

USH 41: STH 55 TO CTH F (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	292	0.0	OFF	292	0	0.00	0	65.8	65.8	65.8
1-2 AM	204	0.0	OFF	204	0	0.00	0	66.0	66.0	66.0
2-3 AM	155	0.0	OFF	155	0	0.00	0	66.1	66.1	66.1
3-4 AM	150	0.0	OFF	150	0	0.00	0	66.1	66.1	66.1
4-5 AM	155	0.0	OFF	155	0	0.00	0	66.1	66.1	66.1
5-6 AM	253	0.0	OFF	253	0	0.00	0	65.9	65.9	65.9
6-7 AM	385	0.0	OFF	385	0	0.00	0	65.6	65.6	65.6
7-8 AM	660	0.0	OFF	660	0	0.00	0	65.1	65.1	65.1
8-9 AM	861	0.0	1500	861	0	0.51	0	64.8	62.0	42.2
9-10 AM	1051	0.0	1500	1051	0	0.52	0	64.4	61.6	41.5
10-11 AM	1252	0.0	1500	1252	0	0.70	0	64.0	60.4	36.9
11AM-NOON	1337	0.0	1500	1337	0	0.81	0	63.9	59.7	34.5
NOON-1PM	1409	0.0	1500	1409	0	0.91	0	63.8	59.2	32.7
1-2 PM	1357	0.0	1500	1357	0	0.84	0	63.8	59.6	34.0
2-3 PM	1327	0.0	1500	1327	0	0.80	0	63.9	59.8	34.8
3-4 PM	1300	0.0	1500	1300	0	0.77	0	64.0	60.0	35.5
4-5 PM	1254	0.0	1500	1254	0	0.71	0	64.0	60.4	36.8
5-6 PM	1094	0.0	1500	1094	0	0.53	0	64.3	61.5	41.4
6-7 PM	955	0.0	OFF	955	0	0.00	0	64.6	64.6	64.6
7-8 PM	758	0.0	OFF	758	0	0.00	0	65.0	65.0	65.0
8-9 PM	769	0.0	OFF	769	0	0.00	0	65.0	65.0	65.0
9-10 PM	1044	0.0	OFF	1044	0	0.00	0	64.5	64.5	64.5
10-11 PM	1832	0.0	OFF	1832	0	0.00	0	63.0	63.0	63.0
11PM-MID	1587	0.0	OFF	1587	0	0.00	0	63.4	63.4	63.4

