

<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>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	OFF	166	0	0.00	0	66.1	66.1	66.1	
1-2 AM	83	0.0	OFF	83	0	0.00	0	66.2	66.2	66.2	
2-3 AM	87	0.0	OFF	87	0	0.00	0	66.2	66.2	66.2	
3-4 AM	76	0.0	OFF	76	0	0.00	0	66.3	66.3	66.3	
4-5 AM	117	0.0	OFF	117	0	0.00	0	66.1	66.1	66.1	
5-6 AM	242	0.0	OFF	242	0	0.00	0	66.0	66.0	66.0	
6-7 AM	278	0.0	OFF	278	0	0.00	0	65.9	65.9	65.9	
7-8 AM	410	0.0	OFF	410	0	0.00	0	65.6	65.6	65.6	
8-9 AM	745	0.0	OFF	745	0	0.00	0	65.0	65.0	65.0	
9-10 AM	1258	0.0	1499	1258	0	0.70	0	64.0	51.5	37.0	
10-11 AM	1679	0.0	1499	1679	0	2.79	60	63.3	32.4	30.8	
11AM-NOON	2184	0.0	1500	1794	390	14.27+	367	62.3	11.2	30.8	
NOON-1PM	2397	0.0	1499	1492	906	16.10+	408	61.9	10.3	30.8	
1-2 PM	2312	0.0	1499	1496	816	16.08+	408	62.1	10.4	30.8	
2-3 PM	2283	0.0	1499	1497	786	16.08+	408	62.2	10.4	30.8	
3-4 PM	2311	0.0	1499	1497	814	16.08+	408	62.1	10.4	30.8	
4-5 PM	2144	0.0	1499	1498	646	16.09+	407	62.4	10.4	30.8	
5-6 PM	1988	0.0	1499	1495	493	16.09+	407	62.7	10.4	30.8	
6-7 PM	1561	0.0	1499	1436	125	15.65+	394	63.5	10.5	30.8	
7-8 PM	1246	0.0	OFF	1246	0	0.43	26	64.1	55.7	55.7	
8-9 PM	906	0.0	OFF	906	0	0.00	0	64.7	64.7	64.7	
9-10 PM	558	0.0	OFF	558	0	0.00	0	65.3	65.3	65.3	
10-11 PM	336	0.0	OFF	336	0	0.00	0	65.8	65.8	65.8	
11PM-MID	148	0.0	OFF	148	0	0.00	0	66.1	66.1	66.1	

"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	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

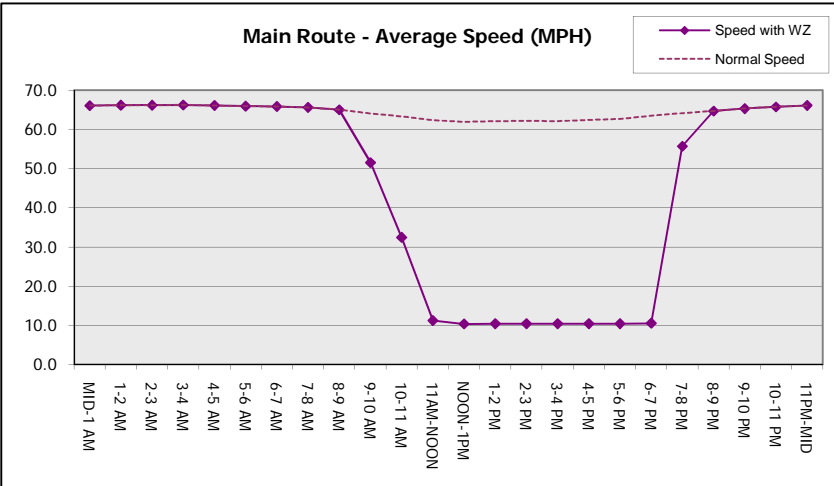
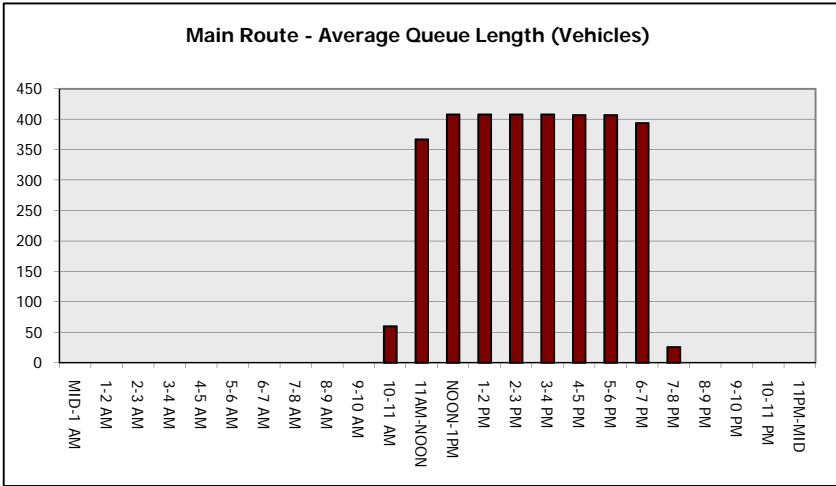
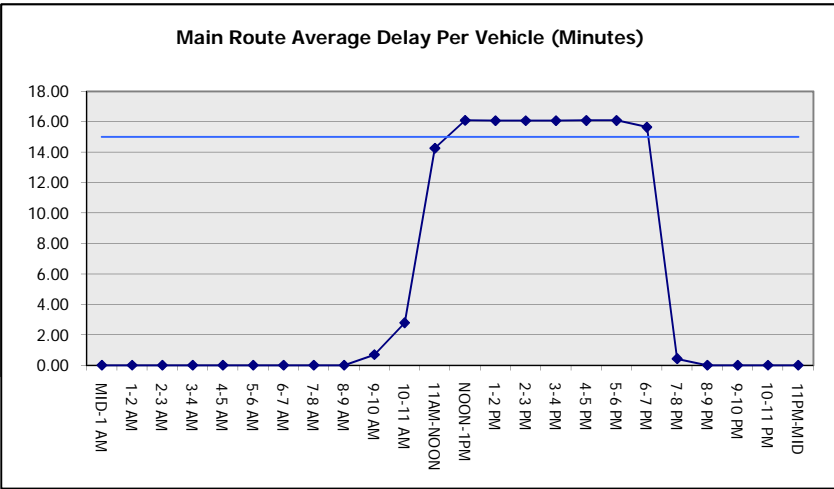
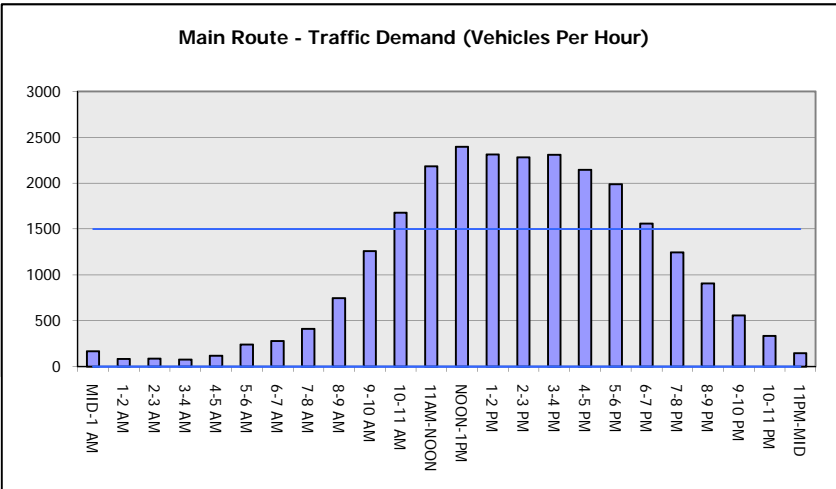
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0126
MAIN ROUTE WITH WORKS	0.0091
'DIVERSION'	0.0057
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$76,622
CONGESTED HOURS PER DAY*	8

