

USH 41: STH 55 TO CTH F (BROWN COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	292	0.0	1500	292	0	1.97	60	65.8	56.0	44.0
1-2 AM	204	0.0	1500	204	0	0.44	0	66.0	63.5	44.6
2-3 AM	155	0.0	1500	155	0	0.44	0	66.1	63.6	44.8
3-4 AM	150	0.0	1500	150	0	0.44	0	66.1	63.7	44.9
4-5 AM	155	0.0	1500	155	0	0.44	0	66.1	63.6	44.8
5-6 AM	253	0.0	1500	253	0	0.45	0	65.9	63.4	44.5
6-7 AM	385	0.0	1500	385	0	0.46	0	65.6	63.1	44.0
7-8 AM	660	0.0	1500	660	0	0.49	0	65.1	62.5	42.9
8-9 AM	861	0.0	OFF	861	0	0.00	0	64.8	64.8	64.8
9-10 AM	1051	0.0	OFF	1051	0	0.00	0	64.4	64.4	64.4
10-11 AM	1252	0.0	OFF	1252	0	0.00	0	64.0	64.0	64.0
11AM-NOON	1337	0.0	OFF	1337	0	0.00	0	63.9	63.9	63.9
NOON-1PM	1409	0.0	OFF	1409	0	0.00	0	63.8	63.8	63.8
1-2 PM	1357	0.0	OFF	1357	0	0.00	0	63.8	63.8	63.8
2-3 PM	1327	0.0	OFF	1327	0	0.00	0	63.9	63.9	63.9
3-4 PM	1300	0.0	OFF	1300	0	0.00	0	64.0	64.0	64.0
4-5 PM	1254	0.0	OFF	1254	0	0.00	0	64.0	64.0	64.0
5-6 PM	1094	0.0	OFF	1094	0	0.00	0	64.3	64.3	64.3
6-7 PM	955	0.0	1500	955	0	0.51	0	64.6	61.9	41.9
7-8 PM	758	0.0	1500	758	0	0.50	0	65.0	62.3	42.5
8-9 PM	769	0.0	1500	769	0	0.50	0	65.0	62.2	42.5
9-10 PM	1044	0.0	1499	1044	0	0.56	0	64.5	61.5	40.6
10-11 PM	1832	0.0	1499	1832	0	5.93	149	63.0	41.9	30.8
11PM-MID	1587	0.0	1499	1521	66	15.13+	381	63.4	27.7	30.8

"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	0.0423
MAIN ROUTE WITH WORKS	0.0416
'DIVERSION'	0.0003
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$9,096
CONGESTED HOURS PER DAY*	1

