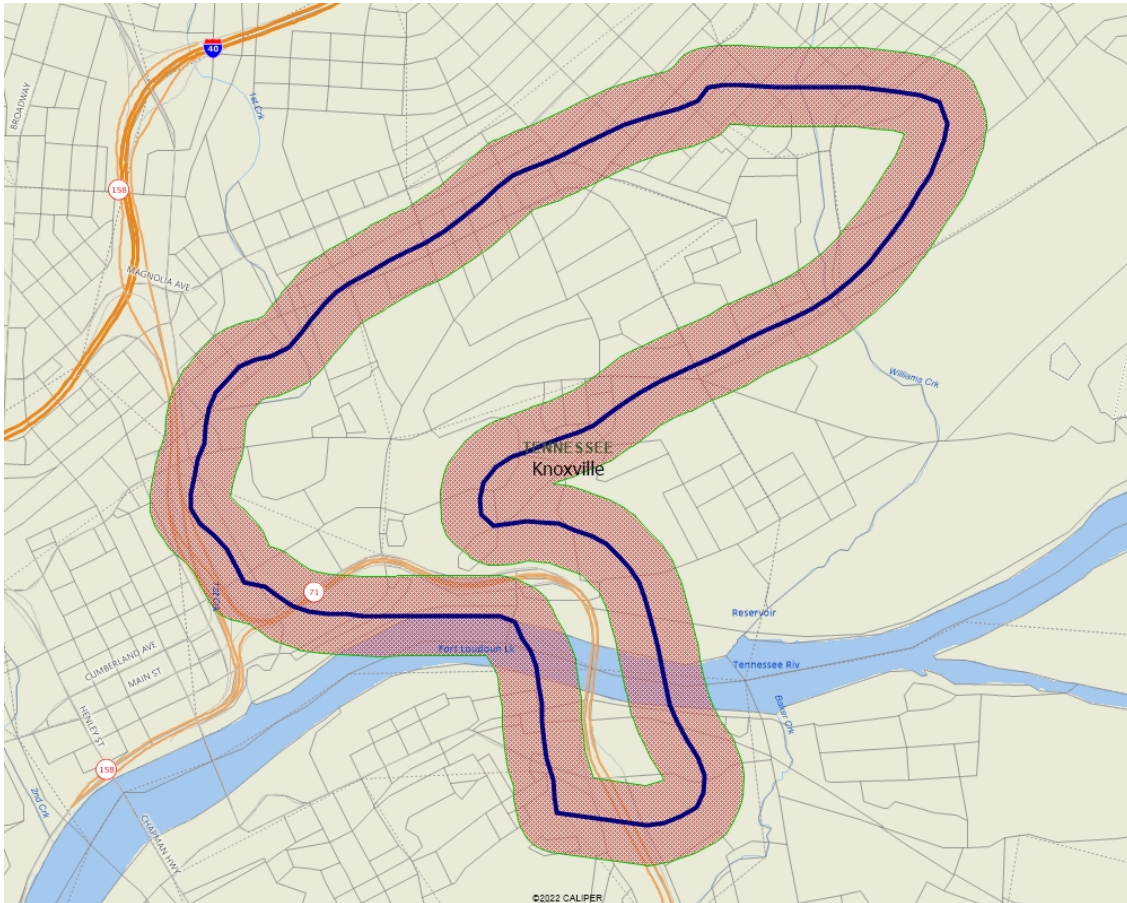


# **Appendix: FHWA Screening Tool for Equity and Analysis of Projects (STEAP)**

# Screening Tool for Equity Analysis of Projects (STEAP) Project Buffer Analysis Profile Report

Data Source: American Community Survey 2016-2020  
Prepared by FHWA Office of Planning



Analysis of 1 Buffer of Size 0.1 Miles

Reference Layers  
City/Town: Knoxville TN  
County: Knox TN  
State: Tennessee

Note; \*: The variables marked with an asterisk are estimated from Census Tract data. More information on the disaggregation method can be found on the "Help" tab of the Screening Tool for Equity Analysis of Projects webpage.

