ERPC MPO
ENVIRONMENTAL JUSTICE REPORT

SFY 2019
October 2018

ERIE REGIONAL PLANNING COMMISSION
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INTRODUCTION

As a public agency receiving federal funds and making recommendations on federal expenditures, ERPC is affected by Environmental Justice requirements for ensuring that federal funds are used fairly and without discrimination. The basis for Environmental Justice is Executive Order 12898 and is defined as to "identify and address disproportionately high and adverse human health or environmental effects on minority and low-income populations.

Concern for environmental justice should be integrated into every transportation decision-from the first thought about a transportation plan to post-construction operations and maintenance. Properly implemented, environmental justice principles and procedures improve all levels of transportation decision-making. This approach will:

- Make better transportation decisions that meet the needs of all people.
- Design transportation facilities that fit more harmoniously into communities.
- Enhance the public-involvement process, strengthen community-based partnerships and provide minority and low-income populations with opportunities to learn about and improve the quality and usefulness of transportation in their lives.
- Improve data collection, monitoring and analysis tools that assess the needs of, and analyze the potential impacts on minority and low-income populations.
- Partner with other public and private programs to leverage transportation agency resources to achieve a common vision for communities.
- Avoid disproportionately high and adverse impacts on minority and low-income populations.
- Minimize and/or mitigate unavoidable impacts by identifying concerns early in the planning phase and providing offsetting initiatives and enhancement measures to benefit affected communities and neighborhoods.

The identification of targeted population areas was completed by assessing poverty, minority, 65 years and older, disability, limited English proficiency, and zero vehicle household levels in the county based on regional averages (12.8%, 16.1%, 19.6%, 14.1%, 3.4%, and 6.9% respectively). Demographic information was compiled from the 2016 Five Year American Community Survey Census data. To calculate levels with the available data, demographic data on a census tract level was utilized. The data was reviewed to identify areas where the targeted populations were significantly higher than the county average. These target areas have been mapped along with capacity expansion projects, maintenance projects, and transportation enhancement projects to aid in the impact analysis. Subjective analysis for each project includes completing an environmental justice analysis matrix considering potential impacts that a project could have on an identified environmental justice area.

The following impacts are considered in determining if projects significantly have negative impacts on the targeted populations:

- Bodily impairment, infirmity, illness, or death
- Air, noise, and water pollution and soil contamination
- Destruction or disruption of man-made or natural resources
- Destruction or diminution of aesthetic values
- Destruction or disruption of community cohesion
- Destruction or disruption of a community's economic vitality
- Destruction or disruption of the availability of public and private facilities and services
- Vibration
- Adverse employment effects
- Displacement of persons, businesses, farms, or nonprofit organizations
- Increased traffic congestion
- Isolation
- Exclusion or separation of minority or low-income individuals within a given community or from the broader community
- The denial of, reduction in, or significant delay in the receipt of, benefits of DOT programs, policies, or activities

In order to analyze EJ impacts for the projects in the ERPC MPO region, staff reviewed the projects using the long range travel demand model for the Sandusky Urbanized Area that was developed by the Modeling and Forecasting Section of ODOT's Office of Statewide Planning and Research. The model aided in quantitatively evaluating the effectiveness of the projects and their impact potential to the targeted populations. The MPO region was divided into over 400 traffic analysis zones (TAZs) based on the review of census data, residential patterns, employment, education, recreational locations, and travel characteristics. Travel times were used to analyze the results of project implementation in order to assess accessibility to the generator zones for both targeted and non-targeted populations. Travel times to identified destinations for eleven EJ traffic analysis zones (where poverty, minority, 65 years and older, limited English proficiency, disability, and households with no vehicles available were two times above the county averages) were compared against five non-EJ TAZs. Results show an average decrease in travel times (-0.2 minute) for EJ target zones as compared to average travel times for those non-EJ zones. Programmed projects improved travel times for those identified EJ target areas and did not negatively affect the target groups. The total average travel time difference for all EJ and non-EJ areas show an overall decrease of 18 seconds. 88% of projects in the TIP for FY 2019-2022 for the ERPC MPO region can be considered system preservation projects while the other 12% are projects that include sidewalk installations. Preservation type projects include resurfacing, culvert replacement, signal projects and overall general maintenance of the transportation system. These types of projects have little or no adverse impact on the population. The factors listed above were considered upon review of the projects to measure the impact upon the targeted areas.

Upon staff review, both quantitatively (as explained) and subjectively, it is believed that no disproportionately high and adverse effects on minority and low-income populations are encountered as a result of the proposed projects listed in this TIP. Additionally, the ERPC staff and its committees considers any adverse effects that a proposed project may have, to ensure that an adverse effect is not predominately borne by a minority population and/or low-income population, or will be suffered by the minority population and/or low-income population and is appreciably more severe or greater in magnitude than the adverse effect to be suffered by the non-minority population and/or non-low-income population.