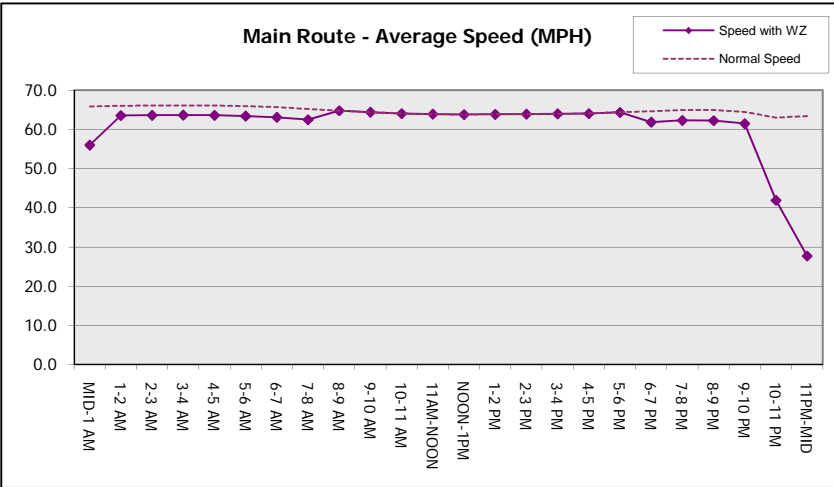
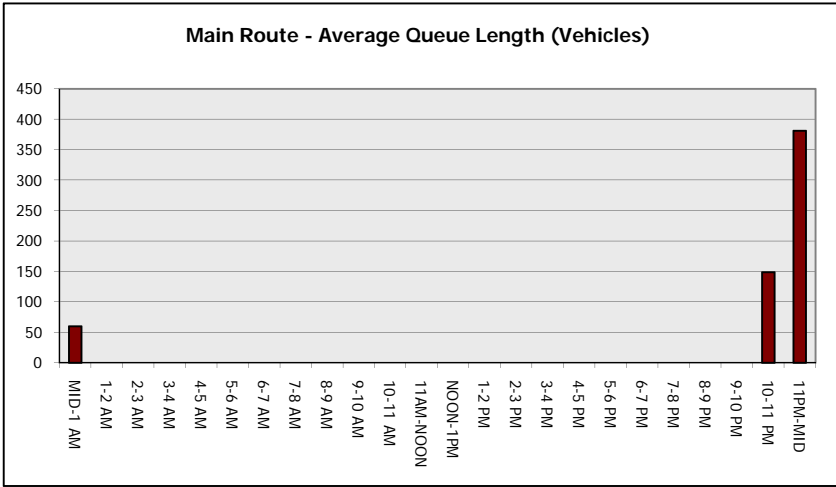
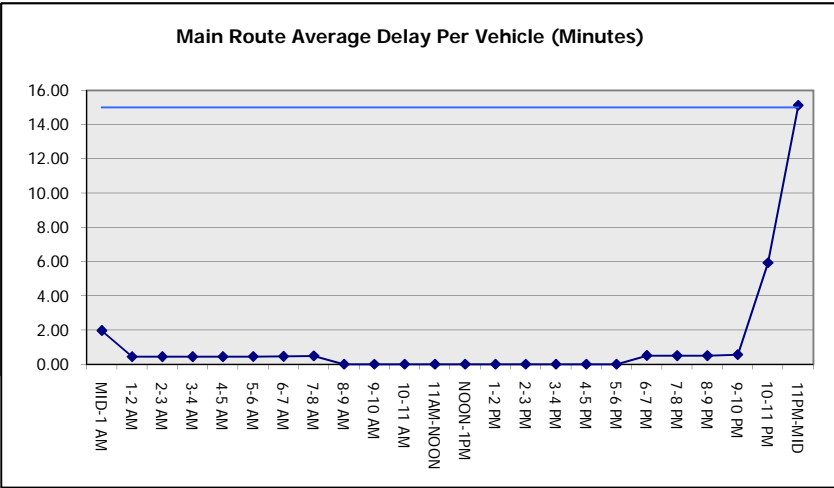
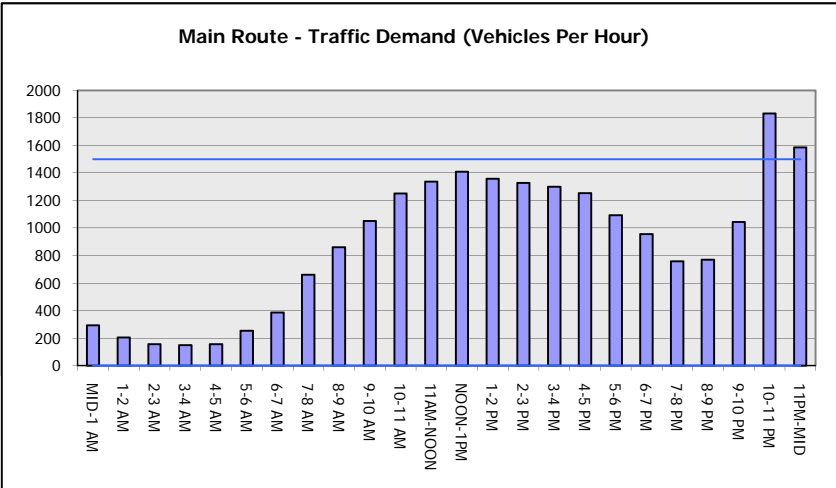
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	226	0.0	1500	226	0	0.44	0	66.0	63.5	44.6
1-2 AM	143	0.0	1500	143	0	0.44	0	66.1	63.7	44.9
2-3 AM	140	0.0	1500	140	0	0.44	0	66.1	63.7	44.9
3-4 AM	106	0.0	1500	106	0	0.43	0	66.2	63.7	45.1
4-5 AM	145	0.0	1500	145	0	0.44	0	66.1	63.7	44.9
5-6 AM	250	0.0	1500	250	0	0.45	0	65.9	63.4	44.5
6-7 AM	391	0.0	1500	391	0	0.46	0	65.6	63.1	43.9
7-8 AM	632	0.0	1500	632	0	0.48	0	65.2	62.5	43.0
8-9 AM	930	0.0	OFF	930	0	0.00	0	64.6	64.6	64.6
9-10 AM	1177	0.0	OFF	1177	0	0.00	0	64.2	64.2	64.2
10-11 AM	1438	0.0	OFF	1438	0	0.00	0	63.7	63.7	63.7
11AM-NOON	1539	0.0	OFF	1539	0	0.00	0	63.5	63.5	63.5
NOON-1PM	1551	0.0	OFF	1551	0	0.00	0	63.5	63.5	63.5
1-2 PM	1724	0.0	OFF	1724	0	0.00	0	63.2	63.2	63.2
2-3 PM	1831	0.0	OFF	1831	0	0.00	0	63.0	63.0	63.0
3-4 PM	1896	0.0	OFF	1896	0	0.00	0	62.8	62.8	62.8
4-5 PM	2020	0.0	OFF	2020	0	0.00	0	62.6	62.6	62.6
5-6 PM	1783	0.0	OFF	1783	0	0.00	0	63.1	63.1	63.1
6-7 PM	1223	0.0	1500	1223	0	0.67	0	64.1	60.6	37.8
7-8 PM	812	0.0	1500	812	0	0.50	0	64.9	62.2	42.4
8-9 PM	731	0.0	1500	731	0	0.49	0	65.0	62.3	42.7
9-10 PM	625	0.0	1500	625	0	0.48	0	65.2	62.6	43.0
10-11 PM	527	0.0	1500	527	0	0.47	0	65.4	62.8	43.4
11PM-MID	374	0.0	1500	374	0	0.46	0	65.7	63.2	44.0

"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	0.0438
MAIN ROUTE WITH WORKS	0.0434
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$770
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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