

USH 41: CTH AAA TO CTH G (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	398	0.0	OFF	398	0	0.00	0	65.6	65.6	65.6	
1-2 AM	289	0.0	OFF	289	0	0.00	0	65.8	65.8	65.8	
2-3 AM	248	0.0	OFF	248	0	0.00	0	66.0	66.0	66.0	
3-4 AM	222	0.0	OFF	222	0	0.00	0	66.0	66.0	66.0	
4-5 AM	219	0.0	OFF	219	0	0.00	0	66.0	66.0	66.0	
5-6 AM	378	0.0	OFF	378	0	0.00	0	65.7	65.7	65.7	
6-7 AM	564	0.0	OFF	564	0	0.00	0	65.3	65.3	65.3	
7-8 AM	900	0.0	OFF	900	0	0.00	0	64.7	64.7	64.7	
8-9 AM	1187	0.0	1499	1187	0	0.62	0	64.1	42.6	39.0	
9-10 AM	1441	0.0	1499	1441	0	1.00	1	63.7	35.1	32.3	
10-11 AM	1784	0.0	1500	1784	0	5.26	135	63.0	14.0	30.8	
11AM-NOON	1902	0.0	1500	1682	221	16.25+	413	62.8	7.9	30.8	
NOON-1PM	2021	0.0	1499	1492	529	17.40+	442	62.6	7.6	30.8	
1-2 PM	1938	0.0	1499	1494	444	17.39+	442	62.8	7.6	30.8	
2-3 PM	1950	0.0	1499	1496	454	17.39+	442	62.7	7.6	30.8	
3-4 PM	1876	0.0	1499	1497	379	17.38+	442	62.9	7.6	30.8	
4-5 PM	1789	0.0	1499	1497	291	17.38+	441	63.0	7.7	30.8	
5-6 PM	1563	0.0	1499	1485	77	17.31+	439	63.5	7.7	30.8	
6-7 PM	1365	0.0	OFF	1365	0	0.55	35	63.8	43.9	43.9	
7-8 PM	1092	0.0	OFF	1092	0	0.00	0	64.3	64.3	64.3	
8-9 PM	1097	0.0	OFF	1097	0	0.00	0	64.3	64.3	64.3	
9-10 PM	1474	0.0	OFF	1474	0	0.00	0	63.7	63.7	63.7	
10-11 PM	2282	0.0	OFF	2282	0	0.00	0	62.2	62.2	62.2	
11PM-MID	1762	0.0	OFF	1762	0	0.00	0	63.1	63.1	63.1	

"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

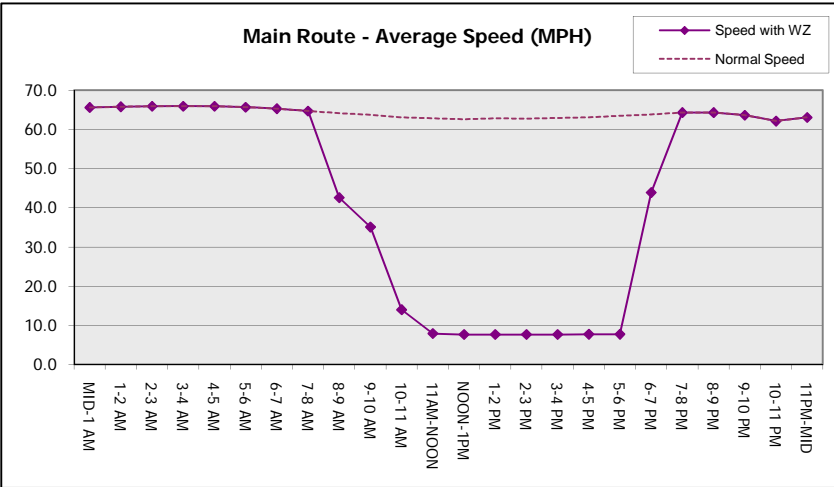
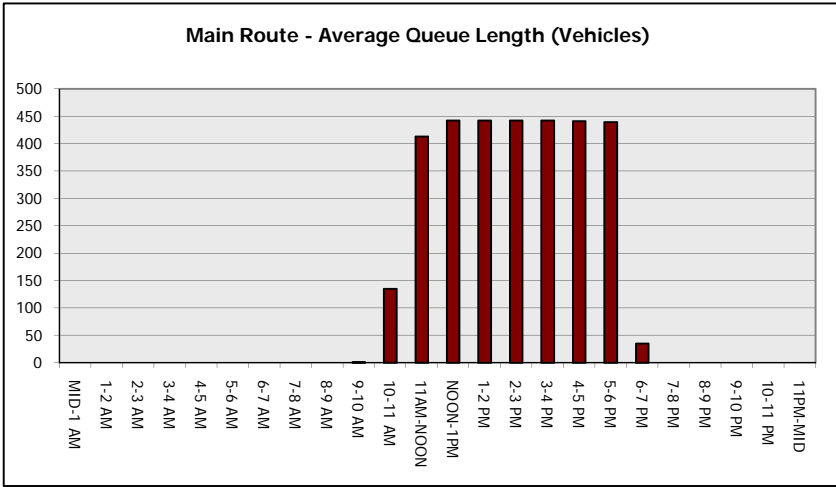
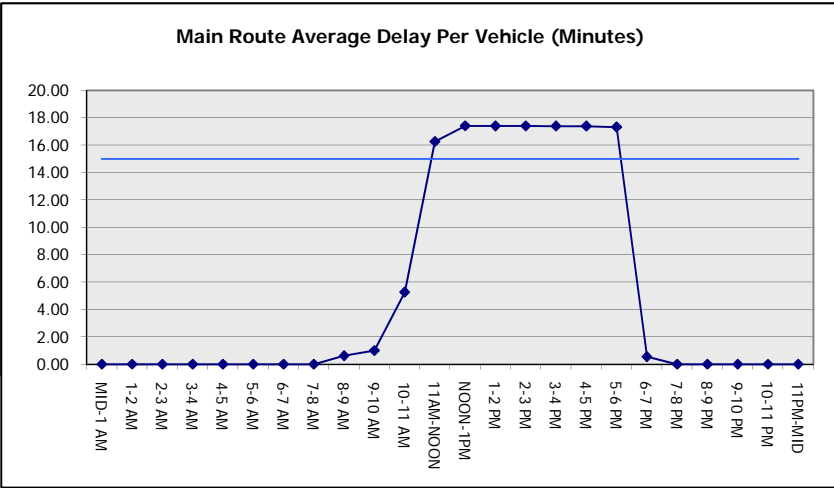
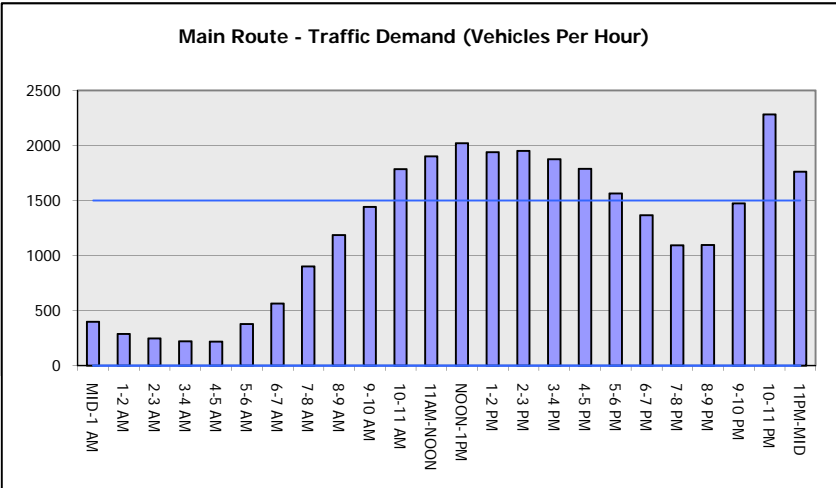
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0061
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0011
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$64,798
CONGESTED HOURS PER DAY*	7

