

USH 41: STH 29 TO CTH AAA (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	235	0.0	1500	235	0	0.45	0	66.0	59.9	44.5	
1-2 AM	191	0.0	1500	191	0	0.44	0	66.0	60.0	44.7	
2-3 AM	173	0.0	1500	173	0	0.44	0	66.1	60.0	44.8	
3-4 AM	205	0.0	1500	205	0	0.44	0	66.0	59.9	44.6	
4-5 AM	471	0.0	1500	471	0	0.47	0	65.5	59.2	43.6	
5-6 AM	1390	0.0	1499	1390	0	1.42	23	63.8	48.5	36.1	
6-7 AM	2841	0.0	1500	1704	1137	13.37+	367	57.4	15.6	35.3	
7-8 AM	3516	0.0	1499	1500	2016	14.53+	399	50.5	14.2	33.3	
8-9 AM	2178	0.0	1500	1572	607	15.48+	392	62.3	14.3	30.8	
9-10 AM	1871	0.0	1499	1500	371	15.80+	399	62.9	14.1	30.8	
10-11 AM	1889	0.0	1500	1500	389	15.80+	400	62.8	14.1	30.8	
11AM-NOON	2073	0.0	1500	1500	573	15.78+	400	62.5	14.1	30.8	
NOON-1PM	2239	0.0	1500	1500	739	15.75+	400	62.2	14.1	30.8	
1-2 PM	2317	0.0	1500	1500	817	15.74+	400	62.0	14.1	30.8	
2-3 PM	2448	0.0	1500	1500	948	15.69+	400	61.4	14.1	30.8	
3-4 PM	2928	0.0	1500	1500	1428	15.29+	400	56.5	14.1	30.8	
4-5 PM	3657	0.0	1500	1500	2157	14.51+	400	49.1	14.1	30.8	
5-6 PM	3235	0.0	1500	1500	1735	14.99+	400	53.3	14.1	30.8	
6-7 PM	1895	0.0	1500	1524	372	15.69+	397	62.8	14.2	30.8	
7-8 PM	1337	0.0	1499	1337	0	13.18+	332	63.9	16.3	30.8	
8-9 PM	1216	0.0	1500	1216	0	3.71	103	64.1	35.1	34.5	
9-10 PM	984	0.0	1500	984	0	0.52	0	64.5	57.8	41.7	
10-11 PM	661	0.0	1500	661	0	0.49	0	65.1	58.7	42.9	
11PM-MID	418	0.0	1500	418	0	0.46	0	65.6	59.4	43.8	