Maps on the following pages show target areas within the MPO region and associated highway projects that have been identified in the MPO's TIP SFY 2019-2022. Additionally, tabulation of the proportion of all proposed project costs in target EJ areas against total investment was completed and is presented below.

Investment in Target Areas (*Total project costs for all mapped ERPC projects in the TIP)	% of Population	Dollars Programmed*	% of Program	# of Projects
Environmental Justice Area	35%	$22,837,906	56%	20
Non-Environmental Justice Area	65%	$17,858,212	44%	13

Additionally, staff also measures the amount of negative impact for those projects listed in the TIP by estimating the amount of real estate actions that may be imposed upon the identified target areas. It is estimated that approximately 5 projects (9% of total programmed dollars) may involve real estate actions; however, all of these identified projects are safety related where the majority of projects involve installation of new sidewalks to provide safer commutes for the non-motorist. After review of the projects, ERPC staff concludes no significant negative impact to occur to the identified target areas.

In summary, the MPO's various committees and staff are dedicated to identifying any adverse or negative impacts to a population as a result of a project, and will consider possible alternatives should disproportionately high and adverse human health or environmental effects be of concern. The committees and staff are dedicated to identifying any adverse or negative impacts to a population as a result of a project, and will consider possible alternatives should 'disproportionately high and adverse human health or environmental effects' be of concern.

Appendices:

Appendix A…….SFY 2019—2022 Transportation Improvement Program Project Listing

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Appendix C…….Map of SFY 2019—2022 TIP Projects and Poverty Status

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Appendix A

SFY 2019–2022 Transportation Improvement Program (TIP) Project Listing

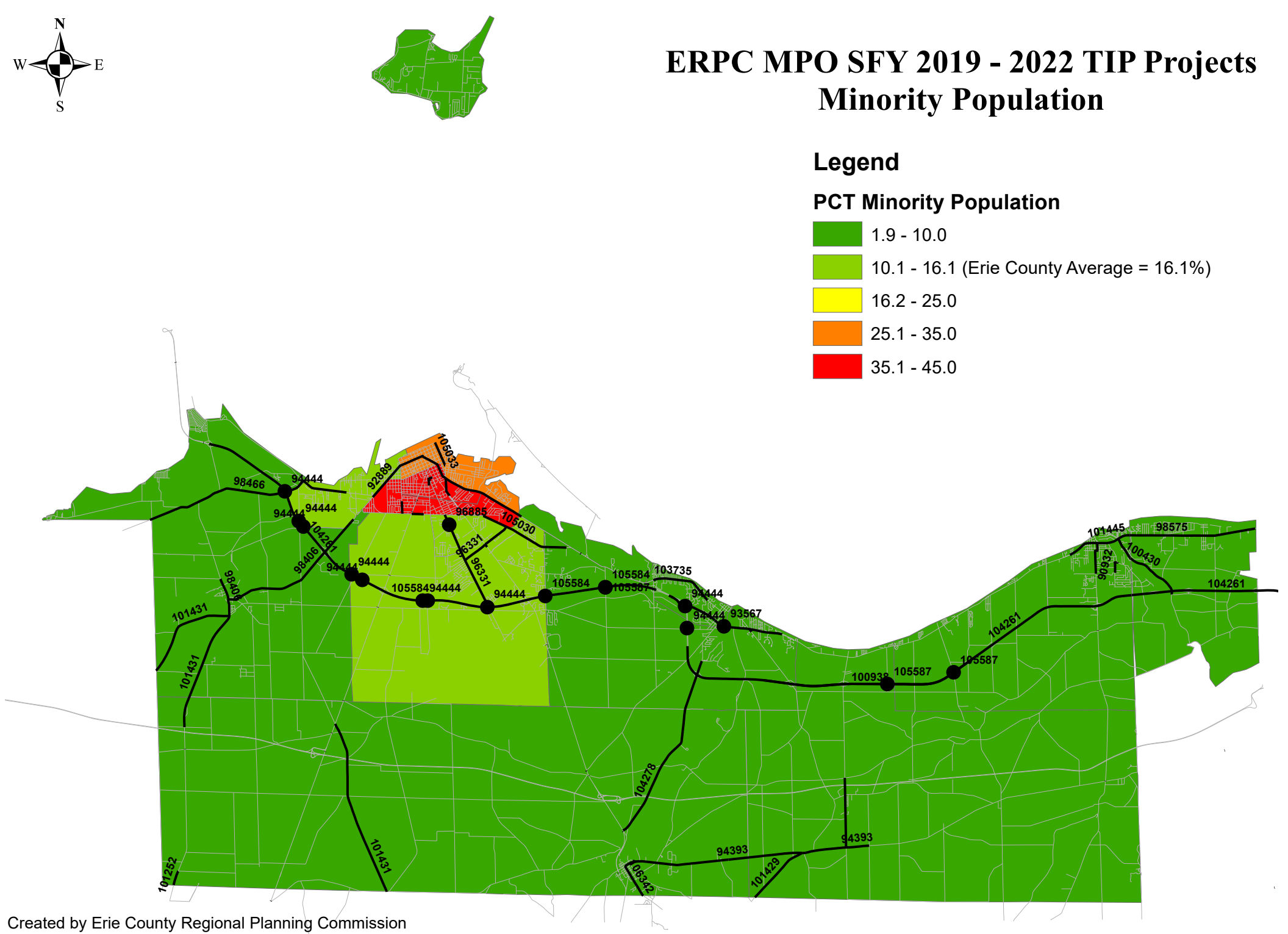
ERPC MPO SFY 2019 Environmental Justice Report
Project Listing SFY 2019 - 2022

