

<b>USH 41: CTH B TO CTH M (BROWN COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	166	0.0	1500	166	0	0.44	0	66.1	57.2	44.8	
1-2 AM	99	0.0	1500	99	0	0.43	0	66.2	57.4	45.1	
2-3 AM	108	0.0	1500	108	0	0.43	0	66.2	57.3	45.1	
3-4 AM	84	0.0	1500	84	0	0.43	0	66.2	57.4	45.1	
4-5 AM	182	0.0	1500	182	0	0.44	0	66.1	57.1	44.8	
5-6 AM	376	0.0	1500	376	0	0.46	0	65.7	56.5	44.0	
6-7 AM	463	0.0	1500	463	0	0.47	0	65.5	56.3	43.7	
7-8 AM	672	0.0	1500	672	0	0.49	0	65.1	55.6	42.8	
8-9 AM	924	0.0	1500	924	0	0.51	0	64.6	54.9	41.9	
9-10 AM	1218	0.0	1499	1218	0	0.66	0	64.1	52.3	38.1	
10-11 AM	1537	0.0	1499	1537	0	1.37	10	63.5	43.3	30.9	
11AM-NOON	1591	0.0	1500	1591	0	4.10	86	63.4	26.5	30.8	
NOON-1PM	1573	0.0	1499	1573	0	7.34	171	63.5	18.1	30.8	
1-2 PM	1511	0.0	1499	1511	0	8.89	212	63.6	15.7	30.8	
2-3 PM	1537	0.0	1500	1537	0	9.82	237	63.5	14.6	30.8	
3-4 PM	1427	0.0	1499	1427	0	9.16	220	63.7	15.4	30.8	
4-5 PM	1412	0.0	1500	1412	0	6.11	139	63.8	20.6	30.8	
5-6 PM	1319	0.0	1499	1319	0	1.77	33	63.9	39.7	34.0	
6-7 PM	914	0.0	1500	914	0	0.51	0	64.7	54.9	42.0	
7-8 PM	730	0.0	1500	730	0	0.49	0	65.0	55.5	42.7	
8-9 PM	630	0.0	1500	630	0	0.48	0	65.2	55.8	43.0	
9-10 PM	564	0.0	1500	564	0	0.48	0	65.3	56.0	43.3	
10-11 PM	436	0.0	1500	436	0	0.46	0	65.6	56.3	43.8	
11PM-MID	247	0.0	1500	247	0	0.45	0	66.0	56.9	44.5	

**\*----- 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	0.0084
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

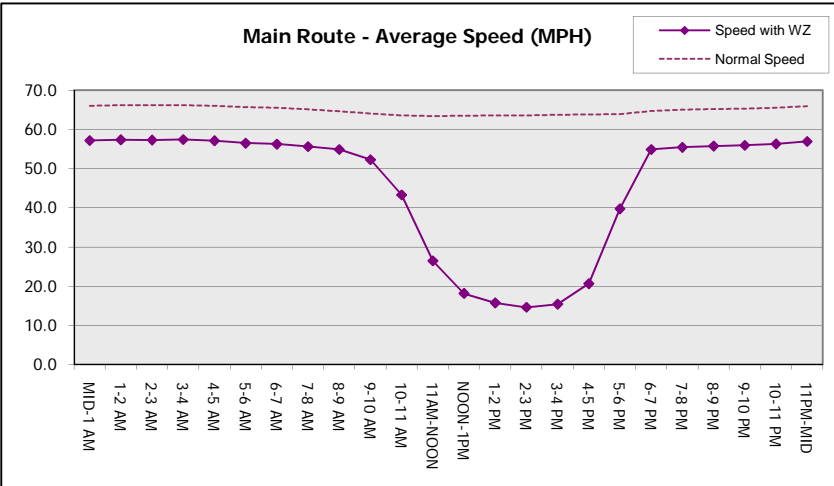
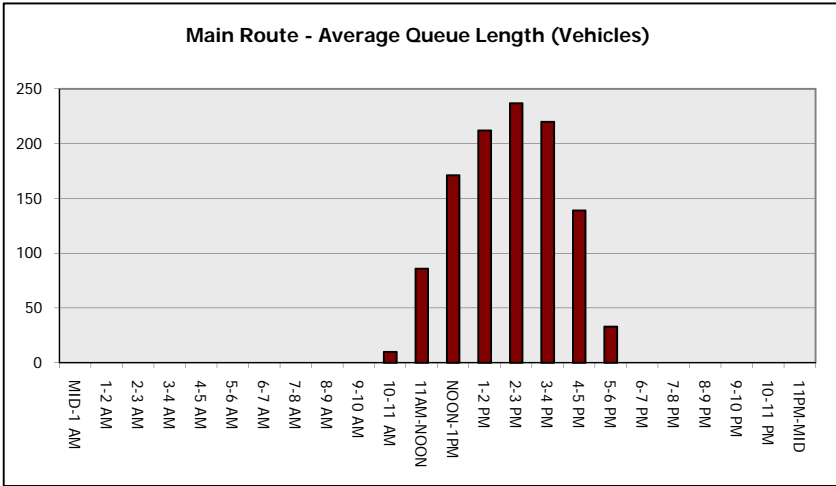
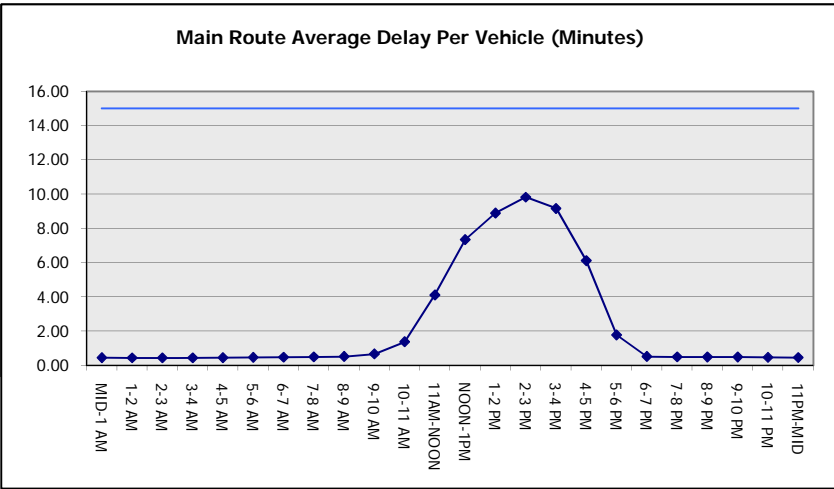
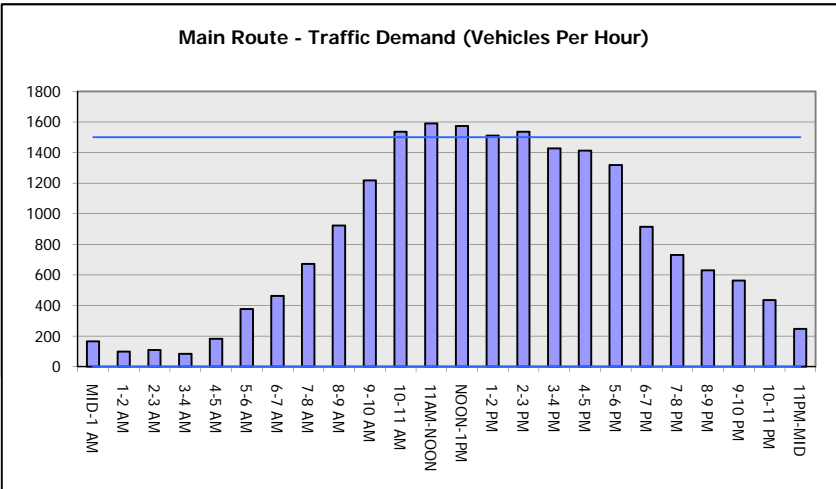
ROAD USER COSTS PER DAY	\$21,558
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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Construction Season

