

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

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	OFF	121	0	0.00	0	66.1	66.1	66.1	
1-2 AM	76	0.0	OFF	76	0	0.00	0	66.3	66.3	66.3	
2-3 AM	111	0.0	OFF	111	0	0.00	0	66.2	66.2	66.2	
3-4 AM	140	0.0	OFF	140	0	0.00	0	66.1	66.1	66.1	
4-5 AM	416	0.0	OFF	416	0	0.00	0	65.6	65.6	65.6	
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	1500	1430	0	0.93	0	63.7	48.3	32.3	
11AM-NOON	1481	0.0	1500	1481	0	1.00	0	63.7	47.4	31.2	
NOON-1PM	1458	0.0	1500	1458	0	0.97	0	63.7	47.8	31.7	
1-2 PM	1483	0.0	1499	1483	0	1.00	0	63.7	47.4	31.1	
2-3 PM	1516	0.0	1499	1516	0	1.35	9	63.6	43.5	30.8	
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	OFF	757	0	0.00	0	65.0	65.0	65.0	
8-9 PM	603	0.0	OFF	603	0	0.00	0	65.3	65.3	65.3	
9-10 PM	465	0.0	OFF	465	0	0.00	0	65.5	65.5	65.5	
10-11 PM	350	0.0	OFF	350	0	0.00	0	65.8	65.8	65.8	
11PM-MID	200	0.0	OFF	200	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

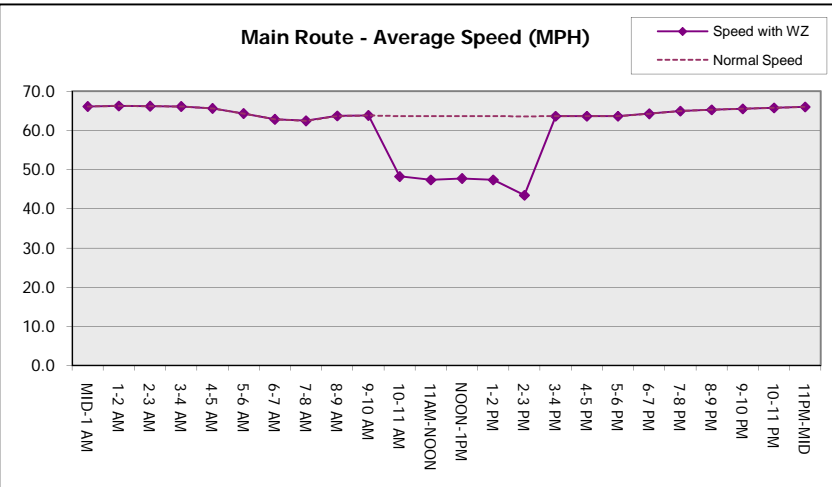
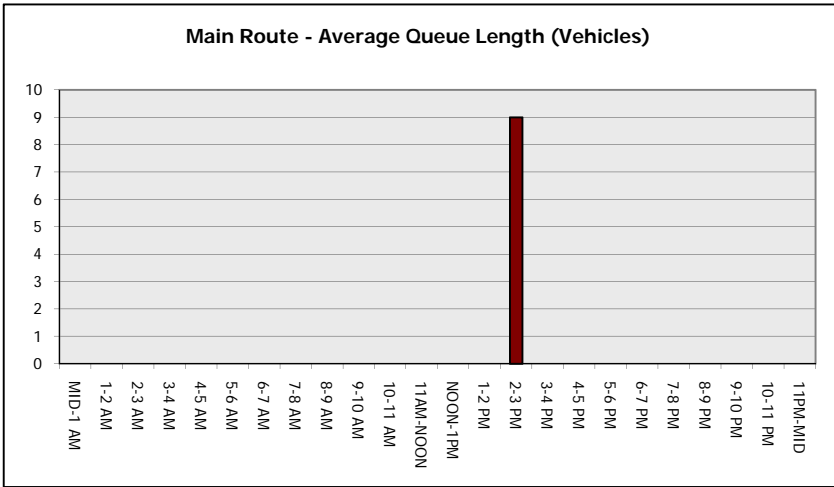
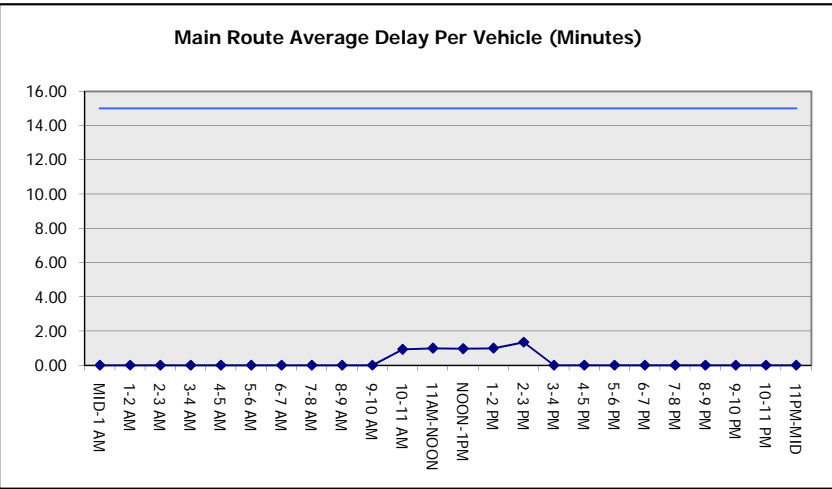
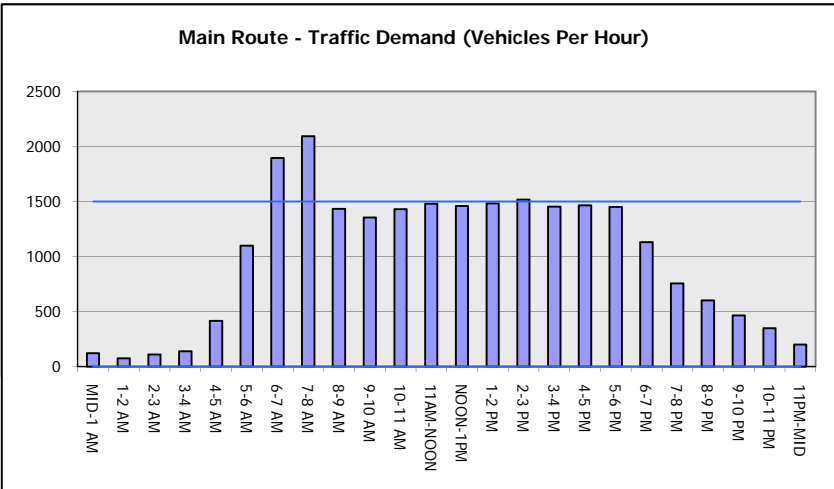
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0118
MAIN ROUTE WITH WORKS	0.0113
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,604
CONGESTED HOURS PER DAY*	0