PID NUMBER	ODOT DISTRICT	COUNTY NAME	PROJECT NAME	PRIMARY PROGRAM	PROJECT SPONSOR	PRIMARY WORK	FISCAL YEAR	ESTIMATED PROJECT TOTAL
90932	3	Lorain	D03 SRTS Vermilion Inf.	Safe Route to School	Vermilion, City of	Add Sidewalks	2020	$505,414.25
92889	3	Erie	ERI US 0006 06.41	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Resurfacing, Undivided System	2020	$2,077,587.00
93567	3	Erie	ERI US 0006 17.70 Phase 1	MPOs - STP, CMAQ, Enh	Huron, City of	Bridge Repair	2020	$193,846.48
94393	3	Erie	ERI SR 0113 06.84	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Minor Rehabilitation - Pavement Gnrl Sys	2020	$2,373,223.00
94444	3	District 3	D03 BH FY2019 (B)	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Bridge Repair	2019	$703,500.00
96331	3	Erie	ERI CR 0120 00.71 (Columbus)	MPOs - STP, CMAQ, Enh	ERIE COUNTY ENGINEER	Minor Rehabilitation - Pavement Prmy Sys	2020	$1,409,018.76
98406	3	Erie	ERI SR 0101 03.87	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Minor Rehabilitation - Pavement Gnrl Sys	2020	$1,625,756.00
98466	3	Erie	ERI US 0006 00.00	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Preventive Maintenance	2019	$676,840.00
99654	3	District 3	D03 TSG FY2019	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Signals	2019	$447,000.00
100421	3	Erie	ERI US 0006 17.49	District Preservation (Pv & Br)	Huron, City of	Intersection Improvement	2020	$1,373,219.00
100430	3	Lorain	LOR CR 0070 09.74	MPOs - STP, CMAQ, Enh	Vermilion, City of	Resurfacing, Undivided System	2019	$828,514.00
100432	3	Lorain	LOR CR 0070 08.74	MPOs - STP, CMAQ, Enh	Vermilion, City of	Resurfacing, Undivided System	2020	$764,880.00
100938	3	Erie	ERI SR 0002 20.02	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Minor Rehabilitation - Pavement Prmy Sys	2022	$6,553,138.00
101252	3	District 3	HUR SR 0269 05.49	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Minor Rehabilitation - Pavement Gnrl Sys	2019	$865,869.00
101429	3	District 3	D03 CHIP FY2021	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Preventive Maintenance	2021	$2,202,365.00
101431	3	District 3	D03 SMOOTH FY2021	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Preventive Maintenance	2021	$3,663,288.00
101445	3	Erie	ERI SR 0060 08.98	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Resurfacing, Undivided System	2021	$1,305,431.00
103704	3	Erie	ERI US 0006 03.64	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Resurfacing, Undivided System	2021	$577,647.00
103735	3	Lorain	D03 SRTS City of Huron inf	Safe Route to School	Huron, City of	Add Sidewalks	2020	$448,164.10
103737	3	Erie	D03 SRTS City of Sandusky inf	Safe Route to School	Sandusky, City of	Add Sidewalks	2020	$237,000.00
103921	3	Erie	ERI US 0006 13.19	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Culvert Construction/Reconstr/Repair	2019	$195,146.00
104261	3	District 3	D03 MOW FY2021-22 (C)	District Maintenance Contracts	ODOT SPONSORING AGENCY	Mowing	2021	$410,000.00