## 0.1 Miles Buffer Analysis Summary Report

	Buffer Estimates	Percent	City/Town Knoxville TN	County Knox TN	State Tennessee
<b>General Buffer Area Statistics</b>					
Land Area (in square miles)	1		99	508	41,232
Population	3,765		187,487	466,184	6,772,268
Housing Units	2,391		92,394	207,611	2,996,127
Households	1,962		82,088	189,536	2,639,455
Families	684		39,439	116,628	1,726,939
<b>Population by Race</b>					
Total	3,765	100%	187,487	466,184	6,772,268
Population Reporting One Race	3,678	98%	96%	97%	97%
White	1,538	41%	76%	85%	77%
Black	2,101	56%	17%	9%	17%
American Indian		0%	0%	0%	0%
Asian	7	0%	2%	2%	2%
Pacific Islander		0%	0%	0%	0%
Some Other Race	32	1%	2%	1%	2%
Population Reporting Two or More Races	87	2%	4%	3%	3%
<b>Population by Ethnicity</b>					
Total	3,765	100%	187,487	466,184	6,772,268
Hispanic Origin	90	2%	5%	4%	6%
Not Hispanic	3,675	98%	95%	96%	94%
<b>Total Non-Hispanic Population</b>					
Total	3,675	100%	177,344	445,629	6,395,106
White Alone	1,470	40%	77%	86%	78%
Black or African American Alone	2,086	57%	18%	9%	17%
American Indian & Alaska Native Alone		0%	0%	0%	0%
Asian Alone	7	0%	2%	2%	2%
Native Hawaiian & Other Pacific Islander Alone		0%	0%	0%	0%
Some other Race Alone	32	1%	0%	0%	0%
Two or More Race	80	2%	3%	2%	2%

Note: \* The variables marked with an asterisk are estimated from Census Tract data. More information on the disaggregation method can be found on the "Help" tab of the Screening Tool for Equity Analysis of Projects webpage.

	Buffer Estimates	Percent	City/Town Knoxville TN	County Knox TN	State Tennessee
<b>Total Hispanic Population *</b>					
Total	90	100%	10,143	20,555	377,162
Hispanic – Mexican	38	42%	41%	47%	60%
Hispanic – Puerto Rican	10	11%	12%	11%	9%
Hispanic – Cuban	5	6%	4%	5%	3%
Hispanic – Other	37	41%	43%	37%	28%

<b>Total American Indian Population *</b>					
Total		100%	525	1,197	17,178
American Indian-Cherokee		44%	22%	23%	28%
American Indian-Chippewa		0%	0%	0%	2%
American Indian-Navajo		0%	0%	1%	1%
American Indian-Sioux		0%	0%	0%	3%

<b>Population by Sex</b>					
Total	3,765	100%	187,487	466,184	6,772,268
Male	1,846	49%	48%	49%	49%
Female	1,919	51%	52%	51%	51%

<b>Population by Age</b>					
Total	3,765	100%	187,487	466,184	6,772,268
Age 0-17 (children)	690	18%	19%	21%	22%
Age 18-64 (Adult)	2,595	69%	67%	63%	61%
Age 65+ (Senior Population)	480	13%	14%	16%	16%
Age 5+ (used for "language spoken at home")	3,575	95%	94%	94%	94%
Age 16+ (used for "Labor Forces")	3,131	83%	83%	81%	80%
Age 18+ (Used for "voting age")	3,075	82%	81%	79%	78%
Age 25+ (used for "Education Attainment")	2,325	62%	64%	67%	69%

<b>Employed Population Age 16+ Years</b>					
Total	3,131	100%	155,487	379,072	5,437,242
In Labor Force	1,635	52%	64%	64%	62%
Civilian Unemployed in Labor Force	139	4%	4%	3%	3%
Not in Labor Force	1,497	48%	36%	36%	38%

Note:, \*: The variables marked with an asterisk are estimated from Census Tract data. More information on the disaggregation method can be found on the "Help" tab of the Screening Tool for Equity Analysis of Projects webpage.

