

<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**

FRIDAY      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	285	0.0	OFF	285	0	0.00	0	65.8	65.8	65.8
1-2 AM	204	0.0	OFF	204	0	0.00	0	66.0	66.0	66.0
2-3 AM	179	0.0	OFF	179	0	0.00	0	66.1	66.1	66.1
3-4 AM	186	0.0	OFF	186	0	0.00	0	66.0	66.0	66.0
4-5 AM	402	0.0	OFF	402	0	0.00	0	65.6	65.6	65.6
5-6 AM	1046	0.0	OFF	1046	0	0.00	0	64.5	64.5	64.5
6-7 AM	2021	0.0	OFF	2021	0	0.00	0	62.6	62.6	62.6
7-8 AM	2578	0.0	OFF	2578	0	0.00	0	60.1	60.1	60.1
8-9 AM	1791	0.0	OFF	1791	0	0.00	0	63.0	63.0	63.0
9-10 AM	1715	0.0	OFF	1715	0	0.00	0	63.2	63.2	63.2
10-11 AM	1861	0.0	1499	1861	0	6.23	170	62.9	15.2	30.8
11AM-NOON	2045	0.0	1499	1526	519	16.89+	429	62.6	8.6	30.8
NOON-1PM	2223	0.0	1500	1508	716	16.97+	431	62.2	8.6	30.8
1-2 PM	2301	0.0	1500	1507	794	16.97+	431	62.1	8.6	30.8
2-3 PM	2417	0.0	1500	1508	909	16.98+	432	61.7	8.6	30.8
3-4 PM	2577	0.0	OFF	2577	0	1.03	59	60.1	38.9	38.9
4-5 PM	2865	0.0	OFF	2865	0	0.00	0	57.1	57.1	57.1
5-6 PM	2509	0.0	OFF	2509	0	0.00	0	60.8	60.8	60.8
6-7 PM	1665	0.0	OFF	1665	0	0.00	0	63.3	63.3	63.3
7-8 PM	1198	0.0	OFF	1198	0	0.00	0	64.1	64.1	64.1
8-9 PM	1015	0.0	OFF	1015	0	0.00	0	64.5	64.5	64.5
9-10 PM	895	0.0	OFF	895	0	0.00	0	64.7	64.7	64.7
10-11 PM	767	0.0	OFF	767	0	0.00	0	65.0	65.0	65.0
11PM-MID	558	0.0	OFF	558	0	0.00	0	65.3	65.3	65.3

"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

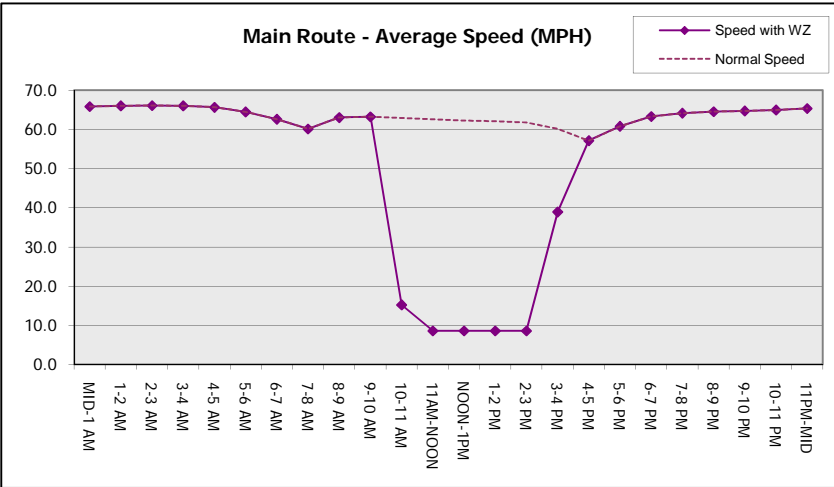
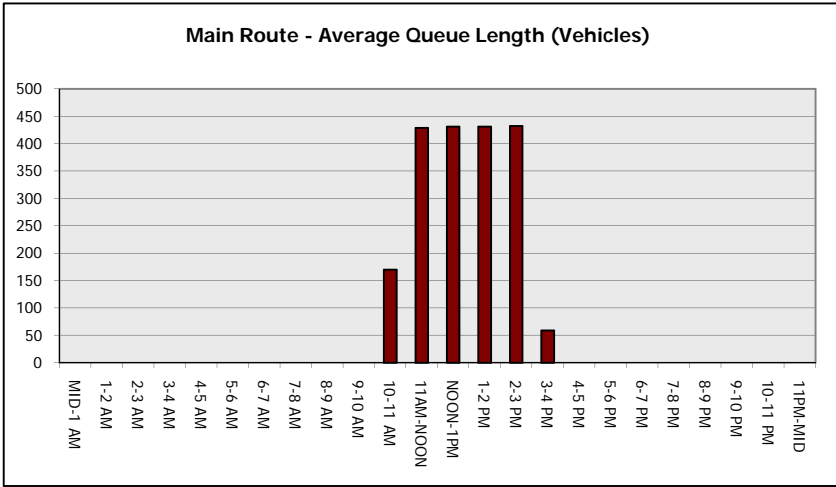
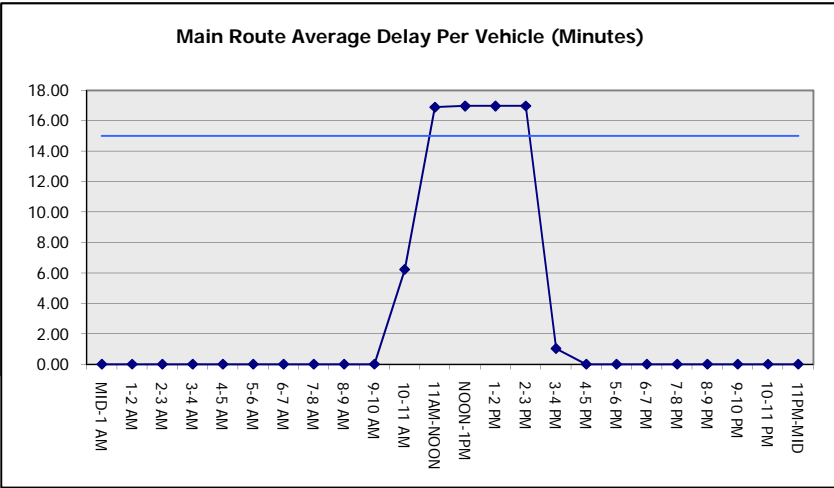
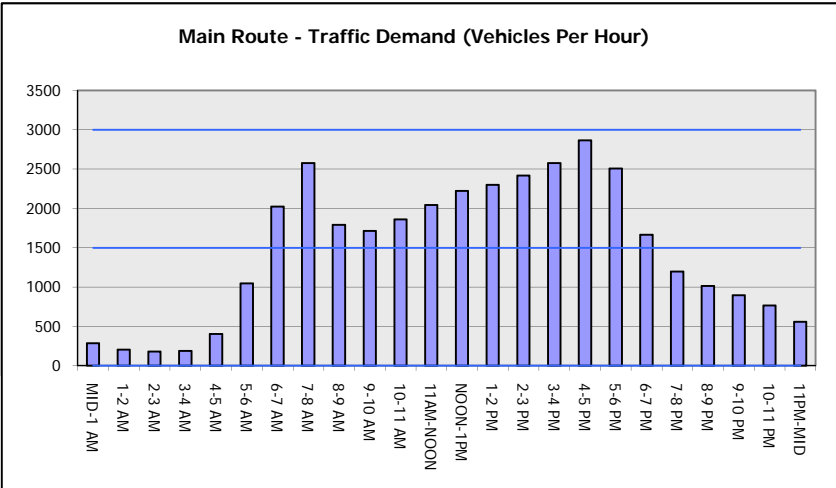
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0107
MAIN ROUTE WITH WORKS	0.0093
'DIVERSION'	0.0021
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,872
CONGESTED HOURS PER DAY*	4

