

<b>USH 41: CTH G TO CTH F (BROWN COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	OFF	186	0	0.00	0	66.0	66.0	66.0	
1-2 AM	151	0.0	OFF	151	0	0.00	0	66.1	66.1	66.1	
2-3 AM	138	0.0	OFF	138	0	0.00	0	66.1	66.1	66.1	
3-4 AM	163	0.0	OFF	163	0	0.00	0	66.1	66.1	66.1	
4-5 AM	374	0.0	OFF	374	0	0.00	0	65.7	65.7	65.7	
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	1499	1500	0	1.10	2	63.6	39.4	31.0	
11AM-NOON	1646	0.0	1500	1646	0	3.42	74	63.3	21.9	30.8	
NOON-1PM	1777	0.0	1500	1777	0	11.31+	288	63.1	10.4	30.8	
1-2 PM	1839	0.0	1499	1500	340	16.96+	430	63.0	8.6	30.8	
2-3 PM	1943	0.0	1499	1500	444	16.96+	430	62.8	8.6	30.8	
3-4 PM	2325	0.0	OFF	2325	0	0.96	55	62.0	40.8	40.8	
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	OFF	1060	0	0.00	0	64.4	64.4	64.4	
8-9 PM	965	0.0	OFF	965	0	0.00	0	64.6	64.6	64.6	
9-10 PM	781	0.0	OFF	781	0	0.00	0	65.0	65.0	65.0	
10-11 PM	524	0.0	OFF	524	0	0.00	0	65.4	65.4	65.4	
11PM-MID	329	0.0	OFF	329	0	0.00	0	65.8	65.8	65.8	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- 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

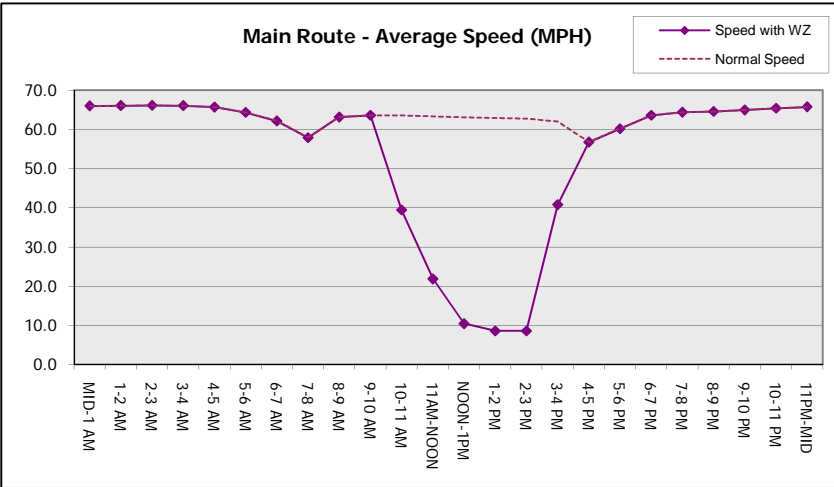
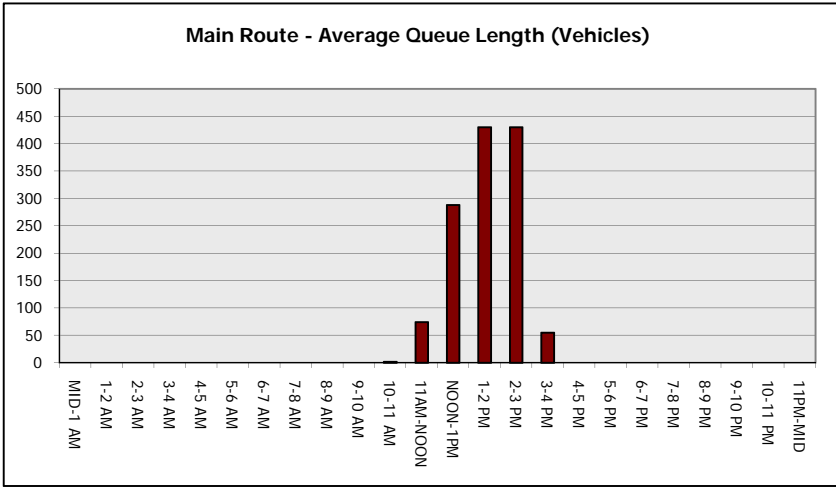
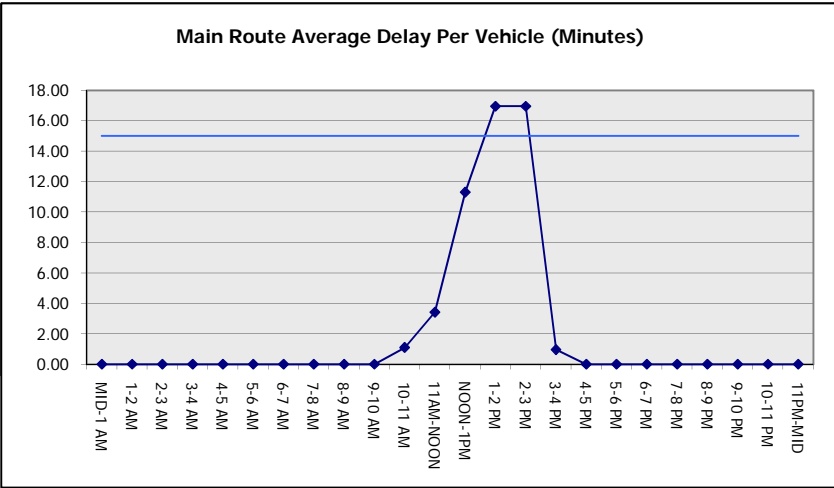
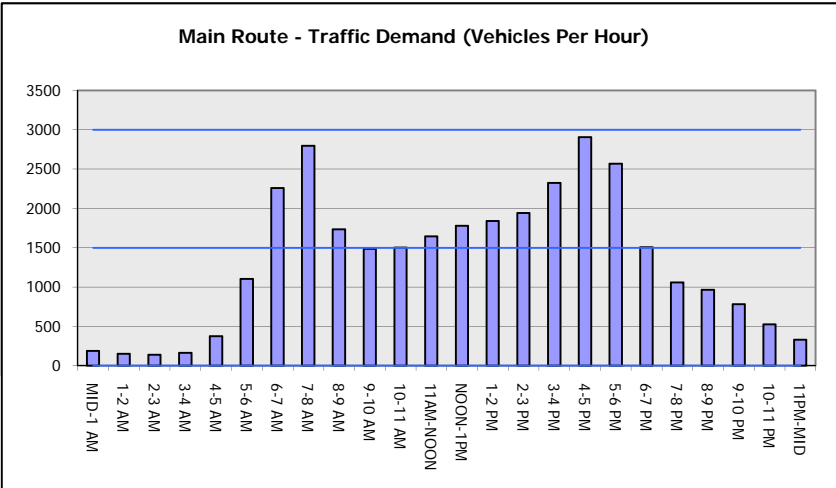
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0005
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$19,414
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