PID NUMBER	ODOT DISTRICT	COUNTY NAME	PROJECT NAME	PRIMARY PROGRAM	PROJECT SPONSOR	PRIMARY WORK	FISCAL YEAR	ESTIMATED PROJECT TOTAL
104278	3	District 3	D03 SMOOTH FY2022	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Preventive Maintenance	2022	$4,119,035.00
105030	3	Erie	ERI CR 5 3.19 (Perkins Ave)	MPOs - STP, CMAQ, Enh	ERIE COUNTY ENGINEER	Mill and Fill	2019	$709,793.70
105033	3	Erie	ERI CR 0505 00.00 (Meigs St)	MPOs - STP, CMAQ, Enh	Sandusky, City of	Minor Rehabilitation - Pavement Gnrl Sys	2022	$1,059,720.84
105034	3	Erie	ERI TR 007 03.75 (Strub sidewalk)	MPOs - STP, CMAQ, Enh	Perkins, Township of	Add Sidewalks	2022	$382,140.00
105333	3	District 3	D03 LG FY2019(A)	District Maintenance Contracts	ODOT SPONSORING AGENCY	Lighting Maintenance	2019	$150,000.00
105584	3	Erie	D03 BP ERI Paint	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Bridge Repair	2022	$1,200,000.00
105587	3	Erie	ERI Deck Overlay	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Bridge Repair	2020	$430,000.00
106342	3	Erie	D03 SRTS Edison Inf	Safe Route to School	Milan, Village of	Add Sidewalks	2021	$333,600.00
106672	3	Erie	ERI AT Sandusky Inf	Safety HSIP Federal	Sandusky, City of	Bicycle and Pedestrian	2020	$153,561.14
107223	3	Erie	ERI US 0006 16.07	MPOs - STP, CMAQ, Enh	Huron, City of	Resurfacing, Undivided System	2021	$1,471,421.00
109054	3	District 3	D03 GR FY2020(A)	District Preservation (Pv & Br)	ODOT SPONSORING AGENCY	Guardrail Maintenance/Repair (NEW)	2020	$1,250,000.00

Source: ODOT TIMs October 2018

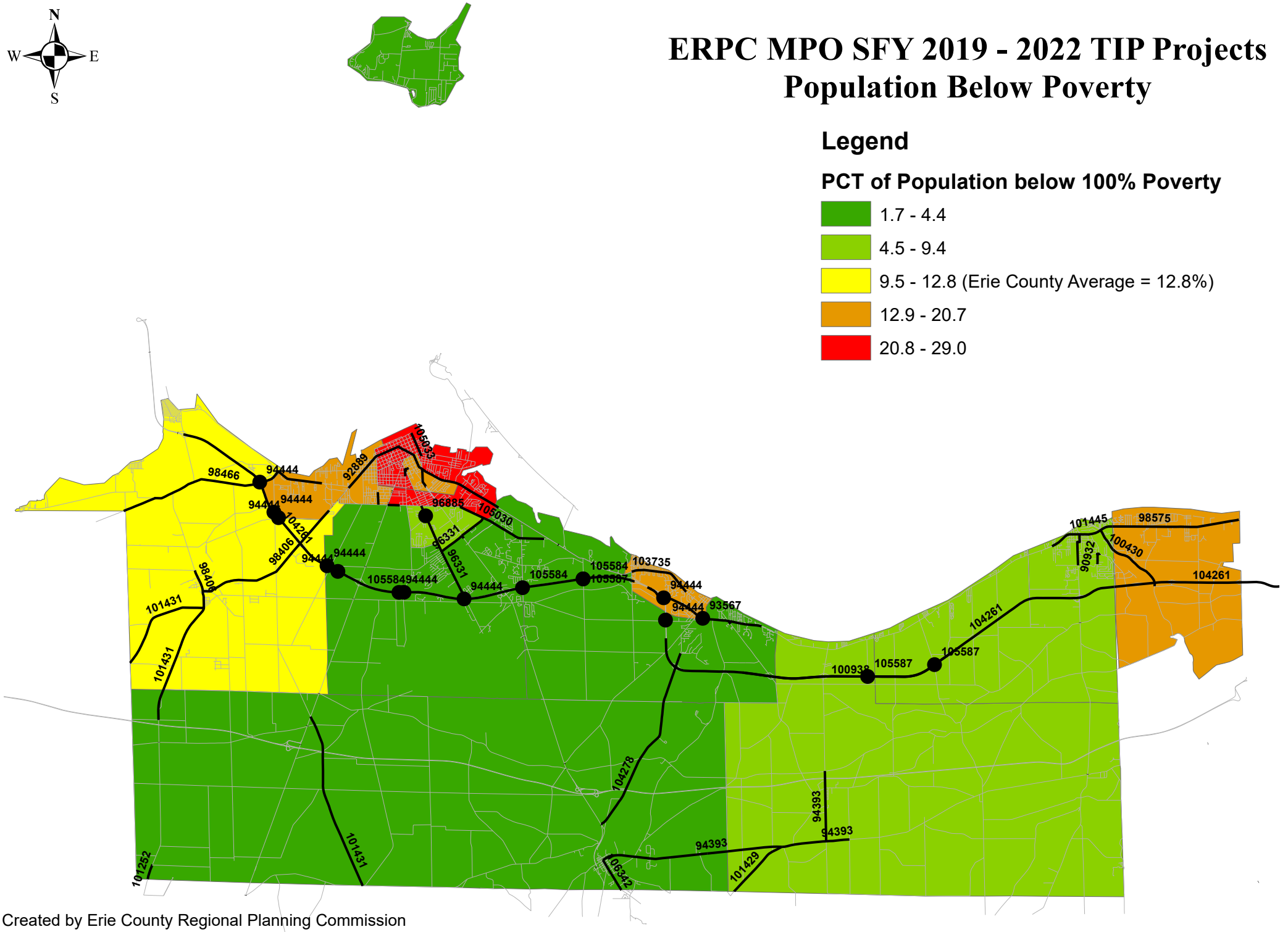
Appendix B
Map of SFY 2019-2022 TIP Projects and Minority Status



