

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

SATURDAY 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	352	0.0	1500	352	0	0.46	0	65.7	52.0	44.1	
1-2 AM	261	0.0	1500	261	0	0.45	0	65.9	52.4	44.5	
2-3 AM	221	0.0	1500	221	0	0.44	0	66.0	52.5	44.6	
3-4 AM	168	0.0	1500	168	0	0.44	0	66.1	52.7	44.8	
4-5 AM	192	0.0	1500	192	0	0.44	0	66.0	52.6	44.7	
5-6 AM	323	0.0	1500	323	0	0.45	0	65.8	52.1	44.2	
6-7 AM	548	0.0	1500	548	0	0.48	0	65.4	51.4	43.3	
7-8 AM	865	0.0	1500	865	0	0.51	0	64.8	50.3	42.2	
8-9 AM	1066	0.0	OFF	1066	0	0.00	0	64.4	64.4	64.4	
9-10 AM	1281	0.0	OFF	1281	0	0.00	0	64.0	64.0	64.0	
10-11 AM	1501	0.0	OFF	1501	0	0.00	0	63.6	63.6	63.6	
11AM-NOON	1580	0.0	OFF	1580	0	0.00	0	63.5	63.5	63.5	
NOON-1PM	1643	0.0	OFF	1643	0	0.00	0	63.3	63.3	63.3	
1-2 PM	1581	0.0	OFF	1581	0	0.00	0	63.5	63.5	63.5	
2-3 PM	1615	0.0	OFF	1615	0	0.00	0	63.4	63.4	63.4	
3-4 PM	1672	0.0	OFF	1672	0	0.00	0	63.3	63.3	63.3	
4-5 PM	1639	0.0	OFF	1639	0	0.00	0	63.3	63.3	63.3	
5-6 PM	1514	0.0	OFF	1514	0	0.00	0	63.6	63.6	63.6	
6-7 PM	1304	0.0	1500	1304	0	0.77	0	64.0	44.6	35.4	
7-8 PM	1028	0.0	1500	1028	0	0.52	0	64.5	49.8	41.6	
8-9 PM	936	0.0	1500	936	0	0.51	0	64.6	50.1	41.9	
9-10 PM	819	0.0	1500	819	0	0.50	0	64.8	50.5	42.3	
10-11 PM	658	0.0	1500	658	0	0.49	0	65.1	51.0	42.9	
11PM-MID	523	0.0	1500	523	0	0.47	0	65.4	51.4	43.4	

