

USH 41: CTH G TO CTH F (BROWN COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	347	0.0	1500	347	0	0.46	0	65.8	52.0	44.1
1-2 AM	239	0.0	1500	239	0	0.45	0	66.0	52.4	44.5
2-3 AM	217	0.0	1500	217	0	0.44	0	66.0	52.5	44.6
3-4 AM	179	0.0	1500	179	0	0.44	0	66.1	52.7	44.8
4-5 AM	242	0.0	1500	242	0	0.45	0	66.0	52.4	44.5
5-6 AM	356	0.0	1500	356	0	0.46	0	65.7	52.0	44.1
6-7 AM	598	0.0	1500	598	0	0.48	0	65.3	51.2	43.2
7-8 AM	816	0.0	1500	816	0	0.50	0	64.9	50.5	42.4
8-9 AM	1054	0.0	OFF	1054	0	0.00	0	64.4	64.4	64.4
9-10 AM	1277	0.0	OFF	1277	0	0.00	0	64.0	64.0	64.0
10-11 AM	1582	0.0	OFF	1582	0	0.00	0	63.5	63.5	63.5
11AM-NOON	1711	0.0	OFF	1711	0	0.00	0	63.2	63.2	63.2
NOON-1PM	1761	0.0	OFF	1761	0	0.00	0	63.1	63.1	63.1
1-2 PM	1715	0.0	OFF	1715	0	0.00	0	63.2	63.2	63.2
2-3 PM	1679	0.0	OFF	1679	0	0.00	0	63.3	63.3	63.3
3-4 PM	1692	0.0	OFF	1692	0	0.00	0	63.2	63.2	63.2
4-5 PM	1719	0.0	OFF	1719	0	0.00	0	63.2	63.2	63.2
5-6 PM	1582	0.0	OFF	1582	0	0.00	0	63.5	63.5	63.5
6-7 PM	1373	0.0	1500	1373	0	0.86	0	63.8	43.1	33.6
7-8 PM	1197	0.0	1500	1197	0	0.63	0	64.1	47.3	38.6
8-9 PM	1195	0.0	1500	1195	0	0.63	0	64.1	47.4	38.6
9-10 PM	1073	0.0	1500	1073	0	0.53	0	64.4	49.6	41.4
10-11 PM	826	0.0	1500	826	0	0.50	0	64.8	50.4	42.3
11PM-MID	728	0.0	1500	728	0	0.49	0	65.0	50.7	42.7

"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	0.0076
MAIN ROUTE WITH WORKS	0.0070
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,558
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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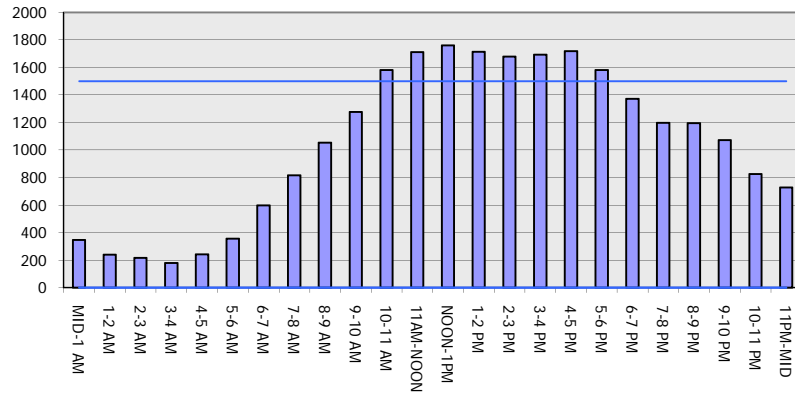
OCTOBER

