

<b>USH 41: CTH B TO CTH M (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**

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	62	0.0	OFF	62	0	0.00	0	66.3	66.3	66.3	
1-2 AM	56	0.0	OFF	56	0	0.00	0	66.3	66.3	66.3	
2-3 AM	105	0.0	OFF	105	0	0.00	0	66.2	66.2	66.2	
3-4 AM	126	0.0	OFF	126	0	0.00	0	66.1	66.1	66.1	
4-5 AM	400	0.0	OFF	400	0	0.00	0	65.6	65.6	65.6	
5-6 AM	1103	0.0	OFF	1103	0	0.00	0	64.3	64.3	64.3	
6-7 AM	2105	0.0	OFF	2105	0	0.00	0	62.5	62.5	62.5	
7-8 AM	2333	0.0	OFF	2333	0	0.00	0	62.0	62.0	62.0	
8-9 AM	1547	0.0	OFF	1547	0	0.00	0	63.5	63.5	63.5	
9-10 AM	1310	0.0	OFF	1310	0	0.00	0	64.0	64.0	64.0	
10-11 AM	1239	0.0	1500	1239	0	0.69	0	64.1	51.8	37.3	
11AM-NOON	1179	0.0	1500	1179	0	0.61	0	64.2	53.0	39.1	
NOON-1PM	1199	0.0	1500	1199	0	0.64	0	64.1	52.6	38.5	
1-2 PM	1317	0.0	1500	1317	0	0.79	0	63.9	50.3	35.0	
2-3 PM	1272	0.0	1500	1272	0	0.73	0	64.0	51.2	36.3	
3-4 PM	1338	0.0	OFF	1338	0	0.00	0	63.9	63.9	63.9	
4-5 PM	1525	0.0	OFF	1525	0	0.00	0	63.5	63.5	63.5	
5-6 PM	1470	0.0	OFF	1470	0	0.00	0	63.7	63.7	63.7	
6-7 PM	1055	0.0	OFF	1055	0	0.00	0	64.4	64.4	64.4	
7-8 PM	752	0.0	OFF	752	0	0.00	0	65.0	65.0	65.0	
8-9 PM	504	0.0	OFF	504	0	0.00	0	65.5	65.5	65.5	
9-10 PM	421	0.0	OFF	421	0	0.00	0	65.6	65.6	65.6	
10-11 PM	322	0.0	OFF	322	0	0.00	0	65.8	65.8	65.8	
11PM-MID	183	0.0	OFF	183	0	0.00	0	66.1	66.1	66.1	

