

KY 1194 Corridor Study

Item No. 8-80203.00

Lincoln County

Socioeconomic Study

March 18, 2025

Prepared for

Kentucky Transportation Cabinet (KYTC) – Division of Planning



Prepared By

David Gambrel
Regional Transportation Planner
Bluegrass Area Development District



Bluegrass Area
Development
District

Introduction

This report presents an overview of the findings for selected socioeconomic characteristics for the KY 1194 Corridor Study in Lincoln County. The purpose of this study is to analyze existing conditions and proposed future traffic to identify options for addressing geometric deficiencies and improving safety along KY 1194 and connectivity of US 127 to US 27. Additional tasks include refining the study goals and objectives, providing cost estimates for improvement options, quantifying the benefits of build scenarios, conducting stakeholder involvement activities, and delivering a technical report.

The information in this report outlines 2022: 5-Year Estimates American Community Survey (ACS) statistics in and near the project area using tables, charts, and maps. The data presented in this document is intended to highlight areas of concern that will require additional analysis should any project be advanced to future phases. Statistics are provided for minority, elderly, poverty status, limited English proficiency (LEP), and disabled populations for the nation, state, region, county, and block groups located within the project area.

This information is intended to aid the Kentucky Transportation Cabinet (KYTC) in making informed and prudent transportation decisions in the project area.

The U.S. DOT specifically encourages the early examination of potential populations protected by the Title VI of the Civil Rights Act of 1964 and related nondiscrimination statuses.

Limited English proficiency (LEP) is a term used in the United States that refers to a person who is not fluent in the English language, often because it is not their native language. Both LEP and English-language learner (ELL) are terms used by the Office for Civil Rights, a sub-agency of the U.S. Department of Education.

Definitions

The U.S. Census Bureau defines geographical units as:

Block Group as BG – A statistical subdivision of a CT. A BG consists of all tabulation blocks whose numbers begin with the same digit in a CT. BGs generally contain between 300 and 3,000 people, with an optimum size of 1,500 people.

Census Tract as CT – A small, relatively permanent statistical subdivision of a county or statistically equivalent entity delineated for data presentation purposes by a local group of census data users or the geographic staff of a regional census center in accordance with Census Bureau guidelines. CTs generally contain between 1,000 and 8,000 people. CT boundaries are delineated with the intention of being stable over many decades, so they generally follow relatively permanent visible features. They may also follow governmental unit boundaries and other invisible features in some instances; the boundary of a state or county is always a census tract boundary.

Methodology

The demographics of the affected area should be defined using U.S. Census Bureau data and the percentages for minorities, poverty status, elderly, LEP, and disabled populations should be compared to the Census tracts and block groups, the Commonwealth of Kentucky, and the United States.

The primary source of data for this report is the 2018-2022 US Census Bureau American Community Survey including tables:

- B01001 - Sex by Age
- B03002 - Hispanic or Latino Origin by Race
- B16004 - Age by Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over
- B17021 - Poverty Status of Individuals in the Past 12 Months by Living Arrangement
- C21007 - Age by Veteran Status by Poverty Status in the Past 12 Months by Disability Status

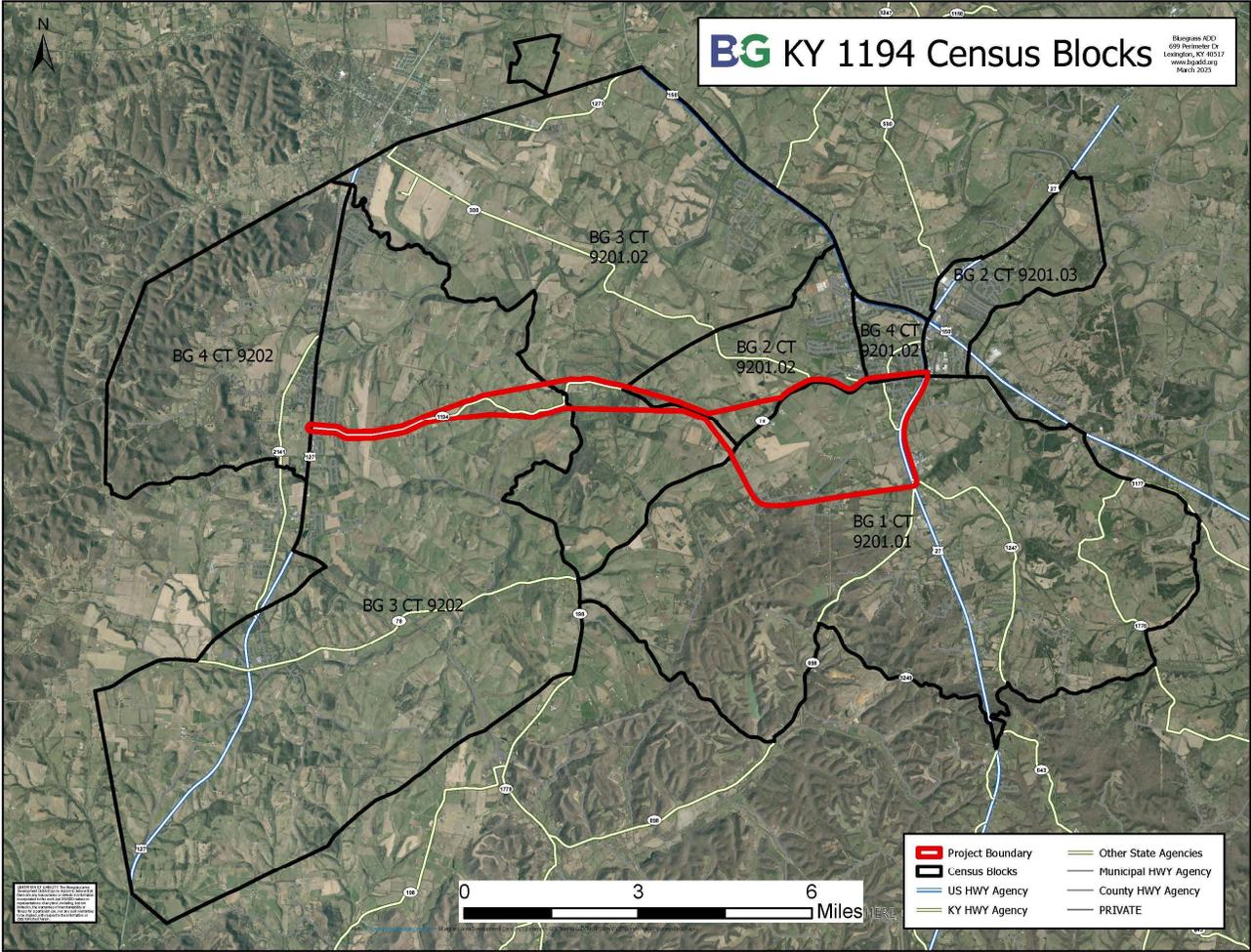
The data presented in this document is intended to highlight areas of concern that will require additional analysis should any project be advanced to future phases.

The Census tables in this report include the total number and percentages for minorities, elderly, low-income, LEP, and disabled population levels for the nation, state, region, and block group/census tracts. Though the United States, and the Commonwealth of Kentucky will be included for a more thorough approach to the data, Lincoln County will serve as the sole comparative threshold for this study.

The methodologies used in this planning document are appropriate for identifying possible areas of concern in small urban areas and potential project corridors. However, during future phases of project development a more detailed and robust analysis may identify the potential for impacts to low-income and minority populations.

Study Area

The project study area is a corridor study for the KY 1194 corridor near Stanford in Lincoln County, stretching between US 127 and US 27. The study is comprised of three distinct areas: improving existing KY 1194 west of KY 78 (6.6 miles), extending the KY 1194 corridor to US 27 (2+ miles of new alignment), and complete streets elements for KY 78 downtown.”



There are seven Lincoln County Block Groups in this study area.

1. Census Tract 9201.01, Block Group 1
2. Census Tract 9201.02, Block Group 2
3. Census Tract 9201.02, Block Group 3
4. Census Tract 9201.02, Block Group 4
5. Census Tract 9201.03, Block Group 2
6. Census Tract 9202, Block Group 3
7. Census Tract 9202, Block Group 4

