

<b>USH 41: CTH B TO CTH M (BROWN COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  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	67	0.0	1500	67	0	0.43	0	66.3	57.5	45.2	
1-2 AM	54	0.0	1500	54	0	0.43	0	66.3	57.5	45.3	
2-3 AM	91	0.0	1500	91	0	0.43	0	66.2	57.4	45.1	
3-4 AM	122	0.0	1500	122	0	0.43	0	66.1	57.3	45.0	
4-5 AM	458	0.0	1500	458	0	0.47	0	65.5	56.3	43.7	
5-6 AM	1309	0.0	1499	1309	0	0.90	4	64.0	48.9	36.1	
6-7 AM	2283	0.0	1500	1822	461	10.50+	292	62.2	14.2	30.9	
7-8 AM	2528	0.0	1500	1514	1014	16.06+	409	60.6	10.3	30.8	
8-9 AM	1547	0.0	1500	1495	52	15.36+	387	63.5	10.6	30.8	
9-10 AM	1192	0.0	1499	1192	0	7.72	209	64.1	17.5	32.9	
10-11 AM	1099	0.0	1500	1099	0	0.60	2	64.3	53.2	41.1	
11AM-NOON	1007	0.0	1500	1007	0	0.52	0	64.5	54.6	41.7	
NOON-1PM	1017	0.0	1500	1017	0	0.52	0	64.5	54.6	41.6	
1-2 PM	1070	0.0	1500	1070	0	0.53	0	64.4	54.5	41.4	
2-3 PM	1086	0.0	1500	1086	0	0.53	0	64.3	54.4	41.4	
3-4 PM	1170	0.0	1500	1170	0	0.60	0	64.2	53.2	39.4	
4-5 PM	1317	0.0	1500	1317	0	0.79	0	63.9	50.3	35.0	
5-6 PM	1148	0.0	1500	1148	0	0.57	0	64.3	53.7	40.2	
6-7 PM	788	0.0	1500	788	0	0.50	0	64.9	55.3	42.4	
7-8 PM	515	0.0	1500	515	0	0.47	0	65.5	56.1	43.5	
8-9 PM	424	0.0	1500	424	0	0.46	0	65.6	56.4	43.8	
9-10 PM	344	0.0	1500	344	0	0.46	0	65.8	56.6	44.1	
10-11 PM	236	0.0	1500	236	0	0.45	0	66.0	56.9	44.5	
11PM-MID	120	0.0	1500	120	0	0.43	0	66.1	57.3	45.0	

+ 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	0.0104
MAIN ROUTE WITH WORKS	0.0083
'DIVERSION'	0.0017
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$22,618
CONGESTED HOURS PER DAY*	3

