

USH 41: STH 55 TO CTH F (BROWN COUNTY) CONTINUOUS (24 HOUR) 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	1499	914	0	0.51	0	64.7	61.9	42.0	
6-7 AM	1651	0.0	1499	1651	0	2.59	46	63.3	51.9	30.8	
7-8 AM	1833	0.0	1500	1743	90	12.33+	316	63.0	30.8	30.8	
8-9 AM	1298	0.0	1499	1298	0	12.43+	311	64.0	30.9	30.8	
9-10 AM	1252	0.0	1500	1252	0	3.26	74	64.0	50.0	34.2	
10-11 AM	1298	0.0	1500	1298	0	0.76	0	64.0	60.1	35.6	
11AM-NOON	1346	0.0	1500	1346	0	0.83	0	63.9	59.6	34.3	
NOON-1PM	1425	0.0	1499	1425	0	0.93	0	63.7	59.1	32.4	
1-2 PM	1507	0.0	1499	1507	0	1.17	4	63.6	57.8	31.0	
2-3 PM	1665	0.0	1500	1665	0	3.96	84	63.3	47.3	30.8	
3-4 PM	2042	0.0	1500	1721	322	13.51+	347	62.6	29.3	30.8	
4-5 PM	2474	0.0	1500	1500	974	15.39+	400	61.2	27.0	30.8	
5-6 PM	2017	0.0	1500	1500	517	15.67+	400	62.7	27.0	30.8	
6-7 PM	1112	0.0	1499	1112	0	9.16+	249	64.3	35.9	35.0	
7-8 PM	779	0.0	1500	779	0	0.51	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	

+ 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

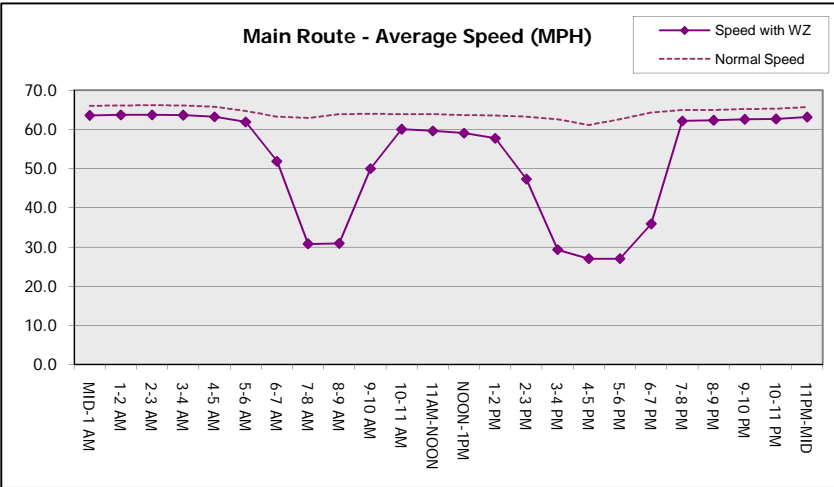
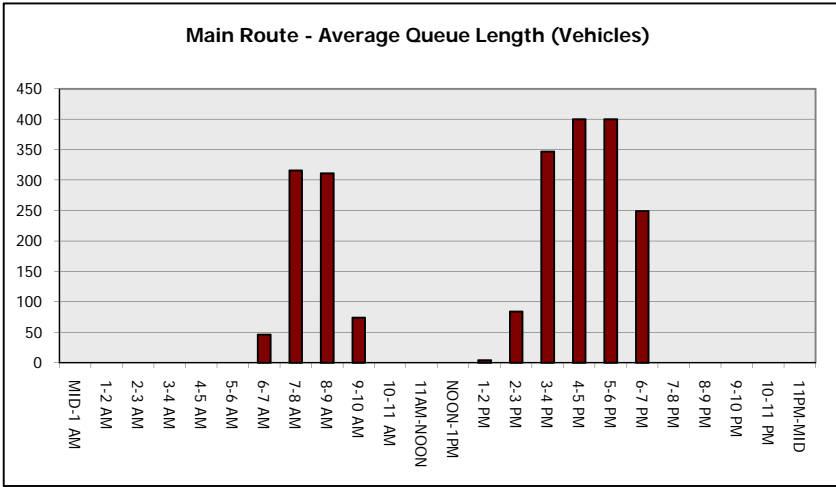
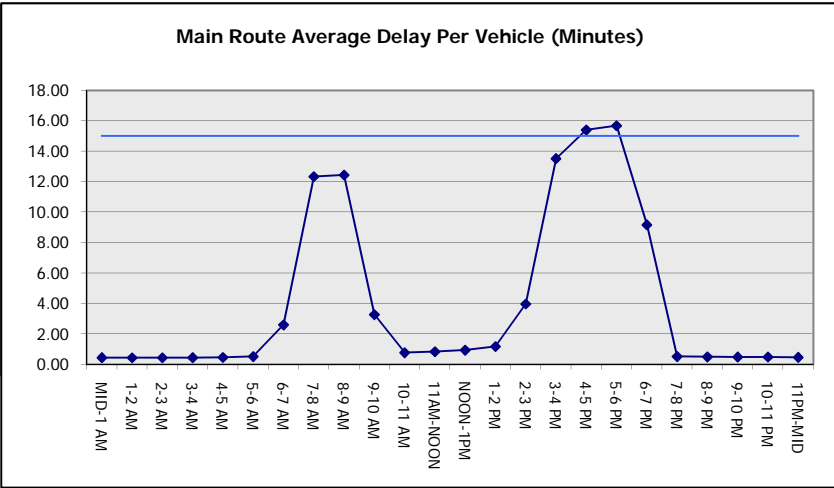
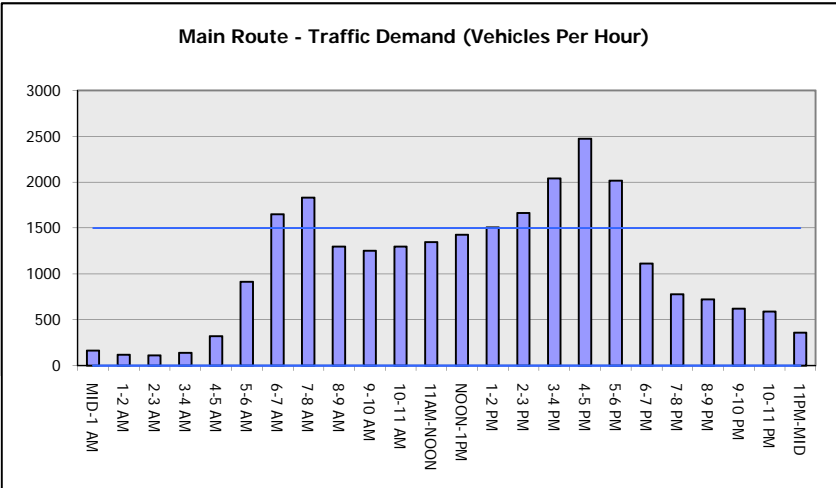
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0508
MAIN ROUTE WITH WORKS	0.0455
'DIVERSION'	0.0087
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$35,858
CONGESTED HOURS PER DAY*	6