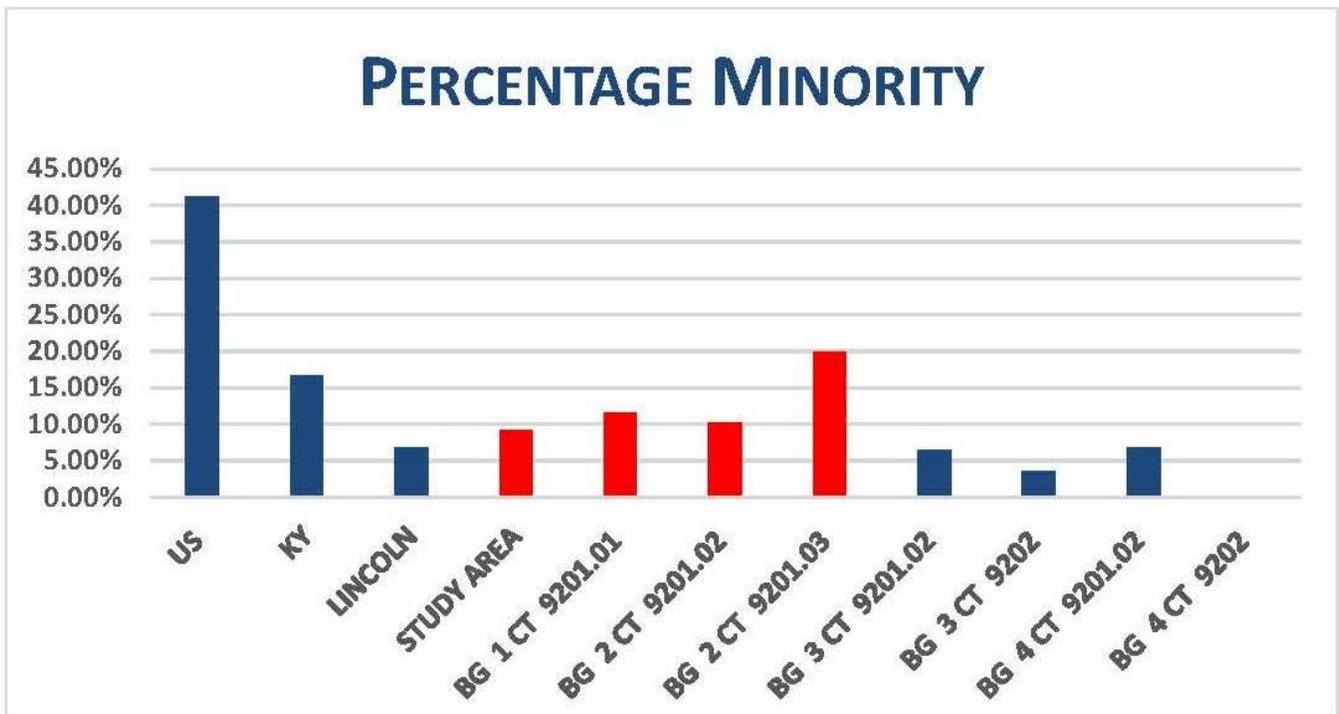
Study Findings

Populations by Persons of Racial Minority Origin

The Study Area (**9.13 %**) and three of the Block Group Census Tracts, have a higher percentage overall of persons of racial minority origin than Lincoln County (6.89%). Of the 1,675 people listed as a minority in Lincoln County 1,026 (60.96 %) are in the study area.

1. BG 2 CT 9201.03 (**19.96%**)
2. BG 1 CT 9201.01 (**11.56%**)
3. BG 2 CT 9201.02 (**10.17%**)

The United States, Kentucky, Lincoln County, the Study Area, and Block Group Census Tracts are represented in the chart, table, special addendum, and map below. Those with higher percentages than the county are called out in red for easier reference.



Source: US Census 2022 ACS 5 Year Data Table B03002

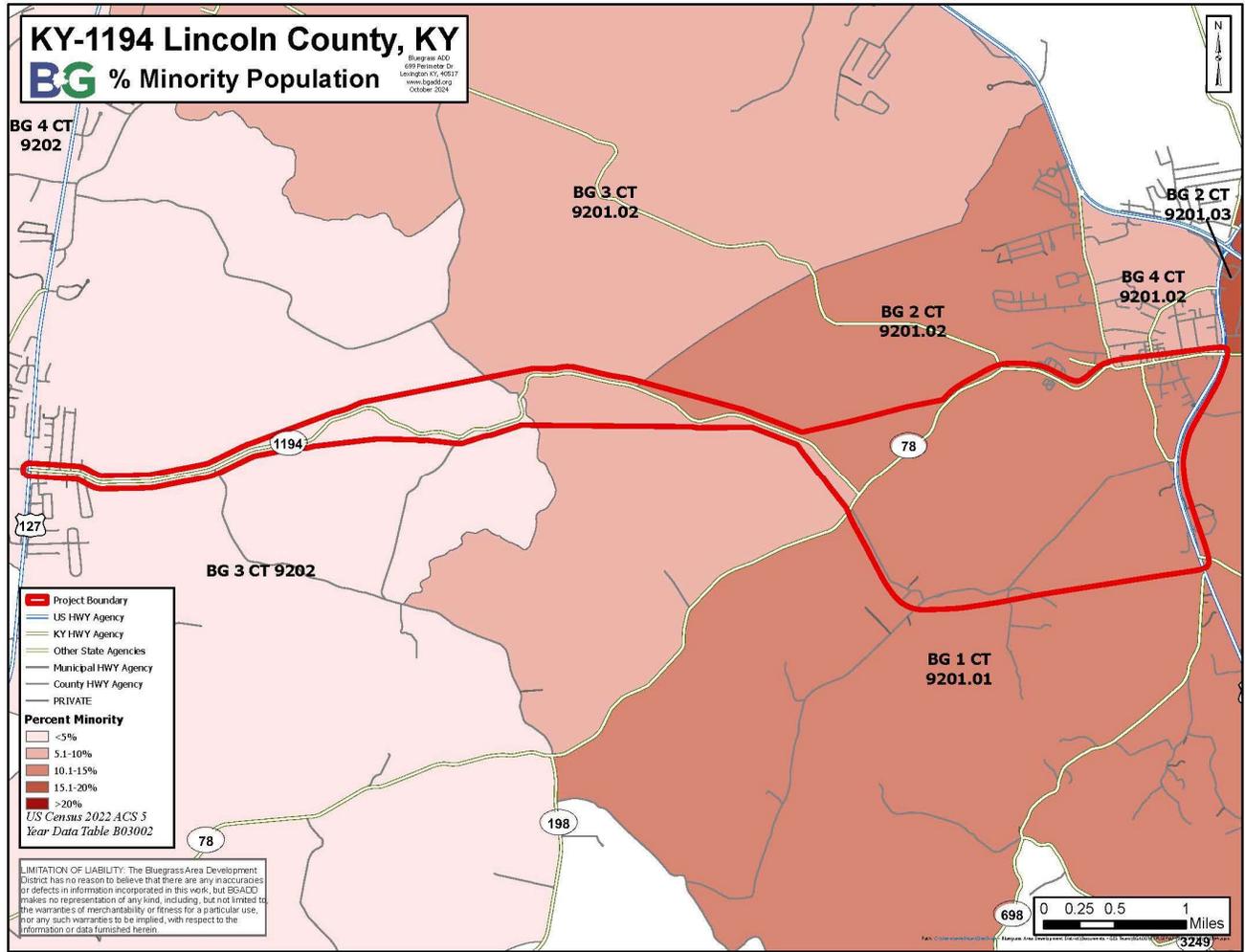
LOCATION	TOTAL	MINORITY	% MINORITY
US	331,097,593	136,211,129	41.14%
KY	4,502,935	754,278	16.75%
LINCOLN	24,320	1,675	6.89%
STUDY AREA	11,183	1,021	9.13%
BG 1 CT 9201.01	2,205	255	11.56%
BG 2 CT 9201.02	1,111	113	10.17%
BG 2 CT 9201.03	1,481	386	19.96%
BG 3 CT 9201.02	1,090	95	6.41%
BG 3 CT 9202	1,934	97	3.57%
BG 4 CT 9201.02	2,720	75	6.88%
BG 4 CT 9202	642	0	0.00%

Source: US Census 2022 ACS 5 Year Data Table B03002

(Special Addendum) Of particle significance is of the 437 African Americans in Lincoln County 361 (82.61%) are in the Study Area. The data shows a Hispanic or Latino population of 457 of which 351 (76.81%) live in the Study Area. Lincoln County only has a population of 65 residents who are Asian alone but 53 (81.54%) are in the study area. The table below shows numbers for the various minority groups in Lincoln County and the percentage in the Study Area.

MINORITY GROUP	LINCOLN	STUDY AREA	PERCENTAGE
Black or African American alone	437	361	82.61%
American Indian and Alaska Native alone	0	0	0.00%
Asian alone	65	53	81.54%
Native Hawaiian and Other Pacific Islander alone	0	0	0.00%
Some other race alone	159	55	34.59%
Two or more races	557	201	36.09%
Hispanic or Latino	457	351	76.81%
TOTAL	1,675	1,021	60.96%

