

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

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	605	0.0	OFF	605	0	0.00	0	65.3	65.3	65.3
1-2 AM	318	0.0	OFF	318	0	0.00	0	65.8	65.8	65.8
2-3 AM	267	0.0	OFF	267	0	0.00	0	65.9	65.9	65.9
3-4 AM	187	0.0	OFF	187	0	0.00	0	66.0	66.0	66.0
4-5 AM	161	0.0	OFF	161	0	0.00	0	66.1	66.1	66.1
5-6 AM	205	0.0	OFF	205	0	0.00	0	66.0	66.0	66.0
6-7 AM	337	0.0	OFF	337	0	0.00	0	65.8	65.8	65.8
7-8 AM	473	0.0	OFF	473	0	0.00	0	65.5	65.5	65.5
8-9 AM	800	0.0	OFF	800	0	0.00	0	64.9	64.9	64.9
9-10 AM	1242	0.0	1499	1242	0	0.68	0	64.1	41.1	37.4
10-11 AM	1837	0.0	1499	1837	0	5.25	141	63.0	14.2	30.8
11AM-NOON	2103	0.0	1499	1591	513	17.03+	433	62.5	7.7	30.8
NOON-1PM	2292	0.0	1500	1504	788	17.42+	443	62.1	7.6	30.8
1-2 PM	2338	0.0	1500	1503	835	17.42+	443	62.0	7.6	30.8
2-3 PM	2320	0.0	1500	1502	818	17.42+	443	62.0	7.6	30.8
3-4 PM	2317	0.0	1500	1502	816	17.42+	443	62.0	7.6	30.8
4-5 PM	2231	0.0	1500	1501	730	17.41+	443	62.2	7.6	30.8
5-6 PM	1930	0.0	1500	1501	429	17.39+	442	62.8	7.6	30.8
6-7 PM	1718	0.0	1500	1500	218	17.37+	441	63.2	7.7	30.8
7-8 PM	1333	0.0	OFF	1333	0	0.56	36	63.9	43.7	43.7
8-9 PM	1134	0.0	OFF	1134	0	0.00	0	64.3	64.3	64.3
9-10 PM	797	0.0	OFF	797	0	0.00	0	64.9	64.9	64.9
10-11 PM	576	0.0	OFF	576	0	0.00	0	65.3	65.3	65.3
11PM-MID	363	0.0	OFF	363	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

