

APPENDIX A: ENVIRONMENTAL JUSTICE ANALYSIS

Introduction

The Environmental Justice (EJ) Analysis for the FY 2022-2025 TIP identifies the location of EJ Areas and analyzes the benefits and burdens for individual projects in the TIP.

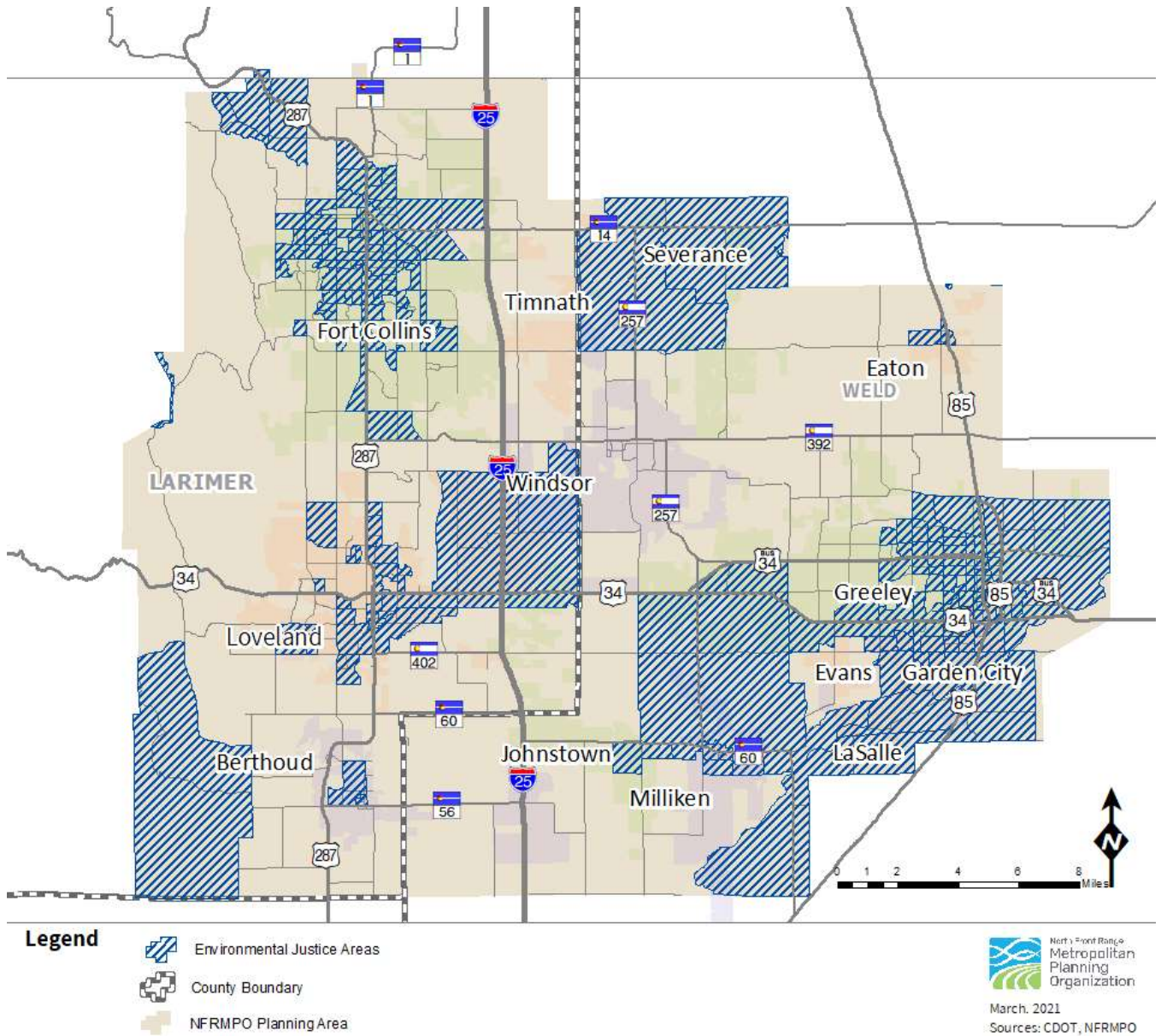
It is important to identify where significant numbers of minority and low-income households are located within the region to comply with the requirements of Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority and Low-Income Populations*, and DOT Order 5610.2(a). These Orders were enacted to ensure the full and fair participation of potentially affected communities in transportation decisions. The intent of EJ is to avoid, minimize, or mitigate disproportionately high and adverse impacts on minority populations and low-income populations.

