

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	676	0.0	1500	676	0	0.49	0	65.1	58.6	42.8	
1-2 AM	355	0.0	1500	355	0	0.46	0	65.7	59.5	44.1	
2-3 AM	297	0.0	1500	297	0	0.45	0	65.8	59.7	44.3	
3-4 AM	209	0.0	1500	209	0	0.44	0	66.0	59.9	44.6	
4-5 AM	181	0.0	1500	181	0	0.44	0	66.1	60.0	44.8	
5-6 AM	229	0.0	1500	229	0	0.44	0	66.0	59.9	44.6	
6-7 AM	376	0.0	1500	376	0	0.46	0	65.7	59.4	44.0	
7-8 AM	529	0.0	1500	529	0	0.47	0	65.4	59.1	43.4	
8-9 AM	893	0.0	1500	893	0	0.51	0	64.7	58.1	42.0	
9-10 AM	1386	0.0	OFF	1386	0	0.00	0	63.8	63.8	63.8	
10-11 AM	2052	0.0	OFF	2052	0	0.00	0	62.5	62.5	62.5	
11AM-NOON	2349	0.0	OFF	2349	0	0.00	0	62.0	62.0	62.0	
NOON-1PM	2559	0.0	OFF	2559	0	0.00	0	60.3	60.3	60.3	
1-2 PM	2611	0.0	OFF	2611	0	0.00	0	59.7	59.7	59.7	
2-3 PM	2591	0.0	OFF	2591	0	0.00	0	59.9	59.9	59.9	
3-4 PM	2587	0.0	OFF	2587	0	0.00	0	60.0	60.0	60.0	
4-5 PM	2492	0.0	OFF	2492	0	0.00	0	61.0	61.0	61.0	
5-6 PM	2155	0.0	OFF	2155	0	0.00	0	62.3	62.3	62.3	
6-7 PM	1919	0.0	OFF	1919	0	0.00	0	62.8	62.8	62.8	
7-8 PM	1488	0.0	1499	1488	0	1.53	15	63.6	47.5	31.5	
8-9 PM	1267	0.0	1500	1267	0	0.72	0	64.0	55.1	36.4	
9-10 PM	891	0.0	1500	891	0	0.51	0	64.7	58.1	42.0	
10-11 PM	643	0.0	1500	643	0	0.48	0	65.2	58.7	43.0	
11PM-MID	405	0.0	1500	405	0	0.46	0	65.6	59.4	43.8	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0238
MAIN ROUTE WITH WORKS	0.0232
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,426
CONGESTED HOURS PER DAY*	0

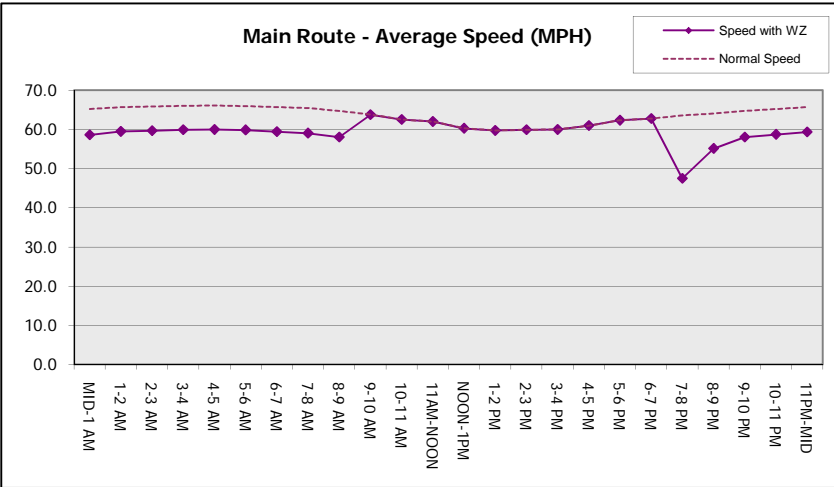
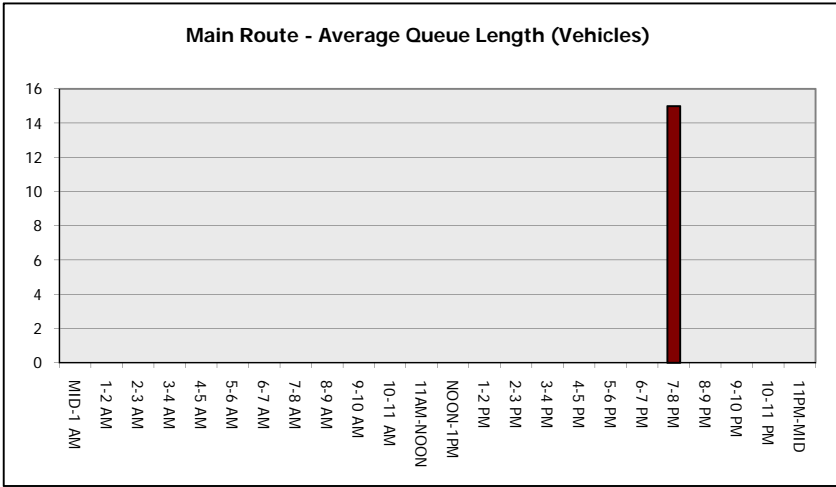
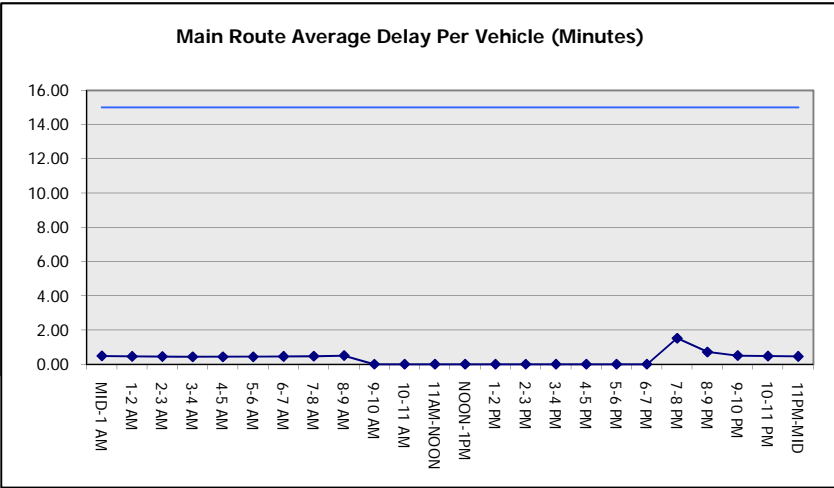
