

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

MON-THUR 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	186	0.0	1500	186	0	0.44	0	66.0	52.6	44.7	
1-2 AM	151	0.0	1500	151	0	0.44	0	66.1	52.7	44.9	
2-3 AM	138	0.0	1500	138	0	0.44	0	66.1	52.8	45.0	
3-4 AM	163	0.0	1500	163	0	0.44	0	66.1	52.7	44.8	
4-5 AM	374	0.0	1500	374	0	0.46	0	65.7	52.0	44.0	
5-6 AM	1103	0.0	OFF	1103	0	0.00	0	64.3	64.3	64.3	
6-7 AM	2259	0.0	OFF	2259	0	0.00	0	62.2	62.2	62.2	
7-8 AM	2797	0.0	OFF	2797	0	0.00	0	57.9	57.9	57.9	
8-9 AM	1732	0.0	OFF	1732	0	0.00	0	63.2	63.2	63.2	
9-10 AM	1486	0.0	OFF	1486	0	0.00	0	63.6	63.6	63.6	
10-11 AM	1500	0.0	OFF	1500	0	0.00	0	63.6	63.6	63.6	
11AM-NOON	1646	0.0	OFF	1646	0	0.00	0	63.3	63.3	63.3	
NOON-1PM	1777	0.0	OFF	1777	0	0.00	0	63.1	63.1	63.1	
1-2 PM	1839	0.0	OFF	1839	0	0.00	0	63.0	63.0	63.0	
2-3 PM	1943	0.0	OFF	1943	0	0.00	0	62.8	62.8	62.8	
3-4 PM	2325	0.0	OFF	2325	0	0.00	0	62.0	62.0	62.0	
4-5 PM	2904	0.0	OFF	2904	0	0.00	0	56.8	56.8	56.8	
5-6 PM	2569	0.0	OFF	2569	0	0.00	0	60.2	60.2	60.2	
6-7 PM	1504	0.0	OFF	1504	0	0.00	0	63.6	63.6	63.6	
7-8 PM	1060	0.0	1500	1060	0	0.52	0	64.4	49.7	41.5	
8-9 PM	965	0.0	1500	965	0	0.52	0	64.6	50.0	41.8	
9-10 PM	781	0.0	1500	781	0	0.50	0	65.0	50.6	42.5	
10-11 PM	524	0.0	1500	524	0	0.47	0	65.4	51.4	43.4	
11PM-MID	329	0.0	1500	329	0	0.45	0	65.8	52.1	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

