

US 51 CORRIDOR AREA STUDY

SOCIOECONOMIC REPORT

Prepared for

Kentucky Transportation Cabinet (KYTC) – Division of Planning



Prepared by

Purchase Area Development District



This document was prepared in cooperation with the Kentucky Transportation Cabinet.

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Introduction

The information in this report outlines 2018-2022 American Community Survey (ACS) statistics in and near the study area using tables, charts and maps. The data presented in this document is intended to highlight areas of concern that may require additional analysis should any transportation project be advanced to future phases. Statistics are provided for minority, elderly, poverty status, Limited English Proficiency (LEP), and disabled populations for the United States, Commonwealth of Kentucky, Purchase Region, Ballard, Carlisle, Fulton and Hickman Counties and block groups located within the study area.

The US 51 Corridor (Figure 1) is located in the westernmost Kentucky Counties of the Commonwealth of Kentucky in the Jackson Purchase region that borders the Mississippi River: Ballard, Carlisle, Fulton, and Hickman Counties and covers a land area of approximately 911 square miles. This area of study is also bordered to the east by McCracken County and Graves County. The population estimate (2022) for all four counties in this study is 23,174 with Ballard County having the largest population of the four counties with a population of 7,650.

Ballard County is composed of 3 Census Tracts that are divided into 8 Block Groups. Only 2 of the 8 Block Groups are in the planning corridor:

- CT 9503 BG2 and CT 9503 BG3.

Carlisle County is composed of 3 Census Tracts that are divided into 5 Block Groups. Four (4) of the 5 Block Groups are in the planning corridor:

- CT 9602 BG 1, CT 9602 BG 2, CT 9603 BG 3, and CT 9603 BG 2.

Fulton County is composed of 2 Census Tracts that are divided into 9 Block Groups. Two (2) of the 9 Block groups are in the planning corridor:

- CT 9601 BG 1, CT 9601 BG 2.

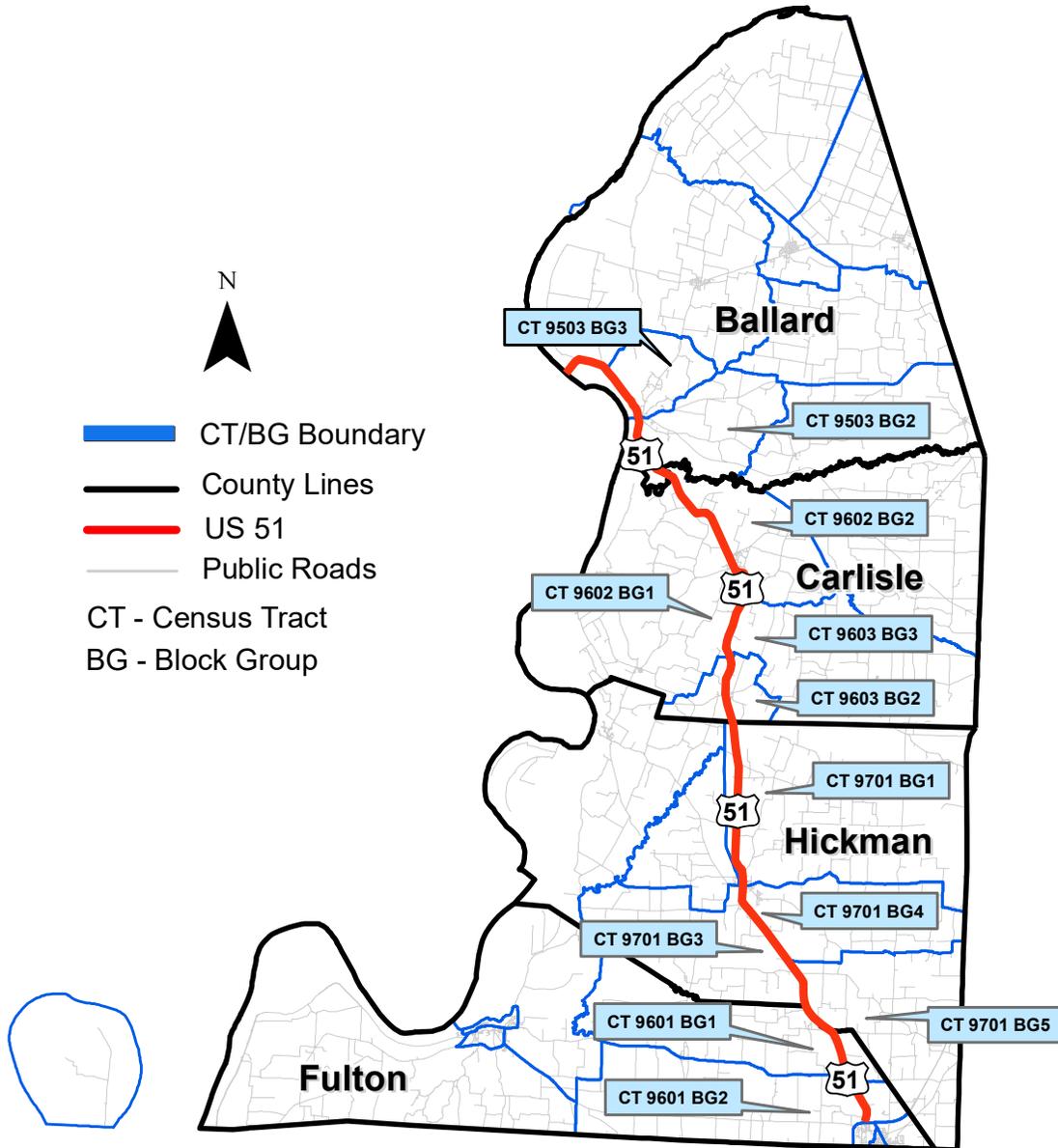
Hickman County is divided into 1 Census Tract composed of 6 Block Groups. Four (4) of the 6 Block Groups are in the planning corridor:

- CT 9701 BG 1, CT 9701 BG 3, CT 9701 BG 4, and CT 9701 BG 5.