"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

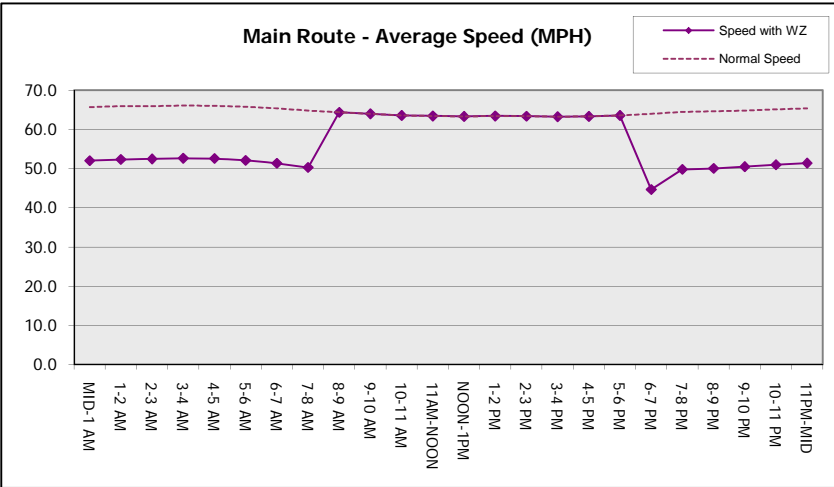
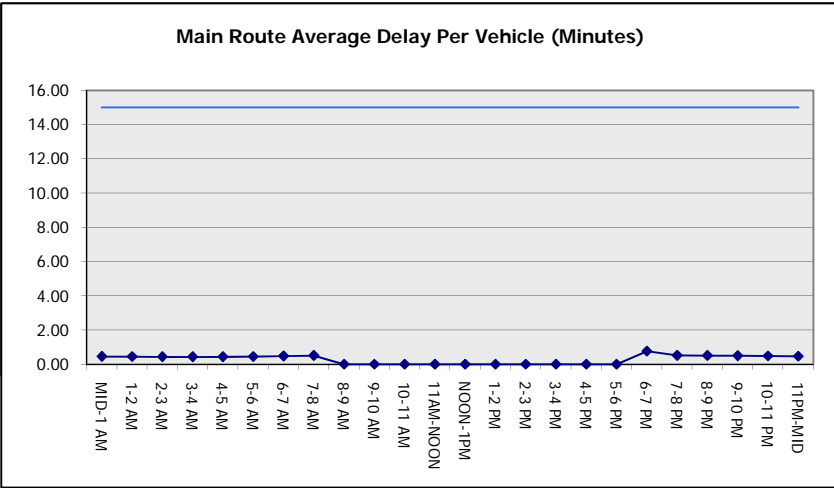
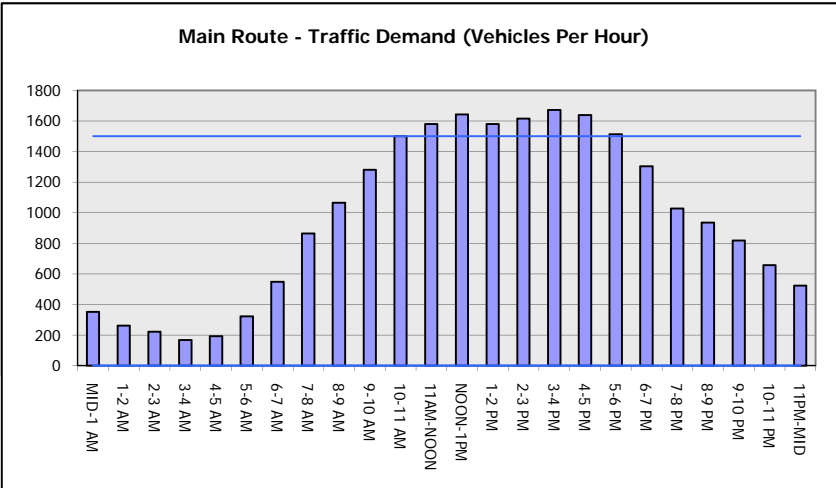
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0070
MAIN ROUTE WITH WORKS	0.0065
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,045
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	290	0.0	1500	290	0	0.45	0	65.8	52.2	44.3
1-2 AM	182	0.0	1500	182	0	0.44	0	66.1	52.6	44.8
2-3 AM	168	0.0	1500	168	0	0.44	0	66.1	52.7	44.8
3-4 AM	128	0.0	1500	128	0	0.43	0	66.1	52.8	45.0
4-5 AM	156	0.0	1500	156	0	0.44	0	66.1	52.7	44.8
5-6 AM	287	0.0	1500	287	0	0.45	0	65.8	52.3	44.3
6-7 AM	514	0.0	1500	514	0	0.47	0	65.5	51.5	43.5
7-8 AM	915	0.0	1500	915	0	0.51	0	64.7	50.1	42.0
8-9 AM	1345	0.0	OFF	1345	0	0.00	0	63.9	63.9	63.9
9-10 AM	1498	0.0	OFF	1498	0	0.00	0	63.6	63.6	63.6
10-11 AM	1649	0.0	OFF	1649	0	0.00	0	63.3	63.3	63.3
11AM-NOON	1761	0.0	OFF	1761	0	0.00	0	63.1	63.1	63.1
NOON-1PM	1781	0.0	OFF	1781	0	0.00	0	63.1	63.1	63.1
1-2 PM	1666	0.0	OFF	1666	0	0.00	0	63.3	63.3	63.3
2-3 PM	1638	0.0	OFF	1638	0	0.00	0	63.3	63.3	63.3
3-4 PM	1668	0.0	OFF	1668	0	0.00	0	63.3	63.3	63.3
4-5 PM	1584	0.0	OFF	1584	0	0.00	0	63.4	63.4	63.4
5-6 PM	1518	0.0	OFF	1518	0	0.00	0	63.5	63.5	63.5
6-7 PM	1322	0.0	1500	1322	0	0.79	0	63.9	44.2	34.9
7-8 PM	1029	0.0	1500	1029	0	0.52	0	64.5	49.8	41.5
8-9 PM	915	0.0	1500	915	0	0.51	0	64.7	50.1	42.0
9-10 PM	793	0.0	1500	793	0	0.50	0	64.9	50.5	42.4
10-11 PM	694	0.0	1500	694	0	0.49	0	65.1	50.9	42.8
11PM-MID	435	0.0	1500	435	0	0.46	0	65.6	51.7	43.8

"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	0.0072
MAIN ROUTE WITH WORKS	0.0067
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,010
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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