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



<b>USH 41: CTH G TO CTH F (BROWN COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	OFF	157	0	0.00	0	66.1	66.1	66.1	
1-2 AM	114	0.0	OFF	114	0	0.00	0	66.2	66.2	66.2	
2-3 AM	121	0.0	OFF	121	0	0.00	0	66.1	66.1	66.1	
3-4 AM	128	0.0	OFF	128	0	0.00	0	66.1	66.1	66.1	
4-5 AM	247	0.0	OFF	247	0	0.00	0	66.0	66.0	66.0	
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	1499	1513	0	1.18	4	63.6	38.4	30.8	
11AM-NOON	1653	0.0	1500	1653	0	3.79	84	63.3	20.4	30.8	
NOON-1PM	1689	0.0	1500	1689	0	10.42	258	63.2	10.8	30.8	
1-2 PM	1718	0.0	1499	1590	128	16.41+	415	63.2	8.7	30.8	
2-3 PM	1960	0.0	1499	1497	463	16.96+	430	62.7	8.6	30.8	
3-4 PM	2418	0.0	OFF	2418	0	1.08	62	61.7	39.0	39.0	
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	OFF	1061	0	0.00	0	64.4	64.4	64.4	
8-9 PM	891	0.0	OFF	891	0	0.00	0	64.7	64.7	64.7	
9-10 PM	722	0.0	OFF	722	0	0.00	0	65.0	65.0	65.0	
10-11 PM	573	0.0	OFF	573	0	0.00	0	65.3	65.3	65.3	
11PM-MID	316	0.0	OFF	316	0	0.00	0	65.8	65.8	65.8	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- 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	0.0088
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$18,573
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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**MON-THUR NORTHBOUND DIRECTION**

