

<b>USH 41: STH 55 TO CTH F (BROWN COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	238	0.0	OFF	238	0	0.00	0	66.0	66.0	66.0	
1-2 AM	153	0.0	OFF	153	0	0.00	0	66.1	66.1	66.1	
2-3 AM	136	0.0	OFF	136	0	0.00	0	66.1	66.1	66.1	
3-4 AM	118	0.0	OFF	118	0	0.00	0	66.1	66.1	66.1	
4-5 AM	260	0.0	OFF	260	0	0.00	0	65.9	65.9	65.9	
5-6 AM	663	0.0	OFF	663	0	0.00	0	65.1	65.1	65.1	
6-7 AM	1320	0.0	OFF	1320	0	0.00	0	63.9	63.9	63.9	
7-8 AM	1738	0.0	OFF	1738	0	0.00	0	63.2	63.2	63.2	
8-9 AM	1289	0.0	OFF	1289	0	0.00	0	64.0	64.0	64.0	
9-10 AM	1333	0.0	OFF	1333	0	0.00	0	63.9	63.9	63.9	
10-11 AM	1443	0.0	1499	1443	0	0.95	0	63.7	58.9	32.0	
11AM-NOON	1563	0.0	1499	1563	0	1.88	24	63.5	54.7	30.8	
NOON-1PM	1677	0.0	1500	1677	0	6.26	146	63.3	41.3	30.8	
1-2 PM	1706	0.0	1499	1680	26	13.15+	332	63.2	29.9	30.8	
2-3 PM	1874	0.0	1500	1500	374	15.72+	400	62.9	27.0	30.8	
3-4 PM	2029	0.0	OFF	2029	0	0.90	44	62.6	58.2	58.2	
4-5 PM	2373	0.0	OFF	2373	0	0.00	0	62.0	62.0	62.0	
5-6 PM	2055	0.0	OFF	2055	0	0.00	0	62.5	62.5	62.5	
6-7 PM	1333	0.0	OFF	1333	0	0.00	0	63.9	63.9	63.9	
7-8 PM	913	0.0	OFF	913	0	0.00	0	64.7	64.7	64.7	
8-9 PM	741	0.0	OFF	741	0	0.00	0	65.0	65.0	65.0	
9-10 PM	682	0.0	OFF	682	0	0.00	0	65.1	65.1	65.1	
10-11 PM	594	0.0	OFF	594	0	0.00	0	65.3	65.3	65.3	
11PM-MID	426	0.0	OFF	426	0	0.00	0	65.6	65.6	65.6	