This review will focus on the 12 block groups where the US 51 Corridor is located. A table with detailed socioeconomic data for the US, Kentucky, Purchase Region, the four (4) counties, and the 12 affected block groups is included as Appendix A.



Purchase Area Development District US 51 Corridor Area Study



METHODOLOGY

Data for this report was collected in accordance with the guidance provided by the KYTC. The outline for preparing socioeconomic reports “Methodology for Assessing Underserved Populations Including Title VI, Age and Disability Considerations in Conjunction with KYTC Planning Studies” is included in Appendix B. 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 county as a whole, the entire state and the United States.

The primary source of data for this report is the 2018 – 2022 U.S. 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 for the Civilian Population 18 Years and Over

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 census tract block groups, county, region, state, and nation. This report uses the population percentages for Ballard, Carlisle, Fulton and Hickman Counties as the reference threshold for identifying target populations. The county numbers were selected as the reference threshold because the project is completely within these four (4) county limits. The county numbers most likely provide a better snapshot of the overall population characteristics in the study area as opposed to the United States or state percentages.

The methodologies used in this report are appropriate for identifying areas of concern in small urban areas and potential project corridors. However, during future phases of project development a more detailed and robust analysis would be required for the National Environmental Policy Act (NEPA) when assessing the potential for adverse and disproportionate impacts to poverty status, and minority populations.

Study Findings

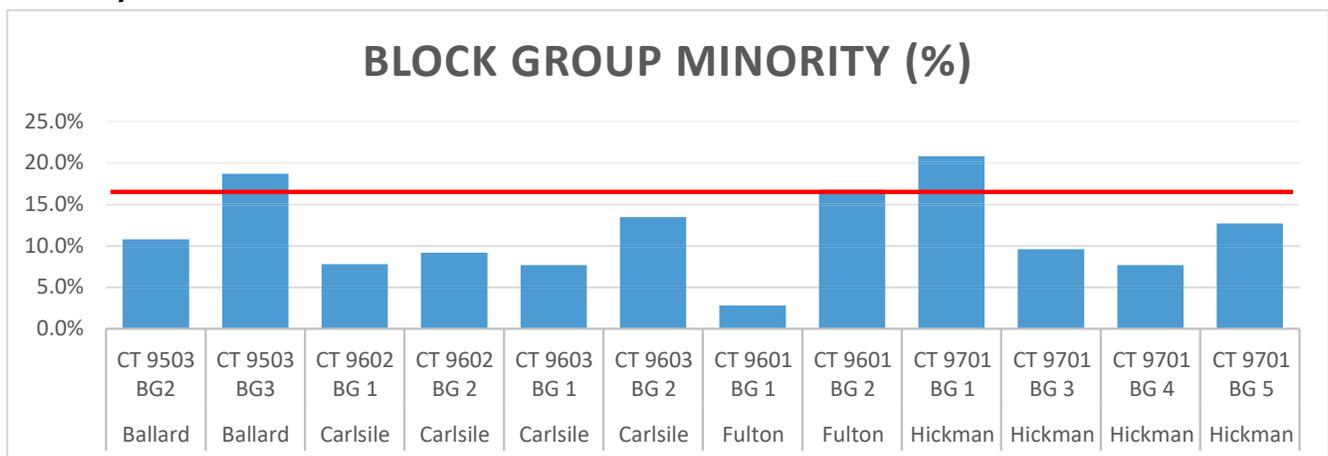
Population by Persons of Minority Origin

Eight (7) of 12 block groups within the corridor have a higher percentage of minorities than that of its respective county. Hickman County CT 9701 BG1 had the highest percentage of minorities of all block groups within the area of study which has a higher percentage than that of the Kentucky State % of 16.8. See Appendix A for the minority percentages of each county and block groups of which those highlighted in red have a higher percentage than their perspective counties while the graph depicts each block group compared to the state percentage.

Kentucky State Minority Population %: 16.8

County	County Minority (%)	Block Group(s)	Block Group Minority (%)
Ballard	8.1	CT 9503 BG2	10.8%
		CT 9503 BG3	18.7%
Carlisle	7.7	CT 9602 BG 1	7.8%
		CT 9602 BG 2	9.2%
		CT 9603 BG 1	7.7%
		CT 9603 BG 2	13.5%
Fulton	30.2	CT 9601 BG 1	2.8%
		CT 9601 BG 2	16.8%
Hickman	13.9	CT 9701 BG 1	20.8%
		CT 9701 BG 3	9.6%
		CT 9701 BG 4	7.7%
		CT 9701 BG 5	12.7%

