

USH 41: CTH B TO CTH M (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	1500	62	0	0.43	0	66.3	57.5	45.3
1-2 AM	56	0.0	1500	56	0	0.43	0	66.3	57.5	45.3
2-3 AM	105	0.0	1500	105	0	0.43	0	66.2	57.4	45.1
3-4 AM	126	0.0	1500	126	0	0.43	0	66.1	57.3	45.0
4-5 AM	400	0.0	1500	400	0	0.46	0	65.6	56.4	43.9
5-6 AM	1103	0.0	1499	1103	0	0.64	0	64.3	52.7	38.6
6-7 AM	2105	0.0	1499	1976	129	8.18+	241	62.5	17.0	30.8
7-8 AM	2333	0.0	1500	1493	840	16.09+	408	62.0	10.3	30.8
8-9 AM	1547	0.0	1499	1371	176	14.91+	375	63.5	10.7	30.8
9-10 AM	1310	0.0	1499	1310	0	10.17	254	64.0	14.2	30.8
10-11 AM	1239	0.0	1499	1239	0	1.90	45	64.1	38.7	35.5
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	1499	1338	0	0.81	0	63.9	49.9	34.5
4-5 PM	1525	0.0	1499	1525	0	1.33	8	63.5	43.7	30.8
5-6 PM	1470	0.0	1499	1470	0	1.89	25	63.7	38.6	31.4
6-7 PM	1055	0.0	1500	1055	0	0.52	0	64.4	54.5	41.5
7-8 PM	752	0.0	1500	752	0	0.50	0	65.0	55.4	42.5
8-9 PM	504	0.0	1500	504	0	0.47	0	65.5	56.1	43.5
9-10 PM	421	0.0	1500	421	0	0.46	0	65.6	56.4	43.8
10-11 PM	322	0.0	1500	322	0	0.45	0	65.8	56.7	44.2
11PM-MID	183	0.0	1500	183	0	0.44	0	66.1	57.1	44.8