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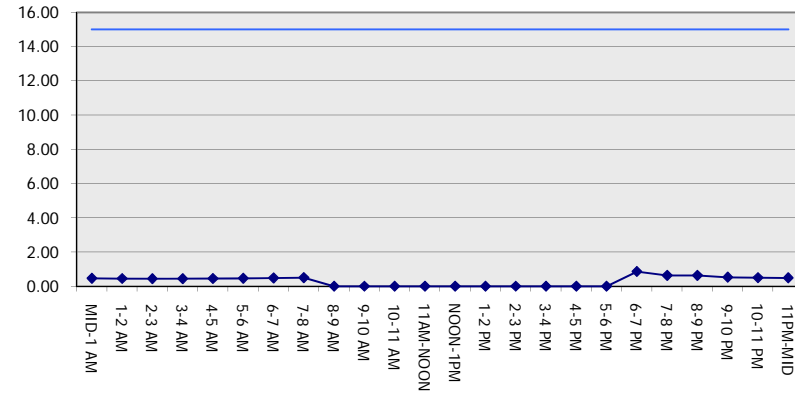
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION

Main Route - Traffic Demand (Vehicles Per Hour)



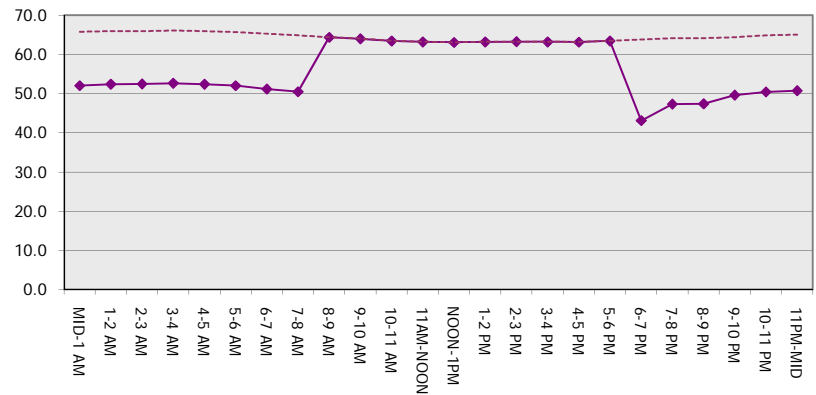
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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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	288	0.0	1500	288	0	0.45	0	65.8	52.2	44.3
1-2 AM	162	0.0	1500	162	0	0.44	0	66.1	52.7	44.8
2-3 AM	161	0.0	1500	161	0	0.44	0	66.1	52.7	44.8
3-4 AM	136	0.0	1500	136	0	0.44	0	66.1	52.8	45.0
4-5 AM	192	0.0	1500	192	0	0.44	0	66.0	52.6	44.7
5-6 AM	306	0.0	1500	306	0	0.45	0	65.8	52.2	44.3
6-7 AM	523	0.0	1500	523	0	0.47	0	65.4	51.4	43.4
7-8 AM	886	0.0	1500	886	0	0.51	0	64.7	50.2	42.1
8-9 AM	1306	0.0	OFF	1306	0	0.00	0	64.0	64.0	64.0
9-10 AM	1553	0.0	OFF	1553	0	0.00	0	63.5	63.5	63.5
10-11 AM	1711	0.0	OFF	1711	0	0.00	0	63.2	63.2	63.2
11AM-NOON	1899	0.0	OFF	1899	0	0.00	0	62.8	62.8	62.8
NOON-1PM	1884	0.0	OFF	1884	0	0.00	0	62.8	62.8	62.8
1-2 PM	1736	0.0	OFF	1736	0	0.00	0	63.2	63.2	63.2
2-3 PM	1682	0.0	OFF	1682	0	0.00	0	63.3	63.3	63.3
3-4 PM	1734	0.0	OFF	1734	0	0.00	0	63.2	63.2	63.2
4-5 PM	1848	0.0	OFF	1848	0	0.00	0	63.0	63.0	63.0
5-6 PM	1778	0.0	OFF	1778	0	0.00	0	63.1	63.1	63.1
6-7 PM	1685	0.0	1499	1685	0	4.65	109	63.2	17.8	30.8
7-8 PM	1238	0.0	1499	1238	0	2.69	84	64.1	25.6	34.8
8-9 PM	1007	0.0	1500	1007	0	0.52	0	64.5	49.9	41.7
9-10 PM	872	0.0	1500	872	0	0.51	0	64.8	50.3	42.1
10-11 PM	625	0.0	1500	625	0	0.48	0	65.2	51.1	43.0
11PM-MID	432	0.0	1500	432	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	0.0078
MAIN ROUTE WITH WORKS	0.0072
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,980
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION**