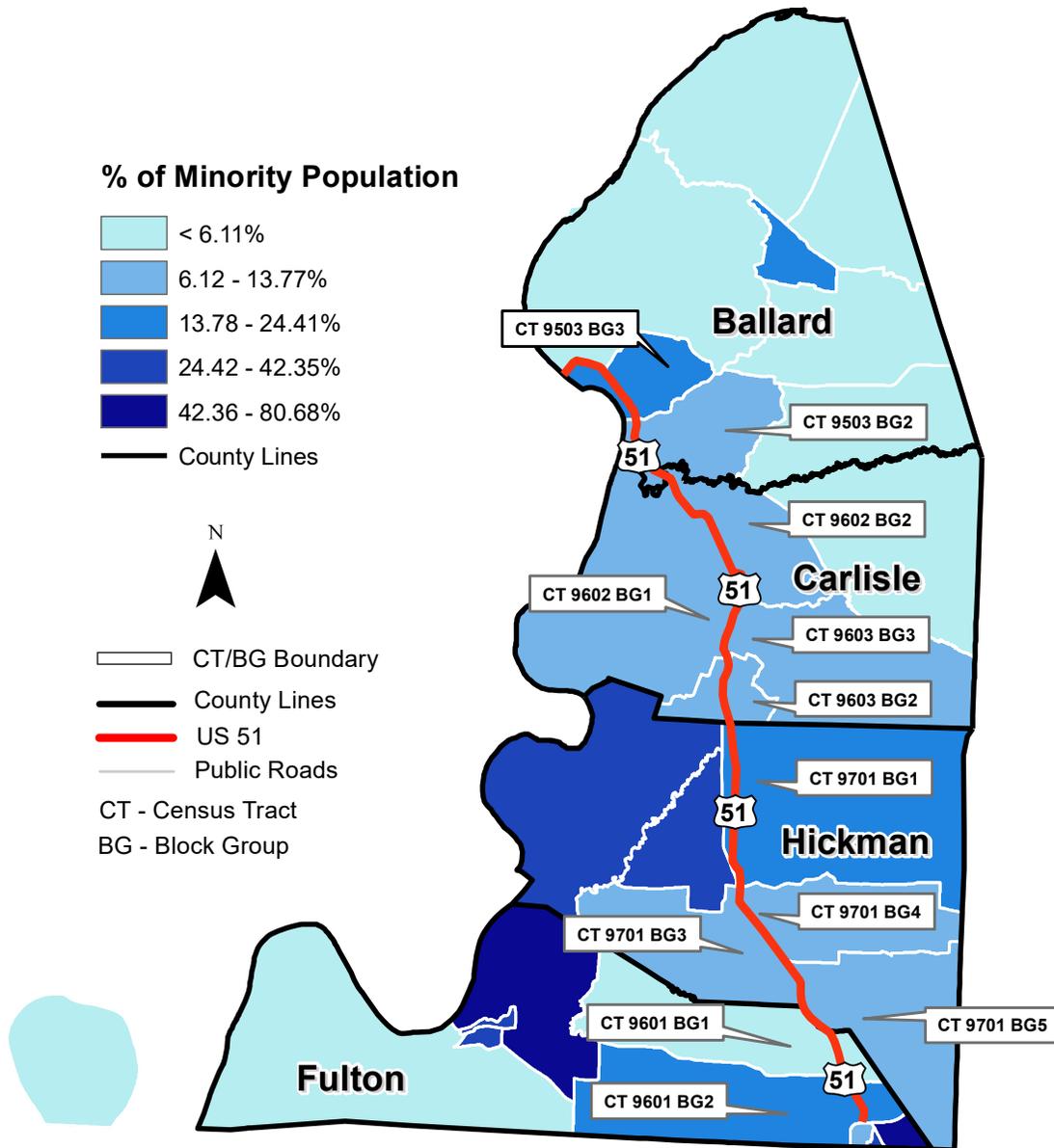
Kentucky State %: ———



Source: Kentucky State Data Center
 Census 2022 American Community Survey 5 Year Data (2018-2022)
 Table B03002 Hispanic or Latino Origin by Race



Purchase Area Development District US 51 Corridor Area Study % Minority Population



Source: Kentucky State Data Center
 Census 2022 American Community Survey 5 Year Data (2018-2022)
 Table B03002 Hispanic or Latino Origin by Race

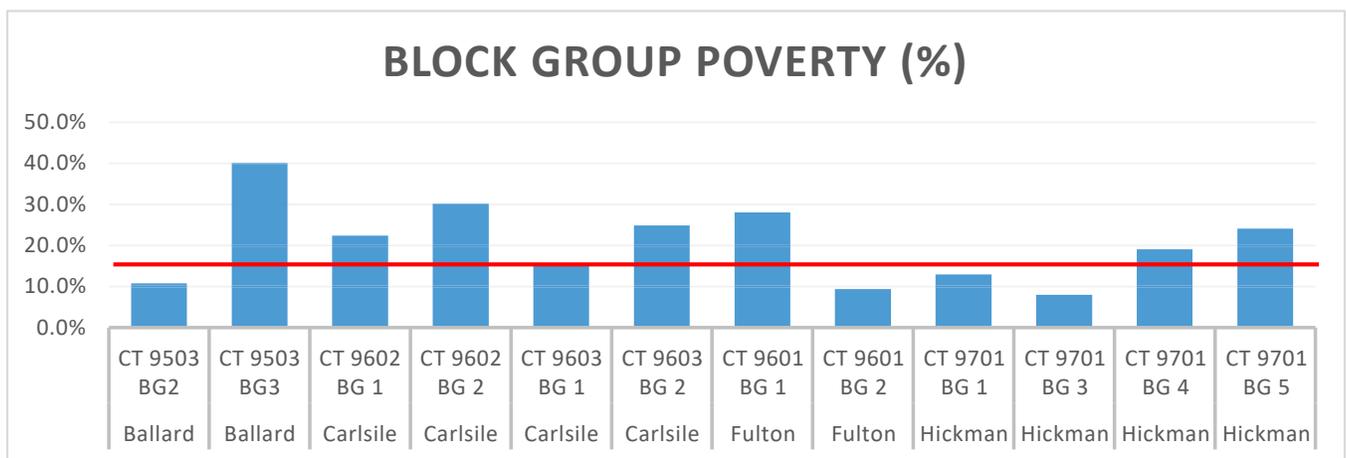
Population by Persons below Poverty Level

Seven (7) of 12 block groups within the corridor have a higher percentage of individuals living below the poverty line than that of their respective county. Block groups with a higher poverty % than their county percentage is highlighted in the chart below while the graph depicts each block group compared to the state percentage.

