

USH 41: CTH AAA TO CTH G (BROWN COUNTY) OFF-PEAK DAY 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	258	0.0	OFF	258	0	0.00	0	65.9	65.9	65.9
1-2 AM	209	0.0	OFF	209	0	0.00	0	66.0	66.0	66.0
2-3 AM	203	0.0	OFF	203	0	0.00	0	66.0	66.0	66.0
3-4 AM	201	0.0	OFF	201	0	0.00	0	66.0	66.0	66.0
4-5 AM	421	0.0	OFF	421	0	0.00	0	65.6	65.6	65.6
5-6 AM	1126	0.0	OFF	1126	0	0.00	0	64.3	64.3	64.3
6-7 AM	2404	0.0	OFF	2404	0	0.00	0	61.9	61.9	61.9
7-8 AM	3067	0.0	OFF	3067	0	0.00	0	55.1	55.1	55.1
8-9 AM	2051	0.0	OFF	2051	0	0.00	0	62.5	62.5	62.5
9-10 AM	1767	0.0	OFF	1767	0	0.00	0	63.1	63.1	63.1
10-11 AM	1790	0.0	1499	1790	0	5.22	134	63.0	14.1	30.8
11AM-NOON	2104	0.0	1499	1692	412	16.61+	423	62.5	7.8	30.8
NOON-1PM	2283	0.0	1499	1490	793	17.42+	443	62.2	7.6	30.8
1-2 PM	2383	0.0	1499	1493	890	17.43+	444	61.9	7.6	30.8
2-3 PM	2460	0.0	1499	1494	966	17.42+	444	61.3	7.6	30.8
3-4 PM	2815	0.0	OFF	2815	0	1.46	89	57.7	27.8	27.8
4-5 PM	3281	0.0	OFF	3281	0	0.00	0	52.9	52.9	52.9
5-6 PM	2813	0.0	OFF	2813	0	0.00	0	57.7	57.7	57.7
6-7 PM	1826	0.0	OFF	1826	0	0.00	0	63.0	63.0	63.0
7-8 PM	1257	0.0	OFF	1257	0	0.00	0	64.0	64.0	64.0
8-9 PM	1083	0.0	OFF	1083	0	0.00	0	64.4	64.4	64.4
9-10 PM	1013	0.0	OFF	1013	0	0.00	0	64.5	64.5	64.5
10-11 PM	935	0.0	OFF	935	0	0.00	0	64.6	64.6	64.6
11PM-MID	603	0.0	OFF	603	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

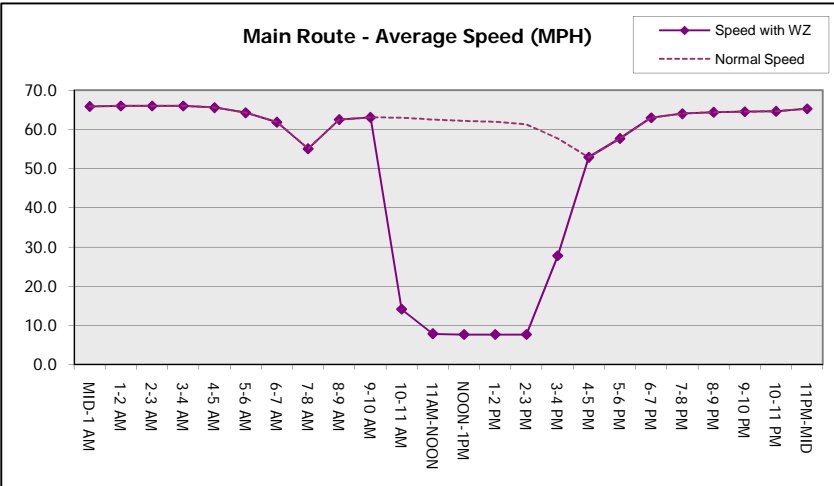
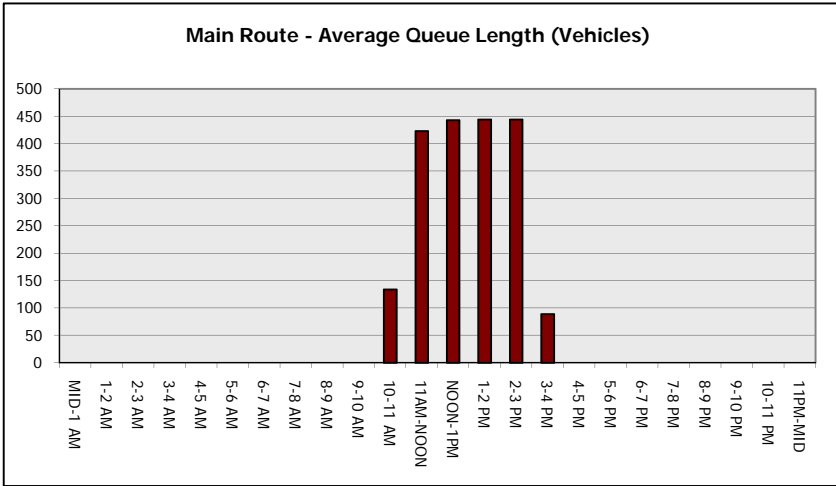
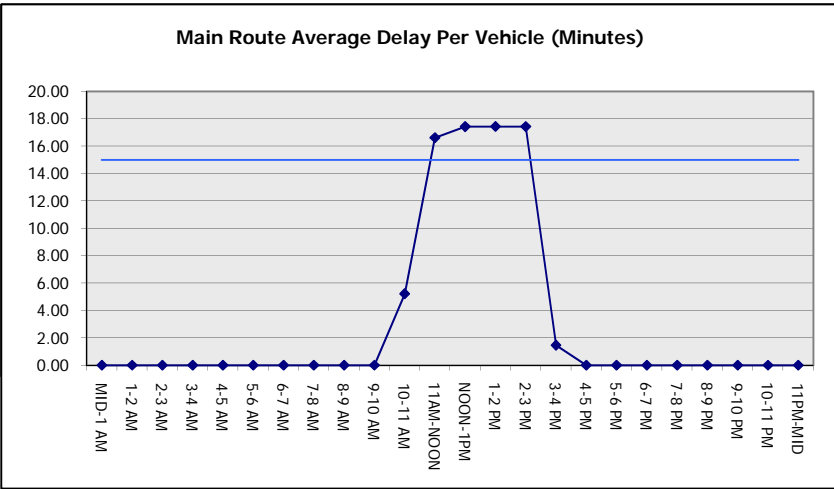
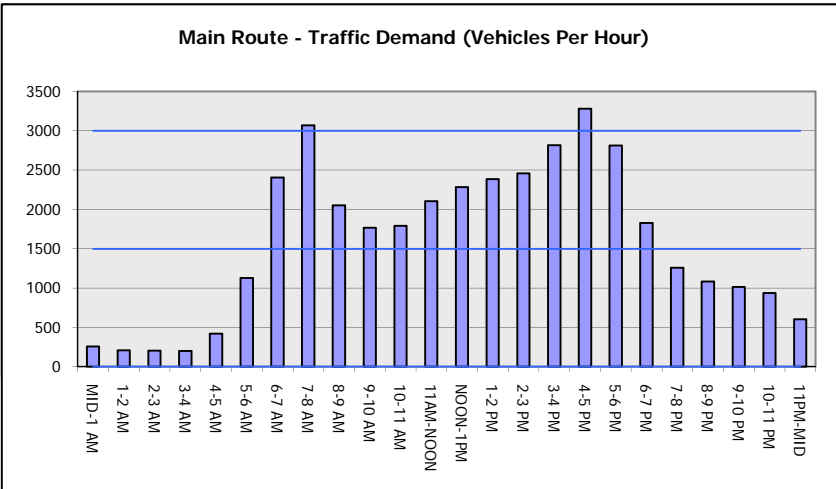
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0079
MAIN ROUTE WITH WORKS	0.0068
'DIVERSION'	0.0015
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$37,574
CONGESTED HOURS PER DAY*	4