"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

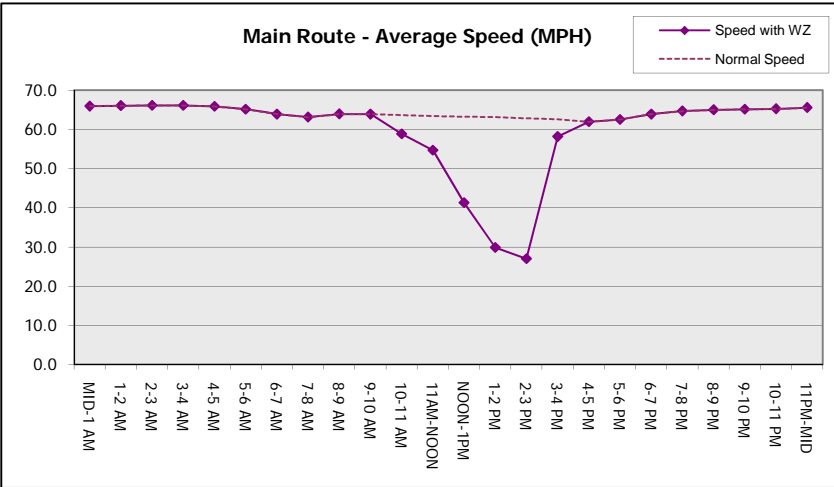
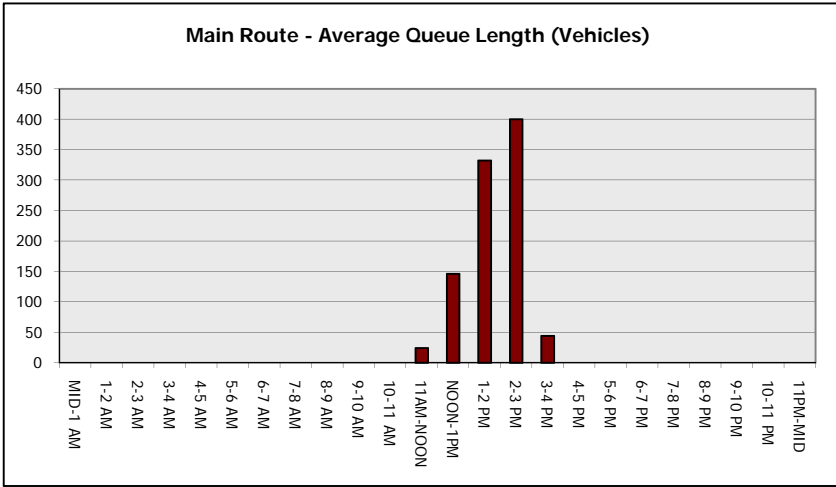
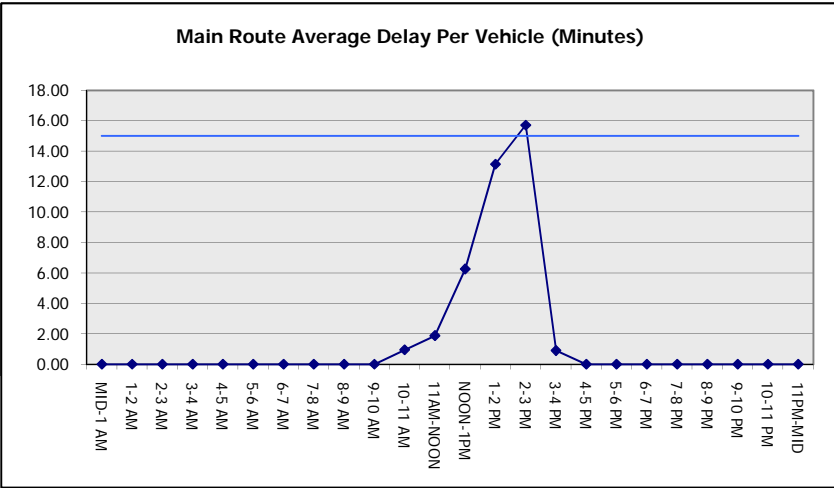
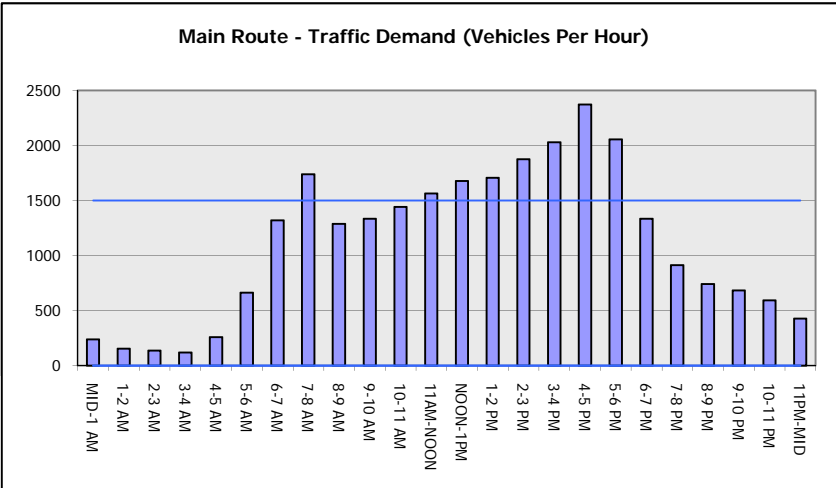
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0526
MAIN ROUTE WITH WORKS	0.0513
'DIVERSION'	0.0018
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$13,507
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
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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	204	0.0	OFF	204	0	0.00	0	66.0	66.0	66.0
1-2 AM	133	0.0	OFF	133	0	0.00	0	66.1	66.1	66.1
2-3 AM	143	0.0	OFF	143	0	0.00	0	66.1	66.1	66.1
3-4 AM	134	0.0	OFF	134	0	0.00	0	66.1	66.1	66.1
4-5 AM	229	0.0	OFF	229	0	0.00	0	66.0	66.0	66.0
5-6 AM	606	0.0	OFF	606	0	0.00	0	65.3	65.3	65.3
6-7 AM	1427	0.0	OFF	1427	0	0.00	0	63.7	63.7	63.7
7-8 AM	2115	0.0	OFF	2115	0	0.00	0	62.5	62.5	62.5
8-9 AM	1574	0.0	OFF	1574	0	0.00	0	63.5	63.5	63.5
9-10 AM	1518	0.0	OFF	1518	0	0.00	0	63.5	63.5	63.5
10-11 AM	1578	0.0	1499	1578	0	2.28	35	63.5	53.1	30.8
11AM-NOON	1639	0.0	1500	1639	0	6.17	142	63.3	41.5	30.8
NOON-1PM	1743	0.0	1500	1700	43	12.84+	325	63.2	30.2	30.8
1-2 PM	1847	0.0	1500	1500	347	15.73+	400	63.0	27.0	30.8
2-3 PM	1996	0.0	1500	1500	496	15.68+	400	62.7	27.0	30.8
3-4 PM	2127	0.0	OFF	2127	0	1.08	46	62.4	57.2	57.2
4-5 PM	2359	0.0	OFF	2359	0	0.00	0	62.0	62.0	62.0
5-6 PM	2263	0.0	OFF	2263	0	0.00	0	62.2	62.2	62.2
6-7 PM	1660	0.0	OFF	1660	0	0.00	0	63.3	63.3	63.3
7-8 PM	1246	0.0	OFF	1246	0	0.00	0	64.1	64.1	64.1
8-9 PM	1002	0.0	OFF	1002	0	0.00	0	64.5	64.5	64.5
9-10 PM	874	0.0	OFF	874	0	0.00	0	64.8	64.8	64.8
10-11 PM	607	0.0	OFF	607	0	0.00	0	65.3	65.3	65.3
11PM-MID	387	0.0	OFF	387	0	0.00	0	65.6	65.6	65.6

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0580
MAIN ROUTE WITH WORKS	0.0558
'DIVERSION'	0.0040

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$19,462
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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