Kentucky State Population % in Poverty: 16.1

County	County Poverty (%)	Block Group(s)	Block Group Poverty (%)
Ballard	14.3	CT 9503 BG2	10.8%
		CT 9503 BG3	40.1%
Carlisle	20.1	CT 9602 BG 1	22.4%
		CT 9602 BG 2	30.2%
		CT 9603 BG 1	15.5%
		CT 9603 BG 2	24.9%
Fulton	27.4	CT 9601 BG 1	28.1%
		CT 9601 BG 2	9.4%
Hickman	16.7	CT 9701 BG 1	13.0%
		CT 9701 BG 3	8.0%
		CT 9701 BG 4	19.1%
		CT 9701 BG 5	24.1%

Kentucky State %: —



Source: Kentucky State Data Center
 Census 2022 American Community Survey 5 Year Data (2018-2022)
 Table B17021 Poverty Status of Individuals in the Past 12 Months by Living Arrangement

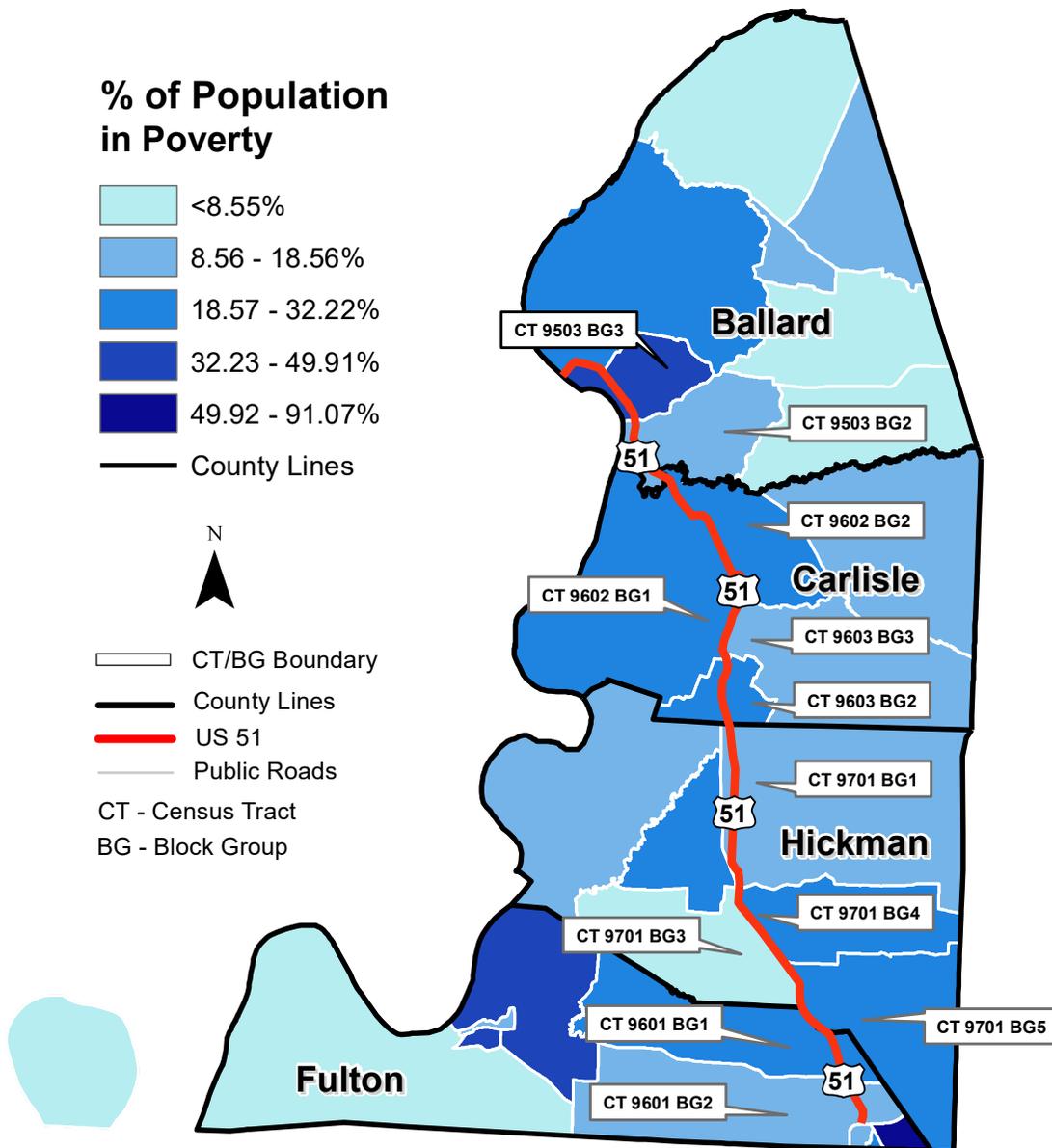
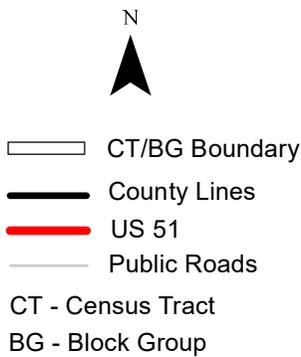
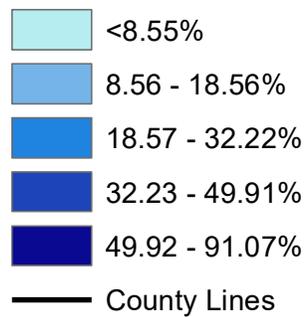


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US 51 Corridor Area Study % Population in Poverty



% of Population in Poverty



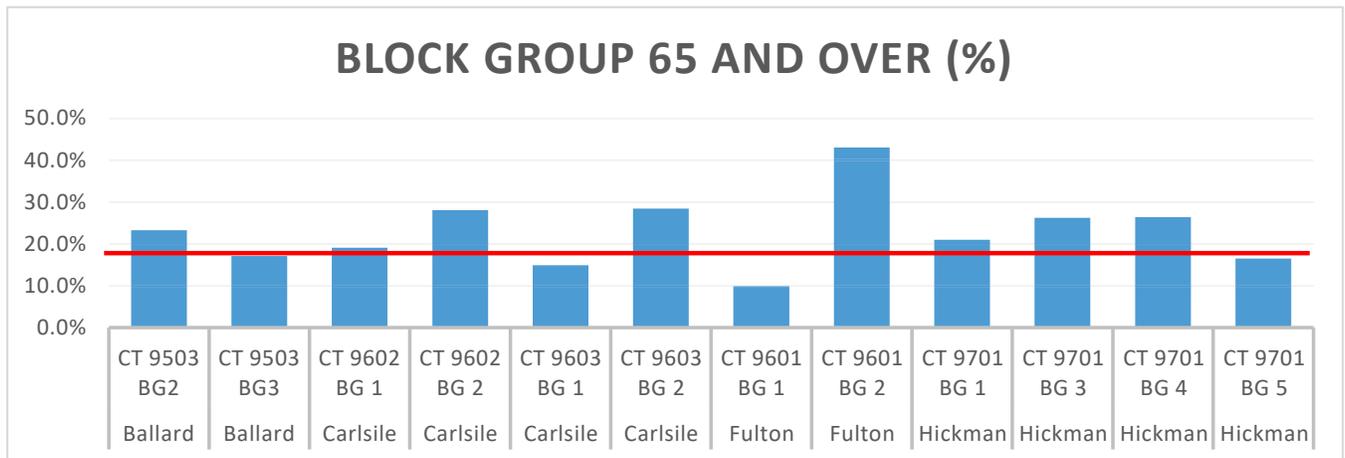
Population by Persons Age 65 Years and Over