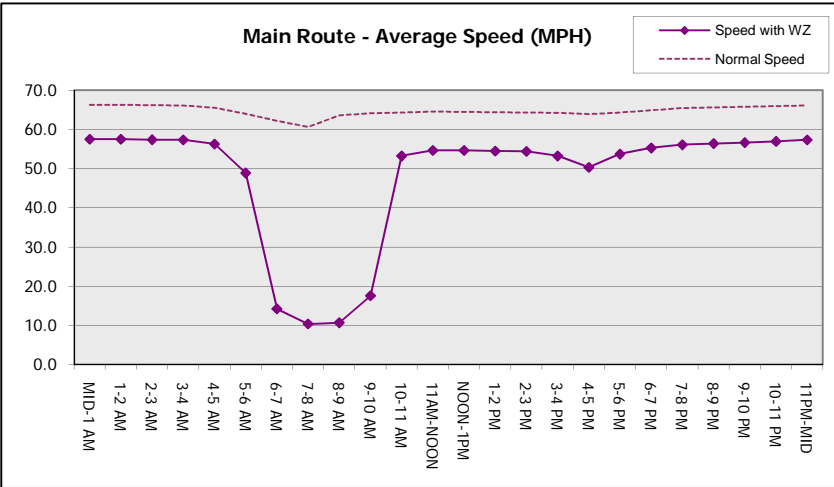
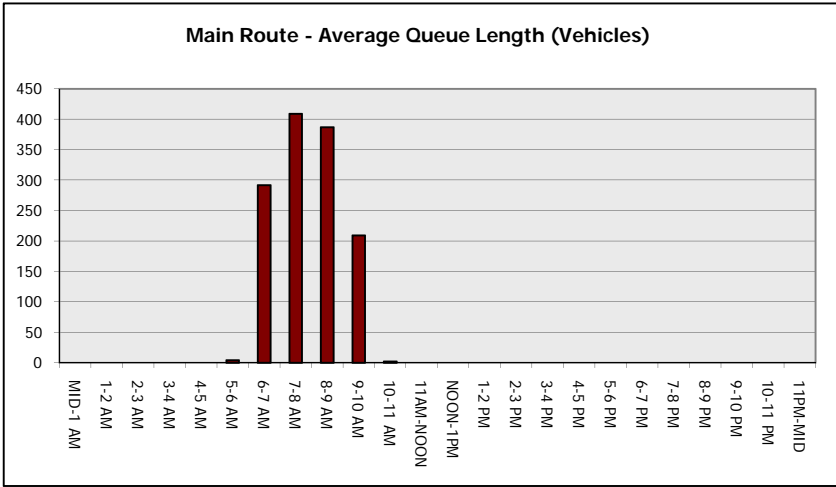
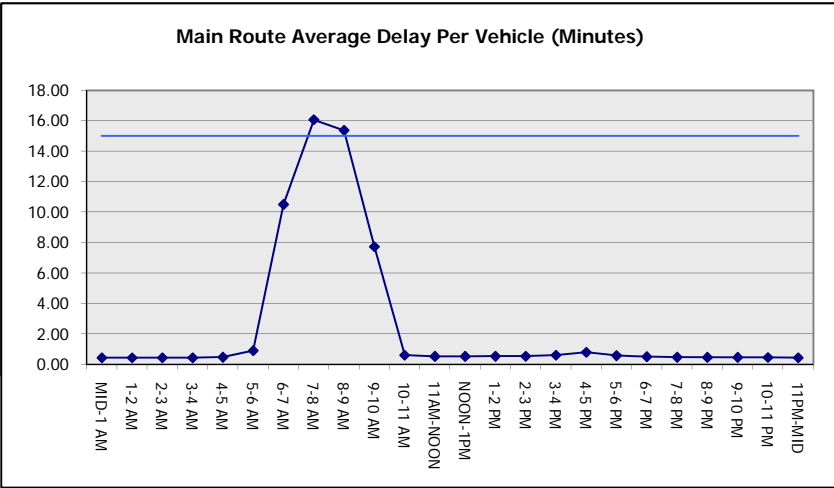
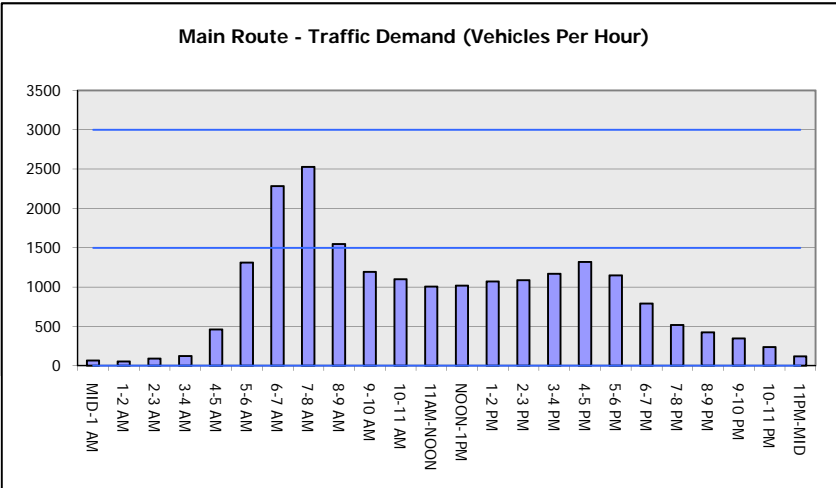
\*Delays Exceeding User-Specified Maximum

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**MAY**  
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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	127	0.0	1500	127	0	0.43	0	66.1	57.3	45.0
1-2 AM	77	0.0	1500	77	0	0.43	0	66.3	57.4	45.2
2-3 AM	78	0.0	1500	78	0	0.43	0	66.3	57.4	45.2
3-4 AM	110	0.0	1500	110	0	0.43	0	66.2	57.3	45.0
4-5 AM	157	0.0	1500	157	0	0.44	0	66.1	57.2	44.8
5-6 AM	306	0.0	1500	306	0	0.45	0	65.8	56.8	44.3
6-7 AM	715	0.0	1500	715	0	0.49	0	65.1	55.5	42.7
7-8 AM	829	0.0	1500	829	0	0.50	0	64.8	55.1	42.3
8-9 AM	774	0.0	1500	774	0	0.50	0	65.0	55.3	42.5
9-10 AM	729	0.0	1500	729	0	0.49	0	65.0	55.5	42.7
10-11 AM	812	0.0	1500	812	0	0.50	0	64.9	55.2	42.4
11AM-NOON	837	0.0	1500	837	0	0.50	0	64.8	55.1	42.2
NOON-1PM	987	0.0	1500	987	0	0.52	0	64.5	54.7	41.7
1-2 PM	1100	0.0	1500	1100	0	0.53	0	64.3	54.4	41.4
2-3 PM	1377	0.0	1499	1377	0	0.86	0	63.8	49.2	33.7
3-4 PM	1954	0.0	1499	1954	0	6.48	193	62.7	19.7	30.8
4-5 PM	2459	0.0	1499	1494	965	16.06+	408	61.3	10.3	30.8
5-6 PM	2322	0.0	1499	1497	825	16.08+	408	62.0	10.4	30.8
6-7 PM	1505	0.0	1499	1383	122	15.19+	382	63.6	10.7	30.8
7-8 PM	1044	0.0	1499	1044	0	3.51	135	64.5	29.1	37.2
8-9 PM	836	0.0	1500	836	0	0.50	0	64.8	55.1	42.3
9-10 PM	670	0.0	1500	670	0	0.49	0	65.1	55.6	42.8
10-11 PM	387	0.0	1500	387	0	0.46	0	65.6	56.5	44.0
11PM-MID	279	0.0	1500	279	0	0.45	0	65.9	56.8	44.3

+ 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	0.0101
MAIN ROUTE WITH WORKS	0.0079
'DIVERSION'	0.0022

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$26,175
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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

