

USH 41: STH 29 TO CTH AAA (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	538	0.0	OFF	538	0	0.00	0	65.4	65.4	65.4
1-2 AM	341	0.0	OFF	341	0	0.00	0	65.8	65.8	65.8
2-3 AM	329	0.0	OFF	329	0	0.00	0	65.8	65.8	65.8
3-4 AM	212	0.0	OFF	212	0	0.00	0	66.0	66.0	66.0
4-5 AM	182	0.0	OFF	182	0	0.00	0	66.1	66.1	66.1
5-6 AM	232	0.0	OFF	232	0	0.00	0	66.0	66.0	66.0
6-7 AM	371	0.0	OFF	371	0	0.00	0	65.7	65.7	65.7
7-8 AM	453	0.0	OFF	453	0	0.00	0	65.5	65.5	65.5
8-9 AM	809	0.0	OFF	809	0	0.00	0	64.9	64.9	64.9
9-10 AM	1238	0.0	1499	1238	0	0.68	0	64.1	55.6	37.6
10-11 AM	1827	0.0	1499	1827	0	5.13	136	63.0	29.7	30.8
11AM-NOON	2114	0.0	1499	1525	590	15.67+	397	62.5	14.2	30.8
NOON-1PM	2318	0.0	1500	1500	818	15.74+	400	62.0	14.1	30.8
1-2 PM	2378	0.0	1500	1500	878	15.73+	400	62.0	14.1	30.8
2-3 PM	2513	0.0	1500	1500	1013	15.64+	400	60.7	14.1	30.8
3-4 PM	2872	0.0	1500	1500	1372	15.34+	400	57.1	14.1	30.8
4-5 PM	2730	0.0	1500	1500	1230	15.46+	400	58.6	14.1	30.8
5-6 PM	2511	0.0	1500	1500	1011	15.64+	400	60.8	14.1	30.8
6-7 PM	1893	0.0	1500	1536	357	15.64+	395	62.8	14.2	30.8
7-8 PM	1395	0.0	OFF	1395	0	0.49	28	63.8	57.6	57.6
8-9 PM	1015	0.0	OFF	1015	0	0.00	0	64.5	64.5	64.5
9-10 PM	754	0.0	OFF	754	0	0.00	0	65.0	65.0	65.0
10-11 PM	748	0.0	OFF	748	0	0.00	0	65.0	65.0	65.0
11PM-MID	1412	0.0	OFF	1412	0	0.00	0	63.8	63.8	63.8

"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	0.0238
MAIN ROUTE WITH WORKS	0.0173
'DIVERSION'	0.0129
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$86,731
CONGESTED HOURS PER DAY*	8