Seven (7) of 12 block groups within the corridor have a higher percentage of individuals Aged 65 Years and over than that of their respective counties which are highlighted in the chart below. All four counties in this study have a higher percentage of people aged 65 years and over than the state and the average which is 16.8% as well is the national average of 16.5%.

Kentucky State Population % Age 65 Years and Over: 16.8%

County	County 65 and Over (%)	Block Group(s)	Block Group 65 and Over (%)
Ballard	22.3	CT 9503 BG2	23.3%
		CT 9503 BG3	17.1%
Carlisle	20.1	CT 9602 BG 1	19.1%
		CT 9602 BG 2	28.1%
		CT 9603 BG 1	14.9%
		CT 9603 BG 2	28.5%
Fulton	21	CT 9601 BG 1	9.9%
		CT 9601 BG 2	43.1%
Hickman	24.5	CT 9701 BG 1	21.0%
		CT 9701 BG 3	26.3%
		CT 9701 BG 4	26.4%
		CT 9701 BG 5	16.5%

Kentucky State %: ———

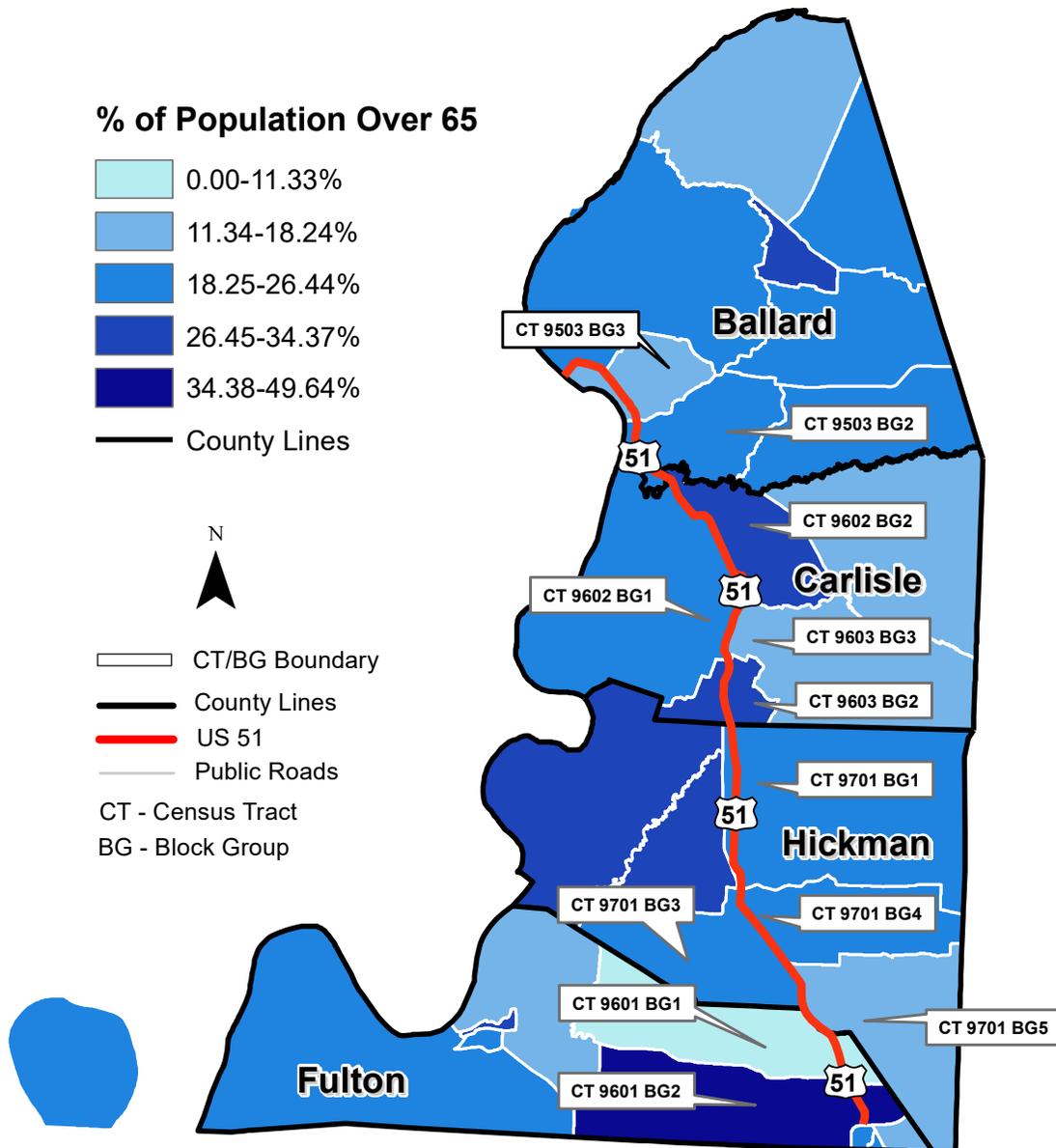


Source: Kentucky State Data Center
 Census 2022 American Community Survey 5 Year Data (2018-2022)
 Table B01001 Sex by Age



