

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

SUNDAY 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	450	0.0	OFF	450	0	0.00	0	65.6	65.6	65.6
1-2 AM	220	0.0	OFF	220	0	0.00	0	66.0	66.0	66.0
2-3 AM	165	0.0	OFF	165	0	0.00	0	66.1	66.1	66.1
3-4 AM	121	0.0	OFF	121	0	0.00	0	66.1	66.1	66.1
4-5 AM	124	0.0	OFF	124	0	0.00	0	66.1	66.1	66.1
5-6 AM	145	0.0	OFF	145	0	0.00	0	66.1	66.1	66.1
6-7 AM	224	0.0	OFF	224	0	0.00	0	66.0	66.0	66.0
7-8 AM	379	0.0	OFF	379	0	0.00	0	65.7	65.7	65.7
8-9 AM	605	0.0	OFF	605	0	0.00	0	65.3	65.3	65.3
9-10 AM	980	0.0	1500	980	0	0.52	0	64.6	61.8	41.7
10-11 AM	1375	0.0	1499	1375	0	0.86	0	63.8	59.4	33.7
11AM-NOON	1608	0.0	1499	1608	0	2.57	44	63.4	52.0	30.8
NOON-1PM	1688	0.0	1500	1688	0	8.20	199	63.2	37.3	30.8
1-2 PM	1691	0.0	1500	1599	92	14.74+	372	63.2	28.1	30.8
2-3 PM	1629	0.0	1500	1500	129	15.81+	400	63.3	27.0	30.8
3-4 PM	1707	0.0	1500	1500	207	15.78+	400	63.2	27.0	30.8
4-5 PM	1643	0.0	1500	1500	143	15.80+	400	63.3	27.0	30.8
5-6 PM	1373	0.0	1499	1373	0	13.80+	345	63.8	29.2	30.8
6-7 PM	1195	0.0	1499	1195	0	5.12	131	64.1	44.5	34.3
7-8 PM	930	0.0	OFF	930	0	0.00	0	64.6	64.6	64.6
8-9 PM	778	0.0	OFF	778	0	0.00	0	65.0	65.0	65.0
9-10 PM	531	0.0	OFF	531	0	0.00	0	65.4	65.4	65.4
10-11 PM	367	0.0	OFF	367	0	0.00	0	65.7	65.7	65.7
11PM-MID	237	0.0	OFF	237	0	0.00	0	66.0	66.0	66.0