\*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**  
**FRIDAY SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	281	0.0	OFF	281	0	0.00	0	65.9	65.9	65.9
1-2 AM	175	0.0	OFF	175	0	0.00	0	66.1	66.1	66.1
2-3 AM	174	0.0	OFF	174	0	0.00	0	66.1	66.1	66.1
3-4 AM	171	0.0	OFF	171	0	0.00	0	66.1	66.1	66.1
4-5 AM	269	0.0	OFF	269	0	0.00	0	65.9	65.9	65.9
5-6 AM	697	0.0	OFF	697	0	0.00	0	65.1	65.1	65.1
6-7 AM	1652	0.0	OFF	1652	0	0.00	0	63.3	63.3	63.3
7-8 AM	2637	0.0	OFF	2637	0	0.00	0	59.5	59.5	59.5
8-9 AM	2021	0.0	OFF	2021	0	0.00	0	62.6	62.6	62.6
9-10 AM	1916	0.0	OFF	1916	0	0.00	0	62.8	62.8	62.8
10-11 AM	2040	0.0	1499	2012	28	9.07+	255	62.6	12.2	30.8
11AM-NOON	2227	0.0	1500	1449	777	16.87+	429	62.2	8.6	30.8
NOON-1PM	2367	0.0	1499	1495	872	16.98+	432	62.0	8.6	30.8
1-2 PM	2395	0.0	1499	1496	900	16.98+	432	61.9	8.6	30.8
2-3 PM	2676	0.0	1499	1488	1188	16.99+	436	59.1	8.5	30.8
3-4 PM	2966	0.0	OFF	2966	0	1.58	93	56.1	31.6	31.6
4-5 PM	3331	0.0	OFF	3331	0	0.00	0	52.4	52.4	52.4
5-6 PM	2998	0.0	OFF	2998	0	0.00	0	55.8	55.8	55.8
6-7 PM	2162	0.0	OFF	2162	0	0.00	0	62.3	62.3	62.3
7-8 PM	1552	0.0	OFF	1552	0	0.00	0	63.5	63.5	63.5
8-9 PM	1255	0.0	OFF	1255	0	0.00	0	64.0	64.0	64.0
9-10 PM	1057	0.0	OFF	1057	0	0.00	0	64.4	64.4	64.4
10-11 PM	800	0.0	OFF	800	0	0.00	0	64.9	64.9	64.9
11PM-MID	546	0.0	OFF	546	0	0.00	0	65.4	65.4	65.4

"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	0.0116
MAIN ROUTE WITH WORKS	0.0099
'DIVERSION'	0.0026

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,405
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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FRIDAY NORTHBOUND DIRECTION**