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

*----- 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

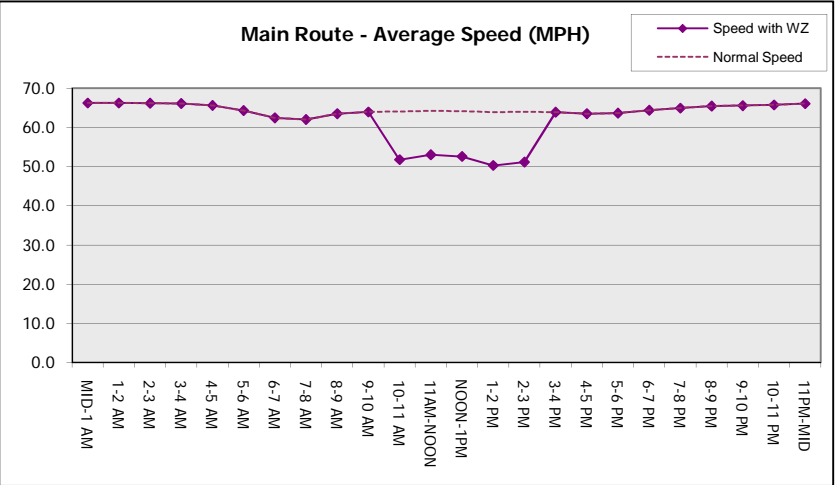
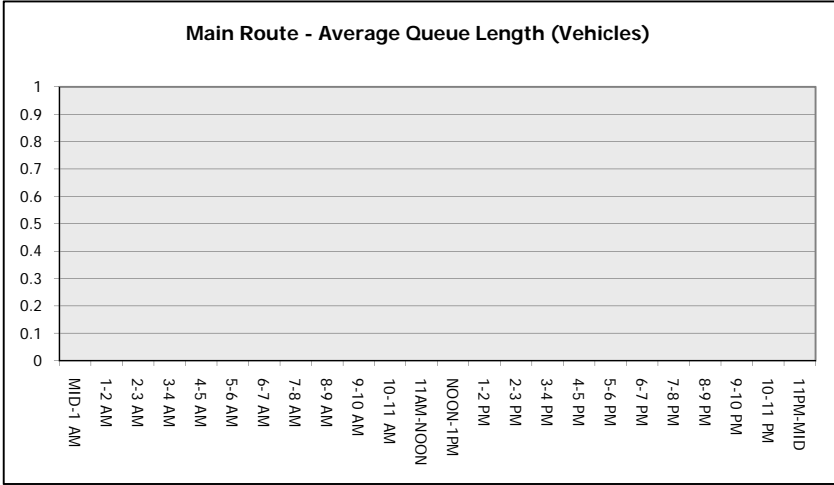
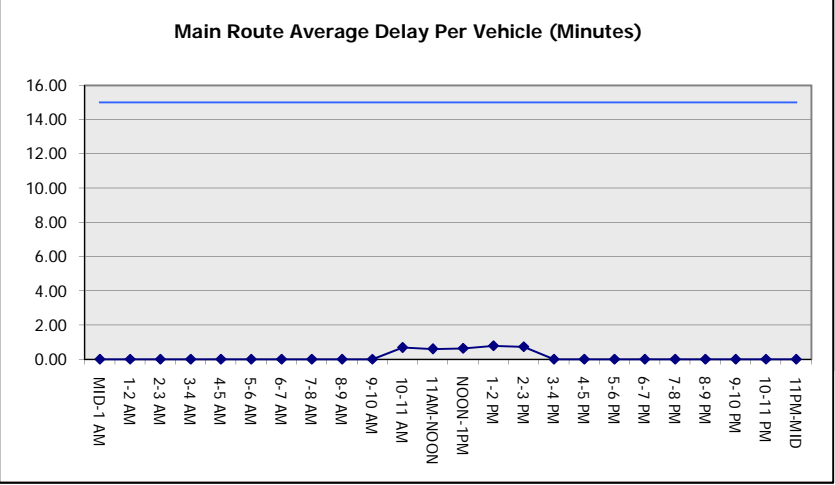
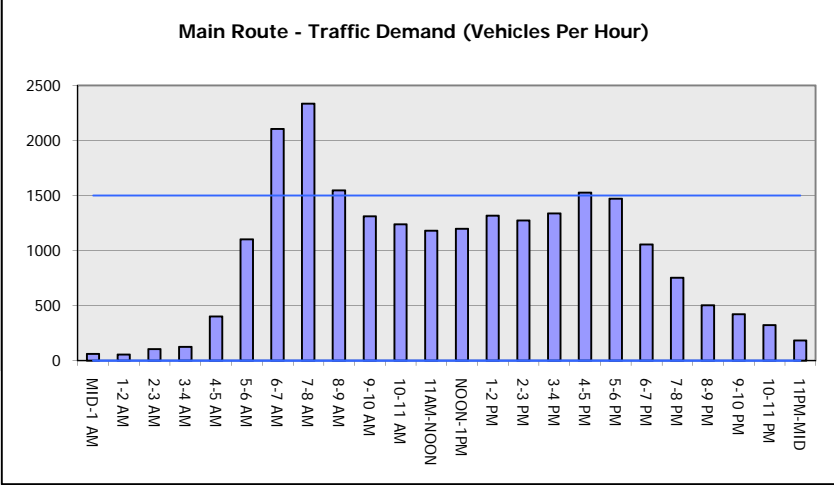
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0113
MAIN ROUTE WITH WORKS	0.0109
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$882
CONGESTED HOURS PER DAY*	0

\*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**  
**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	173	0.0	OFF	173	0	0.00	0	66.1	66.1	66.1
1-2 AM	128	0.0	OFF	128	0	0.00	0	66.1	66.1	66.1
2-3 AM	107	0.0	OFF	107	0	0.00	0	66.2	66.2	66.2
3-4 AM	122	0.0	OFF	122	0	0.00	0	66.1	66.1	66.1
4-5 AM	196	0.0	OFF	196	0	0.00	0	66.0	66.0	66.0
5-6 AM	296	0.0	OFF	296	0	0.00	0	65.8	65.8	65.8
6-7 AM	723	0.0	OFF	723	0	0.00	0	65.0	65.0	65.0
7-8 AM	865	0.0	OFF	865	0	0.00	0	64.8	64.8	64.8
8-9 AM	893	0.0	OFF	893	0	0.00	0	64.7	64.7	64.7
9-10 AM	965	0.0	OFF	965	0	0.00	0	64.6	64.6	64.6
10-11 AM	1167	0.0	1500	1167	0	0.59	0	64.2	53.3	39.6
11AM-NOON	1355	0.0	1499	1355	0	0.84	0	63.8	49.6	34.1
NOON-1PM	1570	0.0	1499	1570	0	1.68	20	63.5	40.3	30.8
1-2 PM	1822	0.0	1500	1822	0	8.11	214	63.0	16.8	30.8
2-3 PM	2077	0.0	1499	1501	576	16.09+	407	62.5	10.4	30.8
3-4 PM	2590	0.0	OFF	2590	0	1.04	54	60.0	44.9	44.9
4-5 PM	3125	0.0	OFF	3125	0	0.00	0	54.5	54.5	54.5
5-6 PM	2911	0.0	OFF	2911	0	0.00	0	56.7	56.7	56.7
6-7 PM	2157	0.0	OFF	2157	0	0.00	0	62.3	62.3	62.3
7-8 PM	1438	0.0	OFF	1438	0	0.00	0	63.7	63.7	63.7
8-9 PM	1180	0.0	OFF	1180	0	0.00	0	64.2	64.2	64.2
9-10 PM	923	0.0	OFF	923	0	0.00	0	64.6	64.6	64.6
10-11 PM	669	0.0	OFF	669	0	0.00	0	65.1	65.1	65.1
11PM-MID	501	0.0	OFF	501	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	0.0138
MAIN ROUTE WITH WORKS	0.0130
'DIVERSION'	0.0007

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$11,325
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