*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	1500	803	0	0.50	0	64.9	62.2	42.4
6-7 AM	1782	0.0	1499	1782	0	4.10	96	63.1	46.8	30.8
7-8 AM	2223	0.0	1499	1595	628	15.26+	391	62.2	27.3	30.8
8-9 AM	1559	0.0	1500	1481	79	15.23+	384	63.5	27.6	30.8
9-10 AM	1370	0.0	1499	1370	0	12.10	300	63.8	31.3	30.8
10-11 AM	1324	0.0	1499	1324	0	6.02	139	63.9	42.1	31.3
11AM-NOON	1368	0.0	1500	1368	0	1.21	9	63.8	57.8	33.3
NOON-1PM	1386	0.0	1500	1386	0	0.88	0	63.8	59.4	33.3
1-2 PM	1414	0.0	1499	1414	0	0.91	0	63.8	59.1	32.7
2-3 PM	1594	0.0	1499	1594	0	2.15	32	63.4	53.6	30.8
3-4 PM	1888	0.0	1500	1881	7	10.17+	266	62.8	33.8	30.8
4-5 PM	2263	0.0	1500	1487	776	15.54+	398	62.2	27.0	30.8
5-6 PM	1938	0.0	1499	1449	489	15.51+	394	62.8	27.2	30.8
6-7 PM	1149	0.0	1499	1149	0	10.26+	271	64.3	34.1	33.8
7-8 PM	818	0.0	1500	818	0	0.60	2	64.8	61.6	42.3
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

+ 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	0.0504
MAIN ROUTE WITH WORKS	0.0450
'DIVERSION'	0.0090

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,552
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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