

USH 41: CTH B TO CTH M (BROWN COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	121	0.0	1500	121	0	0.43	0	66.1	57.3	45.0	
1-2 AM	76	0.0	1500	76	0	0.43	0	66.3	57.4	45.2	
2-3 AM	111	0.0	1500	111	0	0.43	0	66.2	57.3	45.0	
3-4 AM	140	0.0	1500	140	0	0.44	0	66.1	57.3	44.9	
4-5 AM	416	0.0	1500	416	0	0.46	0	65.6	56.4	43.8	
5-6 AM	1098	0.0	OFF	1098	0	0.00	0	64.3	64.3	64.3	
6-7 AM	1894	0.0	OFF	1894	0	0.00	0	62.8	62.8	62.8	
7-8 AM	2093	0.0	OFF	2093	0	0.00	0	62.5	62.5	62.5	
8-9 AM	1433	0.0	OFF	1433	0	0.00	0	63.7	63.7	63.7	
9-10 AM	1355	0.0	OFF	1355	0	0.00	0	63.8	63.8	63.8	
10-11 AM	1430	0.0	OFF	1430	0	0.00	0	63.7	63.7	63.7	
11AM-NOON	1481	0.0	OFF	1481	0	0.00	0	63.7	63.7	63.7	
NOON-1PM	1458	0.0	OFF	1458	0	0.00	0	63.7	63.7	63.7	
1-2 PM	1483	0.0	OFF	1483	0	0.00	0	63.7	63.7	63.7	
2-3 PM	1516	0.0	OFF	1516	0	0.00	0	63.6	63.6	63.6	
3-4 PM	1454	0.0	OFF	1454	0	0.00	0	63.7	63.7	63.7	
4-5 PM	1466	0.0	OFF	1466	0	0.00	0	63.7	63.7	63.7	
5-6 PM	1451	0.0	OFF	1451	0	0.00	0	63.7	63.7	63.7	
6-7 PM	1131	0.0	OFF	1131	0	0.00	0	64.3	64.3	64.3	
7-8 PM	757	0.0	1500	757	0	0.50	0	65.0	55.4	42.5	
8-9 PM	603	0.0	1500	603	0	0.48	0	65.3	55.8	43.1	
9-10 PM	465	0.0	1500	465	0	0.47	0	65.5	56.3	43.7	
10-11 PM	350	0.0	1500	350	0	0.46	0	65.8	56.6	44.1	
11PM-MID	200	0.0	1500	200	0	0.44	0	66.0	57.1	44.7	