NFRMPO Environmental Justice Areas

The NFRMPO uses the [CDOT NEPA Manual](#), Version 4 July 2015, as the framework for identifying EJ Areas in the region. EJ Areas are defined as areas with block groups that have a higher percentage of low-income and/or minority populations than the county or regional average, respectively. The percentage of low-income populations is 17.8 percent in Larimer County and 18.9 percent in Weld County. Within the region, 25.2 percent of residents are minorities.

As displayed in **Figure A-1**, EJ Areas are located throughout the region. Areas in Fort Collins with EJ populations are clustered near CSU, and northeast and southeast Fort Collins. CSU maintains a highly diverse student group. Northeast Fort Collins is the location of the historic Tres Colonias neighborhoods. Greeley, Evans, and LaSalle are home to JBS, agricultural, and oil and gas jobs, which often attract immigrants. The area north of Timnath and Severance is predominantly agricultural, attracting seasonal migrants.

Figure A- 1: Environmental Justice Areas



Environmental Justice Analysis

The FY 2022-2025 TIP includes 27 individual projects located in a specific area that can be analyzed for EJ impacts. The remaining projects are project pools or have area-wide impacts. As displayed in **Figure A-2**, the 27 projects include bicycle and pedestrian facilities, bridge reconstruction, CNG fueling stations, intersection improvements, operational improvements, pavement improvements, and roadway widening.

Table A-1 shows information for each project, including if the project was included in the FY 2022-2025 TIP, whether or not the project is located within ¼ mile of an EJ Area, the project burdens, and the project benefits. Of the 27 projects, 20 or 74 percent, are located within ¼ mile of or adjacent to an EJ population and are referred to as EJ projects. Seven projects are not located near EJ populations and are referred to as non-EJ projects.

The benefits and burdens of the individual projects in the FY 2022-2025 TIP are equitably distributed among EJ and non-EJ projects. Seven of the 17 EJ projects have burdens (41 percent), as do seven of non-EJ projects. All the EJ and non-EJ projects have benefits.

Figure A- 2: Environmental Justice Areas and FY 2022-2025 TIP Projects by Project Type