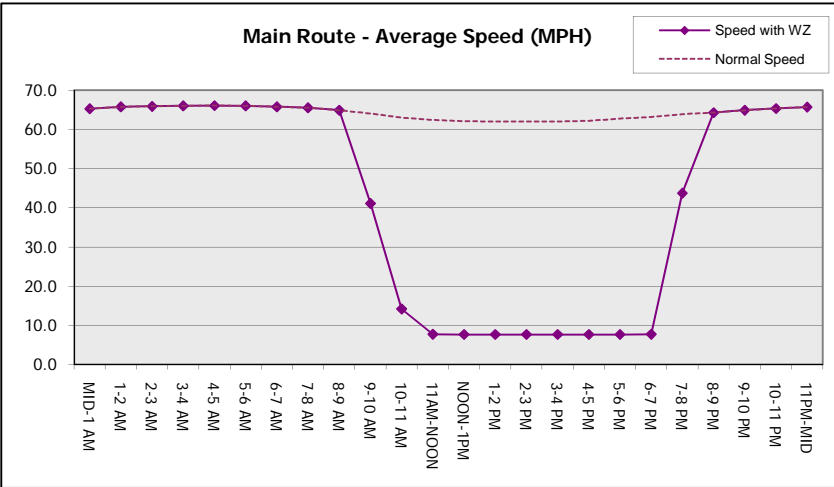
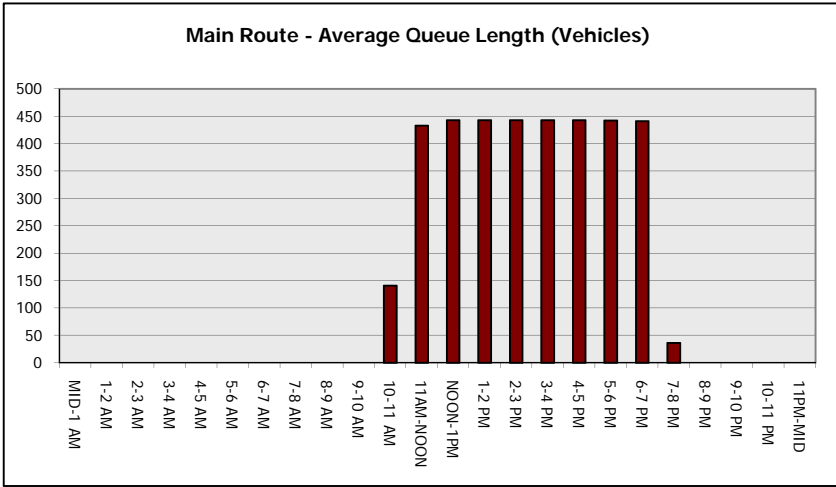
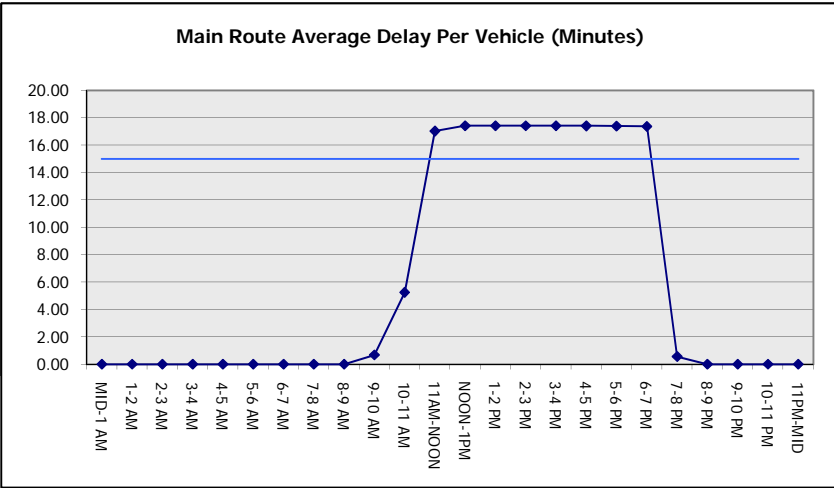
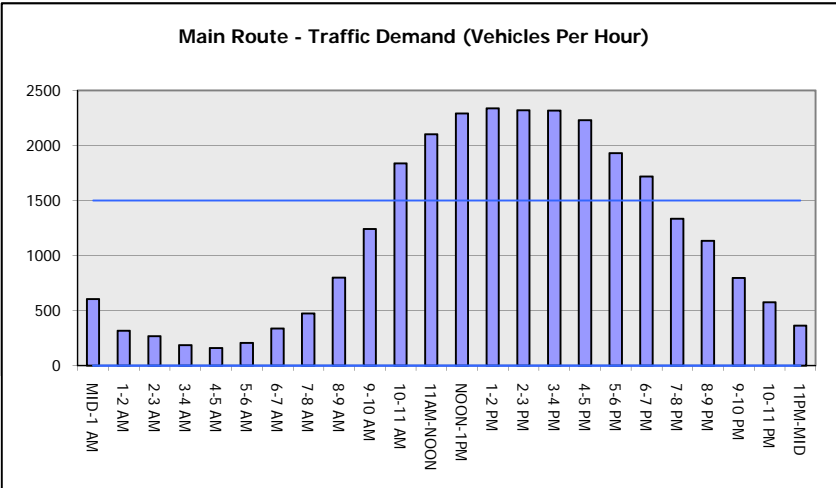
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0058
MAIN ROUTE WITH WORKS	0.0037
'DIVERSION'	0.0025
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$86,072
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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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	374	0.0	OFF	374	0	0.00	0	65.7	65.7	65.7
1-2 AM	207	0.0	OFF	207	0	0.00	0	66.0	66.0	66.0
2-3 AM	203	0.0	OFF	203	0	0.00	0	66.0	66.0	66.0
3-4 AM	157	0.0	OFF	157	0	0.00	0	66.1	66.1	66.1
4-5 AM	111	0.0	OFF	111	0	0.00	0	66.2	66.2	66.2
5-6 AM	211	0.0	OFF	211	0	0.00	0	66.0	66.0	66.0
6-7 AM	313	0.0	OFF	313	0	0.00	0	65.8	65.8	65.8
7-8 AM	458	0.0	OFF	458	0	0.00	0	65.5	65.5	65.5
8-9 AM	674	0.0	OFF	674	0	0.00	0	65.1	65.1	65.1
9-10 AM	1040	0.0	1499	1040	0	0.53	0	64.5	44.8	41.3
10-11 AM	1423	0.0	1499	1423	0	0.93	0	63.7	36.1	32.6
11AM-NOON	1689	0.0	1500	1689	0	3.66	84	63.2	17.1	30.8
NOON-1PM	1796	0.0	1500	1789	7	13.10+	334	63.0	8.7	30.8
1-2 PM	1792	0.0	1500	1477	315	17.33+	440	63.0	7.7	30.8
2-3 PM	1750	0.0	1499	1496	254	17.37+	441	63.1	7.7	30.8
3-4 PM	1768	0.0	1499	1497	271	17.38+	441	63.1	7.7	30.8
4-5 PM	1729	0.0	1499	1498	231	17.37+	441	63.2	7.7	30.8
5-6 PM	1637	0.0	1499	1498	138	17.36+	441	63.3	7.7	30.8
6-7 PM	1398	0.0	1499	1397	1	16.24+	411	63.8	7.9	30.8
7-8 PM	1118	0.0	OFF	1118	0	0.32	20	64.3	50.9	50.9
8-9 PM	919	0.0	OFF	919	0	0.00	0	64.6	64.6	64.6
9-10 PM	655	0.0	OFF	655	0	0.00	0	65.1	65.1	65.1
10-11 PM	484	0.0	OFF	484	0	0.00	0	65.5	65.5	65.5
11PM-MID	286	0.0	OFF	286	0	0.00	0	65.8	65.8	65.8

"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	0.0046
MAIN ROUTE WITH WORKS	0.0034
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$56,862
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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