Source: US Census 2022 ACS 5 Year Data Table B03002



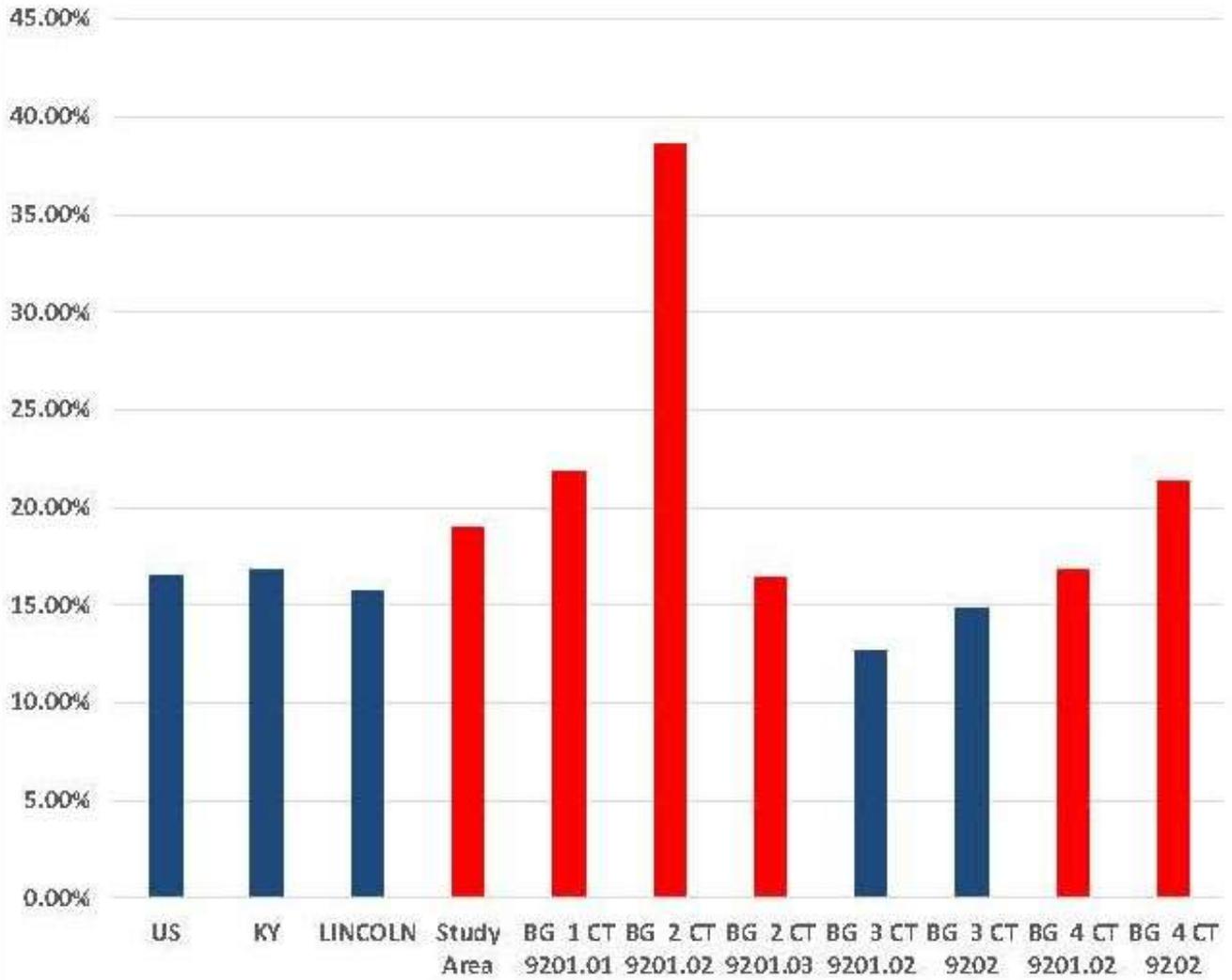
Populations of Adult Over 65 years of Age

Five of seven Block Group Census Tracts and the Study Area (**18.94%**) exceed the percentage of the adult population over 65 years of age in Lincoln County (15.70%).

1. BG 2 CT 9201.02 (**38.60%**)
2. BG 1 CT 9201.01 (**21.88%**)
3. BG 4 CT 9202 (**21.30%**)
4. BG 4 CT 9201.02 (**16.76%**)

The United States, Kentucky, Lincoln County, the Study Area, and Block Group Census Tracts are represented in the chart, table, and map below with percentages above the county in red. BG 2 CT 9201.03 (**16.44%**)

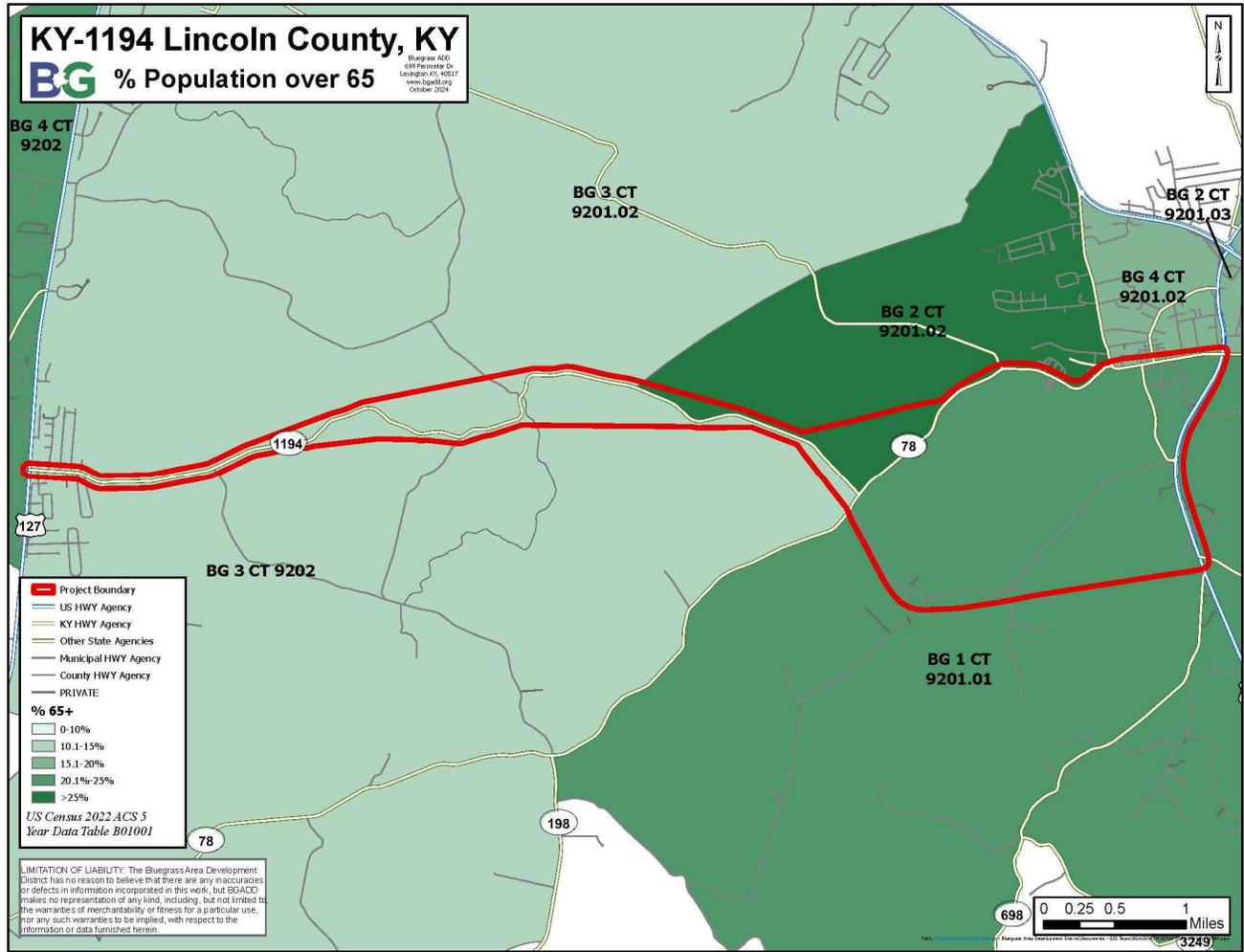
PERCENTAGE AGE 65+



Source: US Census 2022 ACS 5 Year Data Table B01001

LOCATION	TOTAL POPULATION	TOTAL BOTH SEXES 65+	% 65+
US	331,097,593	54,737,648	16.53%
KY	4,502,935	756,439	16.80%
LINCOLN	24,320	130,714	15.70%
Study Area	9,781	1,853	18.94%
BG 1 CT 9201.01	480	105	21.88%
BG 2 CT 9201.02	772	298	38.60%
BG 2 CT 9201.03	1,515	249	16.44%
BG 3 CT 9201.02	1,567	198	12.64%
BG 3 CT 9202	1,505	223	14.82%
BG 4 CT 9201.02	1,313	220	16.76%
BG 4 CT 9202	2,629	560	21.30%