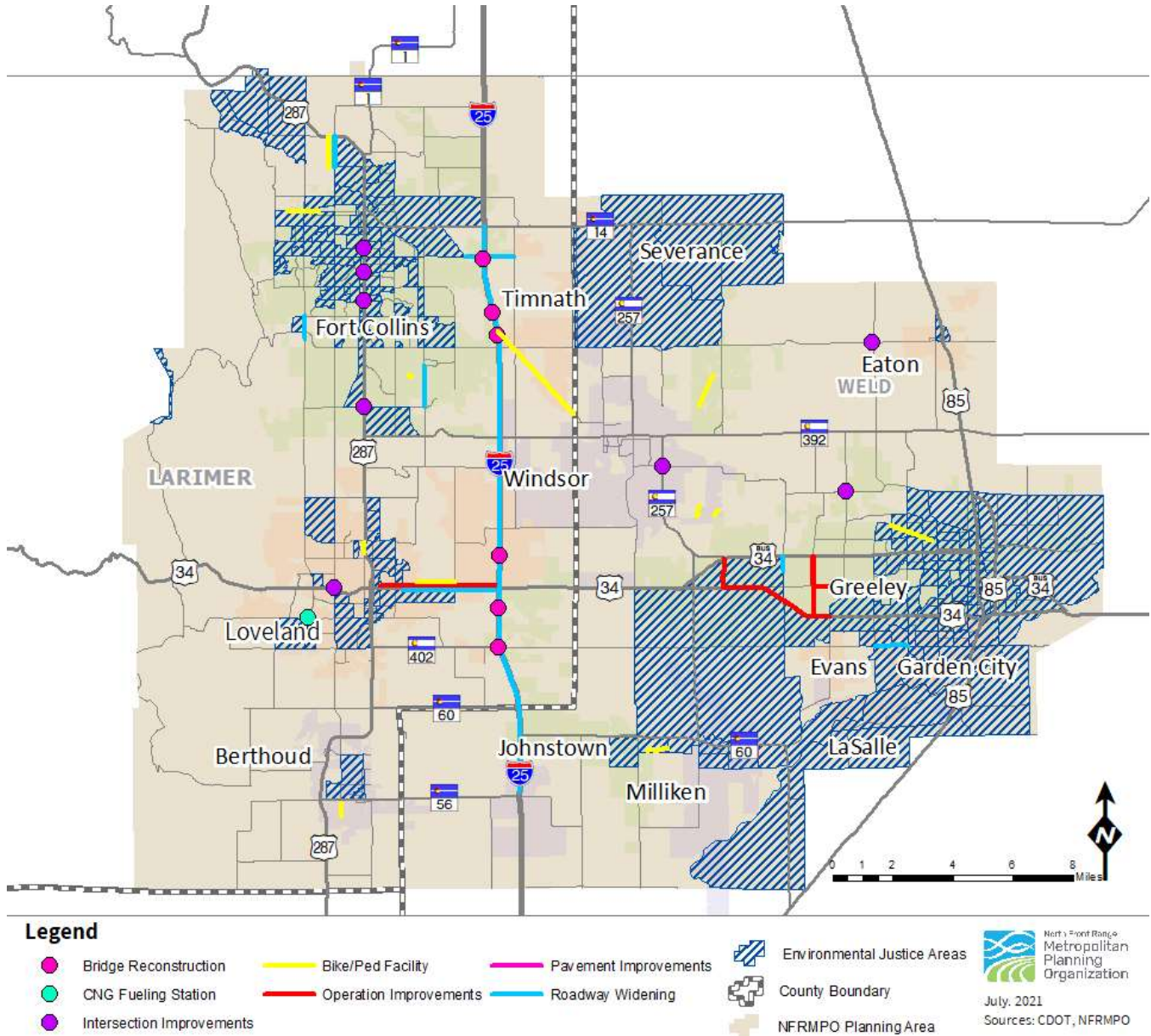


Table A- 1: EJ Analysis for FY 2022-2025 TIP Projects

Projects are identified by Name, Project Sponsor, Improvement Type, and Funding Program

Criteria	North I-25: Design Build, CDOT Region 4, Highway Added Capacity and Modify & Reconstruct, Various	Little Thompson River Corridor Trail - Phase 1a, Johnstown, Bike/Ped Facility, TA	North LCR 17 Expansion, Larimer County, Widening and Bike/Ped Facility, STBG and TA	Poudre River Trail Realignment, Windsor, Bike/Ped Facility, TA	CNG Fast Fill Stations, Loveland, Operations, CMAQ	Traffic Signal Progression Improvements—US 34, Loveland, ITS Traffic Controls, CMAQ
Project Information						
Project included in the FY 2020-2023 TIP	Yes	Yes	Yes	No	Yes	Yes
EJ Project: Project located 1/4 mile from areas that are above county average for Hispanic, minority, and/or low income	Yes	Yes	Yes	No	No	Yes
Burdens						
Bodily impairment, infirmity, illness, or death	No	No	No	No	No	No
Air, noise, and water pollution and soil contamination	Yes	No	Yes	No	Yes	No
Destruction or disruption of man-made or natural resources, aesthetic values, or availability of public and private facilities and services	Yes	No	Yes	No	No	No
Adverse impacts on community cohesion or economic vitality	No	No	No	No	No	No
Noise and vibration	Yes	No	Yes	No	No	No
Increased traffic congestion, isolation, exclusion, or separation	No	No	No	No	No	No
Benefits						
Decrease in travel time	Yes	No	No	No	No	Yes
Improved air quality	Yes	Yes	Yes	No	Yes	Yes
Expanded access to employment opportunities	Yes	No	No	No	No	Yes
Improved access to transit options and alternative modes of transportation (walking and bicycling)	Yes	Yes	Yes	Yes	No	No

