

USH 41: CTH G TO CTH F (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	353	0.0	OFF	353	0	0.00	0	65.7	65.7	65.7	
1-2 AM	256	0.0	OFF	256	0	0.00	0	65.9	65.9	65.9	
2-3 AM	219	0.0	OFF	219	0	0.00	0	66.0	66.0	66.0	
3-4 AM	197	0.0	OFF	197	0	0.00	0	66.0	66.0	66.0	
4-5 AM	195	0.0	OFF	195	0	0.00	0	66.0	66.0	66.0	
5-6 AM	336	0.0	OFF	336	0	0.00	0	65.8	65.8	65.8	
6-7 AM	499	0.0	OFF	499	0	0.00	0	65.5	65.5	65.5	
7-8 AM	798	0.0	OFF	798	0	0.00	0	64.9	64.9	64.9	
8-9 AM	1052	0.0	1500	1052	0	0.52	0	64.4	49.7	41.5	
9-10 AM	1276	0.0	1499	1276	0	0.73	0	64.0	45.3	36.3	
10-11 AM	1581	0.0	1499	1581	0	1.90	27	63.5	30.8	30.8	
11AM-NOON	1686	0.0	1500	1686	0	6.92	167	63.2	13.7	30.8	
NOON-1PM	1791	0.0	1500	1645	146	15.14+	384	63.0	9.0	30.8	
1-2 PM	1717	0.0	1500	1503	214	16.95+	430	63.2	8.6	30.8	
2-3 PM	1728	0.0	1500	1503	226	16.95+	430	63.2	8.6	30.8	
3-4 PM	1663	0.0	1500	1502	161	16.95+	430	63.3	8.6	30.8	
4-5 PM	1585	0.0	1500	1504	82	16.94+	429	63.4	8.6	30.8	
5-6 PM	1385	0.0	1499	1385	0	15.00+	378	63.8	9.1	30.8	
6-7 PM	1210	0.0	OFF	1210	0	0.27	17	64.1	55.6	55.6	
7-8 PM	968	0.0	OFF	968	0	0.00	0	64.6	64.6	64.6	
8-9 PM	972	0.0	OFF	972	0	0.00	0	64.6	64.6	64.6	
9-10 PM	1306	0.0	OFF	1306	0	0.00	0	64.0	64.0	64.0	
10-11 PM	2023	0.0	OFF	2023	0	0.00	0	62.6	62.6	62.6	
11PM-MID	1562	0.0	OFF	1562	0	0.00	0	63.5	63.5	63.5	