Source: US Census 2022 ACS 5 Year Data Table B01001

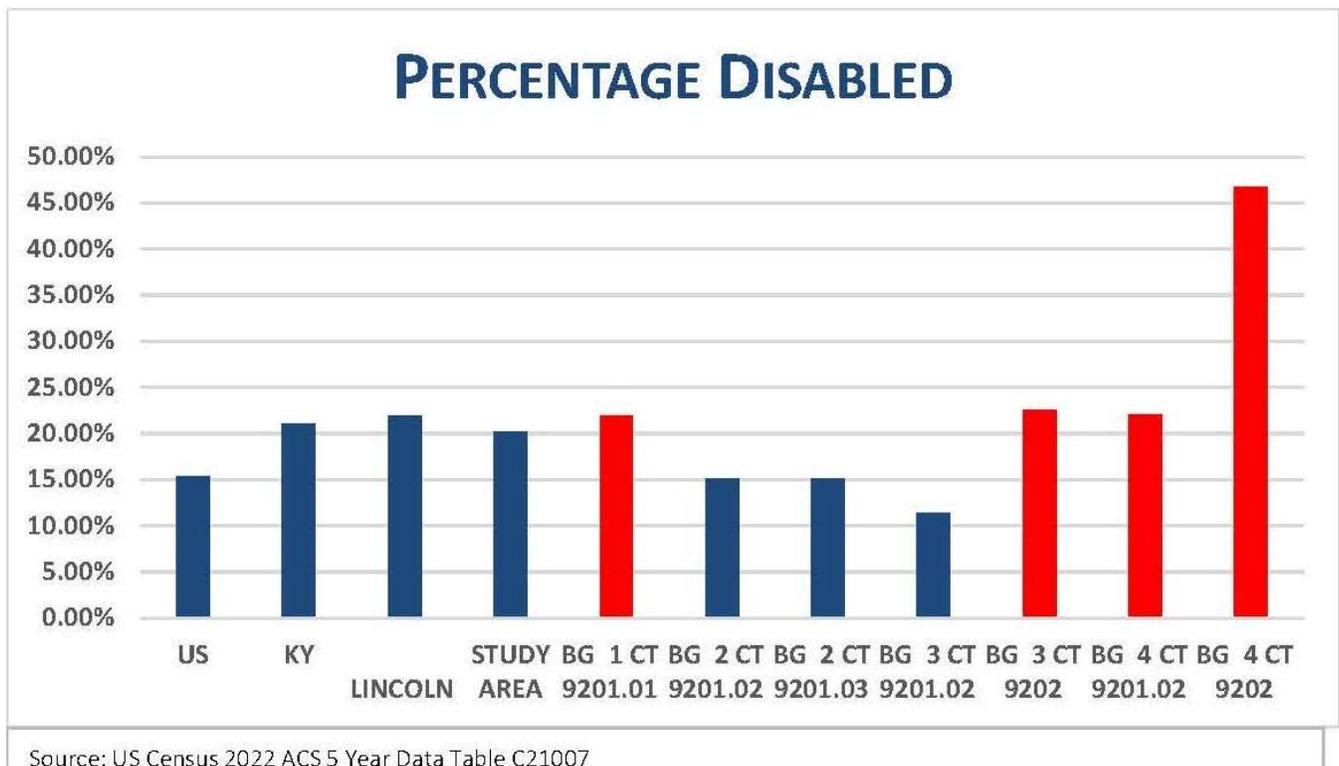


Populations by Adults with a Disability

Four of the seven Block Group Census Tracts have a higher percentage of the population of adults with a disability as compared to Lincoln County (21.92%).

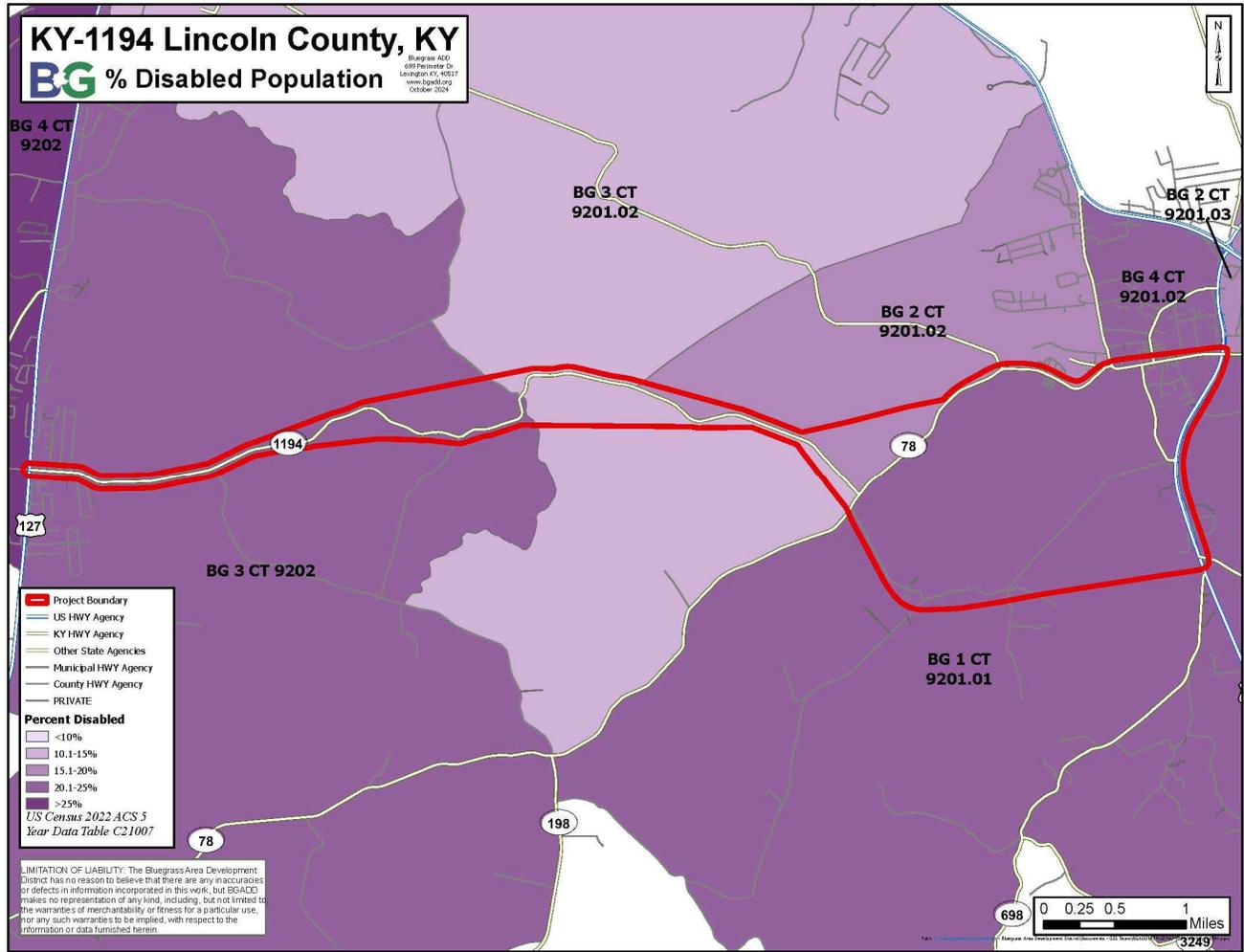
1. BG 4 CT 9202 **(46.71%)**
2. BG 3 CT 9202 **(22.59%)**
3. BG 4 CT 9201.02 **(22.09%)**
4. BG 1 CT 9201.01 **(21.92%)**

The United States, Kentucky, Lincoln County, the Study Area, and Block Group Census Tracts are represented in the chart, table, and map below. Those with higher percentages than the county are called out in red for easier reference.



LOCATION	TOTAL POPULATION	DISABLED	% DISABLED
US	250,304,257	38,455,173	15.36%
KY	3,375,071	713,449	21.14%
LINCOLN	18,291	4,010	21.92%
STUDY AREA	8,518	1,718	20.17%
BG 1 CT 9201.01	1,679	368	21.92%
BG 2 CT 9201.02	759	115	15.15%
BG 2 CT 9201.03	1,593	242	15.19%
BG 3 CT 9201.02	1,098	125	11.38%
BG 3 CT 9202	2,165	489	22.59%
BG 4 CT 9201.02	783	173	22.09%
BG 4 CT 9202	441	206	46.71%

