

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

MON-THUR 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	165	0.0	1500	165	0	0.44	0	66.1	63.6	44.8
1-2 AM	119	0.0	1500	119	0	0.43	0	66.1	63.7	45.0
2-3 AM	110	0.0	1500	110	0	0.43	0	66.2	63.7	45.0
3-4 AM	140	0.0	1500	140	0	0.44	0	66.1	63.7	44.9
4-5 AM	322	0.0	1500	322	0	0.45	0	65.8	63.2	44.2
5-6 AM	914	0.0	OFF	914	0	0.00	0	64.7	64.7	64.7
6-7 AM	1651	0.0	OFF	1651	0	0.00	0	63.3	63.3	63.3
7-8 AM	1833	0.0	OFF	1833	0	0.00	0	63.0	63.0	63.0
8-9 AM	1298	0.0	OFF	1298	0	0.00	0	64.0	64.0	64.0
9-10 AM	1252	0.0	OFF	1252	0	0.00	0	64.0	64.0	64.0
10-11 AM	1298	0.0	OFF	1298	0	0.00	0	64.0	64.0	64.0
11AM-NOON	1346	0.0	OFF	1346	0	0.00	0	63.9	63.9	63.9
NOON-1PM	1425	0.0	OFF	1425	0	0.00	0	63.7	63.7	63.7
1-2 PM	1507	0.0	OFF	1507	0	0.00	0	63.6	63.6	63.6
2-3 PM	1665	0.0	OFF	1665	0	0.00	0	63.3	63.3	63.3
3-4 PM	2042	0.0	OFF	2042	0	0.00	0	62.6	62.6	62.6
4-5 PM	2474	0.0	OFF	2474	0	0.00	0	61.2	61.2	61.2
5-6 PM	2017	0.0	OFF	2017	0	0.00	0	62.7	62.7	62.7
6-7 PM	1112	0.0	OFF	1112	0	0.00	0	64.3	64.3	64.3
7-8 PM	779	0.0	1500	779	0	0.50	0	65.0	62.2	42.5
8-9 PM	721	0.0	1500	721	0	0.49	0	65.0	62.3	42.7
9-10 PM	622	0.0	1500	622	0	0.48	0	65.2	62.6	43.0
10-11 PM	591	0.0	1500	591	0	0.48	0	65.3	62.7	43.2
11PM-MID	360	0.0	1500	360	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

