

<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>AUGUST</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	212	0.0	OFF	212	0	0.00	0	66.0	66.0	66.0	
1-2 AM	161	0.0	OFF	161	0	0.00	0	66.1	66.1	66.1	
2-3 AM	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1	
3-4 AM	181	0.0	OFF	181	0	0.00	0	66.1	66.1	66.1	
4-5 AM	406	0.0	OFF	406	0	0.00	0	65.6	65.6	65.6	
5-6 AM	1200	0.0	OFF	1200	0	0.00	0	64.1	64.1	64.1	
6-7 AM	2305	0.0	OFF	2305	0	0.00	0	62.1	62.1	62.1	
7-8 AM	2904	0.0	OFF	2904	0	0.00	0	56.8	56.8	56.8	
8-9 AM	1859	0.0	OFF	1859	0	0.00	0	62.9	62.9	62.9	
9-10 AM	1619	0.0	OFF	1619	0	0.00	0	63.3	63.3	63.3	
10-11 AM	1698	0.0	1499	1698	0	3.91	93	63.2	20.0	30.8	
11AM-NOON	1818	0.0	1500	1741	77	13.27+	339	63.0	9.6	30.8	
NOON-1PM	1947	0.0	1500	1498	448	16.96+	430	62.8	8.6	30.8	
1-2 PM	2056	0.0	1499	1499	557	16.97+	431	62.5	8.6	30.8	
2-3 PM	2196	0.0	1499	1499	697	16.97+	431	62.3	8.6	30.8	
3-4 PM	2492	0.0	OFF	2492	0	1.09	62	61.0	38.5	38.5	
4-5 PM	2989	0.0	OFF	2989	0	0.00	0	55.9	55.9	55.9	
5-6 PM	2758	0.0	OFF	2758	0	0.00	0	58.2	58.2	58.2	
6-7 PM	1627	0.0	OFF	1627	0	0.00	0	63.3	63.3	63.3	
7-8 PM	1143	0.0	OFF	1143	0	0.00	0	64.3	64.3	64.3	
8-9 PM	1045	0.0	OFF	1045	0	0.00	0	64.5	64.5	64.5	
9-10 PM	922	0.0	OFF	922	0	0.00	0	64.6	64.6	64.6	
10-11 PM	783	0.0	OFF	783	0	0.00	0	64.9	64.9	64.9	
11PM-MID	483	0.0	OFF	483	0	0.00	0	65.5	65.5	65.5	

"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

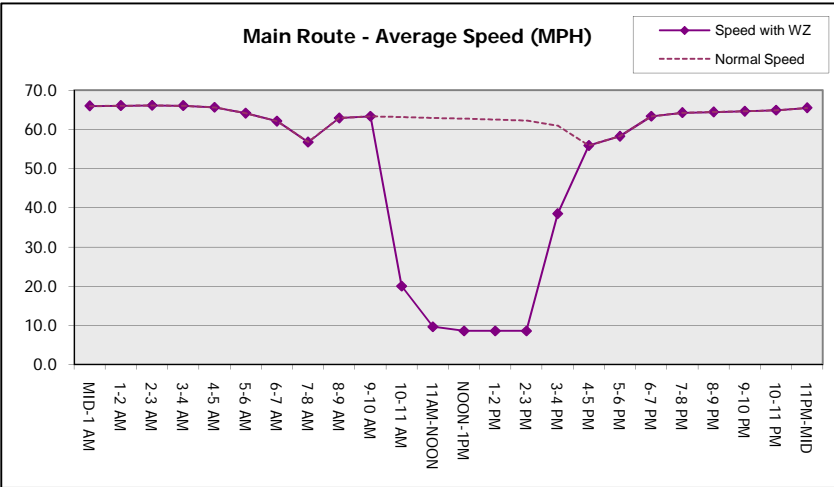
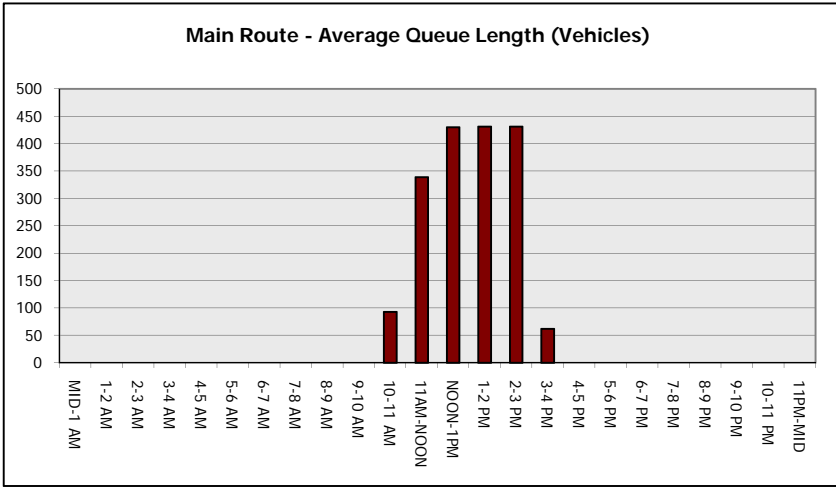
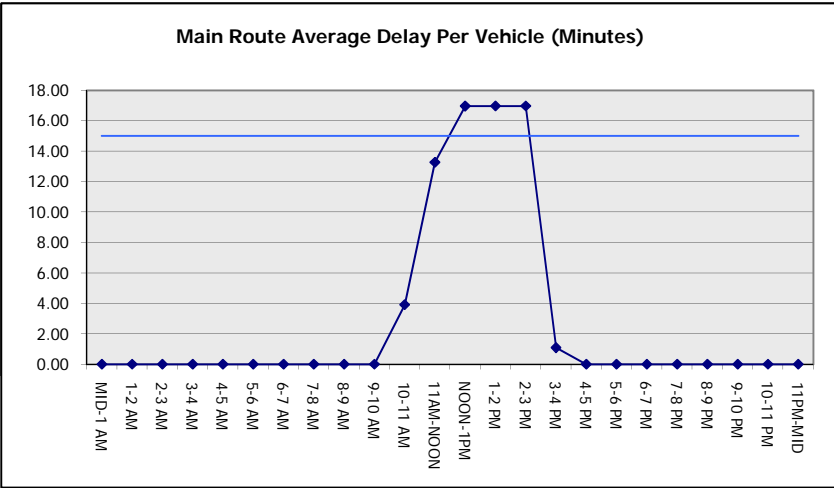
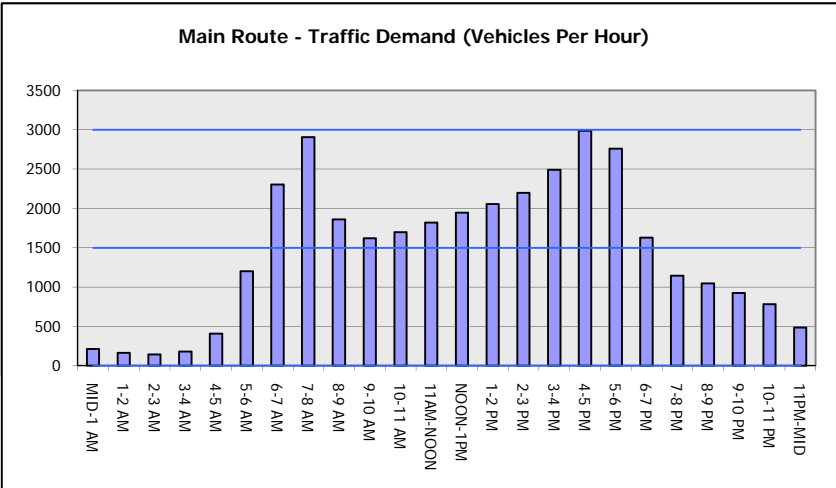
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0106
MAIN ROUTE WITH WORKS	0.0095
'DIVERSION'	0.0012
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,702
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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

