

USH 41: CTH B TO CTH M (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	90	0.0	OFF	90	0	0.00	0	66.2	66.2	66.2	
1-2 AM	66	0.0	OFF	66	0	0.00	0	66.3	66.3	66.3	
2-3 AM	96	0.0	OFF	96	0	0.00	0	66.2	66.2	66.2	
3-4 AM	139	0.0	OFF	139	0	0.00	0	66.1	66.1	66.1	
4-5 AM	466	0.0	OFF	466	0	0.00	0	65.5	65.5	65.5	
5-6 AM	1285	0.0	OFF	1285	0	0.00	0	64.0	64.0	64.0	
6-7 AM	2151	0.0	OFF	2151	0	0.00	0	62.3	62.3	62.3	
7-8 AM	2330	0.0	OFF	2330	0	0.00	0	62.0	62.0	62.0	
8-9 AM	1509	0.0	OFF	1509	0	0.00	0	63.6	63.6	63.6	
9-10 AM	1282	0.0	OFF	1282	0	0.00	0	64.0	64.0	64.0	
10-11 AM	1326	0.0	1500	1326	0	0.80	0	63.9	50.1	34.8	
11AM-NOON	1297	0.0	1500	1297	0	0.76	0	64.0	50.7	35.6	
NOON-1PM	1285	0.0	1500	1285	0	0.75	0	64.0	50.9	36.0	
1-2 PM	1348	0.0	1500	1348	0	0.83	0	63.9	49.7	34.2	
2-3 PM	1352	0.0	1500	1352	0	0.83	0	63.8	49.6	34.2	
3-4 PM	1336	0.0	OFF	1336	0	0.00	0	63.9	63.9	63.9	
4-5 PM	1385	0.0	OFF	1385	0	0.00	0	63.8	63.8	63.8	
5-6 PM	1325	0.0	OFF	1325	0	0.00	0	63.9	63.9	63.9	
6-7 PM	893	0.0	OFF	893	0	0.00	0	64.7	64.7	64.7	
7-8 PM	633	0.0	OFF	633	0	0.00	0	65.2	65.2	65.2	
8-9 PM	536	0.0	OFF	536	0	0.00	0	65.4	65.4	65.4	
9-10 PM	422	0.0	OFF	422	0	0.00	0	65.6	65.6	65.6	
10-11 PM	291	0.0	OFF	291	0	0.00	0	65.8	65.8	65.8	
11PM-MID	138	0.0	OFF	138	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

