

USH 41: CTH B TO CTH M (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	112	0.0	OFF	112	0	0.00	0	66.2	66.2	66.2	
1-2 AM	85	0.0	OFF	85	0	0.00	0	66.2	66.2	66.2	
2-3 AM	79	0.0	OFF	79	0	0.00	0	66.3	66.3	66.3	
3-4 AM	63	0.0	OFF	63	0	0.00	0	66.3	66.3	66.3	
4-5 AM	116	0.0	OFF	116	0	0.00	0	66.2	66.2	66.2	
5-6 AM	270	0.0	OFF	270	0	0.00	0	65.9	65.9	65.9	
6-7 AM	302	0.0	OFF	302	0	0.00	0	65.8	65.8	65.8	
7-8 AM	452	0.0	OFF	452	0	0.00	0	65.5	65.5	65.5	
8-9 AM	872	0.0	OFF	872	0	0.00	0	64.8	64.8	64.8	
9-10 AM	1337	0.0	1499	1337	0	0.81	0	63.9	50.0	34.7	
10-11 AM	1714	0.0	1499	1714	0	3.83	91	63.2	27.4	30.8	
11AM-NOON	1845	0.0	1500	1661	185	13.70+	350	63.0	11.5	30.8	
NOON-1PM	1918	0.0	1500	1502	416	16.10+	407	62.8	10.4	30.8	
1-2 PM	1929	0.0	1500	1502	427	16.10+	407	62.8	10.4	30.8	
2-3 PM	1896	0.0	1500	1501	394	16.10+	407	62.8	10.4	30.8	
3-4 PM	1834	0.0	1500	1501	333	16.11+	407	63.0	10.4	30.8	
4-5 PM	1913	0.0	1500	1501	412	16.10+	407	62.8	10.4	30.8	
5-6 PM	1686	0.0	1500	1525	161	16.00+	404	63.2	10.4	30.8	
6-7 PM	1245	0.0	1499	1245	0	11.78+	304	64.1	12.9	31.5	
7-8 PM	865	0.0	OFF	865	0	0.07	3	64.8	63.3	63.3	
8-9 PM	664	0.0	OFF	664	0	0.00	0	65.1	65.1	65.1	
9-10 PM	413	0.0	OFF	413	0	0.00	0	65.6	65.6	65.6	
10-11 PM	236	0.0	OFF	236	0	0.00	0	66.0	66.0	66.0	
11PM-MID	82	0.0	OFF	82	0	0.00	0	66.3	66.3	66.3	