\*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**  
**SUNDAY SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	240	0.0	OFF	240	0	0.00	0	66.0	66.0	66.0
1-2 AM	144	0.0	OFF	144	0	0.00	0	66.1	66.1	66.1
2-3 AM	116	0.0	OFF	116	0	0.00	0	66.2	66.2	66.2
3-4 AM	76	0.0	OFF	76	0	0.00	0	66.3	66.3	66.3
4-5 AM	64	0.0	OFF	64	0	0.00	0	66.3	66.3	66.3
5-6 AM	107	0.0	OFF	107	0	0.00	0	66.2	66.2	66.2
6-7 AM	236	0.0	OFF	236	0	0.00	0	66.0	66.0	66.0
7-8 AM	296	0.0	OFF	296	0	0.00	0	65.8	65.8	65.8
8-9 AM	436	0.0	OFF	436	0	0.00	0	65.6	65.6	65.6
9-10 AM	694	0.0	1500	694	0	0.49	0	65.1	55.6	42.8
10-11 AM	1014	0.0	1500	1014	0	0.52	0	64.5	54.6	41.6
11AM-NOON	1240	0.0	1500	1240	0	0.69	0	64.1	51.8	37.2
NOON-1PM	1329	0.0	1500	1329	0	0.80	0	63.9	50.1	34.7
1-2 PM	1361	0.0	1500	1361	0	0.84	0	63.8	49.5	33.9
2-3 PM	1339	0.0	1500	1339	0	0.82	0	63.9	49.9	34.5
3-4 PM	1366	0.0	1500	1366	0	0.85	0	63.8	49.4	33.8
4-5 PM	1292	0.0	1500	1292	0	0.76	0	64.0	50.8	35.7
5-6 PM	1185	0.0	1500	1185	0	0.62	0	64.1	52.9	38.9
6-7 PM	1024	0.0	1500	1024	0	0.52	0	64.5	54.6	41.6
7-8 PM	785	0.0	OFF	785	0	0.00	0	64.9	64.9	64.9
8-9 PM	622	0.0	OFF	622	0	0.00	0	65.2	65.2	65.2
9-10 PM	420	0.0	OFF	420	0	0.00	0	65.6	65.6	65.6
10-11 PM	314	0.0	OFF	314	0	0.00	0	65.8	65.8	65.8
11PM-MID	208	0.0	OFF	208	0	0.00	0	66.0	66.0	66.0

"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	0.0078
MAIN ROUTE WITH WORKS	0.0071
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,327
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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