

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

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	440	0.0	OFF	440	0	0.00	0	65.6	65.6	65.6
1-2 AM	302	0.0	OFF	302	0	0.00	0	65.8	65.8	65.8
2-3 AM	287	0.0	OFF	287	0	0.00	0	65.8	65.8	65.8
3-4 AM	196	0.0	OFF	196	0	0.00	0	66.0	66.0	66.0
4-5 AM	161	0.0	OFF	161	0	0.00	0	66.1	66.1	66.1
5-6 AM	213	0.0	OFF	213	0	0.00	0	66.0	66.0	66.0
6-7 AM	387	0.0	OFF	387	0	0.00	0	65.6	65.6	65.6
7-8 AM	549	0.0	OFF	549	0	0.00	0	65.4	65.4	65.4
8-9 AM	850	0.0	OFF	850	0	0.00	0	64.8	64.8	64.8
9-10 AM	1411	0.0	1499	1411	0	1.05	5	63.8	51.7	33.4
10-11 AM	1890	0.0	1500	1890	0	7.06	194	62.8	24.7	30.8
11AM-NOON	2104	0.0	1499	1500	604	15.77+	399	62.5	14.1	30.8
NOON-1PM	2213	0.0	1500	1500	713	15.76+	400	62.3	14.1	30.8
1-2 PM	2170	0.0	1500	1500	670	15.76+	400	62.3	14.1	30.8
2-3 PM	2149	0.0	1500	1500	649	15.76+	400	62.4	14.1	30.8
3-4 PM	2226	0.0	1500	1500	726	15.75+	400	62.2	14.1	30.8
4-5 PM	2270	0.0	1500	1500	770	15.75+	400	62.2	14.1	30.8
5-6 PM	1993	0.0	1500	1500	493	15.79+	400	62.7	14.1	30.8
6-7 PM	1730	0.0	1500	1500	230	15.82+	400	63.2	14.1	30.8
7-8 PM	1395	0.0	OFF	1395	0	0.54	32	63.8	56.9	56.9
8-9 PM	1079	0.0	OFF	1079	0	0.00	0	64.4	64.4	64.4
9-10 PM	816	0.0	OFF	816	0	0.00	0	64.9	64.9	64.9
10-11 PM	586	0.0	OFF	586	0	0.00	0	65.3	65.3	65.3
11PM-MID	397	0.0	OFF	397	0	0.00	0	65.6	65.6	65.6

"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

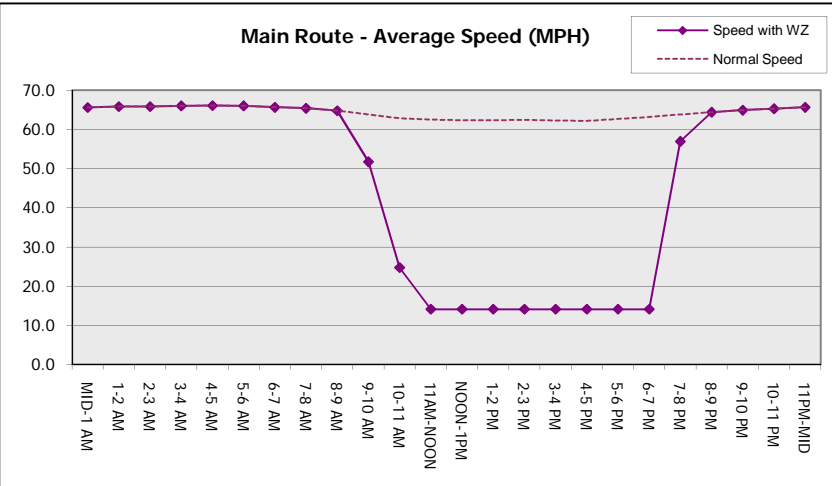
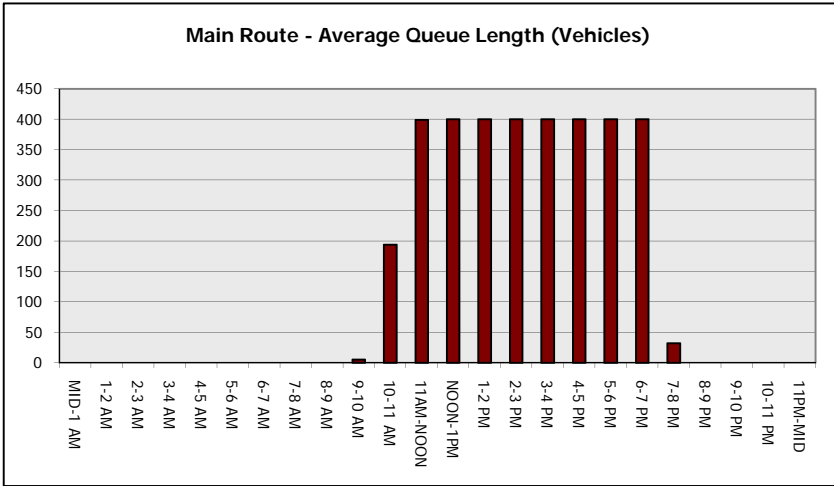
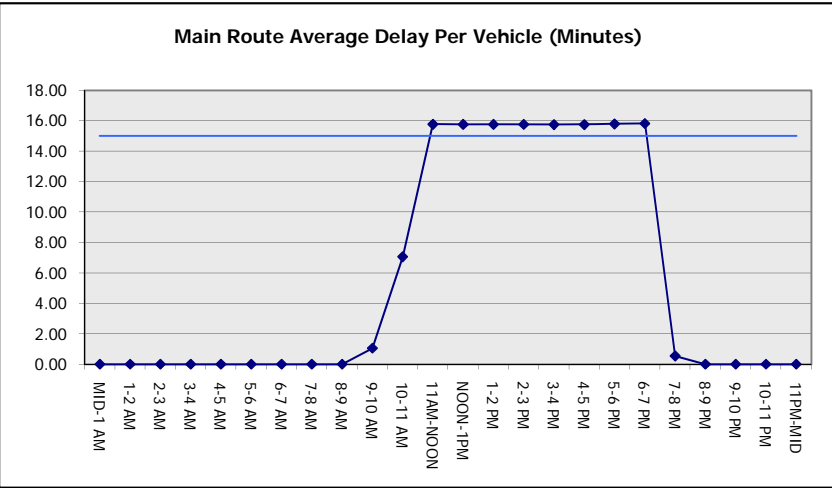
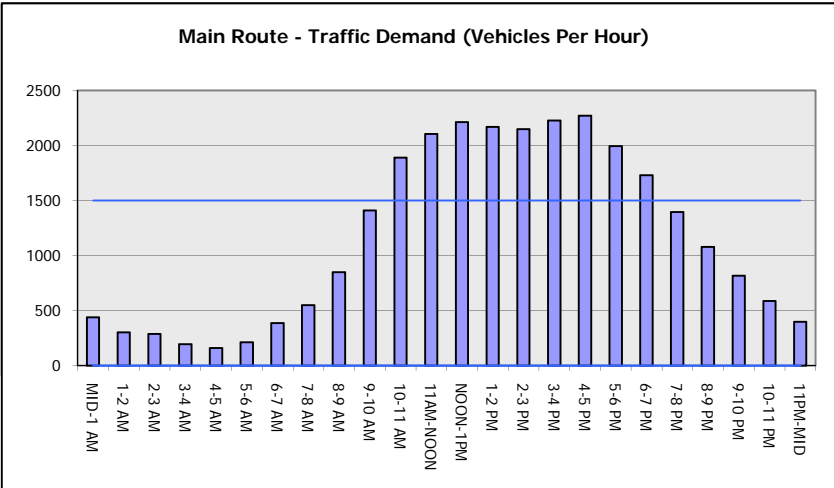
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0212
MAIN ROUTE WITH WORKS	0.0165
'DIVERSION'	0.0086
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$77,636
CONGESTED HOURS PER DAY*	8

