

USH 41: STH 29 TO CTH AAA (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	288	0.0	OFF	288	0	0.00	0	65.8	65.8	65.8
1-2 AM	233	0.0	OFF	233	0	0.00	0	66.0	66.0	66.0
2-3 AM	227	0.0	OFF	227	0	0.00	0	66.0	66.0	66.0
3-4 AM	224	0.0	OFF	224	0	0.00	0	66.0	66.0	66.0
4-5 AM	471	0.0	OFF	471	0	0.00	0	65.5	65.5	65.5
5-6 AM	1257	0.0	OFF	1257	0	0.00	0	64.0	64.0	64.0
6-7 AM	2684	0.0	OFF	2684	0	0.00	0	59.0	59.0	59.0
7-8 AM	3425	0.0	OFF	3425	0	0.00	0	51.4	51.4	51.4
8-9 AM	2290	0.0	OFF	2290	0	0.00	0	62.1	62.1	62.1
9-10 AM	1973	0.0	OFF	1973	0	0.00	0	62.7	62.7	62.7
10-11 AM	1998	0.0	1499	1993	5	8.20+	236	62.7	22.5	30.8
11AM-NOON	2349	0.0	1500	1449	900	15.54+	395	62.0	14.3	31.3
NOON-1PM	2549	0.0	1500	1500	1049	15.61+	400	60.4	14.1	30.8
1-2 PM	2661	0.0	1500	1500	1161	15.52+	400	59.2	14.1	30.8
2-3 PM	2748	0.0	1500	1500	1248	15.45+	400	58.4	14.1	30.8
3-4 PM	3143	0.0	OFF	3143	0	2.19	113	54.3	38.4	38.4
4-5 PM	3664	0.0	OFF	3664	0	0.00	0	48.9	48.9	48.9
5-6 PM	3141	0.0	OFF	3141	0	0.00	0	54.3	54.3	54.3
6-7 PM	2039	0.0	OFF	2039	0	0.00	0	62.6	62.6	62.6
7-8 PM	1403	0.0	OFF	1403	0	0.00	0	63.8	63.8	63.8
8-9 PM	1208	0.0	OFF	1208	0	0.00	0	64.1	64.1	64.1
9-10 PM	1130	0.0	OFF	1130	0	0.00	0	64.3	64.3	64.3
10-11 PM	1044	0.0	OFF	1044	0	0.00	0	64.5	64.5	64.5
11PM-MID	674	0.0	OFF	674	0	0.00	0	65.1	65.1	65.1

"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	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

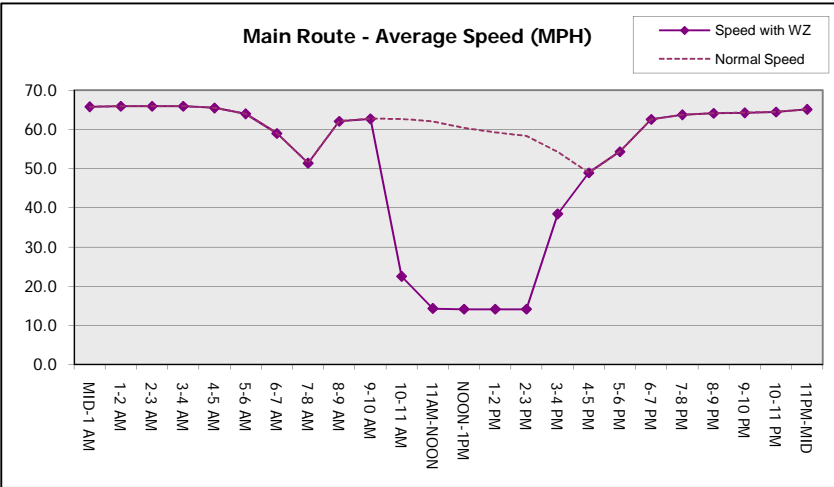
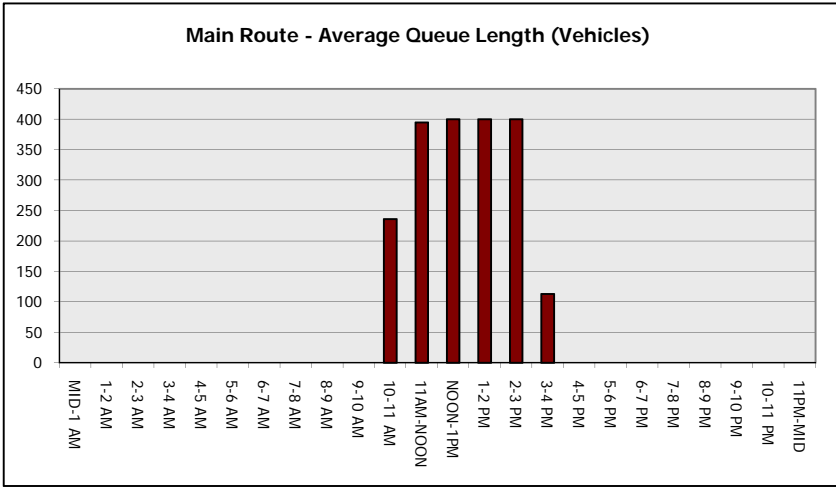
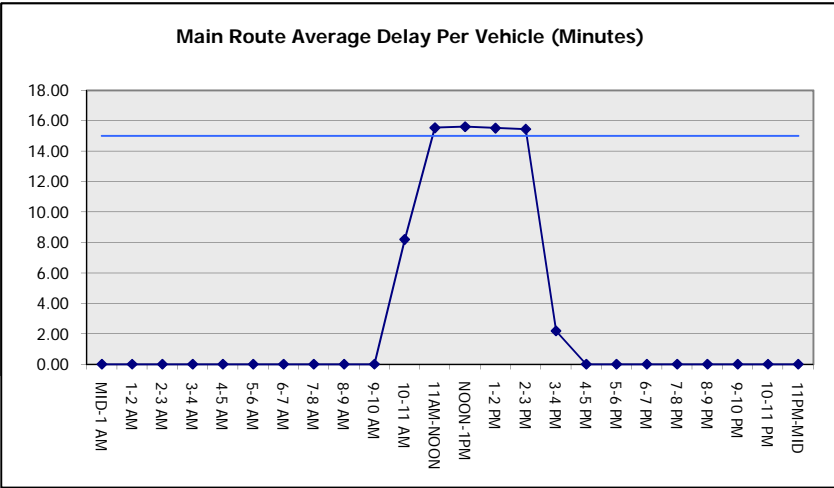
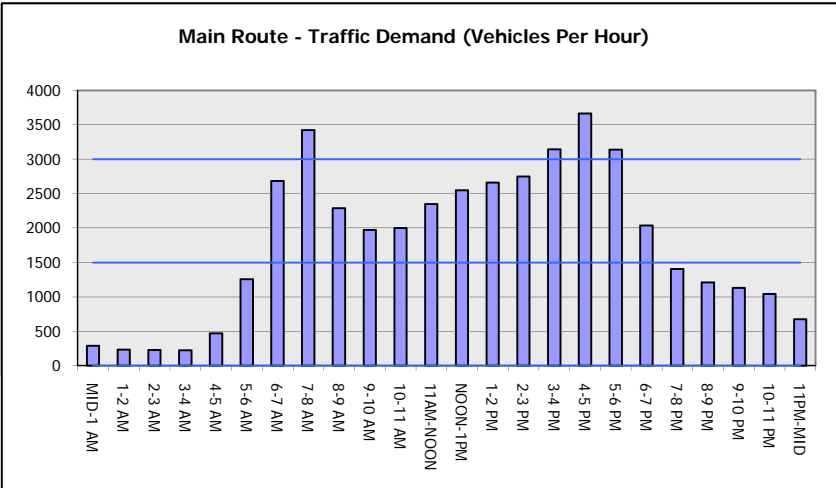
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0327
MAIN ROUTE WITH WORKS	0.0288
'DIVERSION'	0.0077
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$39,715
CONGESTED HOURS PER DAY*	5

