

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

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	OFF	1264	0	0.00	0	64.0	64.0	64.0
10-11 AM	1693	0.0	OFF	1693	0	0.00	0	63.2	63.2	63.2
11AM-NOON	1884	0.0	OFF	1884	0	0.00	0	62.8	62.8	62.8
NOON-1PM	1982	0.0	OFF	1982	0	0.00	0	62.7	62.7	62.7
1-2 PM	1944	0.0	OFF	1944	0	0.00	0	62.8	62.8	62.8
2-3 PM	1925	0.0	OFF	1925	0	0.00	0	62.8	62.8	62.8
3-4 PM	1994	0.0	OFF	1994	0	0.00	0	62.7	62.7	62.7
4-5 PM	2032	0.0	OFF	2032	0	0.00	0	62.6	62.6	62.6
5-6 PM	1785	0.0	OFF	1785	0	0.00	0	63.0	63.0	63.0
6-7 PM	1549	0.0	OFF	1549	0	0.00	0	63.5	63.5	63.5
7-8 PM	1250	0.0	1500	1250	0	0.70	0	64.0	40.6	36.9
8-9 PM	966	0.0	1500	966	0	0.52	0	64.6	45.2	41.8
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

"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

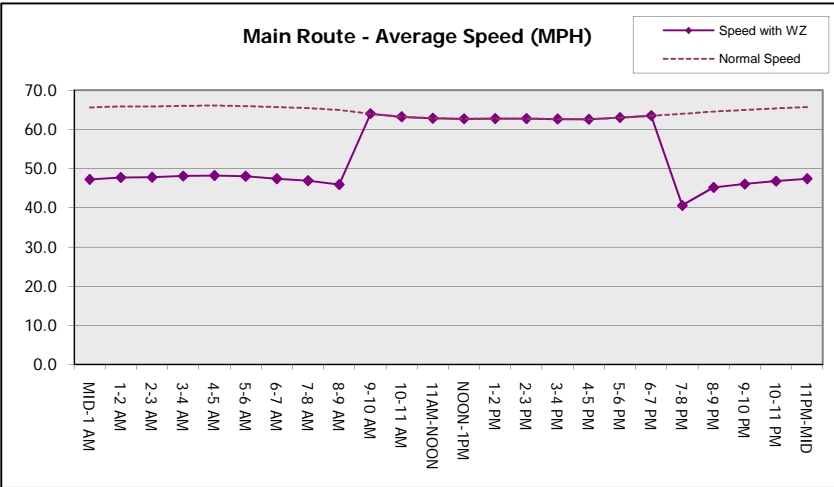
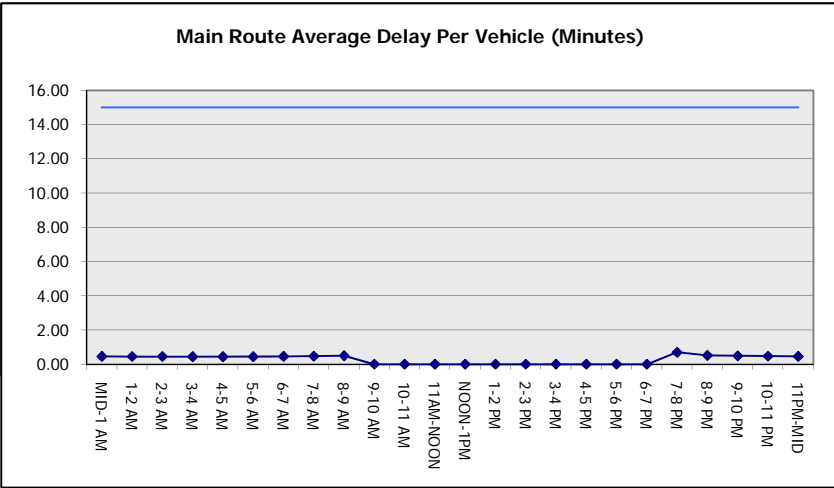
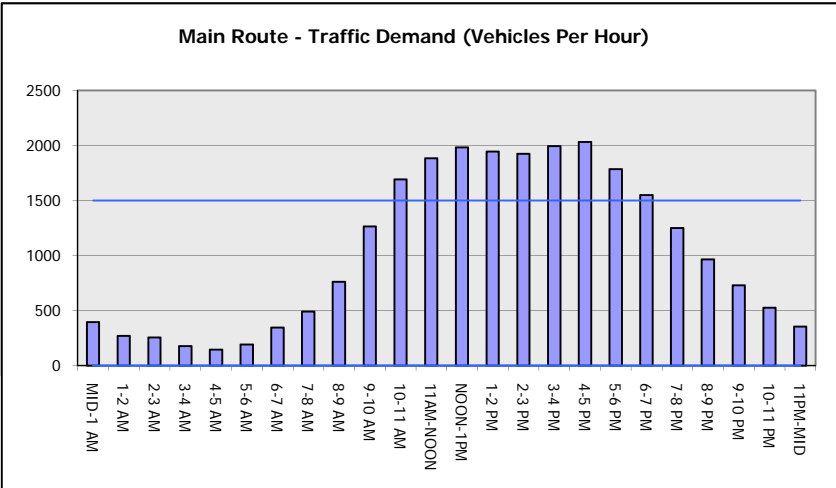
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0051
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$840
CONGESTED HOURS PER DAY*	0

*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	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	OFF	1136	0	0.00	0	64.3	64.3	64.3
10-11 AM	1419	0.0	OFF	1419	0	0.00	0	63.7	63.7	63.7
11AM-NOON	1604	0.0	OFF	1604	0	0.00	0	63.4	63.4	63.4
NOON-1PM	1743	0.0	OFF	1743	0	0.00	0	63.2	63.2	63.2
1-2 PM	1608	0.0	OFF	1608	0	0.00	0	63.4	63.4	63.4
2-3 PM	1621	0.0	OFF	1621	0	0.00	0	63.3	63.3	63.3
3-4 PM	1555	0.0	OFF	1555	0	0.00	0	63.5	63.5	63.5
4-5 PM	1682	0.0	OFF	1682	0	0.00	0	63.3	63.3	63.3
5-6 PM	1439	0.0	OFF	1439	0	0.00	0	63.7	63.7	63.7
6-7 PM	1289	0.0	OFF	1289	0	0.00	0	64.0	64.0	64.0
7-8 PM	1113	0.0	1500	1113	0	0.53	0	64.3	44.7	41.3
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

"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	0.0045
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$764
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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