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US 51 Corridor Area Study % Population Over Age 65



Source: Kentucky State Data Center
 Census 2022 American Community Survey 5 Year Data (2018-2022)
 Table B01001 Sex by Age

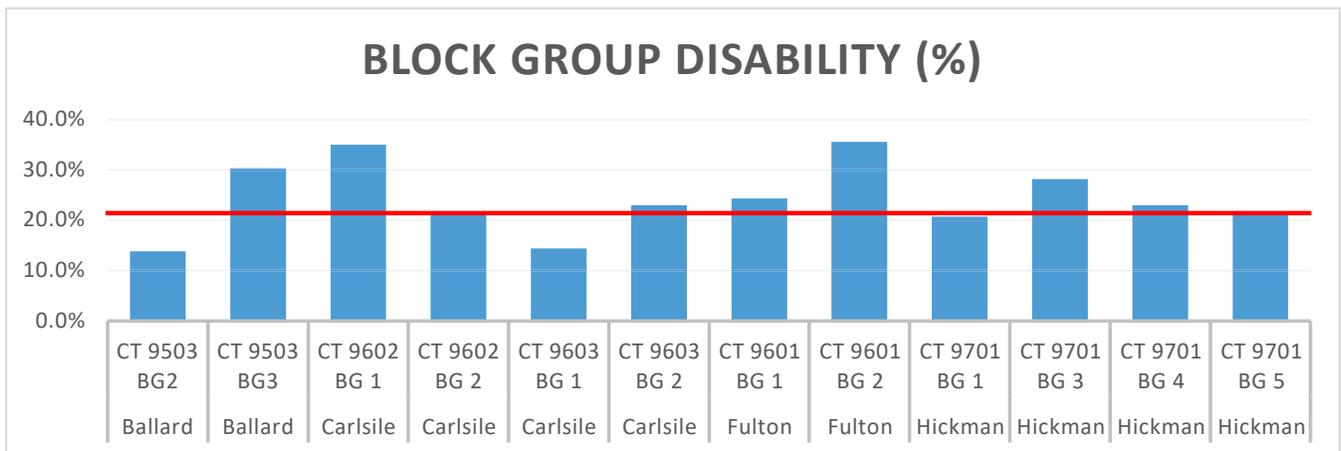
Population by Disability Status 18 Years and Over

Seven (7) of 12 block groups within the corridor have a higher disabled population percentage of than their respective county which is highlighted in the chart below while the graph depicts each block group compared to the state percentage. The block group with the highest percentage of disabled population is Carlisle County CT 9602 BG 1. The state average is 21.1% while the national average is 15.4%.

Kentucky State % of Disabled Population: 21.1

County	County Disability (%)	Block Group(s)	Block Group Disability (%)
Ballard	19.8	CT 9503 BG2	13.8%
		CT 9503 BG3	30.3%
Carlisle	20.5	CT 9602 BG 1	35.0%
		CT 9602 BG 2	21.0%
		CT 9603 BG 1	14.4%
		CT 9603 BG 2	23.0%
Fulton	25	CT 9601 BG 1	24.3%
		CT 9601 BG 2	35.6%
Hickman	24.4	CT 9701 BG 1	20.7%
		CT 9701 BG 3	28.2%
		CT 9701 BG 4	23.0%
		CT 9701 BG 5	21.0%

Kentucky State %: —



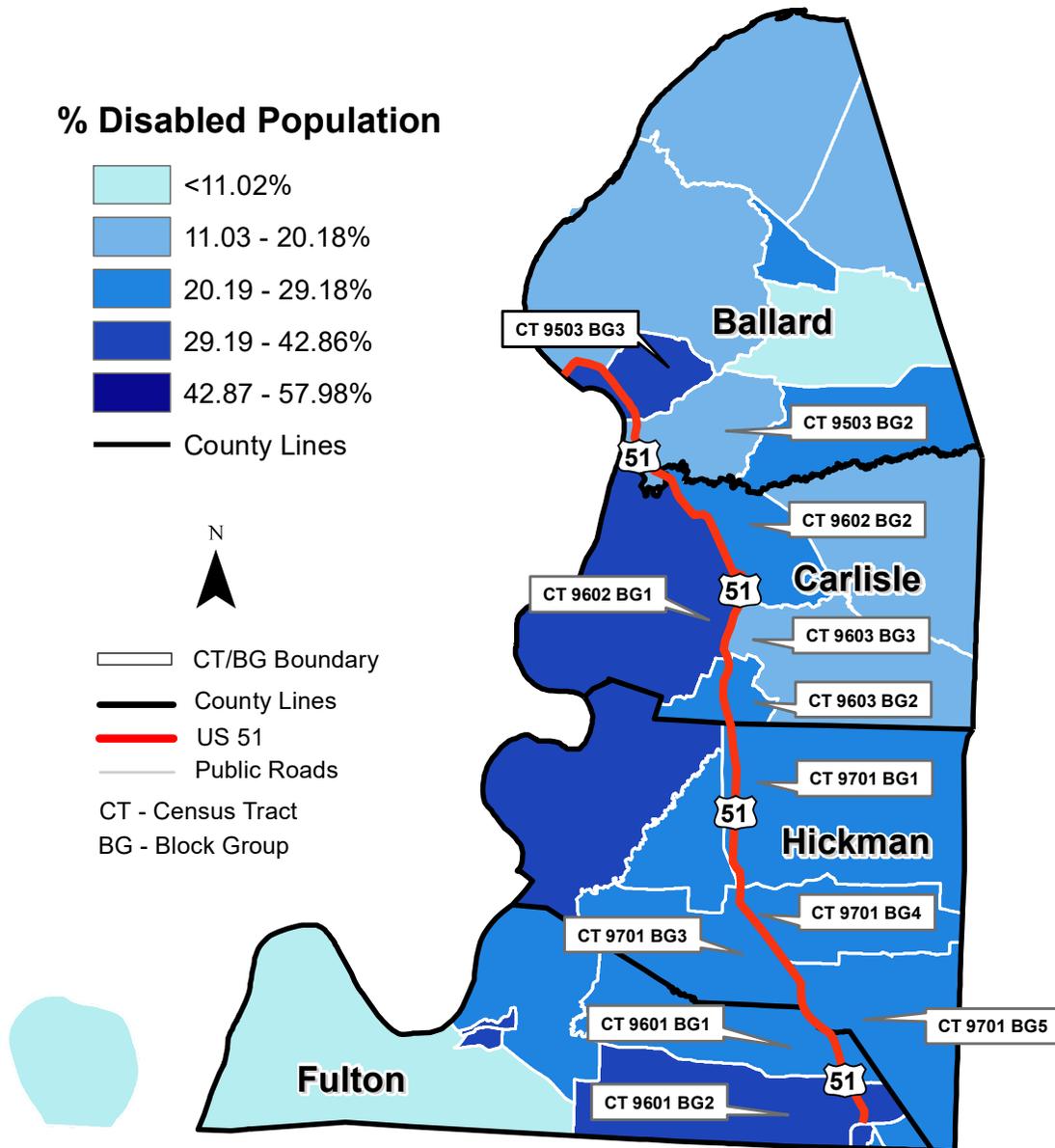
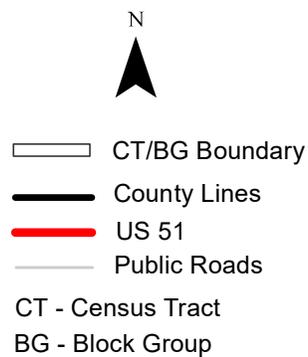
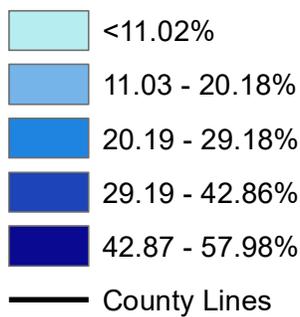
Source: Kentucky State Data Center
 Census 2022 American Community Survey 5 Year Data (2018-2022)
 Table C21007 Age by Veteran Status by Poverty Status in the Past 12 Months by Disability Status
 for the Civilian Population 18 Years and Over