*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	240	0.0	OFF	240	0	0.00	0	66.0	66.0	66.0
1-2 AM	161	0.0	OFF	161	0	0.00	0	66.1	66.1	66.1
2-3 AM	195	0.0	OFF	195	0	0.00	0	66.0	66.0	66.0
3-4 AM	191	0.0	OFF	191	0	0.00	0	66.0	66.0	66.0
4-5 AM	319	0.0	OFF	319	0	0.00	0	65.8	65.8	65.8
5-6 AM	872	0.0	OFF	872	0	0.00	0	64.8	64.8	64.8
6-7 AM	2115	0.0	OFF	2115	0	0.00	0	62.5	62.5	62.5
7-8 AM	3633	0.0	OFF	3633	0	0.00	0	49.3	49.3	49.3
8-9 AM	2656	0.0	OFF	2656	0	0.00	0	59.3	59.3	59.3
9-10 AM	2243	0.0	OFF	2243	0	0.00	0	62.2	62.2	62.2
10-11 AM	2187	0.0	1499	1827	360	10.19+	281	62.3	19.4	31.1
11AM-NOON	2510	0.0	1499	1500	1010	15.61+	400	60.8	14.2	31.3
NOON-1PM	2785	0.0	1500	1500	1285	15.38+	400	57.9	14.2	31.3
1-2 PM	2697	0.0	1500	1500	1197	15.46+	400	58.9	14.2	31.3
2-3 PM	2995	0.0	1500	1500	1495	15.19+	400	55.8	14.2	31.3
3-4 PM	3641	0.0	OFF	3641	0	2.66	149	49.2	33.8	33.8
4-5 PM	4114	0.0	OFF	4114	0	0.00	0	44.3	44.3	44.3
5-6 PM	3632	0.0	OFF	3632	0	0.00	0	49.3	49.3	49.3
6-7 PM	2622	0.0	OFF	2622	0	0.00	0	59.6	59.6	59.6
7-8 PM	2029	0.0	OFF	2029	0	0.00	0	62.6	62.6	62.6
8-9 PM	1508	0.0	OFF	1508	0	0.00	0	63.6	63.6	63.6
9-10 PM	1282	0.0	OFF	1282	0	0.00	0	64.0	64.0	64.0
10-11 PM	1000	0.0	OFF	1000	0	0.00	0	64.5	64.5	64.5
11PM-MID	621	0.0	OFF	621	0	0.00	0	65.2	65.2	65.2

"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	0.0353
MAIN ROUTE WITH WORKS	0.0307
'DIVERSION'	0.0095

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,584
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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