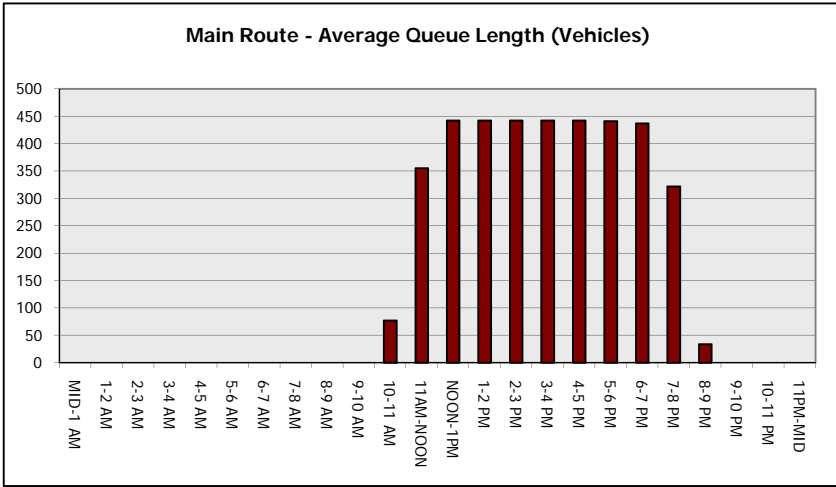
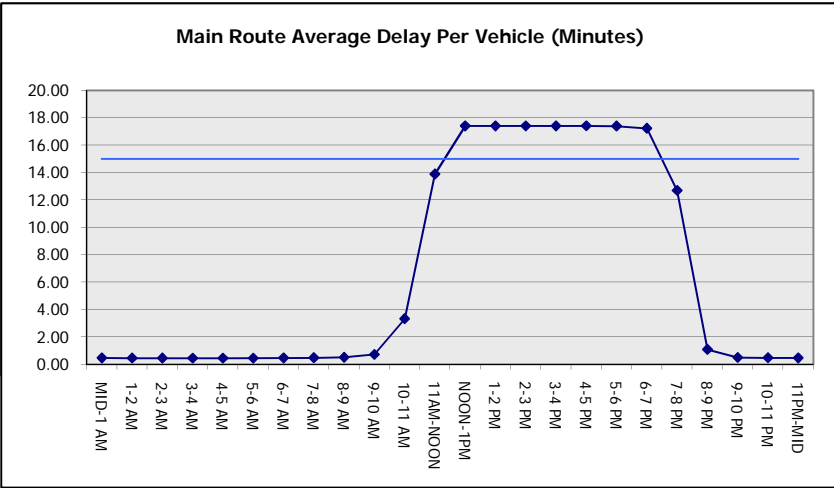
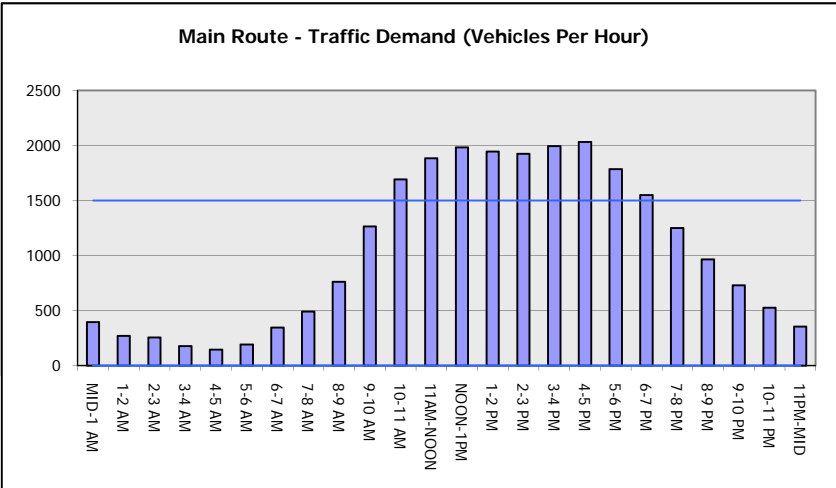
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0051
MAIN ROUTE WITH WORKS	0.0031
'DIVERSION'	0.0014
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$79,376
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: CTH AAA TO CTH G (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	342	0.0	1500	342	0	0.46	0	65.8	47.5	44.1
1-2 AM	211	0.0	1500	211	0	0.44	0	66.0	48.0	44.6
2-3 AM	220	0.0	1500	220	0	0.44	0	66.0	47.9	44.6
3-4 AM	139	0.0	1500	139	0	0.44	0	66.1	48.3	45.0
4-5 AM	125	0.0	1500	125	0	0.43	0	66.1	48.3	45.0
5-6 AM	294	0.0	1500	294	0	0.45	0	65.8	47.7	44.3
6-7 AM	452	0.0	1500	452	0	0.47	0	65.5	47.1	43.7
7-8 AM	583	0.0	1500	583	0	0.48	0	65.3	46.6	43.2
8-9 AM	824	0.0	1500	824	0	0.50	0	64.8	45.7	42.3
9-10 AM	1136	0.0	1500	1136	0	0.55	0	64.3	44.1	40.6
10-11 AM	1419	0.0	1499	1419	0	0.92	0	63.7	36.4	32.6
11AM-NOON	1604	0.0	1499	1604	0	2.34	42	63.4	22.2	30.8
NOON-1PM	1743	0.0	1500	1743	0	9.03	225	63.2	10.3	30.8
1-2 PM	1608	0.0	1499	1599	9	15.97+	404	63.4	7.9	30.8
2-3 PM	1621	0.0	1499	1499	123	17.36+	440	63.3	7.7	30.8
3-4 PM	1555	0.0	1499	1499	57	17.36+	440	63.5	7.7	30.8
4-5 PM	1682	0.0	1499	1499	183	17.37+	441	63.3	7.7	30.8
5-6 PM	1439	0.0	1499	1436	2	16.70+	423	63.7	7.8	30.8
6-7 PM	1289	0.0	1499	1289	0	11.36	284	64.0	9.3	30.8
7-8 PM	1113	0.0	1500	1113	0	1.36	41	64.3	31.1	38.5
8-9 PM	905	0.0	1500	905	0	0.51	0	64.7	45.5	42.0
9-10 PM	690	0.0	1500	690	0	0.49	0	65.1	46.2	42.8
10-11 PM	479	0.0	1500	479	0	0.47	0	65.5	46.9	43.6
11PM-MID	273	0.0	1500	273	0	0.45	0	65.9	47.8	44.4

+ 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	0.0045
MAIN ROUTE WITH WORKS	0.0030
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$49,193
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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