

USH 41: CTH G TO CTH F (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	350	0.0	1500	350	0	0.46	0	65.8	52.0	44.1	
1-2 AM	240	0.0	1500	240	0	0.45	0	66.0	52.4	44.5	
2-3 AM	227	0.0	1500	227	0	0.44	0	66.0	52.5	44.6	
3-4 AM	155	0.0	1500	155	0	0.44	0	66.1	52.7	44.8	
4-5 AM	128	0.0	1500	128	0	0.43	0	66.1	52.8	45.0	
5-6 AM	170	0.0	1500	170	0	0.44	0	66.1	52.7	44.8	
6-7 AM	307	0.0	1500	307	0	0.45	0	65.8	52.2	44.3	
7-8 AM	435	0.0	1500	435	0	0.46	0	65.6	51.7	43.8	
8-9 AM	675	0.0	1500	675	0	0.49	0	65.1	50.9	42.8	
9-10 AM	1120	0.0	OFF	1120	0	0.00	0	64.3	64.3	64.3	
10-11 AM	1501	0.0	OFF	1501	0	0.00	0	63.6	63.6	63.6	
11AM-NOON	1670	0.0	OFF	1670	0	0.00	0	63.3	63.3	63.3	
NOON-1PM	1756	0.0	OFF	1756	0	0.00	0	63.1	63.1	63.1	
1-2 PM	1722	0.0	OFF	1722	0	0.00	0	63.2	63.2	63.2	
2-3 PM	1706	0.0	OFF	1706	0	0.00	0	63.2	63.2	63.2	
3-4 PM	1767	0.0	OFF	1767	0	0.00	0	63.1	63.1	63.1	
4-5 PM	1801	0.0	OFF	1801	0	0.00	0	63.0	63.0	63.0	
5-6 PM	1581	0.0	OFF	1581	0	0.00	0	63.5	63.5	63.5	
6-7 PM	1373	0.0	OFF	1373	0	0.00	0	63.8	63.8	63.8	
7-8 PM	1108	0.0	1500	1108	0	0.53	0	64.3	49.6	41.3	
8-9 PM	856	0.0	1500	856	0	0.51	0	64.8	50.4	42.2	
9-10 PM	647	0.0	1500	647	0	0.49	0	65.2	51.0	43.0	
10-11 PM	465	0.0	1500	465	0	0.47	0	65.5	51.7	43.7	
11PM-MID	315	0.0	1500	315	0	0.45	0	65.8	52.2	44.2	

"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	0.0067
MAIN ROUTE WITH WORKS	0.0063
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$689
CONGESTED HOURS PER DAY*	0