**AUGUST**  
Analyzed for 2009  
Construction Season

**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	204	0.0	OFF	204	0	0.00	0	66.0	66.0	66.0
1-2 AM	127	0.0	OFF	127	0	0.00	0	66.1	66.1	66.1
2-3 AM	143	0.0	OFF	143	0	0.00	0	66.1	66.1	66.1
3-4 AM	145	0.0	OFF	145	0	0.00	0	66.1	66.1	66.1
4-5 AM	273	0.0	OFF	273	0	0.00	0	65.9	65.9	65.9
5-6 AM	767	0.0	OFF	767	0	0.00	0	65.0	65.0	65.0
6-7 AM	1839	0.0	OFF	1839	0	0.00	0	63.0	63.0	63.0
7-8 AM	2915	0.0	OFF	2915	0	0.00	0	56.6	56.6	56.6
8-9 AM	2124	0.0	OFF	2124	0	0.00	0	62.4	62.4	62.4
9-10 AM	1788	0.0	OFF	1788	0	0.00	0	63.0	63.0	63.0
10-11 AM	1745	0.0	1499	1745	0	4.77	119	63.2	17.8	30.8
11AM-NOON	1867	0.0	1500	1673	194	14.95+	380	62.9	9.1	30.8
NOON-1PM	1928	0.0	1500	1502	426	16.96+	430	62.8	8.6	30.8
1-2 PM	1940	0.0	1500	1502	439	16.96+	430	62.8	8.6	30.8
2-3 PM	2192	0.0	1500	1502	690	16.97+	431	62.3	8.6	30.8
3-4 PM	2677	0.0	OFF	2677	0	1.17	67	59.1	36.8	36.8
4-5 PM	3243	0.0	OFF	3243	0	0.00	0	53.3	53.3	53.3
5-6 PM	2966	0.0	OFF	2966	0	0.00	0	56.1	56.1	56.1
6-7 PM	1802	0.0	OFF	1802	0	0.00	0	63.0	63.0	63.0
7-8 PM	1155	0.0	OFF	1155	0	0.00	0	64.2	64.2	64.2
8-9 PM	979	0.0	OFF	979	0	0.00	0	64.6	64.6	64.6
9-10 PM	791	0.0	OFF	791	0	0.00	0	64.9	64.9	64.9
10-11 PM	614	0.0	OFF	614	0	0.00	0	65.3	65.3	65.3
11PM-MID	364	0.0	OFF	364	0	0.00	0	65.7	65.7	65.7

"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	0.0105
MAIN ROUTE WITH WORKS	0.0094
'DIVERSION'	0.0012

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,454
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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