*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	OFF	221	0	0.00	0	66.0	66.0	66.0
1-2 AM	160	0.0	OFF	160	0	0.00	0	66.1	66.1	66.1
2-3 AM	136	0.0	OFF	136	0	0.00	0	66.1	66.1	66.1
3-4 AM	133	0.0	OFF	133	0	0.00	0	66.1	66.1	66.1
4-5 AM	156	0.0	OFF	156	0	0.00	0	66.1	66.1	66.1
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	1499	1387	0	0.88	0	63.8	49.1	33.3
11AM-NOON	1552	0.0	1499	1552	0	1.53	15	63.5	41.7	30.8
NOON-1PM	1742	0.0	1500	1742	0	6.29	157	63.2	20.1	30.8
1-2 PM	2037	0.0	1499	1635	402	15.56+	394	62.6	10.6	30.8
2-3 PM	2279	0.0	1499	1499	780	16.08+	408	62.2	10.4	30.8
3-4 PM	2773	0.0	OFF	2773	0	1.38	74	58.1	40.6	40.6
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	OFF	1667	0	0.00	0	63.3	63.3	63.3
8-9 PM	1324	0.0	OFF	1324	0	0.00	0	63.9	63.9	63.9
9-10 PM	1045	0.0	OFF	1045	0	0.00	0	64.5	64.5	64.5
10-11 PM	785	0.0	OFF	785	0	0.00	0	64.9	64.9	64.9
11PM-MID	520	0.0	OFF	520	0	0.00	0	65.4	65.4	65.4

"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	0.0151
MAIN ROUTE WITH WORKS	0.0140
'DIVERSION'	0.0014

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$17,942
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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