"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

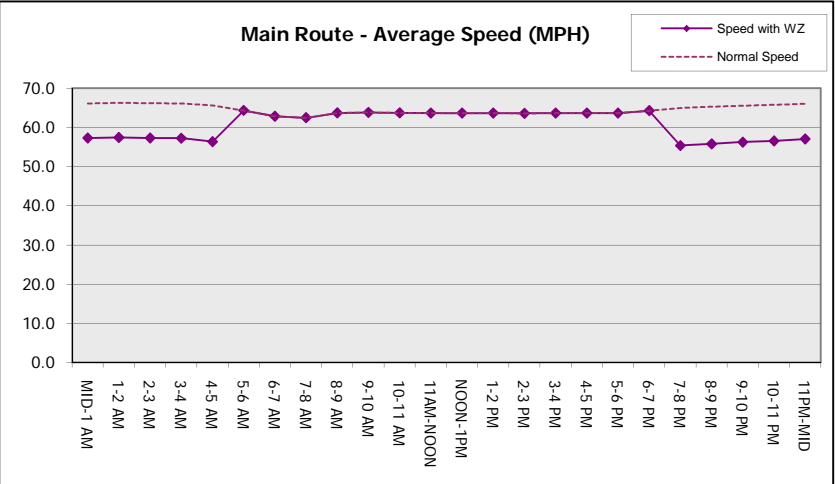
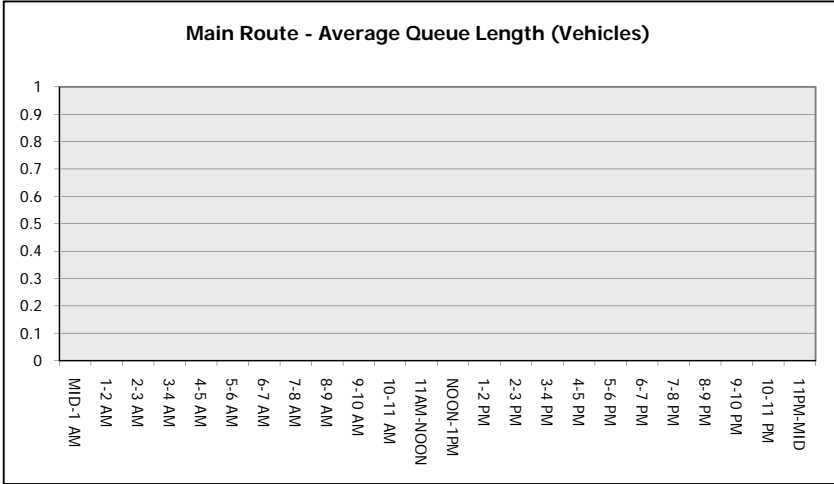
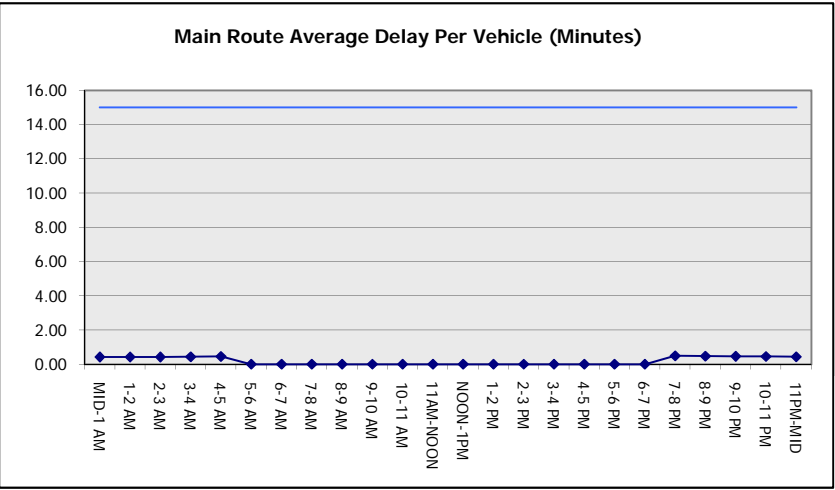
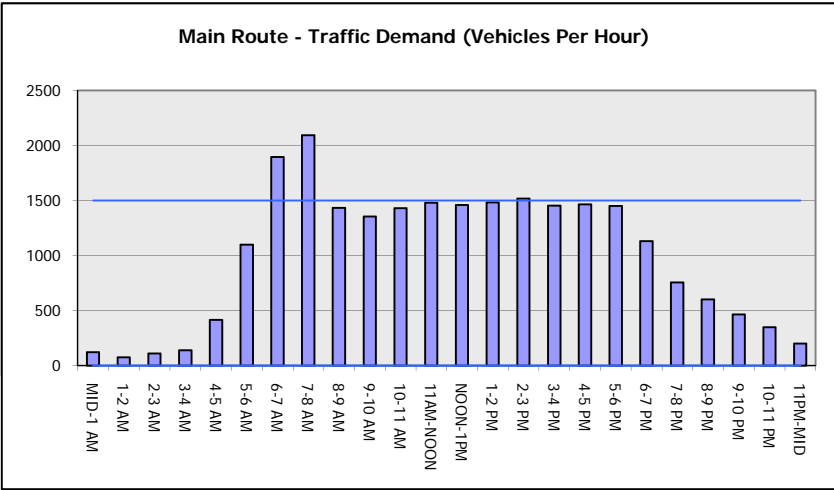
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0118
MAIN ROUTE WITH WORKS	0.0116
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$372
CONGESTED HOURS PER DAY*	0

*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	221	0.0	1500	221	0	0.44	0	66.0	57.0	44.6
1-2 AM	160	0.0	1500	160	0	0.44	0	66.1	57.2	44.8
2-3 AM	136	0.0	1500	136	0	0.44	0	66.1	57.3	45.0
3-4 AM	133	0.0	1500	133	0	0.44	0	66.1	57.3	45.0
4-5 AM	156	0.0	1500	156	0	0.44	0	66.1	57.2	44.8
5-6 AM	370	0.0	OFF	370	0	0.00	0	65.7	65.7	65.7
6-7 AM	715	0.0	OFF	715	0	0.00	0	65.1	65.1	65.1
7-8 AM	842	0.0	OFF	842	0	0.00	0	64.8	64.8	64.8
8-9 AM	972	0.0	OFF	972	0	0.00	0	64.6	64.6	64.6
9-10 AM	1164	0.0	OFF	1164	0	0.00	0	64.2	64.2	64.2
10-11 AM	1387	0.0	OFF	1387	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1552	0.0	OFF	1552	0	0.00	0	63.5	63.5	63.5
NOON-1PM	1742	0.0	OFF	1742	0	0.00	0	63.2	63.2	63.2
1-2 PM	2037	0.0	OFF	2037	0	0.00	0	62.6	62.6	62.6
2-3 PM	2279	0.0	OFF	2279	0	0.00	0	62.2	62.2	62.2
3-4 PM	2773	0.0	OFF	2773	0	0.00	0	58.1	58.1	58.1
4-5 PM	3211	0.0	OFF	3211	0	0.00	0	53.6	53.6	53.6
5-6 PM	3001	0.0	OFF	3001	0	0.00	0	55.8	55.8	55.8
6-7 PM	2320	0.0	OFF	2320	0	0.00	0	62.0	62.0	62.0
7-8 PM	1667	0.0	1499	1667	0	4.98	114	63.3	23.5	30.8
8-9 PM	1324	0.0	1499	1324	0	4.06	98	63.9	26.7	32.6
9-10 PM	1045	0.0	1500	1045	0	0.52	0	64.5	54.5	41.5
10-11 PM	785	0.0	1500	785	0	0.50	0	64.9	55.3	42.4
11PM-MID	520	0.0	1500	520	0	0.47	0	65.4	56.1	43.4

"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	0.0151
MAIN ROUTE WITH WORKS	0.0147
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,723
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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