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



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	Analyzed for 2009 Construction Season

**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	326	0.0	1500	326	0	0.45	0	65.8	56.7	44.2
1-2 AM	175	0.0	1500	175	0	0.44	0	66.1	57.1	44.8
2-3 AM	153	0.0	1500	153	0	0.44	0	66.1	57.2	44.9
3-4 AM	121	0.0	1500	121	0	0.43	0	66.1	57.3	45.0
4-5 AM	124	0.0	1500	124	0	0.43	0	66.1	57.3	45.0
5-6 AM	229	0.0	1500	229	0	0.44	0	66.0	56.9	44.6
6-7 AM	488	0.0	1500	488	0	0.47	0	65.5	56.2	43.5
7-8 AM	609	0.0	1500	609	0	0.48	0	65.3	55.8	43.1
8-9 AM	964	0.0	1500	964	0	0.52	0	64.6	54.8	41.8
9-10 AM	1288	0.0	1499	1288	0	0.75	0	64.0	50.9	36.0
10-11 AM	1617	0.0	1499	1617	0	2.52	46	63.3	34.1	30.8
11AM-NOON	1680	0.0	1500	1680	0	8.34	205	63.3	16.5	30.8
NOON-1PM	1671	0.0	1500	1595	76	14.87+	375	63.3	10.8	30.8
1-2 PM	1531	0.0	1500	1515	15	16.03+	404	63.5	10.4	30.8
2-3 PM	1501	0.0	1499	1491	10	16.04+	405	63.6	10.4	30.8
3-4 PM	1375	0.0	1499	1375	0	13.70+	343	63.8	11.4	30.8
4-5 PM	1233	0.0	1499	1233	0	5.55	148	64.1	22.0	32.7
5-6 PM	1096	0.0	1500	1096	0	0.53	0	64.3	54.3	41.4
6-7 PM	1062	0.0	1500	1062	0	0.53	0	64.4	54.5	41.5
7-8 PM	823	0.0	1500	823	0	0.50	0	64.8	55.2	42.3
8-9 PM	720	0.0	1500	720	0	0.49	0	65.0	55.5	42.7
9-10 PM	638	0.0	1500	638	0	0.48	0	65.2	55.7	43.0
10-11 PM	672	0.0	1500	672	0	0.49	0	65.1	55.6	42.8
11PM-MID	527	0.0	1500	527	0	0.47	0	65.4	56.1	43.4

+ 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	0.0102
MAIN ROUTE WITH WORKS	0.0088
'DIVERSION'	0.0001

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,427
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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