+ 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

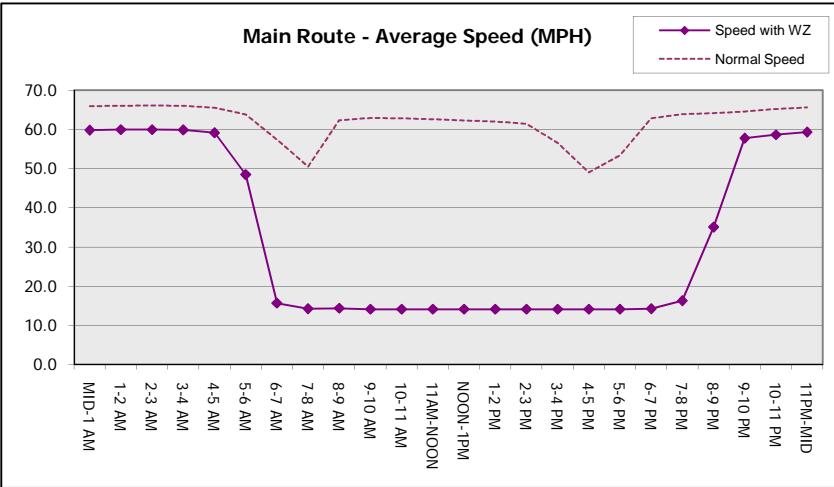
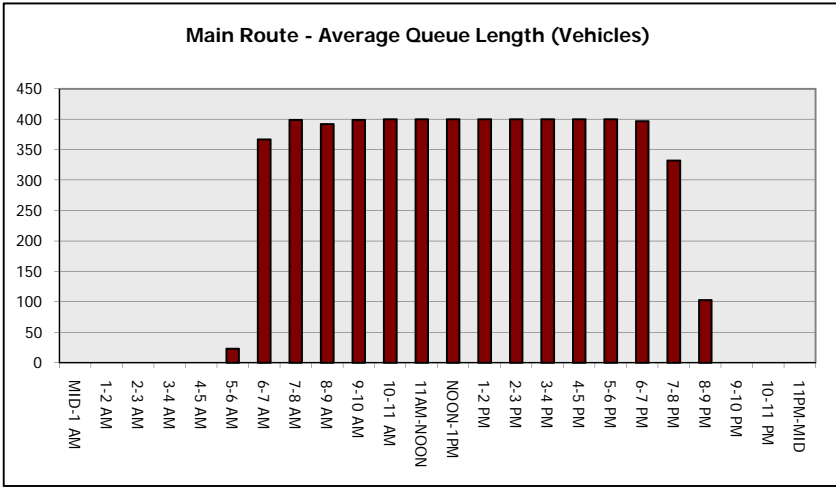
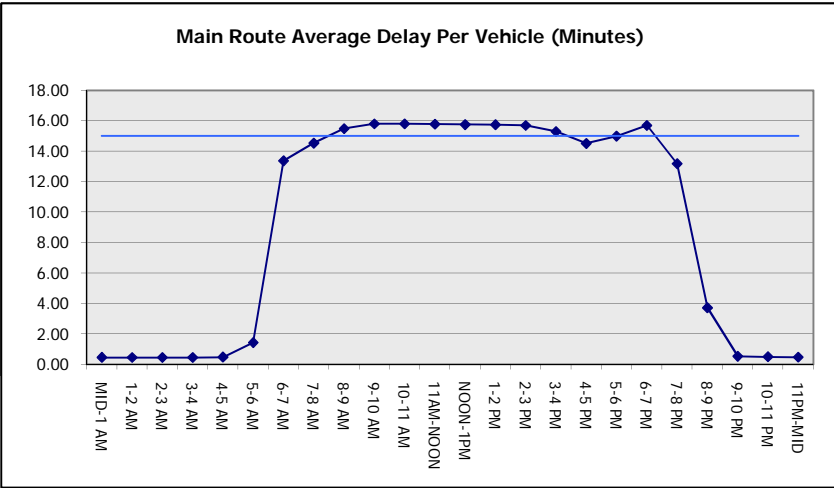
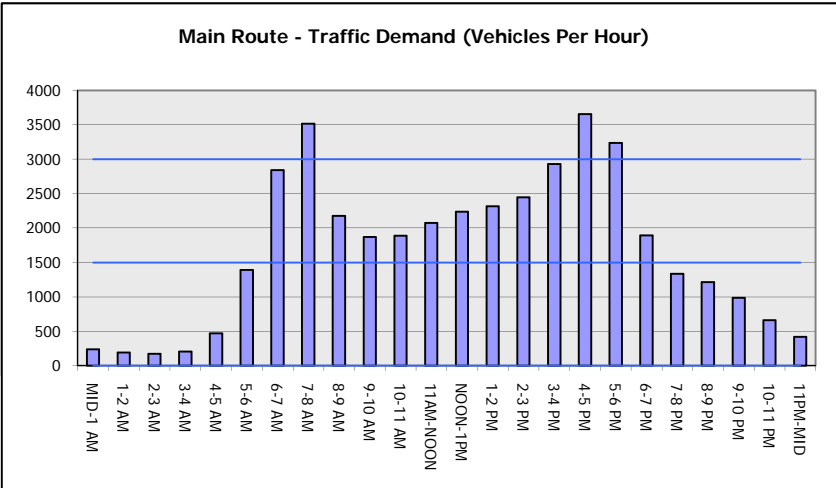
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0308
MAIN ROUTE WITH WORKS	0.0189
'DIVERSION'	0.0235
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$114,967
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	200	0.0	1500	200	0	0.44	0	66.0	59.9	44.7	
1-2 AM	144	0.0	1500	144	0	0.44	0	66.1	60.1	44.9	
2-3 AM	153	0.0	1500	153	0	0.44	0	66.1	60.1	44.9	
3-4 AM	160	0.0	1500	160	0	0.44	0	66.1	60.1	44.8	
4-5 AM	310	0.0	1500	310	0	0.45	0	65.8	59.6	44.2	
5-6 AM	883	0.0	1500	883	0	0.51	0	64.8	58.1	42.1	
6-7 AM	2200	0.0	1499	1997	202	7.39+	225	62.3	24.0	30.8	
7-8 AM	3626	0.0	1500	1500	2126	14.47+	400	49.4	14.2	32.1	
8-9 AM	2466	0.0	1500	1433	1034	15.38+	394	61.2	14.3	32.1	
9-10 AM	1984	0.0	1499	1500	484	15.79+	399	62.7	14.1	30.8	
10-11 AM	1905	0.0	1500	1500	405	15.80+	400	62.8	14.1	30.8	
11AM-NOON	2082	0.0	1500	1500	582	15.77+	400	62.5	14.1	30.8	
NOON-1PM	2126	0.0	1500	1500	626	15.77+	400	62.4	14.1	30.8	
1-2 PM	2162	0.0	1500	1500	662	15.76+	400	62.3	14.1	30.8	
2-3 PM	2466	0.0	1500	1500	966	15.68+	400	61.2	14.1	30.8	
3-4 PM	3041	0.0	1500	1500	1541	15.18+	400	55.3	14.1	30.8	
4-5 PM	3801	0.0	1500	1500	2301	14.33+	400	47.6	14.1	30.8	
5-6 PM	3417	0.0	1500	1500	1917	14.79+	400	51.5	14.1	30.8	
6-7 PM	1992	0.0	1500	1488	503	15.74+	398	62.7	14.2	30.8	
7-8 PM	1335	0.0	1499	1313	22	13.61+	344	63.9	15.9	30.8	
8-9 PM	1121	0.0	1499	1121	0	2.66	80	64.3	40.3	37.5	
9-10 PM	909	0.0	1500	909	0	0.51	0	64.7	58.0	42.0	
10-11 PM	718	0.0	1500	718	0	0.49	0	65.0	58.6	42.7	
11PM-MID	397	0.0	1500	397	0	0.46	0	65.6	59.4	43.9	

+ 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	0.0302
MAIN ROUTE WITH WORKS	0.0183
'DIVERSION'	0.0236

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$111,892
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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