"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

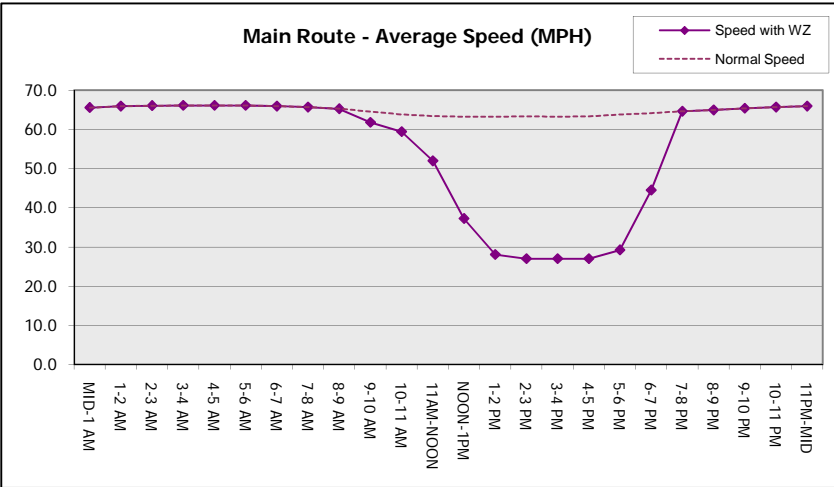
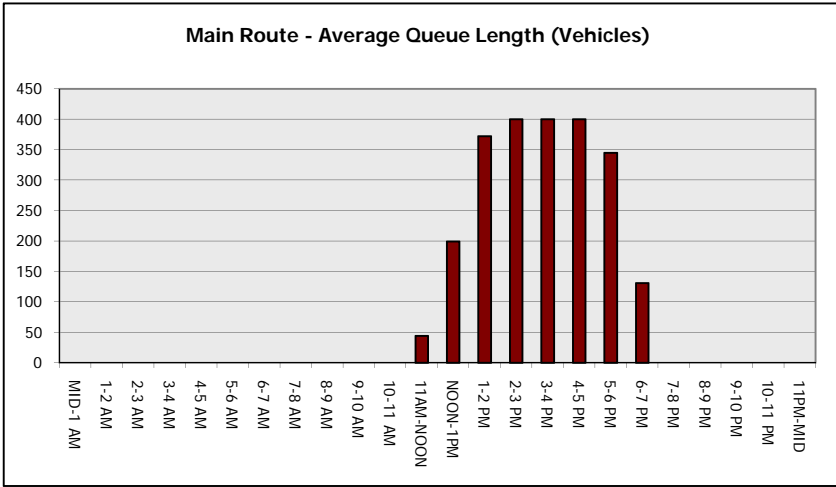
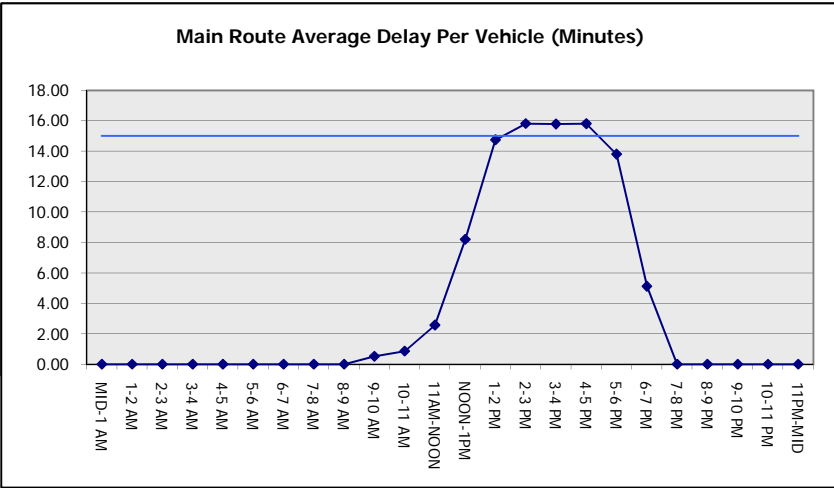
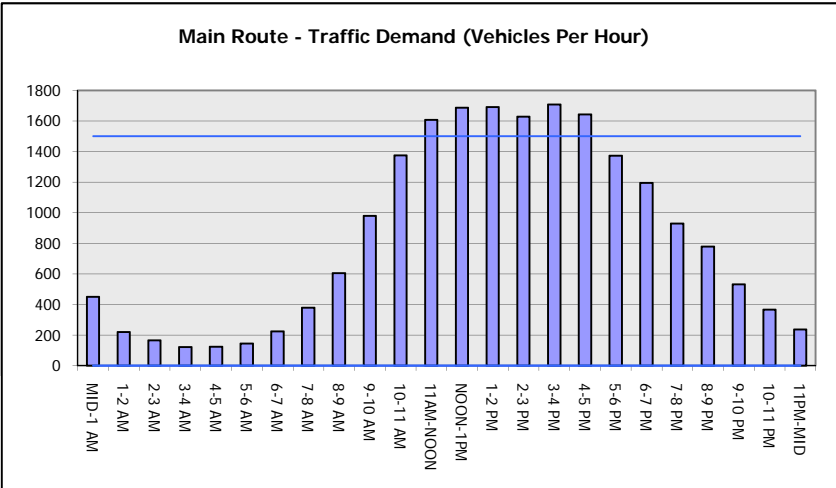
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0398
MAIN ROUTE WITH WORKS	0.0377
'DIVERSION'	0.0026
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,515
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	250	0.0	OFF	250	0	0.00	0	65.9	65.9	65.9
1-2 AM	151	0.0	OFF	151	0	0.00	0	66.1	66.1	66.1
2-3 AM	174	0.0	OFF	174	0	0.00	0	66.1	66.1	66.1
3-4 AM	85	0.0	OFF	85	0	0.00	0	66.2	66.2	66.2
4-5 AM	85	0.0	OFF	85	0	0.00	0	66.2	66.2	66.2
5-6 AM	168	0.0	OFF	168	0	0.00	0	66.1	66.1	66.1
6-7 AM	212	0.0	OFF	212	0	0.00	0	66.0	66.0	66.0
7-8 AM	323	0.0	OFF	323	0	0.00	0	65.8	65.8	65.8
8-9 AM	507	0.0	OFF	507	0	0.00	0	65.5	65.5	65.5
9-10 AM	743	0.0	1500	743	0	0.49	0	65.0	62.3	42.6
10-11 AM	981	0.0	1500	981	0	0.52	0	64.6	61.8	41.7
11AM-NOON	1162	0.0	1500	1162	0	0.59	0	64.2	61.1	39.7
NOON-1PM	1237	0.0	1500	1237	0	0.68	0	64.1	60.5	37.3
1-2 PM	1278	0.0	1500	1278	0	0.74	0	64.0	60.2	36.1
2-3 PM	1236	0.0	1500	1236	0	0.68	0	64.1	60.5	37.3
3-4 PM	1281	0.0	1500	1281	0	0.74	0	64.0	60.2	36.0
4-5 PM	1294	0.0	1500	1294	0	0.76	0	64.0	60.1	35.6
5-6 PM	1153	0.0	1500	1153	0	0.58	0	64.2	61.2	40.0
6-7 PM	967	0.0	1500	967	0	0.52	0	64.6	61.8	41.8
7-8 PM	808	0.0	OFF	808	0	0.00	0	64.9	64.9	64.9
8-9 PM	657	0.0	OFF	657	0	0.00	0	65.1	65.1	65.1
9-10 PM	478	0.0	OFF	478	0	0.00	0	65.5	65.5	65.5
10-11 PM	316	0.0	OFF	316	0	0.00	0	65.8	65.8	65.8
11PM-MID	175	0.0	OFF	175	0	0.00	0	66.1	66.1	66.1

"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	0.0310
MAIN ROUTE WITH WORKS	0.0303
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,041
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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