Source: US Census 2022 ACS 5 Year Data Table C21007

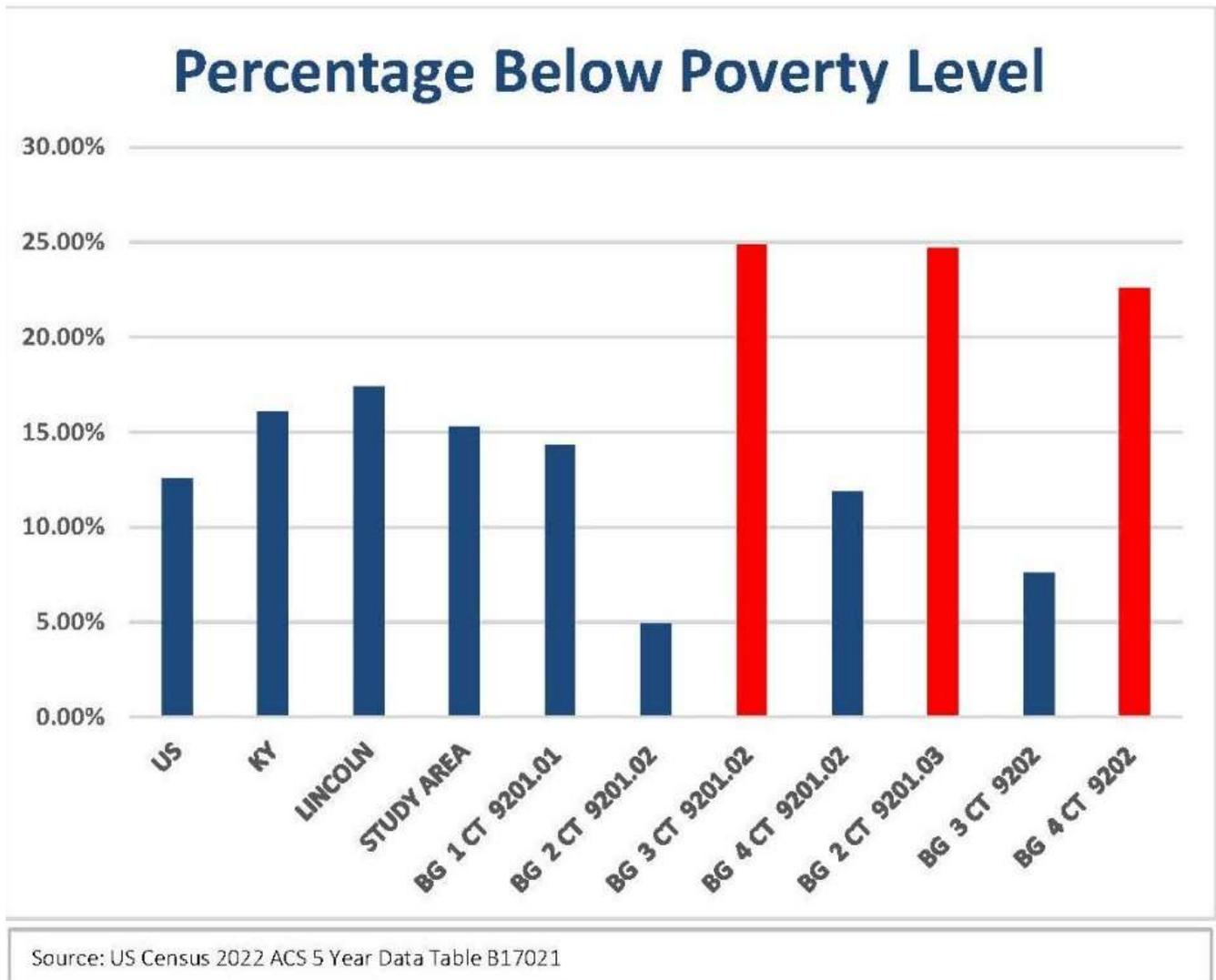


Populations Under the Poverty Line

The census data shows 17.37% of the population of Lincoln County as being below the poverty line. Three of the Block Group Census Tracts have a higher percentage than Lincoln County.

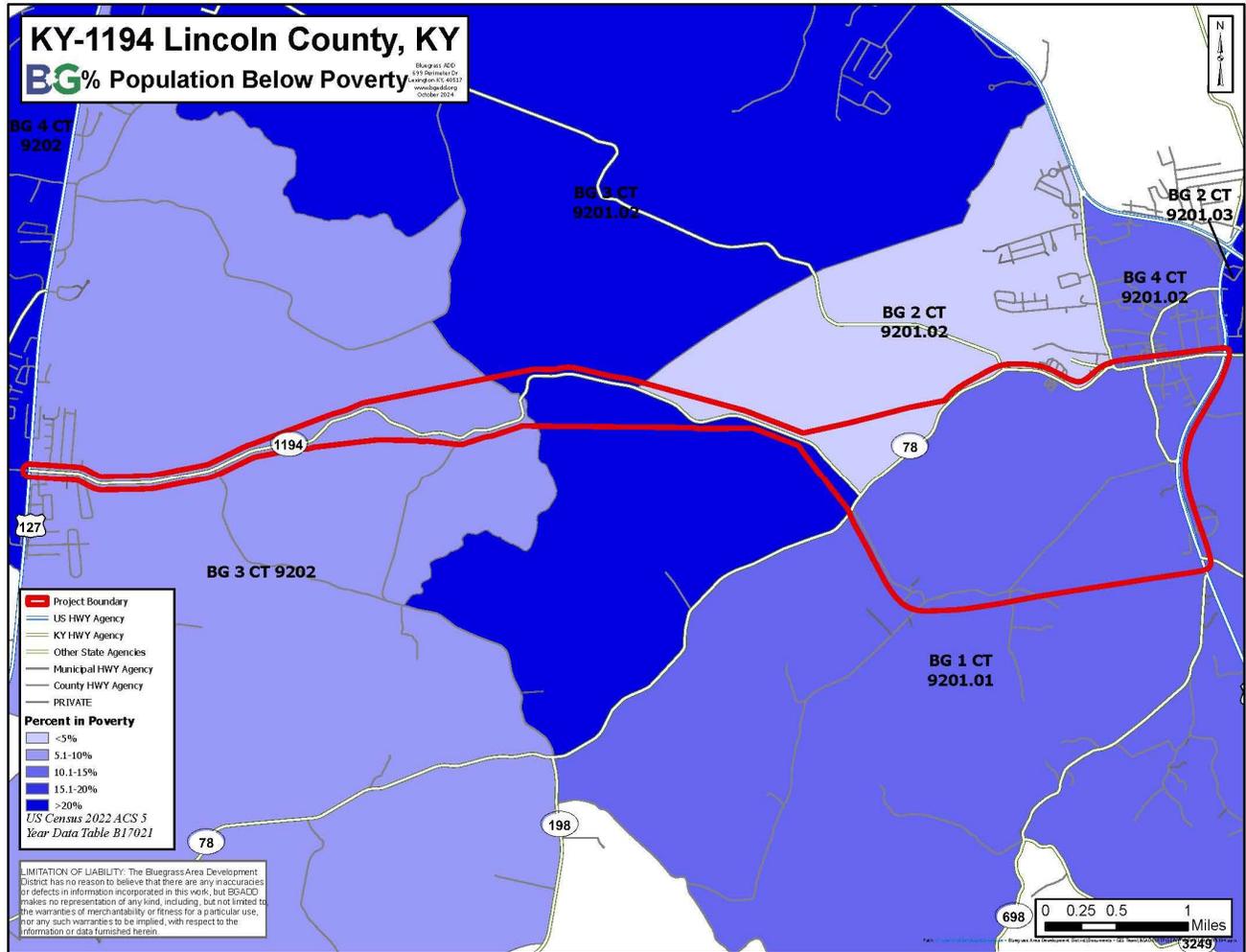
1. BG 3 CT 9201.02 **(24.86%)**
2. BG 2 CT 9201.03 **(24.66%)**
3. BG 4 CT 9202 **(22.59%)**

The United States, Kentucky, Lincoln County, the Study Area, and Block Group Census Tracts are represented in the chart, table, and map below. Those with higher percentages than the county are called out in red for easier reference.



LOCATION	TOTAL	BELOW POVERTY LEVEL	%
US	323,275,448	40,521,584	12.53%
KY	4,372,749	704,758	16.12%
LINCOLN	23,885	4,150	17.37%
STUDY AREA	10,826	1655	15.29%
BG 1 CT 9201.01	2,202	315	14.31%
BG 2 CT 9201.02	998	49	4.91%
BG 3 CT 9201.02	1,444	359	24.86%
BG 4 CT 9201.02	969	115	11.87%
BG 2 CT 9201.03	1,934	477	24.66%
BG 3 CT 9202	2,677	204	7.62%
BG 4 CT 9202	602	136	22.59%

Source: US Census 2022 ACS 5 Year Data Table B17021



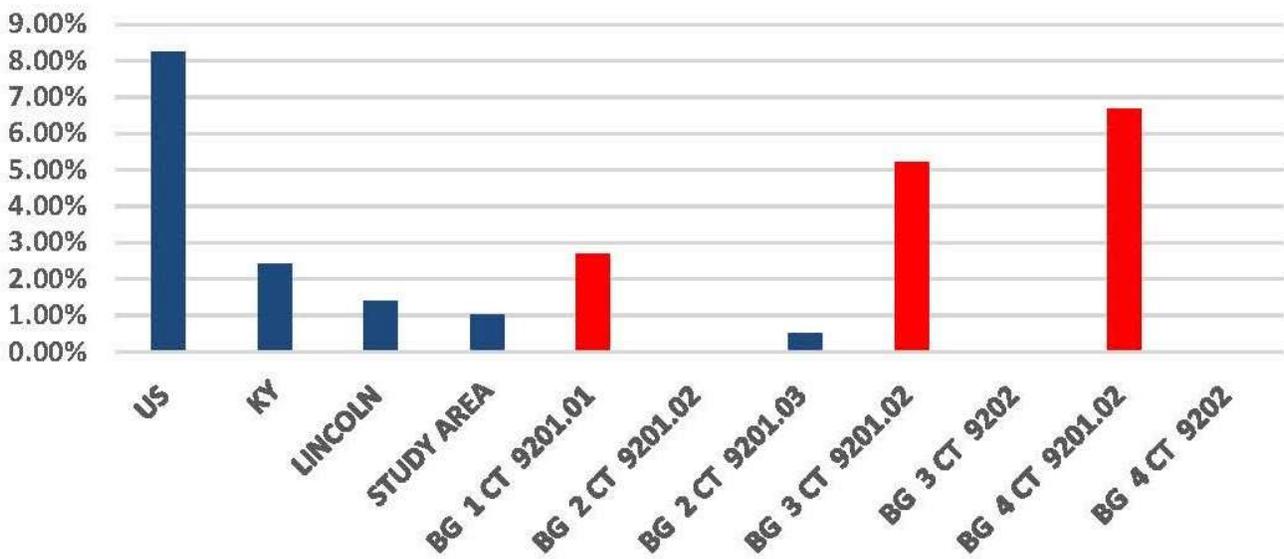
Populations by Persons over 5 Years of Age with Limited English Proficiency

Three Block Group Census Tracts exceed the percent of persons over five years of age with Limited English Proficiency in Lincoln County (1.38%).

1. BG 4 CT 9201.02 (6.68%)
2. BG 3 CT 9201.02 (5.21%)
3. BG 1 CT 9201.01 (2.68%)

The United States, Kentucky, Lincoln County, the Study Area, and Block Group Census Tracts are represented in the chart, table, and map below. Those with higher percentages than the county are called out in red for easier reference.