+ 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

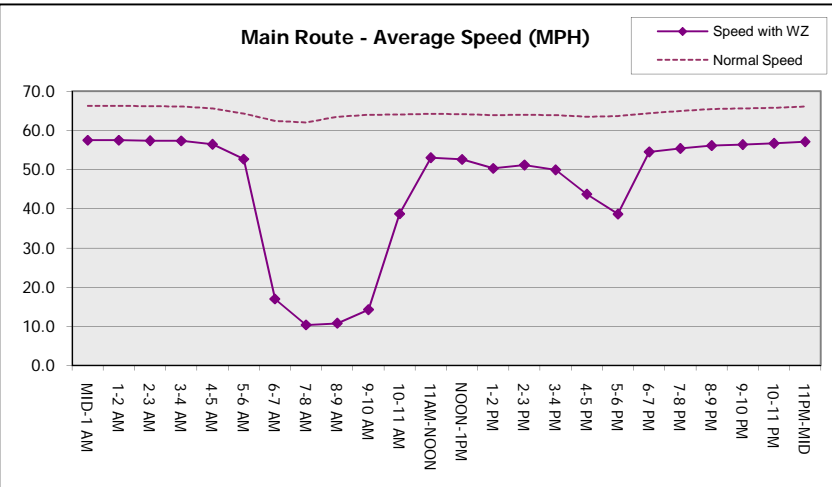
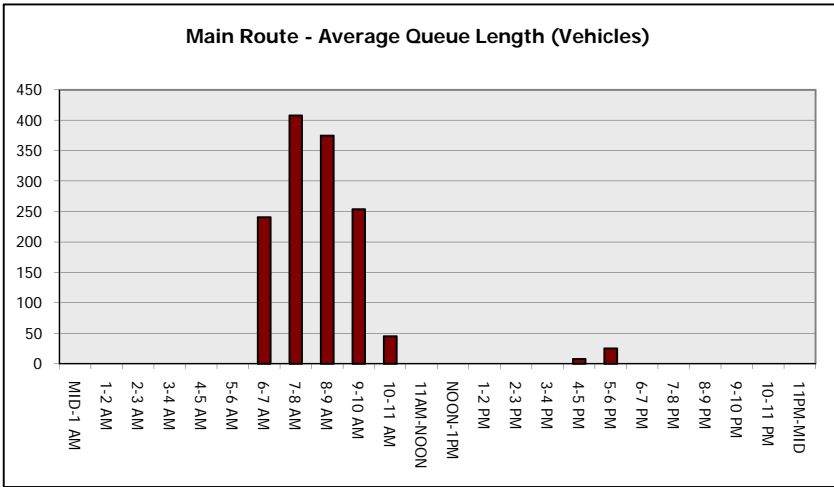
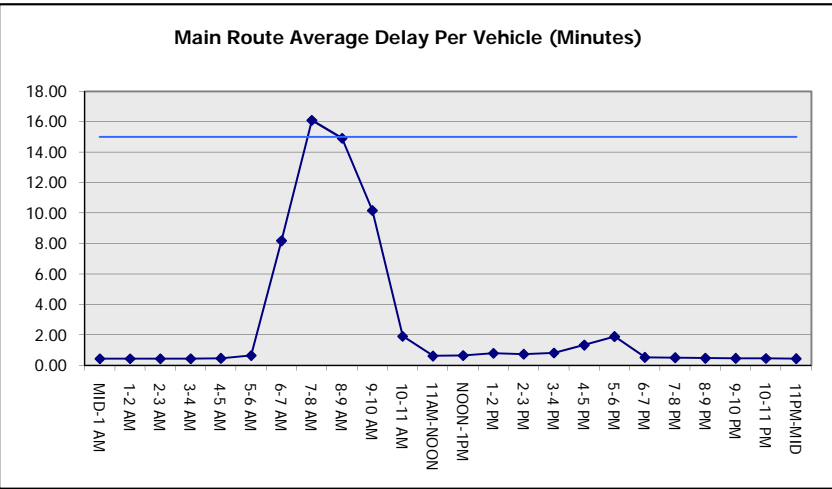
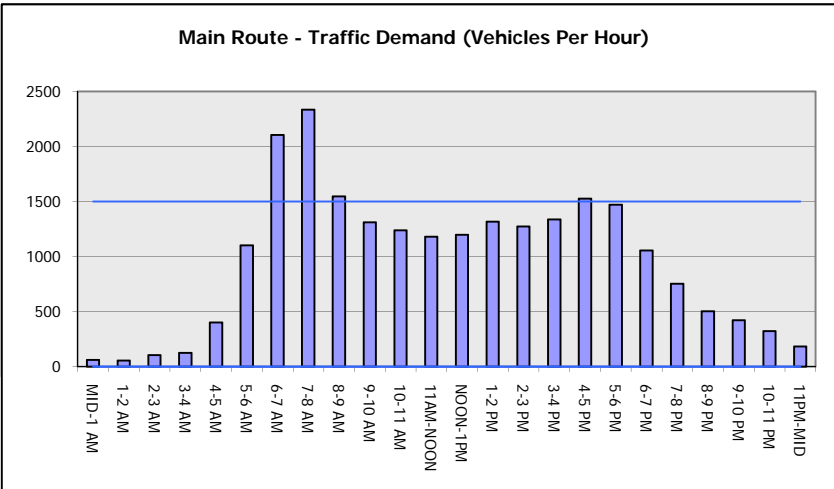
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0113
MAIN ROUTE WITH WORKS	0.0093
'DIVERSION'	0.0013
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$23,689
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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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	1500	173	0	0.44	0	66.1	57.1	44.8
1-2 AM	128	0.0	1500	128	0	0.43	0	66.1	57.3	45.0
2-3 AM	107	0.0	1500	107	0	0.43	0	66.2	57.3	45.1
3-4 AM	122	0.0	1500	122	0	0.43	0	66.1	57.3	45.0
4-5 AM	196	0.0	1500	196	0	0.44	0	66.0	57.1	44.7
5-6 AM	296	0.0	1500	296	0	0.45	0	65.8	56.8	44.3
6-7 AM	723	0.0	1500	723	0	0.49	0	65.0	55.5	42.7
7-8 AM	865	0.0	1500	865	0	0.51	0	64.8	55.1	42.2
8-9 AM	893	0.0	1500	893	0	0.51	0	64.7	55.0	42.0
9-10 AM	965	0.0	1500	965	0	0.52	0	64.6	54.8	41.8
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	1500	1504	1086	15.98+	408	60.0	10.3	30.8
4-5 PM	3125	0.0	1500	1505	1620	15.78+	412	54.5	10.3	30.8
5-6 PM	2911	0.0	1500	1504	1407	15.87+	410	56.7	10.3	30.8
6-7 PM	2157	0.0	1500	1500	657	16.08+	407	62.3	10.4	30.8
7-8 PM	1438	0.0	1500	1408	30	15.20+	383	63.7	10.7	30.8
8-9 PM	1180	0.0	1499	1180	0	5.84	169	64.2	21.3	33.7
9-10 PM	923	0.0	1500	923	0	0.51	0	64.6	54.9	42.0
10-11 PM	669	0.0	1500	669	0	0.49	0	65.1	55.6	42.8
11PM-MID	501	0.0	1500	501	0	0.47	0	65.5	56.1	43.5

+ 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	0.0096
'DIVERSION'	0.0061

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$57,552
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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