Created by Erie County Regional Planning Commission
Metorpolitan Planning Organization
Source: 2016 US Census Bureau 5-Year ACS
October 2018

Appendix C
Map of SFY 2019-2022 TIP Projects and Poverty Status

ERPC MPO SFY 2019 - 2022 TIP Projects
Population Below Poverty

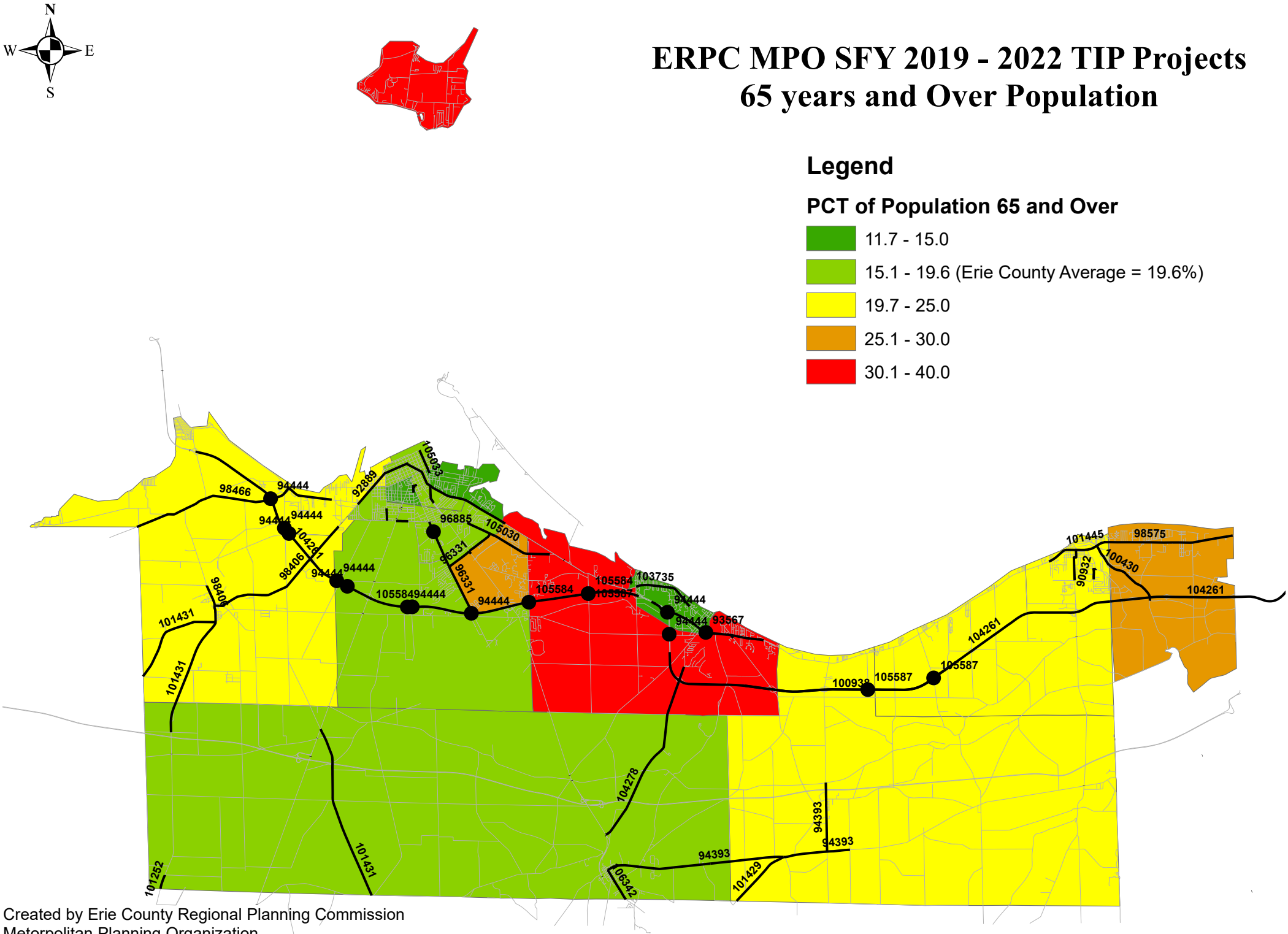


Created by Erie County Regional Planning Commission
Metorpolitan Planning Organization