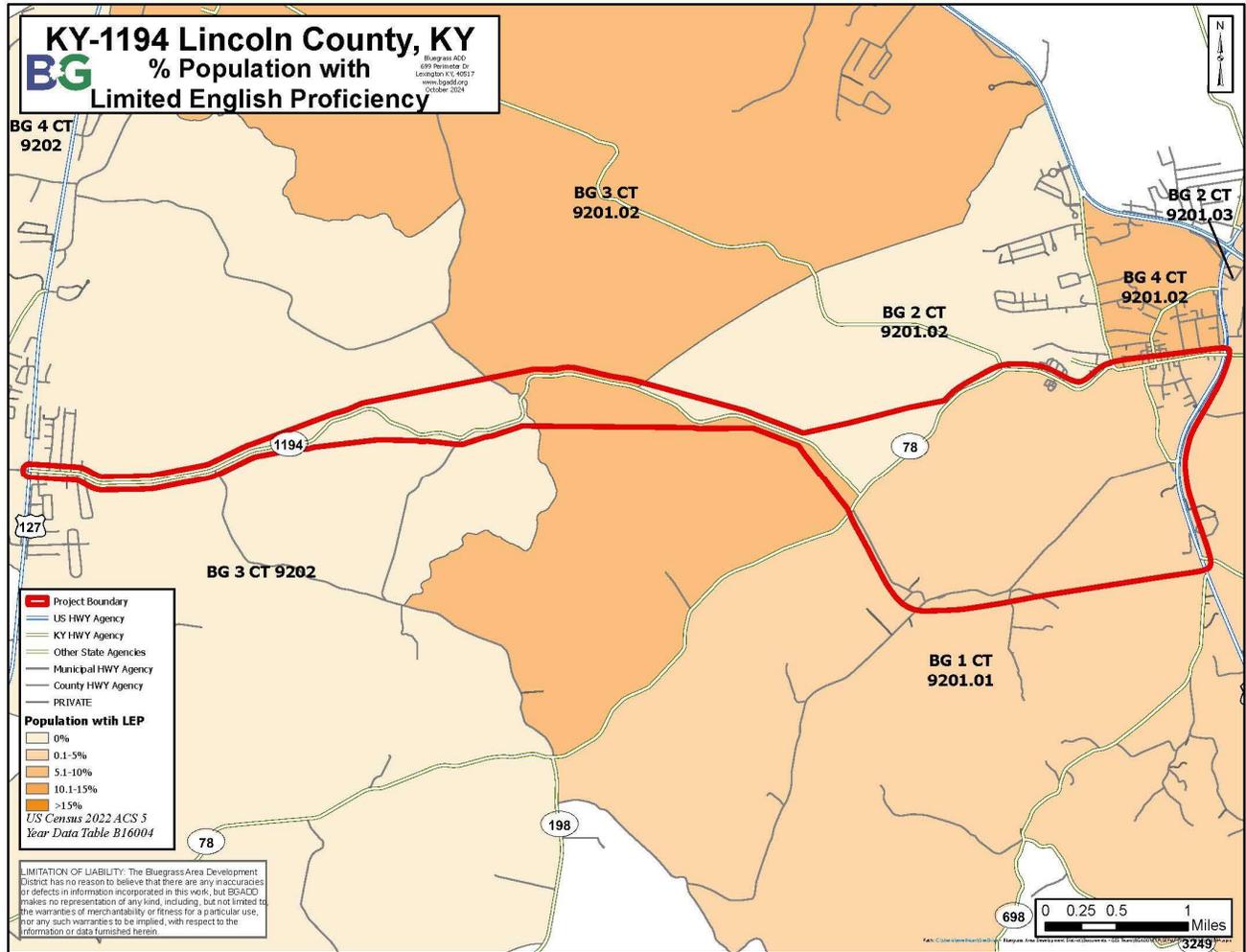
PERCENTAGE LEP PERSONS



Source: US Census 2022 ACS 5 Year Data Table B16004

LOCATION	TOTAL POPULATION	TOTAL LEP	% LEP
US	312,092,668	25,704,846	8.24%
KY	4,236,382	102,685	2.42%
LINCOLN	22,664	313	1.38%
STUDY AREA	10,498	107	1.02%
BG 1 CT 9201.01	2,092	56	2.68%
BG 2 CT 9201.02	1,075	0	0.00%
BG 2 CT 9201.03	1,810	9	0.50%
BG 3 CT 9201.02	1,364	71	5.21%
BG 3 CT 9202	2,489	0	0.00%
BG 4 CT 9201.02	1,048	70	6.68%
BG 4 CT 9202	620	0	0.00%

Source: US Census 2022 ACS 5 Year Data Table B16004



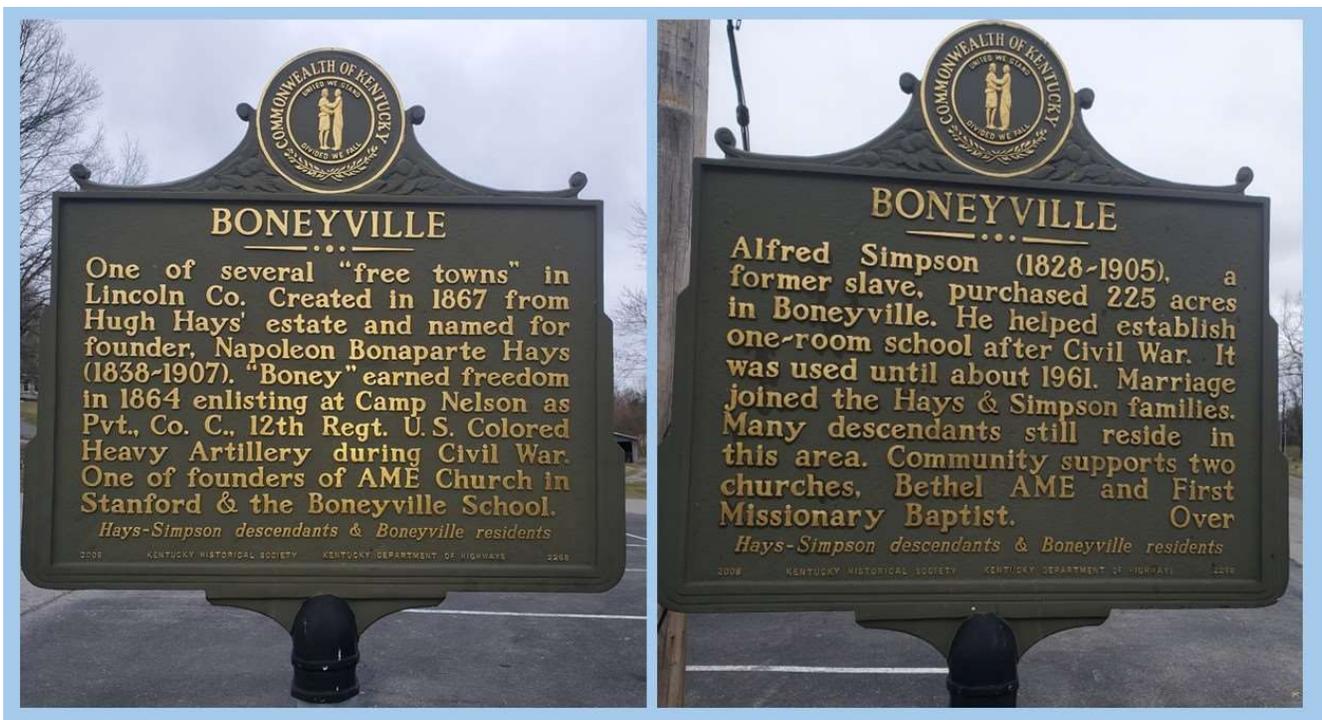
Conclusion

This study reveals several findings that would merit further study and stakeholder input in future phases of this project.