Purchase Area Development District US 51 Corridor Area Study % Disabled Population



% Disabled Population



Source: Kentucky State Data Center
 Census 2022 American Community Survey 5 Year Data (2018-2022)
 Table C21007 Age by Veteran Status by Poverty Status in the Past 12 Months by Disability Status
 for the Civilian Population 18 Years and Over

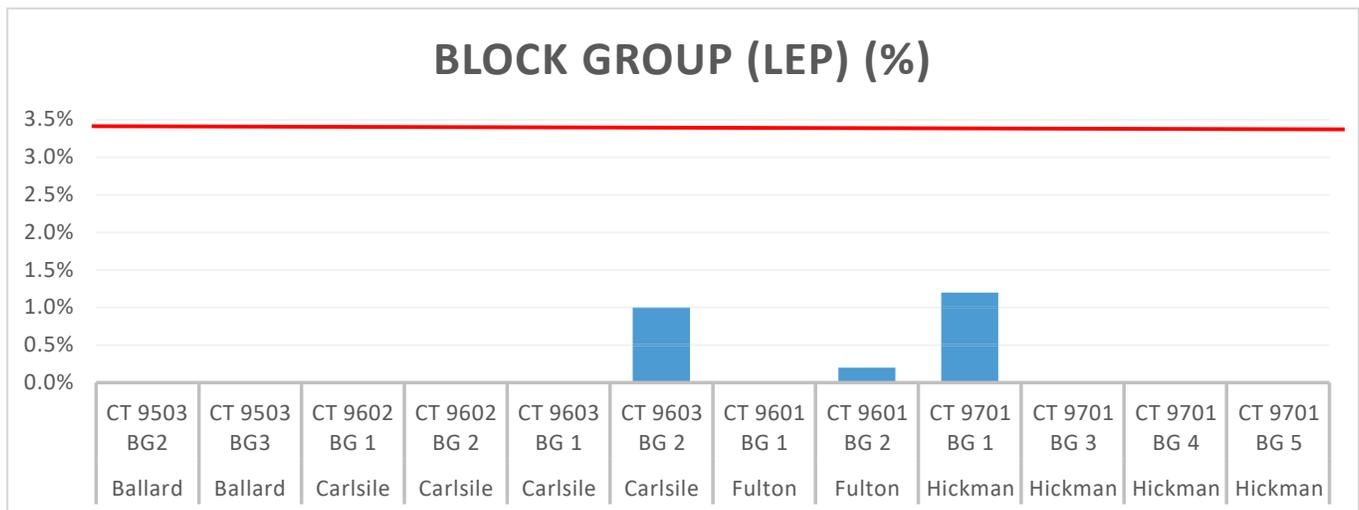
Population by Persons with Limited English Proficiency

Three (3) of 12 block groups within the corridor have a higher population percentage with Limited English Proficiency than their respective county which is highlighted in the chart below. The block group with the highest percentage of population with Limited English Proficiency is Hickman County CT 9701 BG 1. The state average is 3.4% while the national average is 12.1%.