	Buffer Estimates	Percent	City/Town Knoxville TN	County Knox TN	State Tennessee
<b>Population 25+ by Educational Attainment</b>					
Total	2,325	100%	119,112	312,749	4,649,847
Less than 9th Grade	117	5%	3%	3%	4%
9th - 12th Grade, No Diploma	328	14%	7%	5%	8%
High School Graduate	840	36%	27%	25%	32%
Some College, No Degree	458	20%	20%	20%	21%
Associate Degree	120	5%	8%	9%	8%
Bachelor's Degree or more	463	20%	34%	39%	28%

<b>Households by Household Size</b>					
Total Households	1,962	100%	82,088	189,536	2,639,455
1-person households	1,067	54%	40%	30%	29%
2-person households	409	21%	32%	35%	36%
3-person households	289	15%	14%	16%	16%
4-person households	74	4%	8%	12%	12%
5-person households	95	5%	4%	5%	5%
6-person households	24	1%	1%	2%	2%
7+ person households	4	0%	1%	1%	1%

<b>Households by Household Type (including Living Alone)</b>					
Total Households	1,962	100%	82,088	189,536	2,639,455
Married-Couple family households	220	11%	31%	47%	48%
Male householder, no spouse present family households	85	4%	4%	4%	5%
Female householder, no spouse present family households	379	19%	14%	11%	13%
Householder living alone – nonfamily households	1,067	54%	40%	30%	29%
Householder not living alone – nonfamily households	211	11%	12%	8%	6%

<b>Household Type for Children Under 18 years in Households *</b>					
Total Population under 18 years in households (excluding householders, spouse and unmarried partners)	690	100%	35,225	97,893	1,503,947
Married-couple household	127	18%	55%	70%	64%
Cohabiting couple household	51	7%	8%	6%	8%
In male householder, no spouse/partner present household	27	4%	4%	5%	5%

Note:, \*: The variables marked with an asterisk are estimated from Census Tract data. More information on the disaggregation method can be found on the "Help" tab of the Screening Tool for Equity Analysis of Projects webpage.

	Buffer Estimates	Percent	City/Town Knoxville TN	County Knox TN	State Tennessee
In female householder, no spouse/partner present household	485	70%	32%	20%	23%

### Households by Household Income

Household Income Base	1,962	100%	82,088	189,536	2,639,455
< \$15,000	797	41%	17%	11%	12%
\$15,000 - \$25,000	345	18%	14%	10%	10%
\$25,000 - \$35,000	192	10%	13%	9%	10%
\$35,000 - \$50,000	259	13%	15%	13%	14%
\$50,000 - \$75,000	204	10%	17%	18%	18%
\$75,000 +	165	8%	25%	40%	36%

### Selected Monthly Owner Costs as a % of Household Income in the past 12 months (with or without mortgage)

Total Owner-Occupied Housing Units	454	100%	38,490	123,272	1,756,534
Less than 10.0%	103	23%	20%	27%	26%
10.0 to 14.9%	125	27%	19%	20%	20%
15.0 to 19.9%	49	11%	18%	18%	17%
20.0 to 24.9%	58	13%	14%	12%	11%
25.0 to 29.9%	35	8%	8%	7%	7%
30.0 to 34.9%	23	5%	5%	4%	5%
35.0 to 39.9%	20	4%	4%	3%	3%
40.0 to 49.9%	16	3%	5%	3%	3%
50.0% or more	24	5%	8%	6%	7%
Not computed	2	1%	1%	1%	1%

### Gross Rent as a % of Household Income in the past 12 months

Total Renter-Occupied Housing Units	1,508	100%	43,598	66,264	882,921
Less than 10.0%	92	6%	2%	3%	4%
10.0 to 14.9%	107	7%	7%	8%	9%
15.0 to 19.9%	106	7%	12%	13%	12%
20.0 to 24.9%	129	9%	12%	13%	12%
25.0 to 29.9%	245	16%	12%	11%	11%
30.0 to 34.9%	148	10%	8%	8%	8%
35.0 to 39.9%	64	4%	5%	5%	6%

Note: \* The variables marked with an asterisk are estimated from Census Tract data. More information on the disaggregation method can be found on the "Help" tab of the Screening Tool for Equity Analysis of Projects webpage.

	Buffer Estimates	Percent	City/Town Knoxville TN	County Knox TN	State Tennessee
40.0 to 49.9%	145	10%	10%	9%	8%
50.0% or more	301	20%	24%	21%	20%
Not computed	172	11%	7%	8%	10%

Monthly Housing Cost *					
Total Occupied Housing Units	1,962	100%	82,088	189,536	2,639,455
Less than \$199	221	11%	2%	2%	3%
\$200 to \$399	497	25%	12%	13%	14%
\$400 to \$599	222	11%	12%	12%	13%
\$600 to \$799	250	13%	16%	12%	13%
\$800 to \$999	244	12%	19%	15%	14%
\$1000 to \$1499	288	15%	26%	26%	23%
\$1500 to \$1999	97	5%	7%	11%	10%
\$2000 to \$2499	31	2%	2%	4%	4%
\$2500 to \$2999	1	0%	1%	2%	2%
\$3000 or more	1	0%	2%	2%	2%
No Cash Rent	111	6%	2%	2%	3%