*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	336	0.0	OFF	336	0	0.00	0	65.8	65.8	65.8
1-2 AM	220	0.0	OFF	220	0	0.00	0	66.0	66.0	66.0
2-3 AM	190	0.0	OFF	190	0	0.00	0	66.0	66.0	66.0
3-4 AM	158	0.0	OFF	158	0	0.00	0	66.1	66.1	66.1
4-5 AM	198	0.0	OFF	198	0	0.00	0	66.0	66.0	66.0
5-6 AM	338	0.0	OFF	338	0	0.00	0	65.8	65.8	65.8
6-7 AM	568	0.0	OFF	568	0	0.00	0	65.3	65.3	65.3
7-8 AM	890	0.0	OFF	890	0	0.00	0	64.7	64.7	64.7
8-9 AM	1304	0.0	1499	1304	0	0.76	0	64.0	39.3	35.6
9-10 AM	1667	0.0	1499	1667	0	2.76	60	63.3	20.4	30.8
10-11 AM	2043	0.0	1500	1744	300	14.14+	364	62.6	8.4	30.8
11AM-NOON	2189	0.0	1500	1508	681	17.41+	443	62.3	7.6	30.8
NOON-1PM	2199	0.0	1500	1506	693	17.41+	443	62.3	7.6	30.8
1-2 PM	2293	0.0	1500	1505	788	17.42+	443	62.1	7.6	30.8
2-3 PM	2460	0.0	1500	1504	957	17.41+	444	61.3	7.6	30.8
3-4 PM	2570	0.0	1500	1507	1063	17.40+	445	60.2	7.6	30.8
4-5 PM	2599	0.0	1500	1504	1095	17.39+	445	59.9	7.6	30.8
5-6 PM	2321	0.0	1500	1500	822	17.42+	443	62.0	7.6	30.8
6-7 PM	1792	0.0	OFF	1792	0	0.69	44	63.0	40.6	40.6
7-8 PM	1170	0.0	OFF	1170	0	0.00	0	64.2	64.2	64.2
8-9 PM	990	0.0	OFF	990	0	0.00	0	64.5	64.5	64.5
9-10 PM	835	0.0	OFF	835	0	0.00	0	64.8	64.8	64.8
10-11 PM	720	0.0	OFF	720	0	0.00	0	65.0	65.0	65.0
11PM-MID	551	0.0	OFF	551	0	0.00	0	65.3	65.3	65.3

"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	0.0063
MAIN ROUTE WITH WORKS	0.0040
'DIVERSION'	0.0031

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$89,015
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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