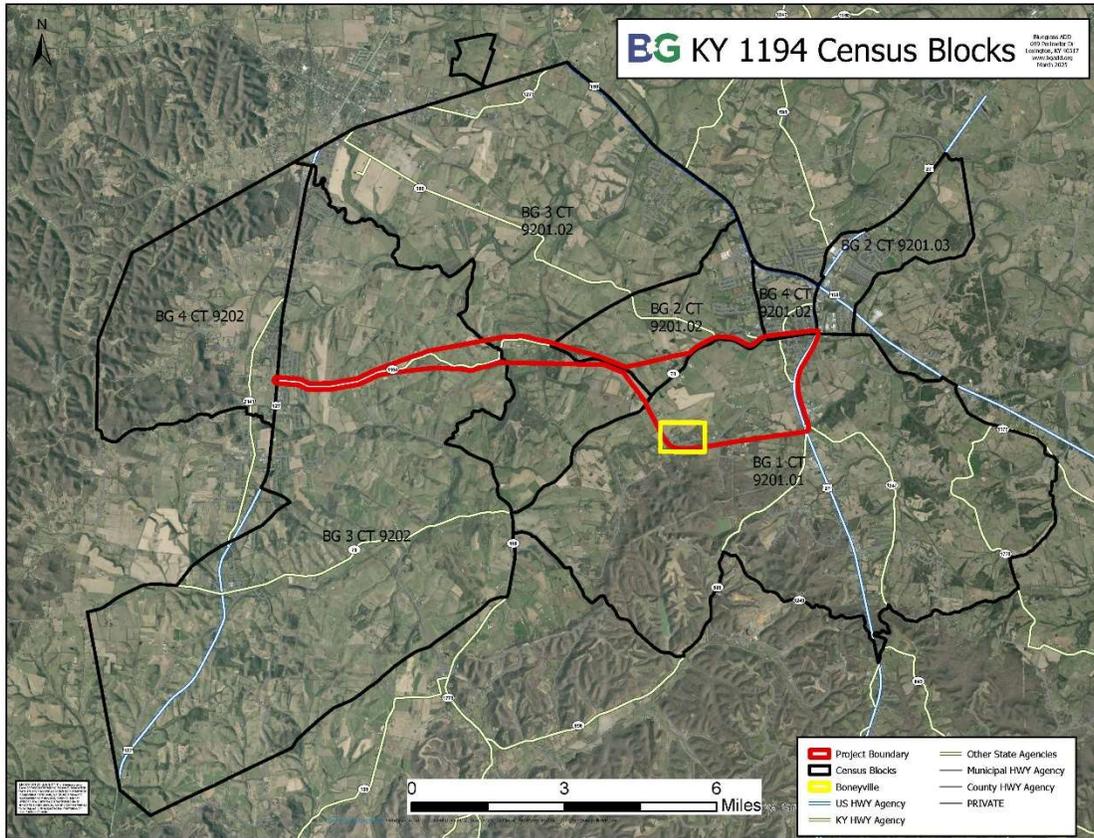
Persons of Racial Minority: Boneyville is an African American community in the southwest corner of the Study Area. It is named for Napoleon Bonaparte “Boney” Hays, a former slave. Hays earned his freedom in 1864 when he joined 12th US Colored Heavy Artillery at Camp Nelson, Kentucky. After the Civil War, he eventually purchased 15 acres of land that still make up much of this community. Boneyville has two churches and five historic cemeteries. Most of the parcels in the community starting with the southernmost portion of Spoonamore Lane to the area about ½ mile east on Boneyville Road is “Heirs Land” [see map below]. The last deed for most of these properties is from the 1800s. As a result, hundreds of individuals are heirs to the properties in this section. This should be taken into consideration when estimating the cost and time required to obtain title to any right of way needed for this project.

In the 1950s construction of US 27 through Halls Gap five miles south of Stanford “...*all but erased the signs of what was once a thriving black community in the heart of Lincoln County.*” [Source citation: The Kentucky Advocate Page C2 February 26, 1995].

This is noted since numerous residents and property owners in Boneyville apparently are descendants of or have close ties with those displaced by the US 27 project in the 1950s [Source citation: above mentioned article and Kentucky Historical Society Highway Marker # 2268 which is pictured below].



The parcels in the area shown on the map below are nearly all classified as “Heirs Land” [Source citation: records in the offices of the Lincoln County Property Valuation Administrator and Lincoln County Court Clerk].



Age 65 Years or Older: Five of the Block Group Census Tracts have a higher percentage than the county. BG 4 CT 9202 is located on the extreme west end of the study area where KY 1194 intersects with US 127 and has a much higher percentage of people over age 65 than Lincoln County.

Disabled Status: BG 4 CT 9202 with percentage of disabled persons of **46.71%** is bounded on the east by the intersection of US 127 and Ky 1194. This same area has a higher percentage of individuals age 65 and older. BG 3 CT 9202 at 22.59% is in the section of Ky 1194 that is curvy. BG 4 CT 9201.02 (**22.09%**) is in the downtown Stanford area but is just barely in the study area. BG 1 CT 9201.01 (**21.92%**) includes the Boneyville community.

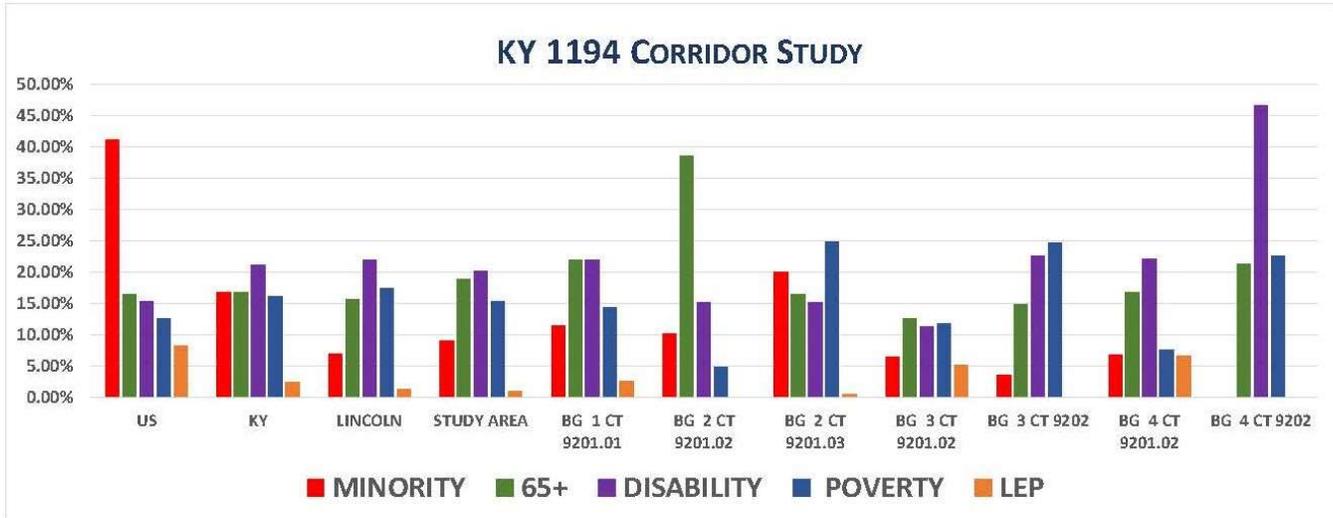
Persons Below Poverty Level: The data for persons below the poverty level corresponds with the same areas where there are high number of those who are disabled and age 65 years or older.

Limited English Proficiency: No significant numbers reveal themselves regarding those with Limited English Proficiency were found in the data captured for this study. Even though the percentages in three areas exceed the county's the total amounts to only 107 people.

Block Group 1, Census Tract 9201.01 and Block Group 2, Census Tract 9201.03 have populations that exceed Lincoln County in four demographics.

During future phases of the project development a more detailed and robust analysis would be required to assess the potential for adverse and disproportionate impacts to those with disabilities, poverty status and minority populations.

The chart and table below provide a synopsis of this entire study with the higher than Lincoln County averages called out in red in the table.



Source: US Census 2022 ACS 5 Year Data Tables B03002, B01001, C21007, B17021, and B16004

LOCATION	POPULATION	MINORITY	65+	DISABILITY	POVERTY	LEP
US	331,097,593	41.14%	16.53%	15.36%	12.53%	8.24%
KY	4,502,935	16.75%	16.80%	21.14%	16.12%	2.42%
LINCOLN	24,320	6.89%	15.70%	21.92%	17.37%	1.38%
STUDY AREA	9,781	9.13%	18.94%	20.17%	15.29%	1.02%
BG 1 CT 9201.01	480	11.56%	21.88%	21.92%	14.31%	2.68%
BG 2 CT 9201.02	772	10.17%	38.60%	15.15%	4.91%	0.00%
BG 2 CT 9201.03	1,515	19.96%	16.44%	15.19%	24.86%	0.50%
BG 3 CT 9201.02	1,567	6.41%	12.64%	11.38%	11.87%	5.21%
BG 3 CT 9202	1,505	3.57%	14.82%	22.59%	24.66%	0.00%
BG 4 CT 9201.02	1,313	6.88%	16.76%	22.09%	7.62%	6.68%
BG 4 CT 9202	2,629	0.00%	21.30%	46.71%	22.59%	0.00%

Source: US Census 2022 ACS 5 Year Data Tables B03002, B01001, C21007, B17021, and B16004

Appendix: METHODOLOGY FOR DEVELOPING SOCIOECONOMIC STUDIES FOR KYTC PLANNING

Updated: March 2025

Cover Page

Title: Insert specific study type/area

Subtitle: Socioeconomic Study

Date:

Author:

Analysis

Agencies should demonstrate meaningful public involvement with all people regardless of race, color, national origin, or income, with respect to development, implementation and enforcement of environmental laws, regulations and policies.

Additionally, KYTC works to identify potential populations of the Elderly, Disabled, Limited English Proficiency and Limited Transportation Options that may be impacted in or near the Affected Community (AC) should highway improvements take place in the future.

Examples of these studies include, but are not limited to:

- Corridor Studies
- Traffic Studies
- Small Urban Area Studies
- Feasibility Studies
- Interchange Justification Studies
- Interchange Modification Reports

Affected Communities with potential impacts are determined by locating populations of minority, low-income, elderly, disabled, and limited English proficiency (5 years or older speaking English less than “very well”) and calculating their percentage in the area relative to a reference community of comparison (COC).

Communities of comparison:

- The county percentage
- Kentucky percentage
- Block groups within reasonable proximity of the study area
- United States
- ADD Region

The demographics of the study area should be defined using block group data accessed via the American Community Survey 5 year data:

- Minority
- Low-income
- Elderly
- Disabled populations
- Limited English Proficiency

Sample Analysis

The percentage of persons living below the poverty level in Kentucky (18.60%) is significantly higher than that of the United States (14.90%). Poverty levels in Metcalfe County are slightly lower than that of the state with 16.10% of Metcalfe County residents living below the poverty level. CT 9601 has greater levels of poverty than does the county, state and U.S. with 17.90% of persons living below the poverty level. CT 9603 however has a lower level of poverty than Metcalfe County as a whole and the state, with 13.40% of residents living below the poverty.