Population in Poverty by Race *					
Total (Population for whom poverty status is determined)	3,715	100%	179,713	455,044	6,603,468
People in Poverty - White Alone	626	17%	14%	9%	9%
People in Poverty - Black or African American Alone	941	25%	6%	3%	4%
People in Poverty - American Indian & Alaska Native Alone		0%	0%	0%	0%
People in Poverty - Asian Alone	5	0%	0%	0%	0%
People in Poverty - Native Hawaiian & other Pacific Islander Alone		0%	0%	0%	0%
People in Poverty - Some Other Race Alone		0%	0%	0%	0%
People in Poverty - Two or More Race	60	2%	1%	1%	1%

Population in Poverty by Age *					
Total (Population for whom poverty status is determined)	3,715	100%	179,713	455,044	6,603,468
People in Poverty – Age 0-5	200	5%	2%	1%	2%
People in Poverty – Age 6-17	253	7%	4%	2%	3%
People in Poverty – Age 18-24	391	11%	6%	3%	2%
People in Poverty – Age 25-64	668	18%	9%	6%	7%
People in Poverty – Age 65+	120	3%	2%	1%	2%

Note:, \*: The variables marked with an asterisk are estimated from Census Tract data. More information on the disaggregation method can be found on the "Help" tab of the Screening Tool for Equity Analysis of Projects webpage.

	Buffer Estimates	Percent	City/Town Knoxville TN	County Knox TN	State Tennessee
--	---------------------	---------	---------------------------	-------------------	--------------------

<b>Vehicle Ownership</b>					
Total Households	1,962	100%	82,088	189,536	2,639,455
Zero Vehicle Households	779	40%	10%	6%	6%
One Vehicle Households	658	34%	40%	31%	31%
Two Vehicle Households	314	16%	34%	40%	38%
Three or More Vehicle Households	211	11%	15%	23%	26%

<b>Foreign Born Population *</b>					
Total (regardless of citizenship status)	232	100%	11,432	24,339	347,210
Foreign Born – Europe	5	2%	15%	15%	11%
Foreign Born – Asia	5	2%	34%	41%	31%
Foreign Born – Africa	151	65%	13%	9%	11%
Foreign Born – Oceania	15	7%	0%	1%	0%
Foreign Born – Latin America	48	21%	36%	32%	45%
Foreign Born – Northern America	7	3%	1%	2%	2%

<b>Population Age 5+ Years by Ability to Speak English</b>					
Total	3,575	100%	177,036	439,589	6,365,282
Speak only English	3,352	94%	93%	94%	93%
Non-English at Home	223	6%	7%	6%	7%
Speak English "very well"	117	3%	4%	4%	4%
Speak English "well"	26	1%	1%	1%	1%
Speak English "not well"	78	2%	1%	1%	1%
Speak English "not at all"	3	0%	0%	0%	0%

<b>Linguistically Isolated Households (Household Limited English Speaking Status)</b>					
Total Households	1,962	100%	82,088	189,536	2,639,455
Speak Spanish	47	2%	3%	3%	4%
Speak Other Indo-European Languages	30	2%	2%	2%	2%
Speak Asian-Pacific Island Languages	9	0%	1%	1%	1%
Speak Other Languages	46	2%	1%	1%	1%

Note: \*: The variables marked with an asterisk are estimated from Census Tract data. More information on the disaggregation method can be found on the "Help" tab of the Screening Tool for Equity Analysis of Projects webpage.



	<b>Buffer Estimates</b>	<b>Percent</b>	<b>City/Town Knoxville TN</b>	<b>County Knox TN</b>	<b>State Tennessee</b>
<b>Other Vulnerable Populations or Households</b>					
Total Population	3,071	100%	152,010	367,613	5,245,174
Number of Veterans (18+)	118	4%	7%	8%	8%
Number of People with Disabilities (Civilian Non-Inst) *	593	19%	17%	15%	20%
Total Households	1,962	100%	82,088	189,536	2,639,455
Number of Households with no Computers	444	23%	10%	8%	11%
Number of Households with no Internet Connection	599	31%	16%	12%	15%