*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	381	0.0	OFF	381	0	0.00	0	65.7	65.7	65.7
1-2 AM	236	0.0	OFF	236	0	0.00	0	66.0	66.0	66.0
2-3 AM	247	0.0	OFF	247	0	0.00	0	66.0	66.0	66.0
3-4 AM	155	0.0	OFF	155	0	0.00	0	66.1	66.1	66.1
4-5 AM	139	0.0	OFF	139	0	0.00	0	66.1	66.1	66.1
5-6 AM	329	0.0	OFF	329	0	0.00	0	65.8	65.8	65.8
6-7 AM	504	0.0	OFF	504	0	0.00	0	65.5	65.5	65.5
7-8 AM	651	0.0	OFF	651	0	0.00	0	65.1	65.1	65.1
8-9 AM	919	0.0	OFF	919	0	0.00	0	64.6	64.6	64.6
9-10 AM	1269	0.0	1499	1269	0	0.72	0	64.0	55.1	36.5
10-11 AM	1585	0.0	1499	1585	0	1.89	26	63.4	44.8	30.8
11AM-NOON	1791	0.0	1500	1791	0	8.50	218	63.0	22.0	30.8
NOON-1PM	1947	0.0	1499	1500	447	15.79+	399	62.8	14.1	30.8
1-2 PM	1795	0.0	1500	1500	295	15.81+	400	63.0	14.1	30.8
2-3 PM	1810	0.0	1500	1500	310	15.81+	400	63.0	14.1	30.8
3-4 PM	1737	0.0	1500	1500	237	15.82+	400	63.2	14.1	30.8
4-5 PM	1878	0.0	1500	1500	378	15.80+	400	62.9	14.1	30.8
5-6 PM	1606	0.0	1500	1527	79	15.71+	396	63.4	14.2	30.8
6-7 PM	1439	0.0	1499	1438	1	15.19+	382	63.7	14.6	30.8
7-8 PM	1243	0.0	OFF	1243	0	0.36	21	64.1	59.3	59.3
8-9 PM	1011	0.0	OFF	1011	0	0.00	0	64.5	64.5	64.5
9-10 PM	770	0.0	OFF	770	0	0.00	0	65.0	65.0	65.0
10-11 PM	535	0.0	OFF	535	0	0.00	0	65.4	65.4	65.4
11PM-MID	304	0.0	OFF	304	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	0.0185
MAIN ROUTE WITH WORKS	0.0162
'DIVERSION'	0.0031

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,377
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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