Criteria	Phase 3 Fiber, ITS, Greeley, CMAQ	N Taft Avenue & US 34, Intersection Improvements, Loveland, CMAQ	US 287 and Trilby, Intersection Improvements, Fort Collins, CMAQ	Timberline Road Corridor Improvements, Fort Collins, Widening, STBG	59 th Avenue and O Street Roundabout, Greeley, Weld County, STBG	US 34 (Eisenhower Boulevard) Widening—Boise Avenue to I-25, Loveland, Widening, STBG
Project Information						
Project included in the FY 2020-2023 TIP	No	No	No	Yes	Yes	Yes
EJ Project: Project located 1/4 mile from areas that are above county average for Hispanic, minority, and/or low income	Yes	Yes	Yes	No	Yes	Yes
Burdens						
Bodily impairment, infirmity, illness, or death	No	No	No	No	No	No
Air, noise, and water pollution and soil contamination	No	No	No	Yes	No	Yes
Destruction or disruption of man-made or natural resources, aesthetic values, or availability of public and private facilities and services	No	No	No	Yes	No	Yes
Adverse impacts on community cohesion or economic vitality	No	No	No	No	No	No
Noise and vibration	Yes	Yes	Yes	Yes	Yes	Yes
Increased traffic congestion, isolation, exclusion, or separation	No	No	No	No	No	No
Benefits						
Decrease in travel time	Yes	Yes	Yes	Yes	Yes	Yes
Improved air quality	Yes	Yes	Yes	Yes	Yes	Yes
Expanded access to employment opportunities	Yes	Yes	Yes	Yes	Yes	Yes
Improved access to transit options and alternative modes of transportation (walking and bicycling)	No	No	No	No	Yes	No

Criteria	US 34 (Eisenhower Boulevard) Widening—Boise Avenue to I-25, Loveland, Widening, STBG	Intersection Improvements at SH 257 & Eastman Park Dr., Windsor, Intersection Improvements, STBG	CR 19 (Taft Hill) Improvements, Widening, Fort Collins, STBG	Roundabout at WCR 74 and WCR 33, Intersection Improvements, Weld County, STBG	37th St Widening, Widening, Evans, STBG	Fort Collins, US 287 Intersection Improvements Project, Operations, STBG
Project Information						
Project included in the FY 2020-2023 TIP	Yes	Yes	No	No	No	No
EJ Project: Project located 1/4 mile from areas that are above county average for Hispanic, minority, and/or low income	Yes	No	Yes	No	Yes	Yes
Burdens						
Bodily impairment, infirmity, illness, or death	No	No	No	No	No	No
Air, noise, and water pollution and soil contamination	Yes	Yes	Yes	Yes	Yes	No
Destruction or disruption of man-made or natural resources, aesthetic values, or availability of public and private facilities and services	Yes	Yes	Yes	Yes	Yes	No
Adverse impacts on community cohesion or economic vitality	No	No	No	No	No	No
Noise and vibration	Yes	Yes	Yes	Yes	Yes	No
Increased traffic congestion, isolation, exclusion, or separation	No	No	No	No	No	No
Benefits						
Decrease in travel time	Yes	Yes	Yes	Yes	Yes	Yes
Improved air quality	Yes	Yes	Yes	Yes	Yes	Yes
Expanded access to employment opportunities	Yes	No	Yes	No	Yes	No
Improved access to transit options and alternative modes of transportation (walking and bicycling)	No	No	No	No	No	No