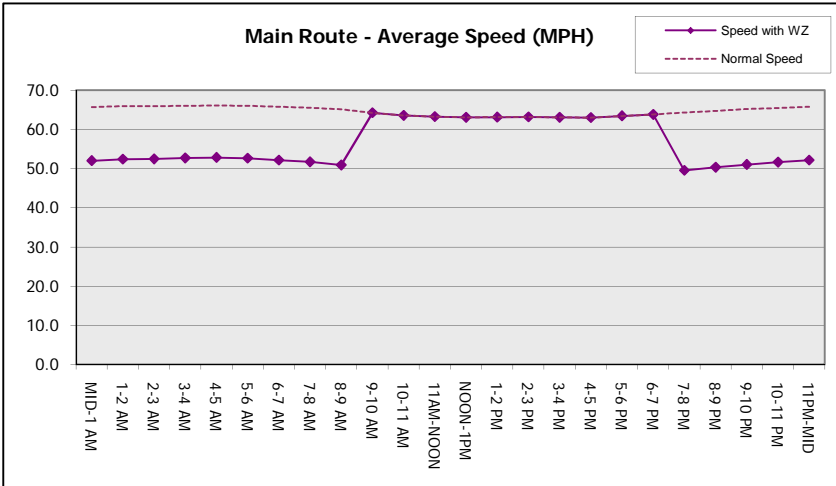
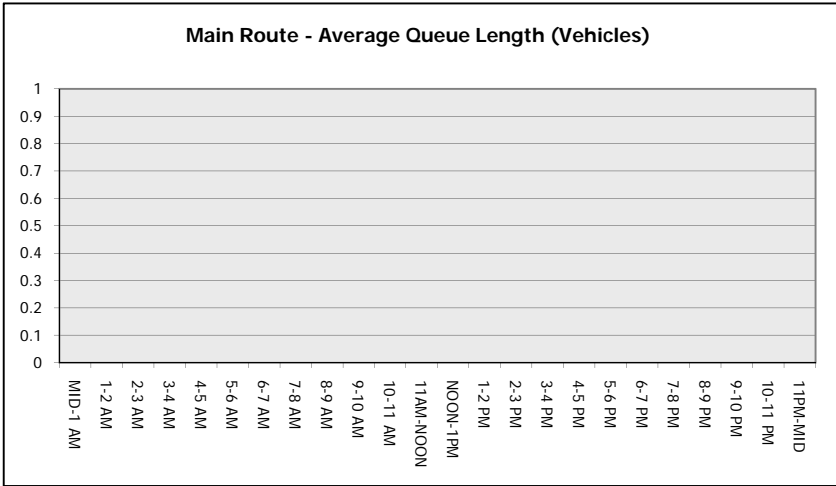
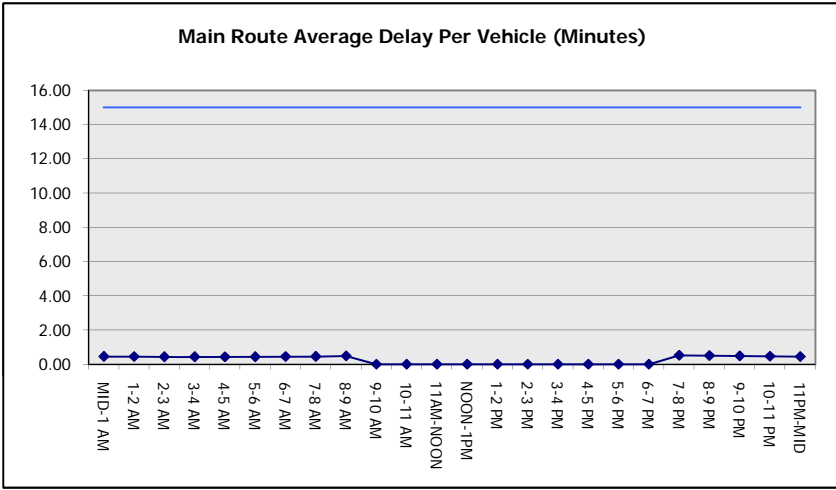
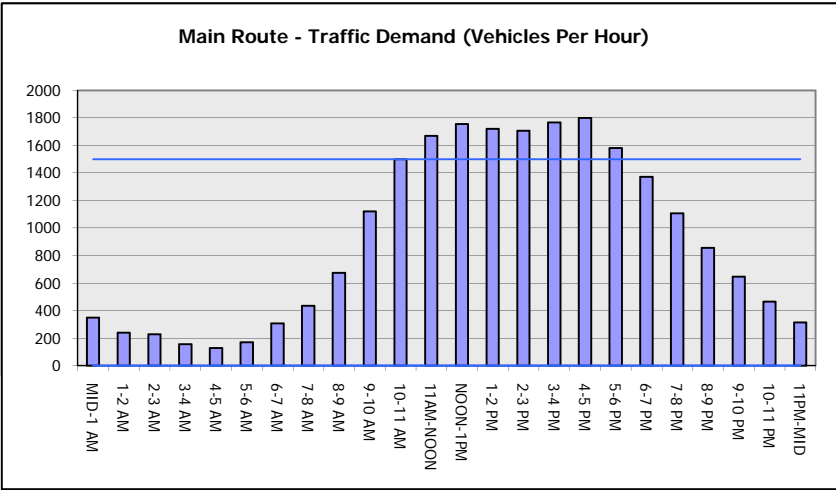
*Delays Exceeding User-Specified Maximum

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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	303	0.0	1500	303	0	0.45	0	65.8	52.2	44.3
1-2 AM	187	0.0	1500	187	0	0.44	0	66.0	52.6	44.7
2-3 AM	196	0.0	1500	196	0	0.44	0	66.0	52.6	44.7
3-4 AM	124	0.0	1500	124	0	0.43	0	66.1	52.8	45.0
4-5 AM	110	0.0	1500	110	0	0.43	0	66.2	52.9	45.0
5-6 AM	261	0.0	1500	261	0	0.45	0	65.9	52.4	44.5
6-7 AM	400	0.0	1500	400	0	0.46	0	65.6	51.9	43.9
7-8 AM	518	0.0	1500	518	0	0.47	0	65.4	51.5	43.4
8-9 AM	730	0.0	1500	730	0	0.49	0	65.0	50.7	42.7
9-10 AM	1008	0.0	OFF	1008	0	0.00	0	64.5	64.5	64.5
10-11 AM	1258	0.0	OFF	1258	0	0.00	0	64.0	64.0	64.0
11AM-NOON	1422	0.0	OFF	1422	0	0.00	0	63.7	63.7	63.7
NOON-1PM	1545	0.0	OFF	1545	0	0.00	0	63.5	63.5	63.5
1-2 PM	1425	0.0	OFF	1425	0	0.00	0	63.7	63.7	63.7
2-3 PM	1437	0.0	OFF	1437	0	0.00	0	63.7	63.7	63.7
3-4 PM	1378	0.0	OFF	1378	0	0.00	0	63.8	63.8	63.8
4-5 PM	1491	0.0	OFF	1491	0	0.00	0	63.6	63.6	63.6
5-6 PM	1275	0.0	OFF	1275	0	0.00	0	64.0	64.0	64.0
6-7 PM	1143	0.0	OFF	1143	0	0.00	0	64.3	64.3	64.3
7-8 PM	986	0.0	1500	986	0	0.52	0	64.5	49.9	41.7
8-9 PM	803	0.0	1500	803	0	0.50	0	64.9	50.5	42.4
9-10 PM	611	0.0	1500	611	0	0.48	0	65.3	51.2	43.1
10-11 PM	424	0.0	1500	424	0	0.46	0	65.6	51.8	43.8
11PM-MID	242	0.0	1500	242	0	0.45	0	66.0	52.4	44.5

"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	0.0058
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$661
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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