Source: 2016 US Census Bureau 5-Year ACS
October 2018

Appendix D

Map of SFY 2019—2022 TIP Projects and 65 Years and Older Status

ERPC MPO SFY 2019 - 2022 TIP Projects
65 years and Over Population



Created by Erie County Regional Planning Commission
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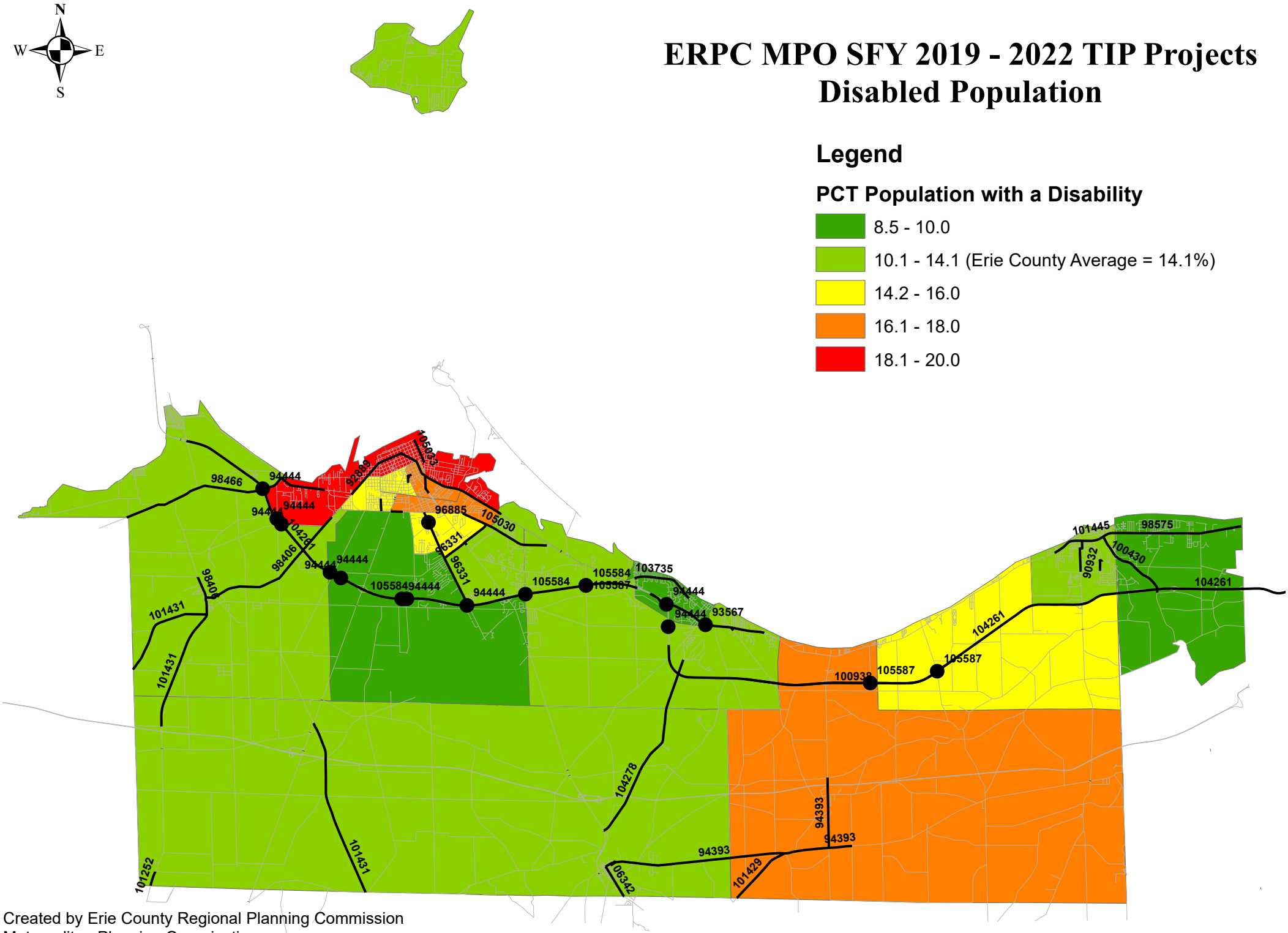
Source: 2016 US Census Bureau 5-Year ACS
October 2018

