

USH 41: STH 55 TO CTH F (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	189	0.0	1500	189	0	0.44	0	66.0	63.5	44.7	
1-2 AM	147	0.0	1500	147	0	0.44	0	66.1	63.7	44.9	
2-3 AM	132	0.0	1500	132	0	0.44	0	66.1	63.7	45.0	
3-4 AM	120	0.0	1500	120	0	0.43	0	66.1	63.7	45.0	
4-5 AM	242	0.0	1500	242	0	0.45	0	66.0	63.4	44.5	
5-6 AM	658	0.0	1500	658	0	0.49	0	65.1	62.5	42.9	
6-7 AM	1406	0.0	1499	1406	0	1.08	5	63.8	58.4	33.7	
7-8 AM	1793	0.0	1500	1793	0	7.04	175	63.0	39.5	30.8	
8-9 AM	1261	0.0	1499	1261	0	8.71	217	64.0	36.6	32.0	
9-10 AM	1163	0.0	1500	1163	0	0.92	9	64.2	59.5	39.2	
10-11 AM	1219	0.0	1500	1219	0	0.66	0	64.1	60.7	37.9	
11AM-NOON	1355	0.0	1499	1355	0	0.84	0	63.8	59.6	34.1	
NOON-1PM	1480	0.0	1499	1480	0	1.03	1	63.7	58.4	31.3	
1-2 PM	1583	0.0	1500	1583	0	2.42	39	63.5	52.6	30.8	
2-3 PM	1697	0.0	1500	1697	0	7.24	174	63.2	39.1	30.8	
3-4 PM	1972	0.0	1500	1657	315	15.10+	385	62.7	27.6	30.8	
4-5 PM	2408	0.0	1500	1500	908	15.52+	400	61.9	27.0	30.8	
5-6 PM	2005	0.0	1500	1490	516	15.64+	398	62.7	27.0	30.8	
6-7 PM	1251	0.0	1499	1216	35	12.28+	314	64.0	31.1	31.9	
7-8 PM	805	0.0	1500	805	0	1.03	17	64.9	59.5	42.3	
8-9 PM	691	0.0	1500	691	0	0.49	0	65.1	62.4	42.8	
9-10 PM	682	0.0	1500	682	0	0.49	0	65.1	62.5	42.8	
10-11 PM	658	0.0	1500	658	0	0.49	0	65.1	62.5	42.9	
11PM-MID	406	0.0	1500	406	0	0.46	0	65.6	63.0	43.8	