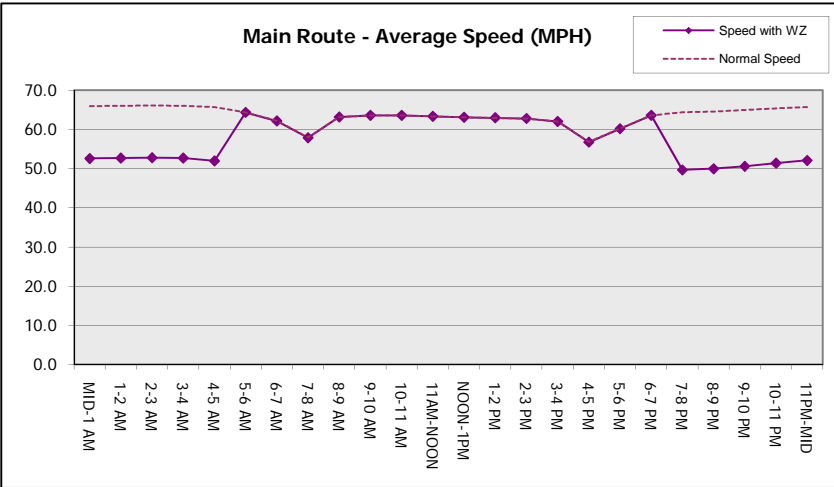
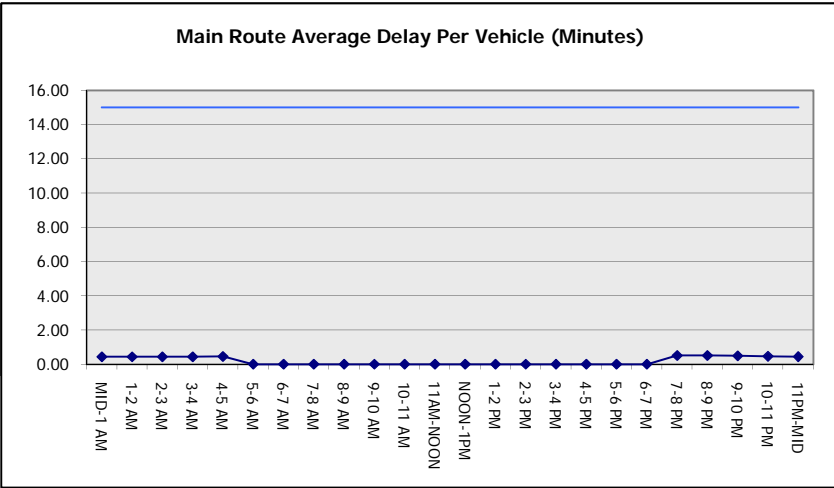
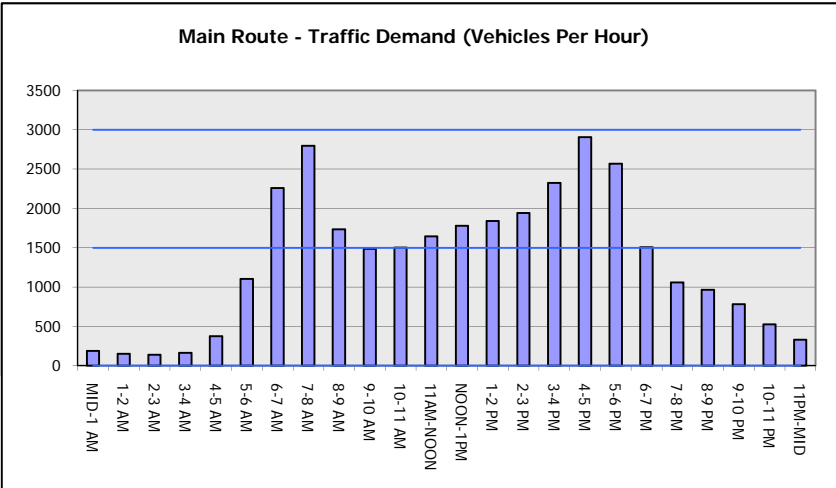
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0094
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$476
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	157	0.0	1500	157	0	0.44	0	66.1	52.7	44.8
1-2 AM	114	0.0	1500	114	0	0.43	0	66.2	52.8	45.0
2-3 AM	121	0.0	1500	121	0	0.43	0	66.1	52.8	45.0
3-4 AM	128	0.0	1500	128	0	0.43	0	66.1	52.8	45.0
4-5 AM	247	0.0	1500	247	0	0.45	0	66.0	52.4	44.5
5-6 AM	702	0.0	OFF	702	0	0.00	0	65.1	65.1	65.1
6-7 AM	1750	0.0	OFF	1750	0	0.00	0	63.2	63.2	63.2
7-8 AM	2886	0.0	OFF	2886	0	0.00	0	56.9	56.9	56.9
8-9 AM	1962	0.0	OFF	1962	0	0.00	0	62.7	62.7	62.7
9-10 AM	1577	0.0	OFF	1577	0	0.00	0	63.5	63.5	63.5
10-11 AM	1513	0.0	OFF	1513	0	0.00	0	63.6	63.6	63.6
11AM-NOON	1653	0.0	OFF	1653	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1689	0.0	OFF	1689	0	0.00	0	63.2	63.2	63.2
1-2 PM	1718	0.0	OFF	1718	0	0.00	0	63.2	63.2	63.2
2-3 PM	1960	0.0	OFF	1960	0	0.00	0	62.7	62.7	62.7
3-4 PM	2418	0.0	OFF	2418	0	0.00	0	61.7	61.7	61.7
4-5 PM	3023	0.0	OFF	3023	0	0.00	0	55.5	55.5	55.5
5-6 PM	2716	0.0	OFF	2716	0	0.00	0	58.7	58.7	58.7
6-7 PM	1584	0.0	OFF	1584	0	0.00	0	63.4	63.4	63.4
7-8 PM	1061	0.0	1500	1061	0	0.52	0	64.4	49.7	41.5
8-9 PM	891	0.0	1500	891	0	0.51	0	64.7	50.2	42.0
9-10 PM	722	0.0	1500	722	0	0.49	0	65.0	50.8	42.7
10-11 PM	573	0.0	1500	573	0	0.48	0	65.3	51.3	43.2
11PM-MID	316	0.0	1500	316	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	0.0095
MAIN ROUTE WITH WORKS	0.0092
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$439
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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