*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	215	0.0	OFF	215	0	0.00	0	66.0	66.0	66.0
1-2 AM	145	0.0	OFF	145	0	0.00	0	66.1	66.1	66.1
2-3 AM	175	0.0	OFF	175	0	0.00	0	66.1	66.1	66.1
3-4 AM	170	0.0	OFF	170	0	0.00	0	66.1	66.1	66.1
4-5 AM	285	0.0	OFF	285	0	0.00	0	65.8	65.8	65.8
5-6 AM	780	0.0	OFF	780	0	0.00	0	65.0	65.0	65.0
6-7 AM	1894	0.0	OFF	1894	0	0.00	0	62.8	62.8	62.8
7-8 AM	3254	0.0	OFF	3254	0	0.00	0	53.2	53.2	53.2
8-9 AM	2378	0.0	OFF	2378	0	0.00	0	62.0	62.0	62.0
9-10 AM	2009	0.0	OFF	2009	0	0.00	0	62.7	62.7	62.7
10-11 AM	1959	0.0	1499	1959	0	8.08	222	62.7	11.2	30.8
11AM-NOON	2248	0.0	1499	1496	752	17.42+	443	62.2	7.6	30.8
NOON-1PM	2494	0.0	1499	1497	997	17.40+	444	60.9	7.6	30.8
1-2 PM	2416	0.0	1499	1498	918	17.42+	444	61.7	7.6	30.8
2-3 PM	2683	0.0	1499	1502	1181	17.48+	448	59.0	7.6	30.8
3-4 PM	3261	0.0	OFF	3261	0	2.22	138	53.1	21.1	21.1
4-5 PM	3684	0.0	OFF	3684	0	0.00	0	48.7	48.7	48.7
5-6 PM	3253	0.0	OFF	3253	0	0.00	0	53.2	53.2	53.2
6-7 PM	2348	0.0	OFF	2348	0	0.00	0	62.0	62.0	62.0
7-8 PM	1818	0.0	OFF	1818	0	0.00	0	63.0	63.0	63.0
8-9 PM	1350	0.0	OFF	1350	0	0.00	0	63.8	63.8	63.8
9-10 PM	1149	0.0	OFF	1149	0	0.00	0	64.3	64.3	64.3
10-11 PM	896	0.0	OFF	896	0	0.00	0	64.7	64.7	64.7
11PM-MID	556	0.0	OFF	556	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	0.0086
MAIN ROUTE WITH WORKS	0.0072
'DIVERSION'	0.0018

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$42,375
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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