Kentucky State % of Limited English Proficient Population: 3.4%

County	County (LEP) (%)	Block Group(s)	Block Group (LEP) (%)
Ballard	1.5	CT 9503 BG2	0.0%
		CT 9503 BG3	0.0%
Carlisle	0.1	CT 9602 BG 1	0.0%
		CT 9602 BG 2	0.0%
		CT 9603 BG 1	0.0%
		CT 9603 BG 2	1.0%
Fulton	0	CT 9601 BG 1	0.0%
		CT 9601 BG 2	0.2%
Hickman	0.5	CT 9701 BG 1	1.2%
		CT 9701 BG 3	0.0%
		CT 9701 BG 4	0.0%
		CT 9701 BG 5	0.0%

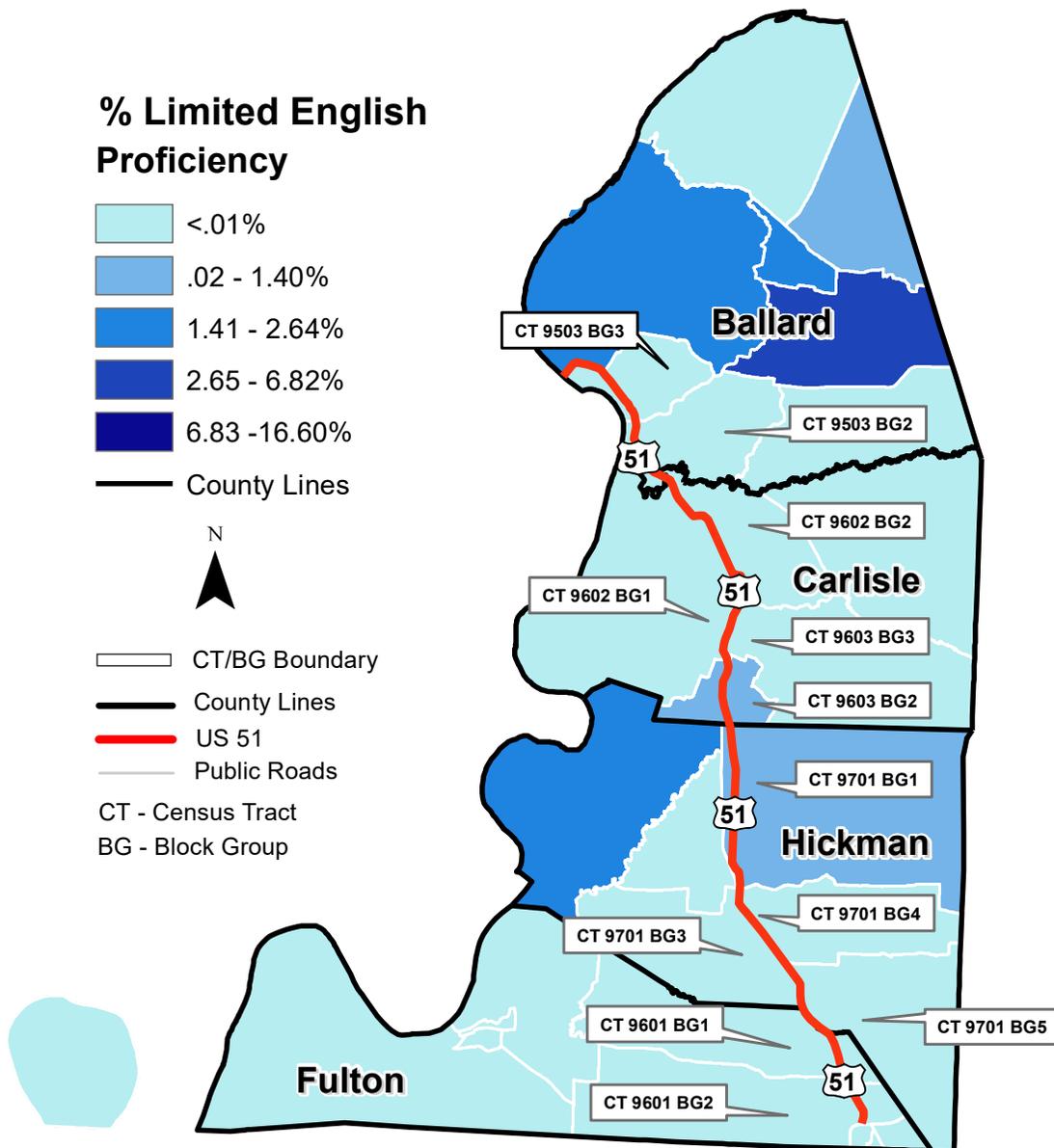
Kentucky State %: ——



Source: Kentucky State Data Center
 Census 2022 American Community Survey 5 Year Data (2018-2022)
 Table B16004 Age by Language Spoken at Home by Ability to Speak English for Population 5 Years and Over



Purchase Area Development District US 51 Corridor Area Study % Limited English Proficiency



Source: Kentucky State Data Center
 Census 2022 American Community Survey 5 Year Data (2018-2022)
 Table B16004 Age by Language Spoken at Home by Ability to Speak English for Population 5 Years and Over

Conclusion

This report of population statistics is to be used as a planning component by the KYTC Division of Planning for the US 51 Corridor Area Study. The purpose of the study is to provide a thorough examination of the area's transportation network. It includes an analysis of existing and future traffic conditions with the goal of identifying low-cost, short-term alternatives that address safety and congestion needs and support future project development and implementation.

According to the Census demographics (minority, poverty, elderly, disability, and LEP) examined in this report, 11 of the 12 block groups represented in the study area contain at least one population demographic with a higher percentage than the respective county. Additionally, seven (7) block groups exceed their county percentages in at least three or more demographic categories. At this stage of planning, no project alignments have been proposed; therefore, no assumptions regarding potential impacts to population groups can be made.

This report provides a demographic overview of the study area to support the planning process and assist in identifying population characteristics that may warrant additional consideration during later phases of project development. As the study progresses, future planning and design work may benefit from further analysis, field review, and coordination with local stakeholders to confirm community characteristics and needs.

Appendix B: Methodology from KYTC
METHODOLOGY FOR ASSESSING
UNDERSERVED POPULATIONS INCLUDING ENVIRONMENTAL JUSTICE,
TITLE VI, AGE AND DISABILITY IN PLANNING STUDIES
Updated October 2024

Cover Page

Title: US 51 Corridor Study
Subtitle: Socioeconomic Study
Date: December 17, 2024
Author: Jon Young

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 Community with potential environmental justice impacts are determined by locating populations of minority, low-income, elderly, disabled, and limited English proficiency 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. KYTC will work in conjunction with the State Data Center to provide pertinent spatial data on a yearly basis for the following, as the update schedule allows:

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