Appendix E
Map of SFY 2019—2022 TIP Projects and Disability Status

ERPC MPO SFY 2019 - 2022 TIP Projects
Disabled Population



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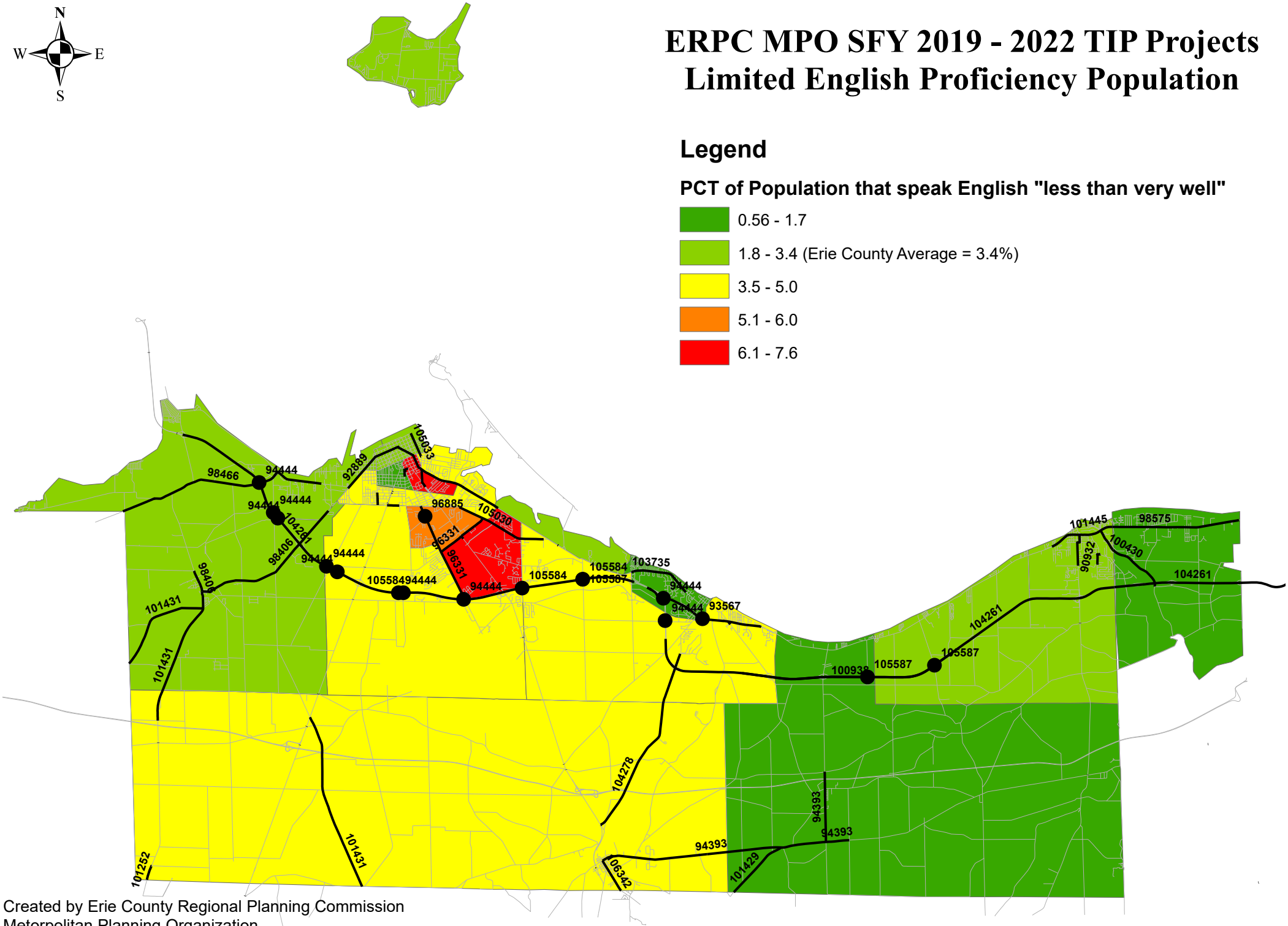
Source: 2016 US Census Bureau 5-Year ACS
October 2018