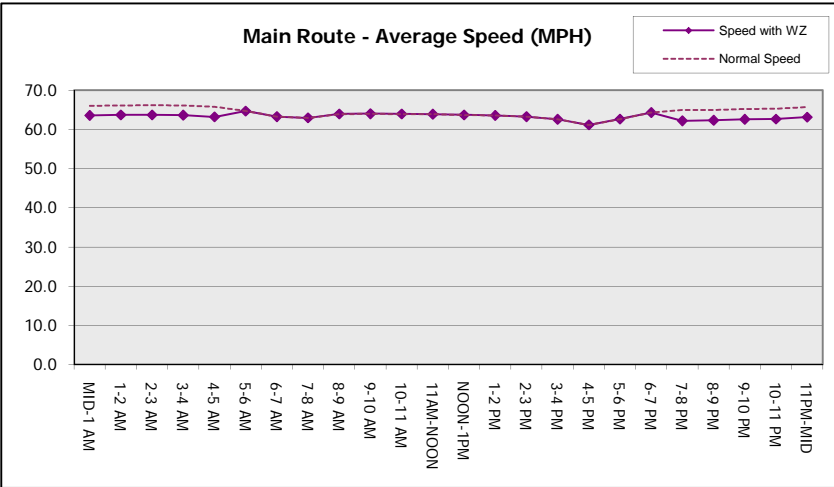
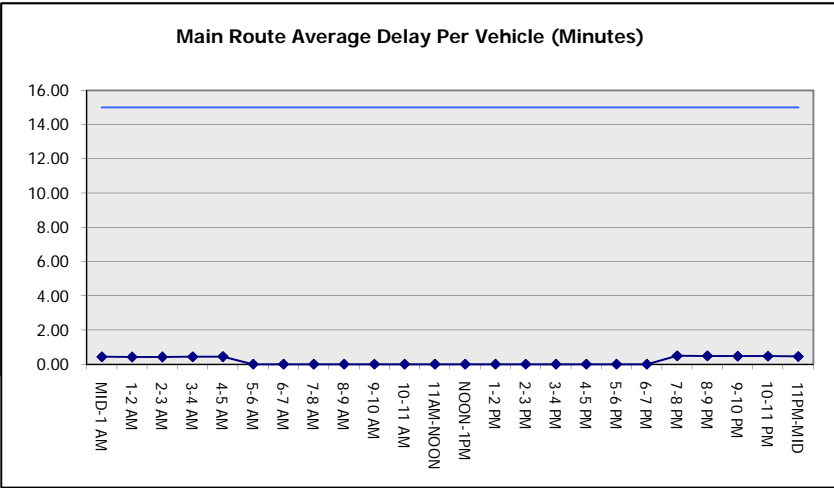
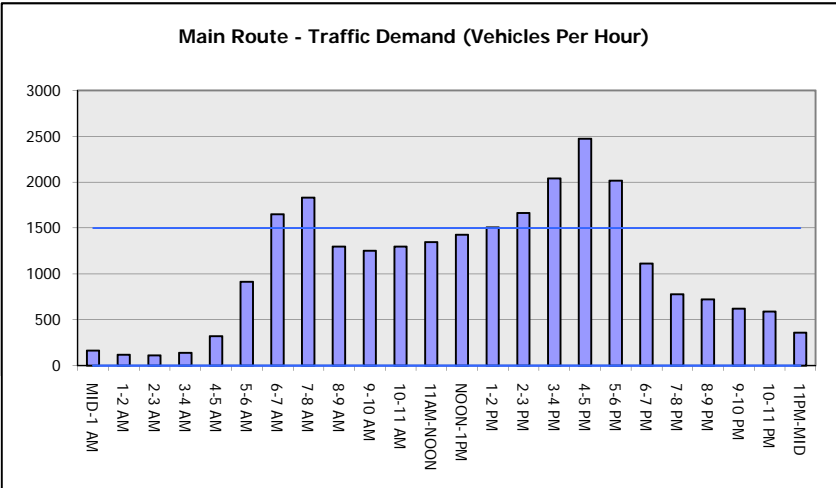
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0508
MAIN ROUTE WITH WORKS	0.0506
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$385
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	136	0.0	1500	136	0	0.44	0	66.1	63.7	45.0
1-2 AM	108	0.0	1500	108	0	0.43	0	66.2	63.7	45.1
2-3 AM	108	0.0	1500	108	0	0.43	0	66.2	63.7	45.1
3-4 AM	131	0.0	1500	131	0	0.44	0	66.1	63.7	45.0
4-5 AM	289	0.0	1500	289	0	0.45	0	65.8	63.3	44.3
5-6 AM	803	0.0	OFF	803	0	0.00	0	64.9	64.9	64.9
6-7 AM	1782	0.0	OFF	1782	0	0.00	0	63.1	63.1	63.1
7-8 AM	2223	0.0	OFF	2223	0	0.00	0	62.2	62.2	62.2
8-9 AM	1559	0.0	OFF	1559	0	0.00	0	63.5	63.5	63.5
9-10 AM	1370	0.0	OFF	1370	0	0.00	0	63.8	63.8	63.8
10-11 AM	1324	0.0	OFF	1324	0	0.00	0	63.9	63.9	63.9
11AM-NOON	1368	0.0	OFF	1368	0	0.00	0	63.8	63.8	63.8
NOON-1PM	1386	0.0	OFF	1386	0	0.00	0	63.8	63.8	63.8
1-2 PM	1414	0.0	OFF	1414	0	0.00	0	63.8	63.8	63.8
2-3 PM	1594	0.0	OFF	1594	0	0.00	0	63.4	63.4	63.4
3-4 PM	1888	0.0	OFF	1888	0	0.00	0	62.8	62.8	62.8
4-5 PM	2263	0.0	OFF	2263	0	0.00	0	62.2	62.2	62.2
5-6 PM	1938	0.0	OFF	1938	0	0.00	0	62.8	62.8	62.8
6-7 PM	1149	0.0	OFF	1149	0	0.00	0	64.3	64.3	64.3
7-8 PM	818	0.0	1500	818	0	0.50	0	64.8	62.2	42.4
8-9 PM	713	0.0	1500	713	0	0.49	0	65.1	62.3	42.7
9-10 PM	584	0.0	1500	584	0	0.48	0	65.3	62.7	43.2
10-11 PM	391	0.0	1500	391	0	0.46	0	65.6	63.1	43.9
11PM-MID	207	0.0	1500	207	0	0.44	0	66.0	63.5	44.6

"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	0.0504
MAIN ROUTE WITH WORKS	0.0502
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$340
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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