*****The following disclaimer should be included in the document in the Socioeconomic Study methodologies Section.*****

The methodologies used in this planning document are appropriate for identifying possible areas of concern in small urban areas and potential project corridors. However, during future phases of project development a more detailed and robust analysis may identify the potential for impacts to low-income and minority populations.

A map or shapefile of the alternatives will be provided by the consultant or KYTC to the applicable Area Development District (ADD). KYTC, in conjunction with the consultant, will review the ADD data for quality and completeness. The consultant will summarize the information provided by the ADD in the final report. The full Socioeconomic analysis should be placed in an Appendix for reference as necessary.

Maps should be included with the analysis that depict the project area in relation to the Census tracts and block groups included in the analysis. Maps similar to **Figure 1** should be symbolized utilizing and appropriate range dependent on the relevant data being studied.

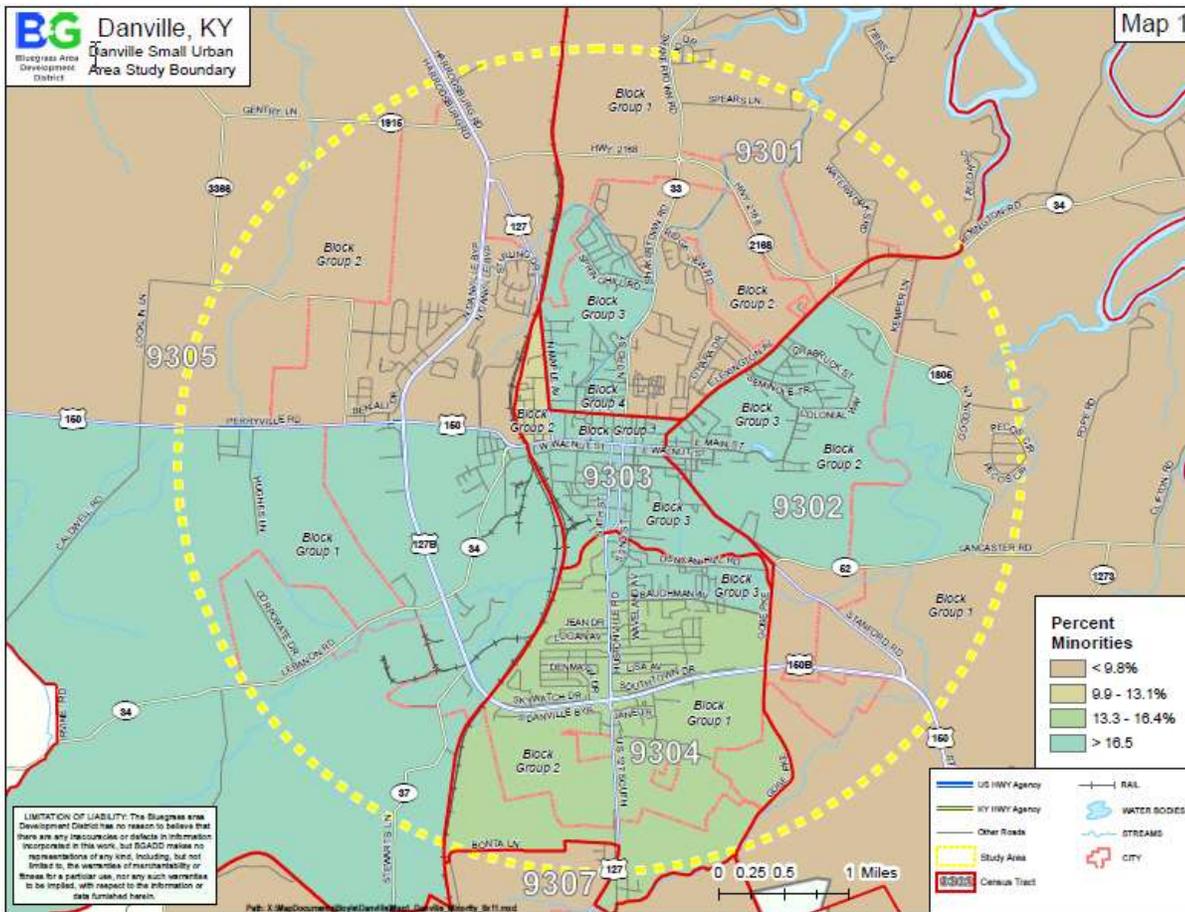


Figure 1

Additional Information

The information below may be beneficial to note for future reference

- Changes due to new residential developments in the area
- Increases in Asian and/or Hispanic populations.
- Concentrations or communities that share a common religious, cultural, ethnic, or other background, e.g., Amish communities.
- Communities or neighborhoods that exhibit a high degree of community cohesion or interaction and the ability to mobilize community actions at the start of community involvement.
- Concentrations of common employment, religious centers, and/or educational Institutions.

Tips

- Only include data that is being analyzed. For instance there is no need to define Block Groups if they are not used. Similarly, Census Tracts should only be referenced as they relate to location of Block Groups discussed.
- Choropleth maps (shaded, color gradation) should be developed based on population percentage.
- One page summary facing the adjacent related map is a functional, readily relatable format.
- At this stage there is no proposed alignment, therefore we can make no assumptions regarding adverse impacts or mitigation efforts to any populations. We can only identify potential locations of Affected Communities.

Applicable Laws, Acts and Executive Orders

Civil Rights Act of 1964, Title VI (42 USC 2000d et seq.) – This title declares it to be the policy of the United States that discrimination on the grounds of race, color, or national origin shall not occur in connection with programs and activities receiving federal financial assistance and authorizes and directs the appropriate federal departments and agencies to take action to carry out this policy. The Presidential Memorandum accompanying Executive Order 12898 states that in accordance with this title, each federal agency should ensure that all programs or activities receiving federal financial assistance that affect human health, or the environment do not directly, or through contractual or other arrangements, use criteria, methods, or practices that discriminate on the basis of race, color, or national origin.

Age Discrimination Act of 1975 - 42 U.S.C. 6101, provides: No person in the United States shall, on the basis of age, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.

Rehabilitation Act of 1973, Section 504 - 42 U.S.C. 794, et seq., provides: No qualified handicapped person shall, solely by reason of his handicap, be excluded from participation in, be denied the benefits of, be subjected to discrimination under any program or activity that receives or benefits from Federal financial assistance.

Americans With Disabilities Act of 1990 - 42 U.S.C. 12131, et seq., provides: No qualified individual with a disability shall, by reason of such disability, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination by a department, agency, special purpose district, or other instrumentality of a State or local government.

Executive Order #13166 - (Limited-English-Proficiency) directs federal agencies to evaluate services provided and implement a system that ensures that Limited English Proficiency persons are able to meaningfully access the services provided consistent with and without unduly burdening the fundamental mission of each federal agency.

Socioeconomic Report Checklist

COMPLETE	TASK	GUIDANCE	RESOURCES
	Create Cover Page	Study Name; Date; Prepared For; Prepared By	See Example Socioeconomic Reports - Provided by KYTC
	Create Table of Contents	Introduction;; Definitions; Methodology; Census Data Analysis; Study Findings; Census Tract Maps; Census Tract Tables; Block Group Maps; Block Group Tables; Conclusion	
	Introduction	<p>INCLUDE THE FOLLOWING TEXT: <i>Data for this report comes from the 2014-2018* American Community Survey five-year estimate, using tables, charts and maps. The purpose of the report is to analyze the data and identify potential populations that may be displaced or adversely affected by the recommended improvements proposed in the study. Statistics are provided for minority, elderly, low-income, disabled and limited-English populations for the nation, state, county and Census Tract Block Groups in the project area. *Use most recent ACS information. ALSO INCLUDE: <i>The intent of this review is to assist the Kentucky Transportation Cabinet in making informed and prudent transportation decisions in the study area</i></i></p>	https://www.census.gov/programs-surveys/acs/

	Methodology	<p>The data was collected using the method outlined by the KYTC document “Methodology for Developing Socioeconomic Studies for KYTC Planning” (INCLUDE THIS AS AN APPENDIX). The demographics of the affected area should be defined using U.S. Census Bureau data and the percentages for minority, low-income, elderly, disabled and limited-English populations should be compared to the Census Tracts and Block Groups, the county as a whole, the entire state and the United States. The primary source of data for this report is the 2014-2018* U.S. Census Bureau American Community Survey five-year estimate. Data was drawn from these tables:</p> <ul style="list-style-type: none"> • S0101 – Age and Sex • S1811 – Selected Economic Characteristics for the Civilian Noninstitutionalized Population by Disability Status • B03002 – Hispanic or Latino Origin by Race • B17021 – Poverty Status in the Past 12 Months by Living Arrangement • B16004 – Language spoken at home for population ages 5 or older 	<p>KYTC Document: “<i>METHODOLOGY FOR ASSESSING UNDERSERVED POPULATIONS FOR KYTC PLANNING STUDIES</i>” (Updated March 2025)</p>
	Census Data Analysis		See Example Socioeconomic Reports - Provided by KYTC
	Study Findings		See Example Socioeconomic Reports - Provided by KYTC
	Maps; Tables		See Example Socioeconomic Reports - Provided by KYTC
	Conclusion		See Example Socioeconomic Reports - Provided by KYTC