"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

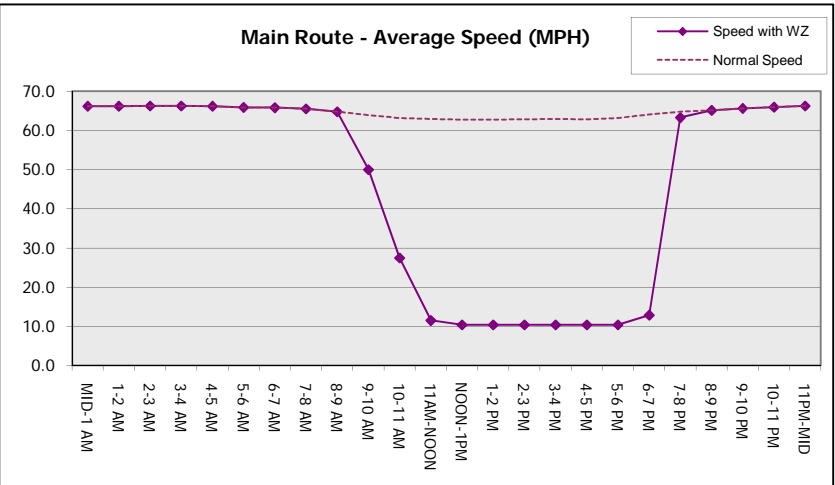
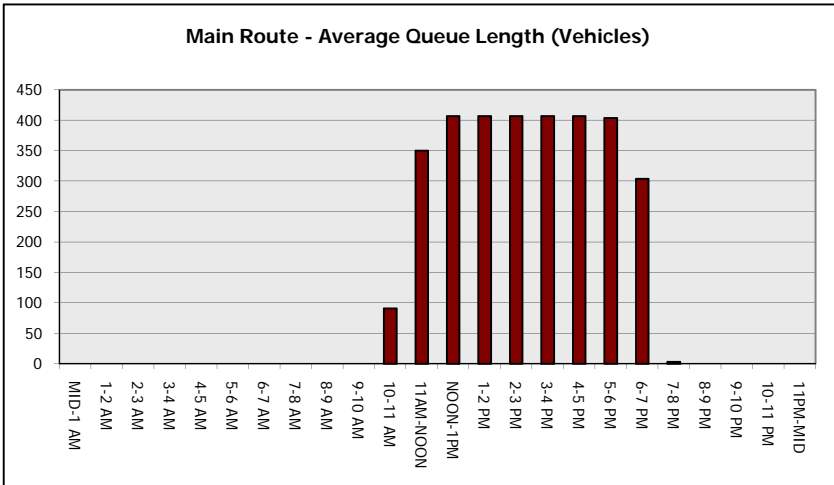
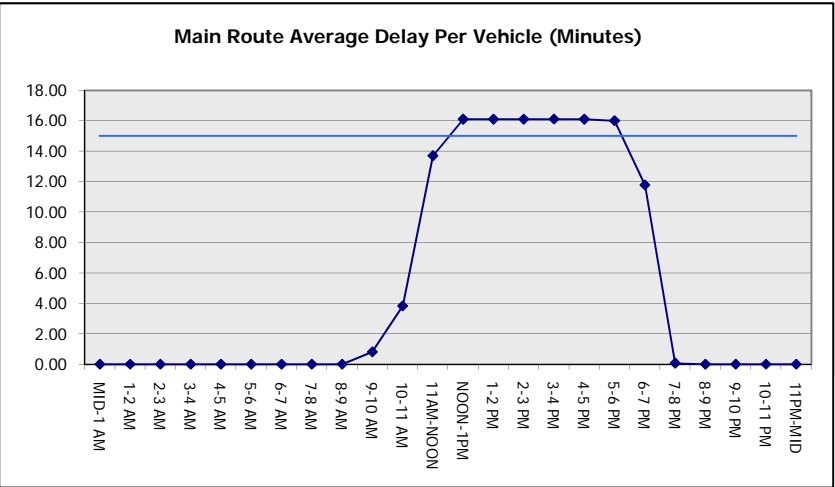
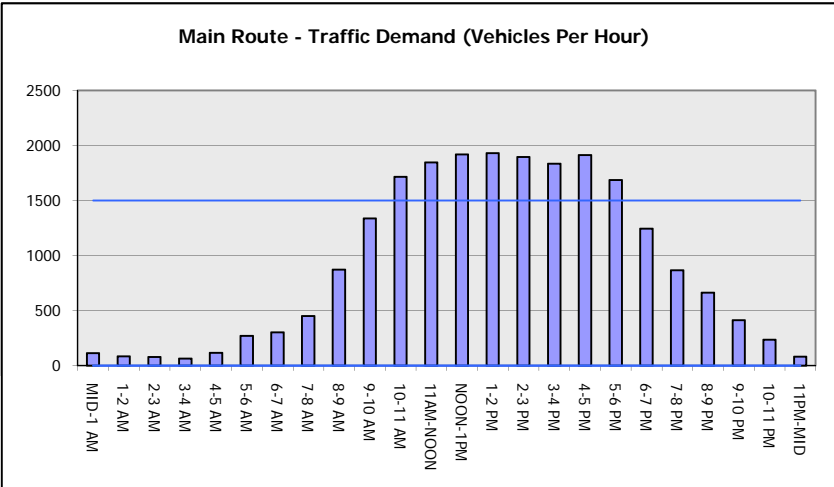
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0108
MAIN ROUTE WITH WORKS	0.0087
'DIVERSION'	0.0027
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$63,897
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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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	222	0.0	OFF	222	0	0.00	0	66.0	66.0	66.0
1-2 AM	119	0.0	OFF	119	0	0.00	0	66.1	66.1	66.1
2-3 AM	139	0.0	OFF	139	0	0.00	0	66.1	66.1	66.1
3-4 AM	69	0.0	OFF	69	0	0.00	0	66.3	66.3	66.3
4-5 AM	72	0.0	OFF	72	0	0.00	0	66.3	66.3	66.3
5-6 AM	128	0.0	OFF	128	0	0.00	0	66.1	66.1	66.1
6-7 AM	265	0.0	OFF	265	0	0.00	0	65.9	65.9	65.9
7-8 AM	314	0.0	OFF	314	0	0.00	0	65.8	65.8	65.8
8-9 AM	499	0.0	OFF	499	0	0.00	0	65.5	65.5	65.5
9-10 AM	681	0.0	1500	681	0	0.49	0	65.1	55.6	42.8
10-11 AM	955	0.0	1500	955	0	0.51	0	64.6	54.8	41.9
11AM-NOON	1020	0.0	1500	1020	0	0.52	0	64.5	54.6	41.6
NOON-1PM	1254	0.0	1500	1254	0	0.71	0	64.0	51.5	36.8
1-2 PM	1199	0.0	1500	1199	0	0.64	0	64.1	52.6	38.5
2-3 PM	1243	0.0	1500	1243	0	0.69	0	64.1	51.7	37.1
3-4 PM	1277	0.0	1500	1277	0	0.74	0	64.0	51.0	36.1
4-5 PM	1293	0.0	1500	1293	0	0.76	0	64.0	50.7	35.7
5-6 PM	1090	0.0	1500	1090	0	0.53	0	64.3	54.4	41.4
6-7 PM	1016	0.0	1500	1016	0	0.52	0	64.5	54.6	41.6
7-8 PM	788	0.0	OFF	788	0	0.00	0	64.9	64.9	64.9
8-9 PM	553	0.0	OFF	553	0	0.00	0	65.3	65.3	65.3
9-10 PM	353	0.0	OFF	353	0	0.00	0	65.7	65.7	65.7
10-11 PM	256	0.0	OFF	256	0	0.00	0	65.9	65.9	65.9
11PM-MID	155	0.0	OFF	155	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	0.0074
MAIN ROUTE WITH WORKS	0.0067
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,939
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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