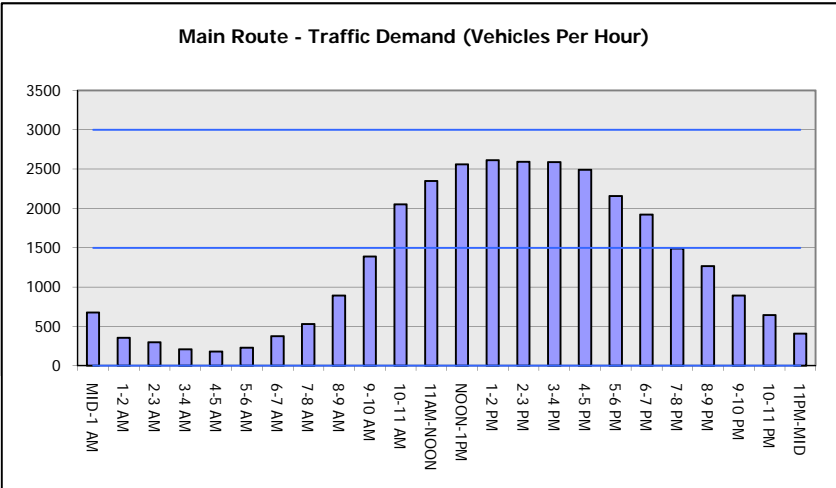
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	418	0.0	1500	418	0	0.46	0	65.6	59.4	43.8
1-2 AM	231	0.0	1500	231	0	0.44	0	66.0	59.9	44.6
2-3 AM	226	0.0	1500	226	0	0.44	0	66.0	59.9	44.6
3-4 AM	176	0.0	1500	176	0	0.44	0	66.1	60.0	44.8
4-5 AM	124	0.0	1500	124	0	0.43	0	66.1	60.2	45.0
5-6 AM	236	0.0	1500	236	0	0.45	0	66.0	59.9	44.5
6-7 AM	349	0.0	1500	349	0	0.46	0	65.8	59.6	44.1
7-8 AM	510	0.0	1500	510	0	0.47	0	65.5	59.1	43.5
8-9 AM	753	0.0	1500	753	0	0.50	0	65.0	58.4	42.5
9-10 AM	1161	0.0	OFF	1161	0	0.00	0	64.2	64.2	64.2
10-11 AM	1589	0.0	OFF	1589	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1886	0.0	OFF	1886	0	0.00	0	62.8	62.8	62.8
NOON-1PM	2005	0.0	OFF	2005	0	0.00	0	62.7	62.7	62.7
1-2 PM	2001	0.0	OFF	2001	0	0.00	0	62.7	62.7	62.7
2-3 PM	1954	0.0	OFF	1954	0	0.00	0	62.7	62.7	62.7
3-4 PM	1974	0.0	OFF	1974	0	0.00	0	62.7	62.7	62.7
4-5 PM	1931	0.0	OFF	1931	0	0.00	0	62.8	62.8	62.8
5-6 PM	1827	0.0	OFF	1827	0	0.00	0	63.0	63.0	63.0
6-7 PM	1560	0.0	OFF	1560	0	0.00	0	63.5	63.5	63.5
7-8 PM	1248	0.0	1500	1248	0	0.70	0	64.1	55.5	36.9
8-9 PM	1027	0.0	1500	1027	0	0.52	0	64.5	57.8	41.6
9-10 PM	732	0.0	1500	732	0	0.49	0	65.0	58.5	42.7
10-11 PM	541	0.0	1500	541	0	0.47	0	65.4	59.0	43.3
11PM-MID	320	0.0	1500	320	0	0.45	0	65.8	59.6	44.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0189
MAIN ROUTE WITH WORKS	0.0185
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$861
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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