

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

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	450	0.0	1500	450	0	0.47	0	65.6	63.0	43.7
1-2 AM	220	0.0	1500	220	0	0.44	0	66.0	63.5	44.6
2-3 AM	165	0.0	1500	165	0	0.44	0	66.1	63.6	44.8
3-4 AM	121	0.0	1500	121	0	0.43	0	66.1	63.7	45.0
4-5 AM	124	0.0	1500	124	0	0.43	0	66.1	63.7	45.0
5-6 AM	145	0.0	1500	145	0	0.44	0	66.1	63.7	44.9
6-7 AM	224	0.0	1500	224	0	0.44	0	66.0	63.5	44.6
7-8 AM	379	0.0	1500	379	0	0.46	0	65.7	63.1	44.0
8-9 AM	605	0.0	1500	605	0	0.48	0	65.3	62.6	43.1
9-10 AM	980	0.0	OFF	980	0	0.00	0	64.6	64.6	64.6
10-11 AM	1375	0.0	OFF	1375	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1608	0.0	OFF	1608	0	0.00	0	63.4	63.4	63.4
NOON-1PM	1688	0.0	OFF	1688	0	0.00	0	63.2	63.2	63.2
1-2 PM	1691	0.0	OFF	1691	0	0.00	0	63.2	63.2	63.2
2-3 PM	1629	0.0	OFF	1629	0	0.00	0	63.3	63.3	63.3
3-4 PM	1707	0.0	OFF	1707	0	0.00	0	63.2	63.2	63.2
4-5 PM	1643	0.0	OFF	1643	0	0.00	0	63.3	63.3	63.3
5-6 PM	1373	0.0	OFF	1373	0	0.00	0	63.8	63.8	63.8
6-7 PM	1195	0.0	OFF	1195	0	0.00	0	64.1	64.1	64.1
7-8 PM	930	0.0	1500	930	0	0.51	0	64.6	61.9	41.9
8-9 PM	778	0.0	1500	778	0	0.50	0	65.0	62.2	42.5
9-10 PM	531	0.0	1500	531	0	0.47	0	65.4	62.8	43.4
10-11 PM	367	0.0	1500	367	0	0.46	0	65.7	63.2	44.0
11PM-MID	237	0.0	1500	237	0	0.45	0	66.0	63.5	44.5

"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

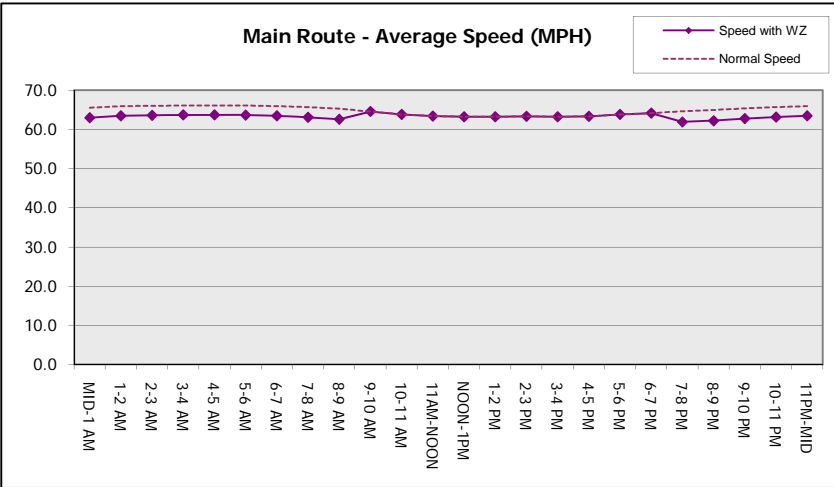
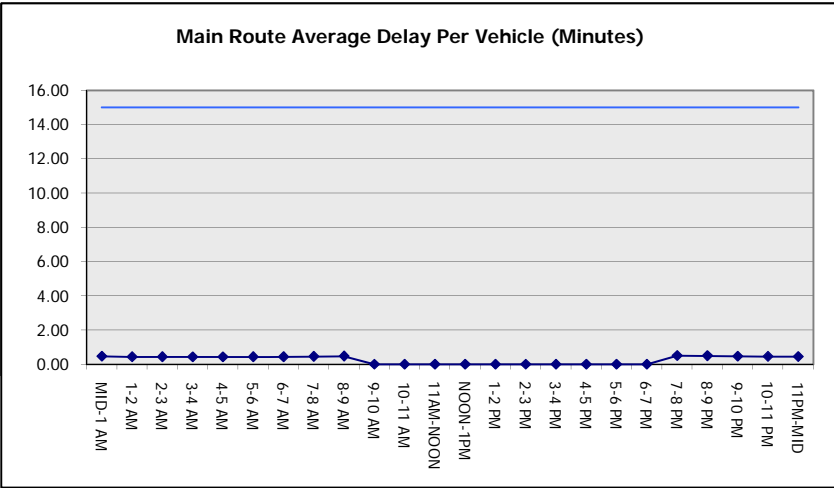
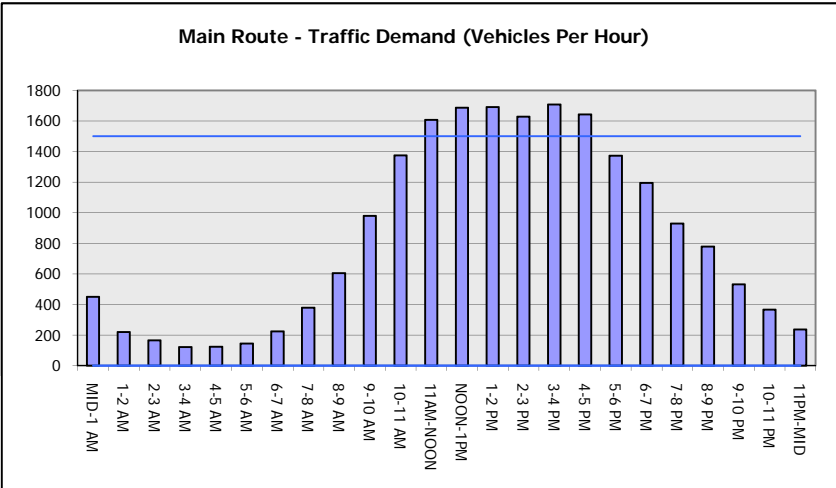
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0398
MAIN ROUTE WITH WORKS	0.0395
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$588
CONGESTED HOURS PER DAY*	0