+ 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

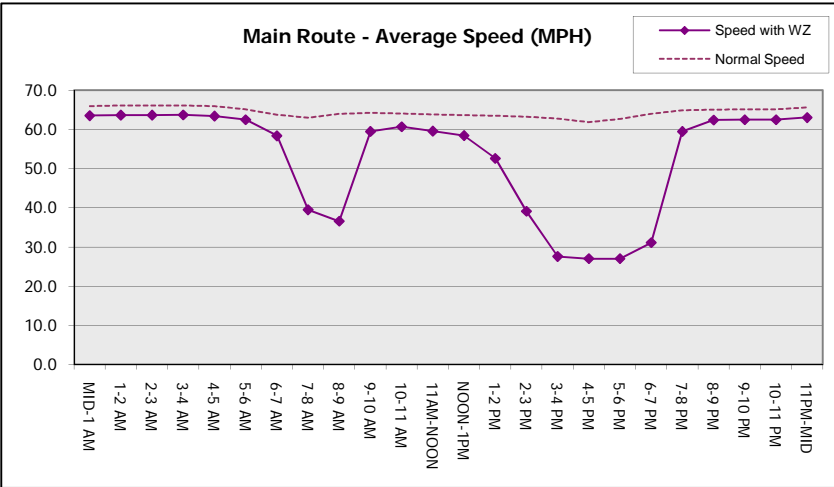
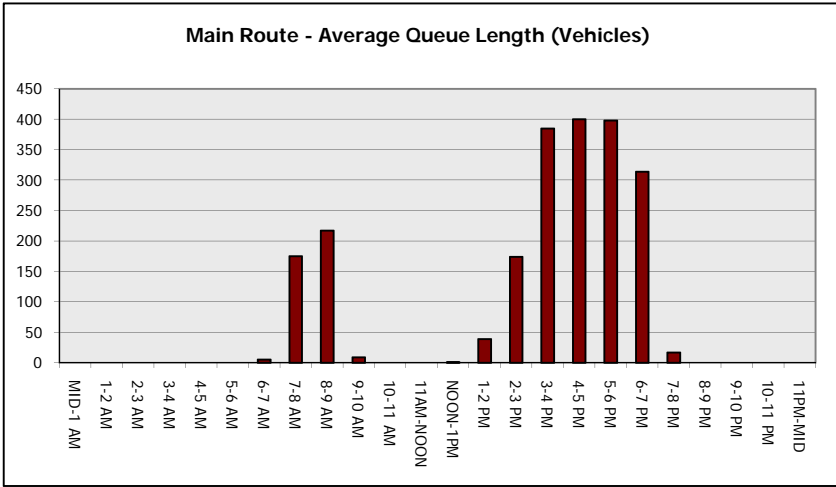
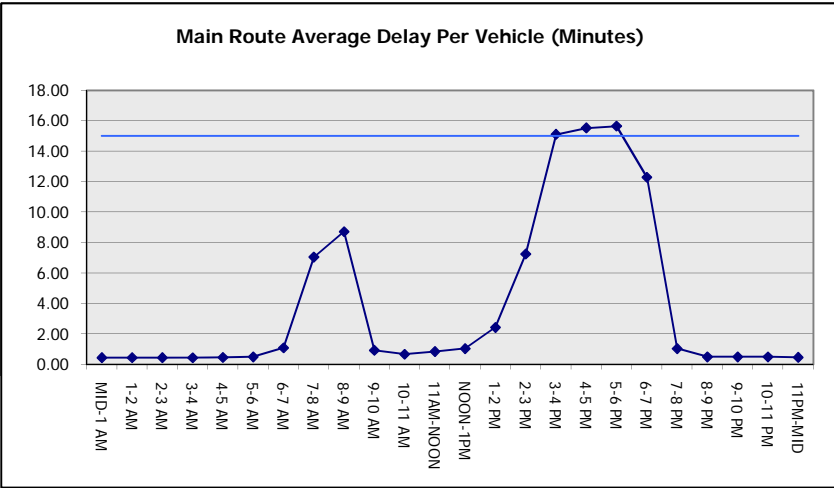
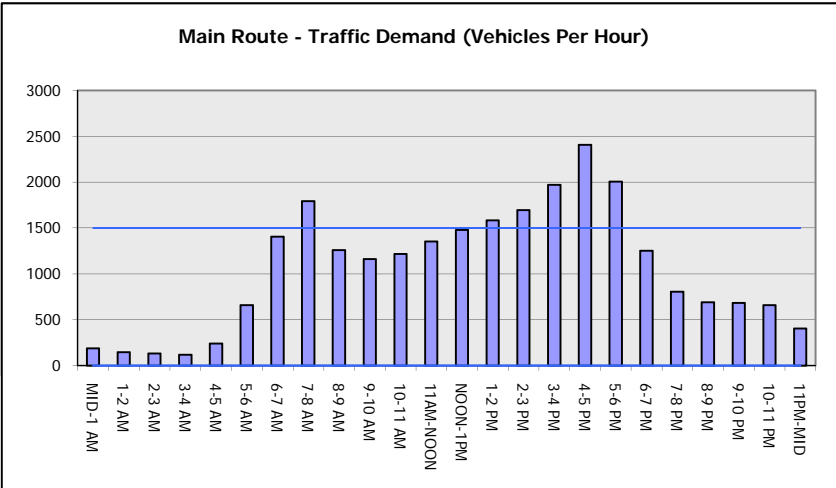
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0500
MAIN ROUTE WITH WORKS	0.0449
'DIVERSION'	0.0081
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$35,542
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	142	0.0	1500	142	0	0.44	0	66.1	63.7	44.9
1-2 AM	105	0.0	1500	105	0	0.43	0	66.2	63.7	45.1
2-3 AM	128	0.0	1500	128	0	0.43	0	66.1	63.7	45.0
3-4 AM	127	0.0	1500	127	0	0.43	0	66.1	63.7	45.0
4-5 AM	227	0.0	1500	227	0	0.44	0	66.0	63.5	44.6
5-6 AM	622	0.0	1500	622	0	0.48	0	65.2	62.6	43.0
6-7 AM	1534	0.0	1499	1534	0	1.90	30	63.5	54.6	32.9
7-8 AM	2303	0.0	1500	1786	516	13.48+	351	62.1	29.2	32.1
8-9 AM	1622	0.0	1499	1484	138	15.74+	398	63.3	27.1	30.8
9-10 AM	1344	0.0	1499	1344	0	12.95+	323	63.9	30.2	30.8
10-11 AM	1325	0.0	1500	1325	0	6.32	147	63.9	41.4	31.2
11AM-NOON	1392	0.0	1500	1392	0	1.40	13	63.8	56.9	32.6
NOON-1PM	1567	0.0	1499	1567	0	1.95	26	63.5	54.4	30.8
1-2 PM	1626	0.0	1500	1626	0	5.53	124	63.3	43.1	30.8
2-3 PM	1744	0.0	1500	1744	0	11.90+	301	63.2	31.4	30.8
3-4 PM	2054	0.0	1500	1500	554	15.66+	400	62.5	27.0	30.8
4-5 PM	2311	0.0	1499	1500	811	15.57+	400	62.1	27.0	30.8
5-6 PM	2180	0.0	1499	1500	680	15.62+	400	62.3	27.0	30.8
6-7 PM	1556	0.0	1499	1431	126	15.38+	388	63.5	27.4	30.8
7-8 PM	1215	0.0	1499	1215	0	9.54	242	64.1	35.2	32.3
8-9 PM	988	0.0	1500	988	0	0.76	7	64.5	60.5	41.7
9-10 PM	835	0.0	1500	835	0	0.50	0	64.8	62.1	42.3
10-11 PM	602	0.0	1500	602	0	0.48	0	65.3	62.6	43.1
11PM-MID	343	0.0	1500	343	0	0.46	0	65.8	63.2	44.1

+ 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	0.0551
MAIN ROUTE WITH WORKS	0.0478
'DIVERSION'	0.0129

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$56,914
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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