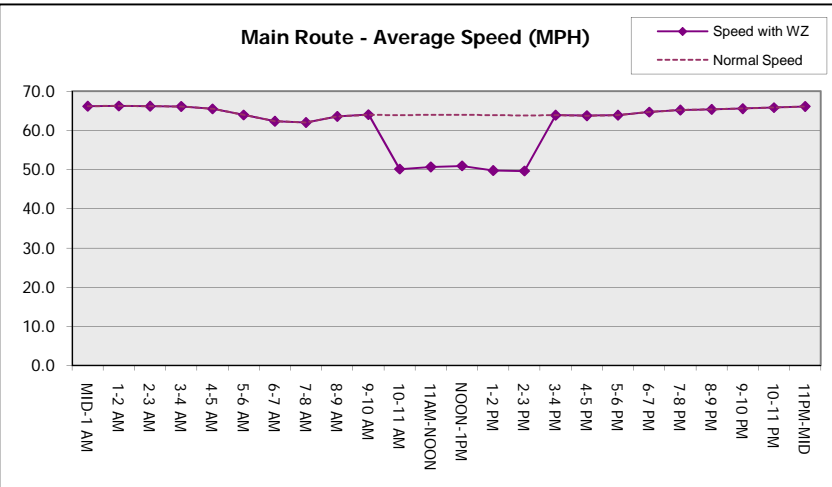
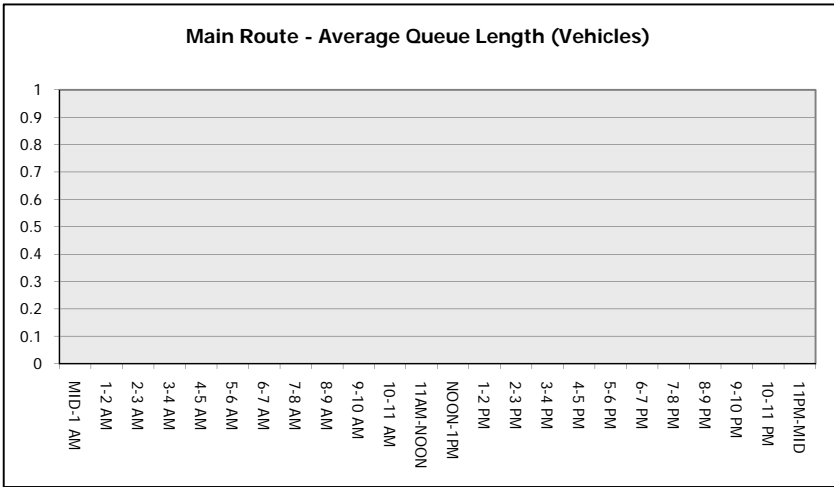
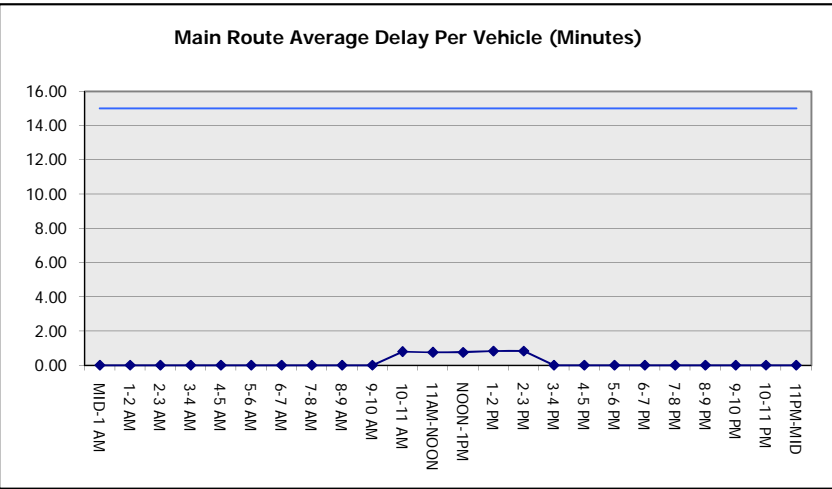
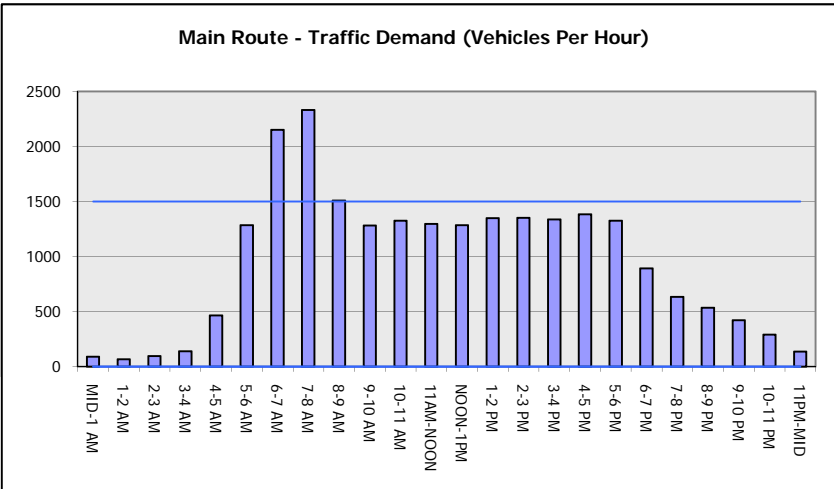
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0113
MAIN ROUTE WITH WORKS	0.0109
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,106
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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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	183	0.0	OFF	183	0	0.00	0	66.1	66.1	66.1
1-2 AM	109	0.0	OFF	109	0	0.00	0	66.2	66.2	66.2
2-3 AM	104	0.0	OFF	104	0	0.00	0	66.2	66.2	66.2
3-4 AM	113	0.0	OFF	113	0	0.00	0	66.2	66.2	66.2
4-5 AM	163	0.0	OFF	163	0	0.00	0	66.1	66.1	66.1
5-6 AM	352	0.0	OFF	352	0	0.00	0	65.7	65.7	65.7
6-7 AM	736	0.0	OFF	736	0	0.00	0	65.0	65.0	65.0
7-8 AM	811	0.0	OFF	811	0	0.00	0	64.9	64.9	64.9
8-9 AM	827	0.0	OFF	827	0	0.00	0	64.8	64.8	64.8
9-10 AM	869	0.0	OFF	869	0	0.00	0	64.8	64.8	64.8
10-11 AM	988	0.0	1500	988	0	0.52	0	64.5	54.7	41.7
11AM-NOON	1056	0.0	1500	1056	0	0.52	0	64.4	54.5	41.5
NOON-1PM	1139	0.0	1500	1139	0	0.56	0	64.3	53.8	40.5
1-2 PM	1289	0.0	1499	1289	0	0.75	0	64.0	50.9	35.8
2-3 PM	1518	0.0	1499	1518	0	1.41	13	63.5	42.9	31.5
3-4 PM	2013	0.0	OFF	2013	0	0.02	0	62.7	62.3	62.3
4-5 PM	2579	0.0	OFF	2579	0	0.00	0	60.1	60.1	60.1
5-6 PM	2463	0.0	OFF	2463	0	0.00	0	61.3	61.3	61.3
6-7 PM	1625	0.0	OFF	1625	0	0.00	0	63.3	63.3	63.3
7-8 PM	1106	0.0	OFF	1106	0	0.00	0	64.3	64.3	64.3
8-9 PM	935	0.0	OFF	935	0	0.00	0	64.6	64.6	64.6
9-10 PM	732	0.0	OFF	732	0	0.00	0	65.0	65.0	65.0
10-11 PM	466	0.0	OFF	466	0	0.00	0	65.5	65.5	65.5
11PM-MID	317	0.0	OFF	317	0	0.00	0	65.8	65.8	65.8

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

----- 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	0.0111
MAIN ROUTE WITH WORKS	0.0107
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,021
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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