*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	250	0.0	1500	250	0	0.45	0	65.9	63.4	44.5
1-2 AM	151	0.0	1500	151	0	0.44	0	66.1	63.7	44.9
2-3 AM	174	0.0	1500	174	0	0.44	0	66.1	63.6	44.8
3-4 AM	85	0.0	1500	85	0	0.43	0	66.2	63.8	45.1
4-5 AM	85	0.0	1500	85	0	0.43	0	66.2	63.8	45.1
5-6 AM	168	0.0	1500	168	0	0.44	0	66.1	63.6	44.8
6-7 AM	212	0.0	1500	212	0	0.44	0	66.0	63.5	44.6
7-8 AM	323	0.0	1500	323	0	0.45	0	65.8	63.2	44.2
8-9 AM	507	0.0	1500	507	0	0.47	0	65.5	62.8	43.5
9-10 AM	743	0.0	OFF	743	0	0.00	0	65.0	65.0	65.0
10-11 AM	981	0.0	OFF	981	0	0.00	0	64.6	64.6	64.6
11AM-NOON	1162	0.0	OFF	1162	0	0.00	0	64.2	64.2	64.2
NOON-1PM	1237	0.0	OFF	1237	0	0.00	0	64.1	64.1	64.1
1-2 PM	1278	0.0	OFF	1278	0	0.00	0	64.0	64.0	64.0
2-3 PM	1236	0.0	OFF	1236	0	0.00	0	64.1	64.1	64.1
3-4 PM	1281	0.0	OFF	1281	0	0.00	0	64.0	64.0	64.0
4-5 PM	1294	0.0	OFF	1294	0	0.00	0	64.0	64.0	64.0
5-6 PM	1153	0.0	OFF	1153	0	0.00	0	64.2	64.2	64.2
6-7 PM	967	0.0	OFF	967	0	0.00	0	64.6	64.6	64.6
7-8 PM	808	0.0	1500	808	0	0.50	0	64.9	62.2	42.4
8-9 PM	657	0.0	1500	657	0	0.49	0	65.1	62.5	42.9
9-10 PM	478	0.0	1500	478	0	0.47	0	65.5	62.9	43.6
10-11 PM	316	0.0	1500	316	0	0.45	0	65.8	63.3	44.2
11PM-MID	175	0.0	1500	175	0	0.44	0	66.1	63.6	44.8

"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	0.0310
MAIN ROUTE WITH WORKS	0.0307
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$481
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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