Criteria	83 rd Avenue Roadway Improvements, Greeley, Widening STBG	Greeley #3 Canal Trail, Bike/Ped Facility, Greeley, MMOF	Poudre River Regional Trail Windsor to Timnath Connection, Bike/Ped Facility, Larimer County, MMOF	South Boyd Lake Trail, Bike/Ped Facility, Loveland, MMOF	Laporte Ave Improvements - Fishback to Sunset, Bike/Ped Facility, Evans, MMOF	Berthoud Parkway Trail Gap Elimination, Bike/Ped Facility, Berthoud, MMOF
Project Information						
Project included in the FY 2020-2023 TIP	No	No	No	No	No	No
EJ Project: Project located 1/4 mile from areas that are above county average for Hispanic, minority, and/or low income	Yes	Yes	No	Yes	Yes	Yes
Burdens						
Bodily impairment, infirmity, illness, or death	No	No	No	No	No	No
Air, noise, and water pollution and soil contamination	No	No	No	No	No	No
Destruction or disruption of man-made or natural resources, aesthetic values, or availability of public and private facilities and services	No	No	No	No	No	No
Adverse impacts on community cohesion or economic vitality	No	No	No	No	No	No
Noise and vibration	No	No	No	No	No	No
Increased traffic congestion, isolation, exclusion, or separation	No	No	No	No	No	No
Benefits						
Decrease in travel time	Yes	No	No	No	No	No
Improved air quality	Yes	No	No	No	No	No
Expanded access to employment opportunities	No	No	No	No	No	No
Improved access to transit options and alternative modes of transportation (walking and bicycling)	Yes	Yes	Yes	Yes	Yes	Yes

Criteria	WCR23/Great Western Trail Pedestrian Connection, Bike/Ped Facility, Severance, MMOF	Siphon Overpass-UPRR Power Trail Grade Separated Crossing, Bike/Ped Facility, Fort Collins, MMOF	SH 287 West Sidewalk Gap, Bike/Ped Facility, Loveland, MMOF
Project Information			
Project included in the FY 2020-2023 TIP	No	No	No
EJ Project: Project located 1/4 mile from areas that are above county average for Hispanic, minority, and/or low income	No	No	Yes
Burdens			
Bodily impairment, infirmity, illness, or death	No	No	No
Air, noise, and water pollution and soil contamination	No	No	No
Destruction or disruption of man-made or natural resources, aesthetic values, or availability of public and private facilities and services	No	No	No
Adverse impacts on community cohesion or economic vitality	No	No	No
Noise and vibration	No	No	No
Increased traffic congestion, isolation, exclusion, or separation	No	No	No
Benefits			
Decrease in travel time	No	No	No
Improved air quality	No	No	No
Expanded access to employment opportunities	No	No	No
Improved access to transit options and alternative modes of transportation (walking and bicycling)	Yes	Yes	Yes

July 2021 TIP Amendment Environmental Justice Analysis

Criteria	WCR 13 Alignment Improvements, Windsor, Modify & Reconstruct STBG
Project Information	
Project included in the FY 2020-2023 TIP	No
EJ Project: Project located 1/4 mile from areas that are above county average for Hispanic, minority, and/or low income	No
Burdens	
Bodily impairment, infirmity, illness, or death	No
Air, noise, and water pollution and soil contamination	No
Destruction or disruption of man-made or natural resources, aesthetic values, or availability of public and private facilities and services	No
Adverse impacts on community cohesion or economic vitality	No
Noise and vibration	No
Increased traffic congestion, isolation, exclusion, or separation	No
Benefits	
Decrease in travel time	Yes
Improved air quality	No
Expanded access to employment opportunities	No
Improved access to transit options and alternative modes of transportation (walking and bicycling)	No