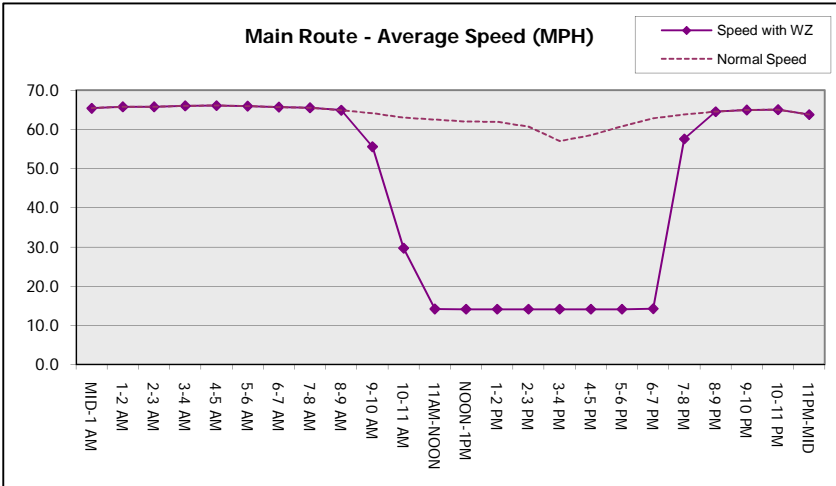
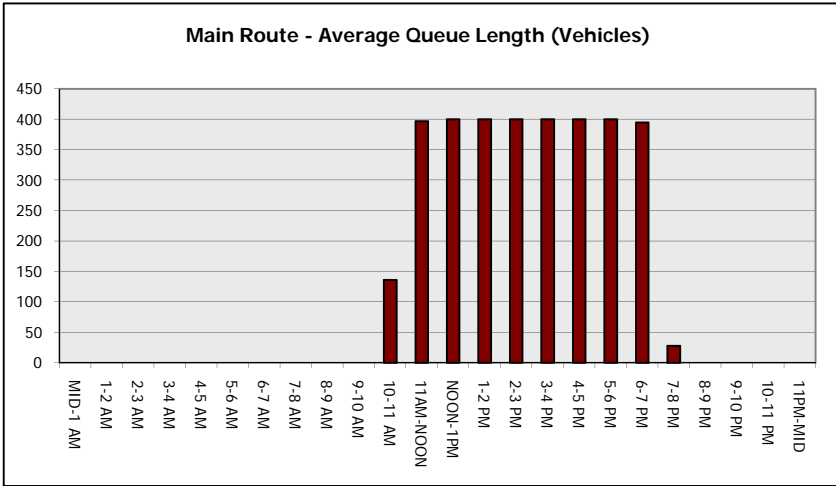
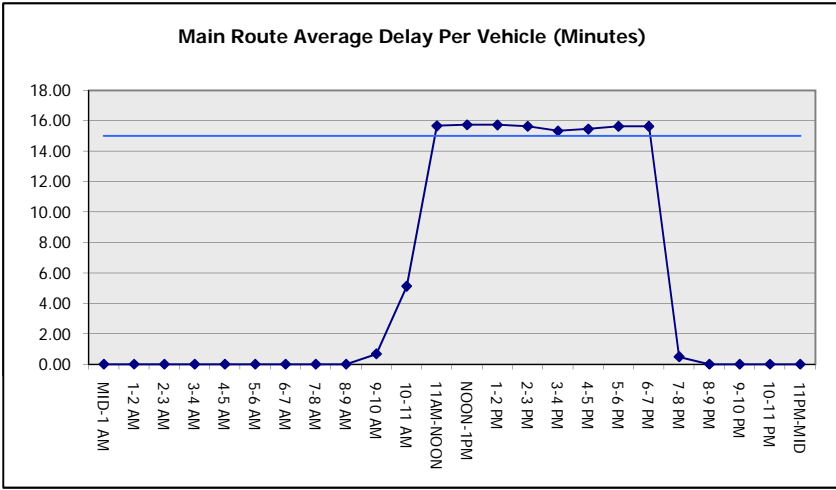
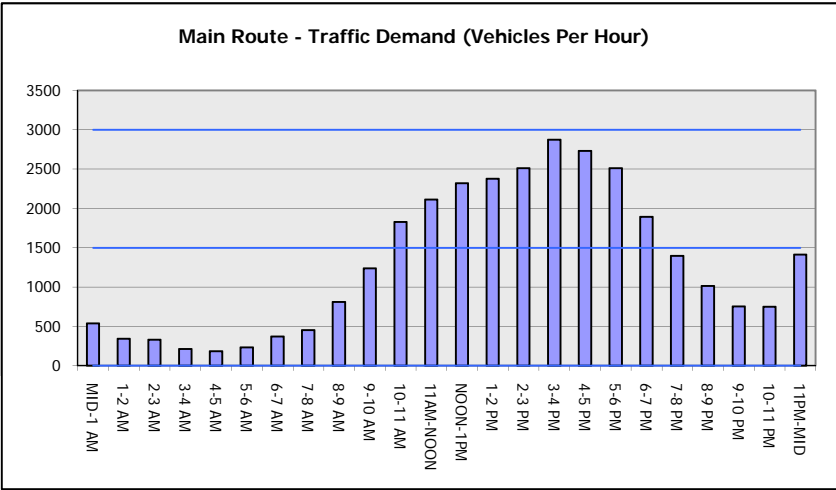
*Delays Exceeding User-Specified Maximum

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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	369	0.0	OFF	369	0	0.00	0	65.7	65.7	65.7
1-2 AM	221	0.0	OFF	221	0	0.00	0	66.0	66.0	66.0
2-3 AM	236	0.0	OFF	236	0	0.00	0	66.0	66.0	66.0
3-4 AM	172	0.0	OFF	172	0	0.00	0	66.1	66.1	66.1
4-5 AM	142	0.0	OFF	142	0	0.00	0	66.1	66.1	66.1
5-6 AM	272	0.0	OFF	272	0	0.00	0	65.9	65.9	65.9
6-7 AM	379	0.0	OFF	379	0	0.00	0	65.7	65.7	65.7
7-8 AM	676	0.0	OFF	676	0	0.00	0	65.1	65.1	65.1
8-9 AM	1285	0.0	OFF	1285	0	0.00	0	64.0	64.0	64.0
9-10 AM	1974	0.0	1499	1974	0	7.18	208	62.7	24.5	30.8
10-11 AM	2197	0.0	1500	1477	720	15.68+	397	62.3	14.2	30.8
11AM-NOON	2061	0.0	1500	1499	561	15.78+	399	62.5	14.1	30.8
NOON-1PM	1835	0.0	1499	1470	366	15.69+	396	63.0	14.2	30.8
1-2 PM	1874	0.0	1500	1500	374	15.80+	400	62.9	14.1	30.8
2-3 PM	2100	0.0	1500	1500	600	15.77+	400	62.5	14.1	30.8
3-4 PM	2340	0.0	1500	1500	840	15.74+	400	62.0	14.1	30.8
4-5 PM	2387	0.0	1500	1500	887	15.73+	400	61.9	14.1	30.8
5-6 PM	1988	0.0	1500	1500	488	15.79+	400	62.7	14.1	30.8
6-7 PM	1576	0.0	1499	1455	121	15.65+	394	63.5	14.2	30.8
7-8 PM	1163	0.0	OFF	1163	0	0.42	24	64.2	58.7	58.7
8-9 PM	848	0.0	OFF	848	0	0.00	0	64.8	64.8	64.8
9-10 PM	563	0.0	OFF	563	0	0.00	0	65.3	65.3	65.3
10-11 PM	407	0.0	OFF	407	0	0.00	0	65.6	65.6	65.6
11PM-MID	291	0.0	OFF	291	0	0.00	0	65.8	65.8	65.8

"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	0.0209
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0088

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$84,294
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SUNDAY NORTHBOUND DIRECTION