Appendix F

Map of SFY 2019—2022 TIP Projects and Limited English Proficiency Status

ERPC MPO SFY 2019 - 2022 TIP Projects
Limited English Proficiency Population



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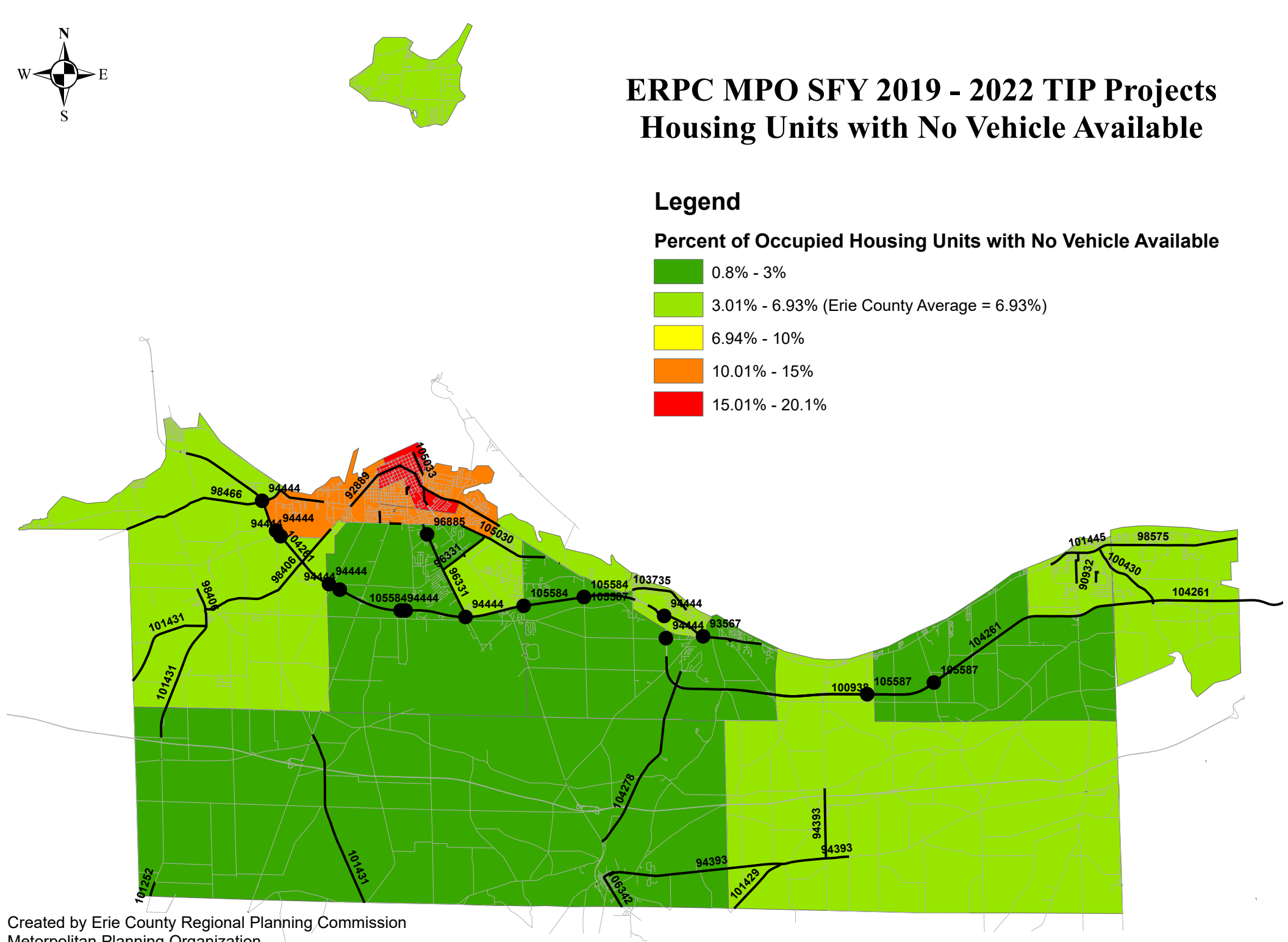
Source: 2016 US Census Bureau 5-Year ACS
October 2018

Appendix G

Map of SFY 2019—2022 TIP Projects and Zero Vehicles Available Households

ERPC MPO SFY 2019 - 2022 TIP Projects
Housing Units with No Vehicle Available



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October 2018