"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

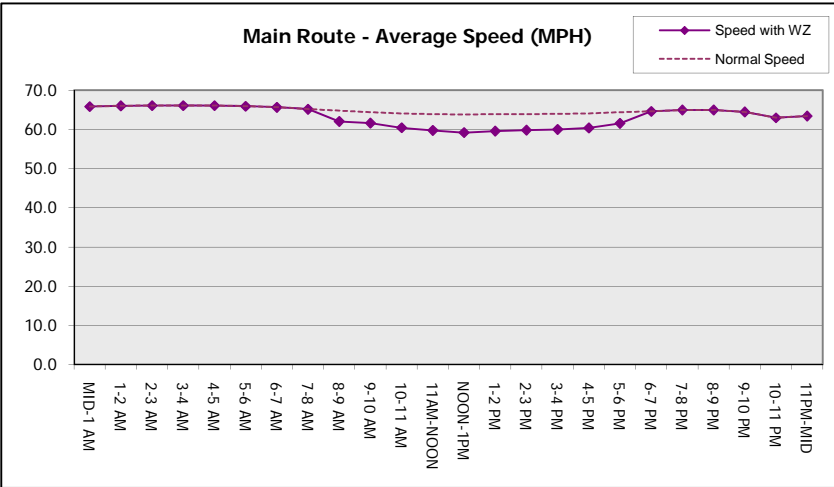
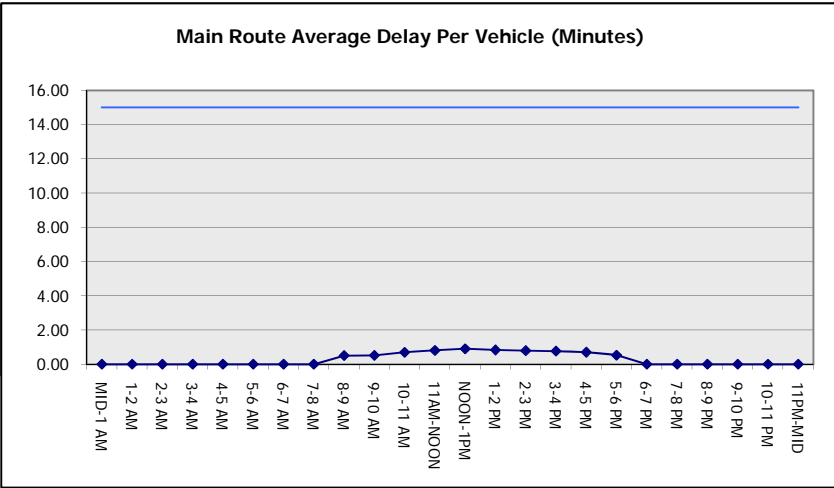
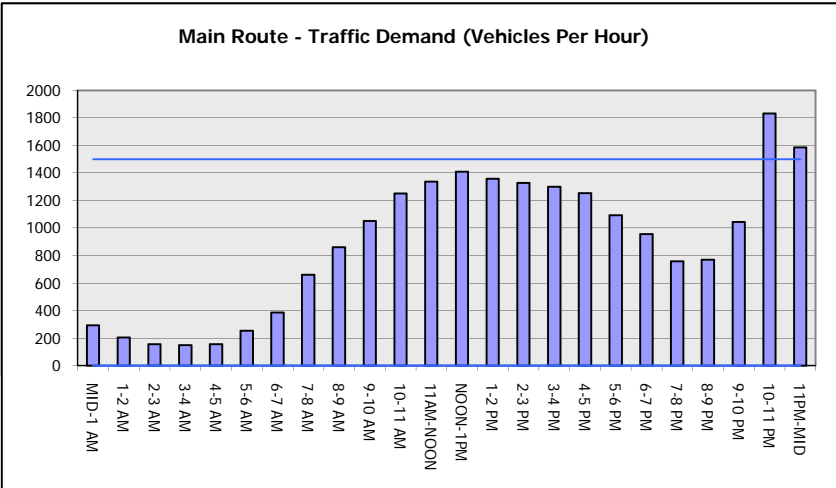
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0423
MAIN ROUTE WITH WORKS	0.0415
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,299
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	226	0.0	OFF	226	0	0.00	0	66.0	66.0	66.0
1-2 AM	143	0.0	OFF	143	0	0.00	0	66.1	66.1	66.1
2-3 AM	140	0.0	OFF	140	0	0.00	0	66.1	66.1	66.1
3-4 AM	106	0.0	OFF	106	0	0.00	0	66.2	66.2	66.2
4-5 AM	145	0.0	OFF	145	0	0.00	0	66.1	66.1	66.1
5-6 AM	250	0.0	OFF	250	0	0.00	0	65.9	65.9	65.9
6-7 AM	391	0.0	OFF	391	0	0.00	0	65.6	65.6	65.6
7-8 AM	632	0.0	OFF	632	0	0.00	0	65.2	65.2	65.2
8-9 AM	930	0.0	1500	930	0	0.51	0	64.6	61.9	41.9
9-10 AM	1177	0.0	1500	1177	0	0.61	0	64.2	61.0	39.2
10-11 AM	1438	0.0	1499	1438	0	0.94	0	63.7	58.9	32.1
11AM-NOON	1539	0.0	1499	1539	0	1.60	15	63.5	55.9	30.8
NOON-1PM	1551	0.0	1499	1551	0	3.18	58	63.5	49.9	30.8
1-2 PM	1724	0.0	1500	1724	0	7.90	193	63.2	37.8	30.8
2-3 PM	1831	0.0	1499	1606	225	15.31+	388	63.0	27.4	30.8
3-4 PM	1896	0.0	1499	1500	396	15.72+	400	62.8	27.0	30.8
4-5 PM	2020	0.0	1500	1500	520	15.67+	399	62.6	27.0	30.8
5-6 PM	1783	0.0	1499	1499	284	15.75+	399	63.1	27.0	30.8
6-7 PM	1223	0.0	OFF	1223	0	0.62	31	64.1	60.9	60.9
7-8 PM	812	0.0	OFF	812	0	0.00	0	64.9	64.9	64.9
8-9 PM	731	0.0	OFF	731	0	0.00	0	65.0	65.0	65.0
9-10 PM	625	0.0	OFF	625	0	0.00	0	65.2	65.2	65.2
10-11 PM	527	0.0	OFF	527	0	0.00	0	65.4	65.4	65.4
11PM-MID	374	0.0	OFF	374	0	0.00	0	65.7	65.7	65.7

"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	0.0438
MAIN ROUTE WITH WORKS	0.0401
'DIVERSION'	0.0065

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,658
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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