"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

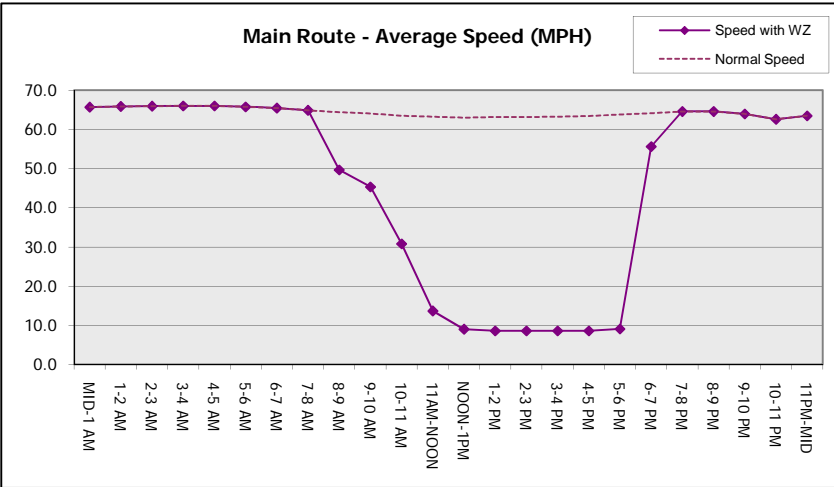
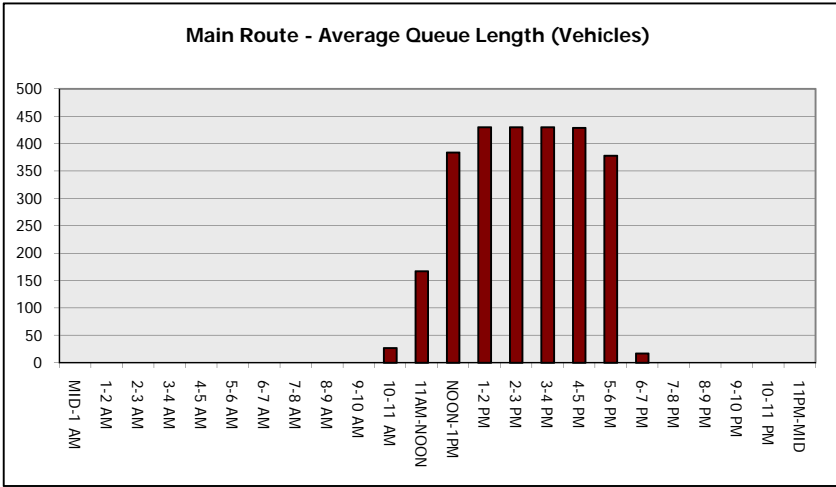
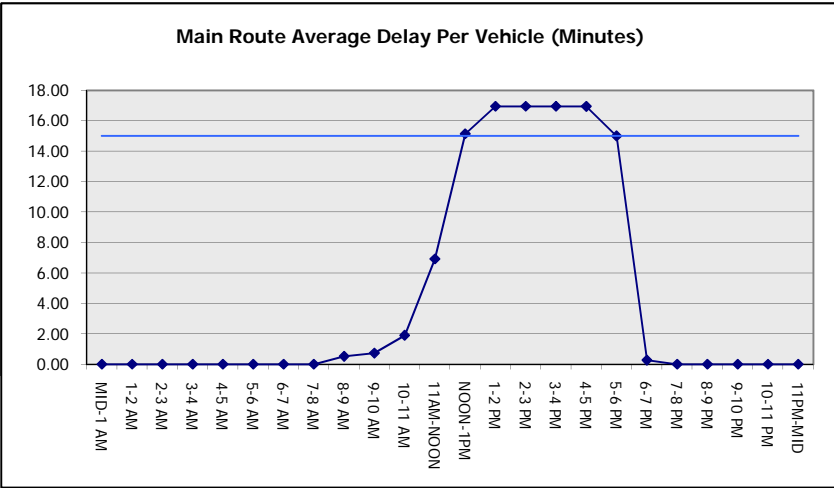
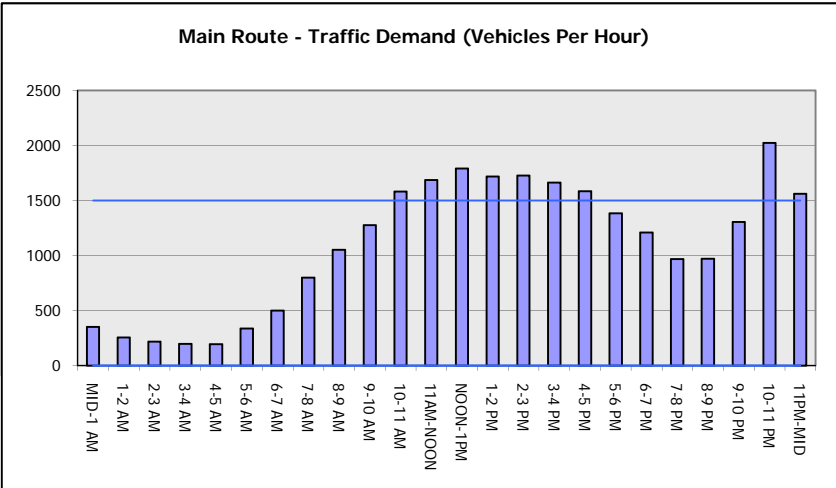
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0080
MAIN ROUTE WITH WORKS	0.0068
'DIVERSION'	0.0006
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$48,702
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	299	0.0	OFF	299	0	0.00	0	65.8	65.8	65.8
1-2 AM	196	0.0	OFF	196	0	0.00	0	66.0	66.0	66.0
2-3 AM	168	0.0	OFF	168	0	0.00	0	66.1	66.1	66.1
3-4 AM	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1
4-5 AM	175	0.0	OFF	175	0	0.00	0	66.1	66.1	66.1
5-6 AM	300	0.0	OFF	300	0	0.00	0	65.8	65.8	65.8
6-7 AM	503	0.0	OFF	503	0	0.00	0	65.5	65.5	65.5
7-8 AM	789	0.0	OFF	789	0	0.00	0	64.9	64.9	64.9
8-9 AM	1155	0.0	1499	1155	0	0.60	0	64.2	47.9	39.3
9-10 AM	1477	0.0	1499	1477	0	1.19	7	63.7	38.3	31.9
10-11 AM	1811	0.0	1500	1811	0	6.48	170	63.0	14.7	30.8
11AM-NOON	1939	0.0	1499	1586	353	16.59+	421	62.8	8.6	30.8
NOON-1PM	1949	0.0	1500	1501	448	16.96+	430	62.8	8.6	30.8
1-2 PM	2032	0.0	1500	1501	531	16.97+	431	62.6	8.6	30.8
2-3 PM	2180	0.0	1500	1501	680	16.97+	431	62.3	8.6	30.8
3-4 PM	2278	0.0	1500	1501	777	16.97+	431	62.2	8.6	30.8
4-5 PM	2304	0.0	1500	1500	803	16.97+	431	62.1	8.6	30.8
5-6 PM	2058	0.0	1500	1500	557	16.97+	431	62.5	8.6	30.8
6-7 PM	1588	0.0	OFF	1588	0	0.60	38	63.4	47.6	47.6
7-8 PM	1037	0.0	OFF	1037	0	0.00	0	64.5	64.5	64.5
8-9 PM	878	0.0	OFF	878	0	0.00	0	64.8	64.8	64.8
9-10 PM	740	0.0	OFF	740	0	0.00	0	65.0	65.0	65.0
10-11 PM	638	0.0	OFF	638	0	0.00	0	65.2	65.2	65.2
11PM-MID	489	0.0	OFF	489	0	0.00	0	65.5	65.5	65.5

"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	0.0082
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0029

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$72,456
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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