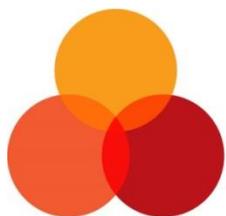


FY 2020-2023 TRANSPORTATION IMPROVEMENT PROGRAM

ADOPTED
NOVEMBER 2019



Cleveland Urban Area
METROPOLITAN PLANNING ORGANIZATION

The preparation of this report has been financed in part through grant[s] from the Federal Highway Administration and Federal Transit Administration, U.S. Department of Transportation, under Section 104(f) of Title 23 of the U.S. Code. The contents of this report do not necessarily reflect the official views or policy of the U.S. Department of Transportation. This report was prepared by the Cleveland Urban Area Metropolitan Planning Organization in cooperation with the U. S. Department of Transportation, Federal Highway Administration, Federal Transit Administration, the Tennessee Department of Transportation, the Southeast Tennessee Human Resources Agency, Bradley and McMinn Counties, Tennessee and the Cities of Cleveland, Charleston, and Calhoun, Tennessee.

The Cleveland Urban Area Metropolitan Planning Organization does not discriminate on the basis of age, race, sex, color, national origin, religion, or disability in access to, or operation of its programs, services, activities or in its hiring or employment practices. ADA and Title VI inquiries should be forwarded to: Greg Thomas, AICP, Cleveland MPO, P.O. Box 1519, Cleveland, TN 37364, phone (423) 479-1913 or gthomas@clevelandtn.gov.



Cleveland Urban Area METROPOLITAN PLANNING ORGANIZATION

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A RESOLUTION OF THE CLEVELAND URBAN AREA METROPOLITAN PLANNING ORGANIZATION

WHEREAS, the United States Department of Transportation has enacted rules and regulations regarding urban transportation planning as reflected in 23 CFR § 450.320 and, thereby, establishing guidelines for the development, content, and processing of a cooperative developed Transportation Improvement Program (TIP) in urbanized areas; and

WHEREAS, the FY2020 - FY2023 TIP describes all of the transportation work activities to be undertaken by local, regional, or state agencies pertinent to the Cleveland Urbanized Area during the next four years; and

WHEREAS, the various state, local, and regional agencies involved with transportation planning for the Cleveland Urbanized Area have cooperatively developed a FY2020-FY2023 TIP; and,

WHEREAS, members of the Metropolitan Planning Organization's Technical Coordinating Committee and Executive Board agree that this FY2020-2023 Transportation Improvement Program will effectively advance the transportation needs of the next four years,

NOW, THEREFORE, BE IT RESOLVED THAT the Cleveland Urban Area Metropolitan Planning Organization does hereby adopt the FY2020-FY2023 Transportation Improvement Program (TIP). The MPO that the planning process and public participation process required for the adoption of the FY2020-2023 TIP has been conducted in accordance with all applicable requirements.

Approved, this 6th day of November, 2019:

Mayor Kevin Brooks, MPO Chairman

METROPOLITAN TRANSPORTATION PLANNING PROCESS CERTIFICATION

In accordance with 23 CFR 450.336, the Cleveland Metropolitan Planning Organization and the Tennessee Department of Transportation hereby certify that the metropolitan transportation planning process is addressing major issues facing the Cleveland, TN urbanized area, and is being carried out in accordance with the following requirements:

- I. 23 U.S.C. 134 and 135, 49 U.S.C. 5303 and 5304 (Highways and Transit).
- II. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000 d-1) and 49 CFR part 21.
- III. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity.
- IV. Section 1101 (b) of the FAST-ACT (Pub. L 114-357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT-funded projects.
- V. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts.
- VI. Provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq) and 49 CFR parts 27, 37, and 38.
- VII. In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended, 42 U.S.C. 7504, 7506 (c) and (d), and 40 CFR part 93.
- VIII. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance.
- IX. Section 324 of Title 23 U.S.C. regarding the prohibition of discrimination based on gender.
- X. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

Signature: _____

Date: September 18, 2019

Print Name: Kevin Brooks

Title: Mayor

Ronnie Porter

Date: _____

10/30/19

Ronnie Porter
Director, TDOT Program Development &
Administration Division

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GUIDE TO TRANSPORTATION ACRONYMS

3-R	Resurfacing, Rehabilitation, or Restoration: 3-R improvements may be implemented on any road included on the functional classification network and contained within the MPO boundary.
3-C	3-C planning process: The 3-C planning process is defined as a Continuing, Cooperative, and Comprehensive process carried out by MPOs to ensure that existing and future expenditures for transportation projects and programs are carried out responsibly.
ADA	Americans with Disabilities Act of 1990: Federal law that requires public facilities (including transportation services) to be accessible to persons with disabilities including those with mental disabilities, temporary disabilities, and the conditions related to substance abuse.
CE	Categorical Exclusion: All regionally significant and/or federally funded transportation actions must go through an environmental review process. A CE is prepared for proposed transportation actions that do not individually or cumulatively have a significant environmental effect.
CMAQ	Congestion Mitigation and Air Quality Improvement Program: Provides a flexible funding source to state and local governments for transportation projects and programs to help meet requirement of the Clean Air Act.
CONSTR	Construction: Work by the agency or contractor(s) to construct the project, possibly including utility relocation.
CUATS	Cleveland Urban Area Transit System: Provides fixed-route and paratransit services to citizens in the urbanized area.
DOT	Department of Transportation: Agency responsible for transportation at the local, state or federal level. For Title 23 U.S.C. federal-aid highway actions, this means the Federal Highway Administration. For federal-aid transit actions under Title 49 U.S.C., this means the Federal Transit Administration.
E+C	Existing + Committed Project List: A list of projects located in the MPO area that have been recently constructed, or for which funds are already committed.
EA	Environmental Assessment: All regionally significant and/or federally funded transportation actions must go through an environmental review process. An EA is prepared for proposed transportation actions for which the significance of the environmental impact is not clearly established. It is prepared to determine the appropriate type of environmental document required before receiving federal approval to move forward with the proposed transportation action.

GUIDE TO TRANSPORTATION ACRONYMS (CONT.)

EIS	Environmental Impact Statement: All regionally significant and/or federally funded transportation actions must go through an environmental review process. An EIS is prepared for proposed transportation actions that significantly impact the environment. It explains the purpose and need for a project, presents project alternatives, analyzes the likely impacts of each, explains the choice of a preferred alternative, and finally details measures to be taken in order to mitigate the impacts of the preferred alternative.
EPA	Environmental Protection Agency: A federal agency charged with protecting human health and with safeguarding the natural environment, including air, water and land.
FAST Act	Fixing America's Surface Transportation Act: Federal legislation signed into law by President Obama on December 4, 2015, to fund federal surface transportation spending.
FHWA	Federal Highway Administration: A division of the U.S. Department of Transportation responsible for administering federal highway transportation programs under Title 23 U.S.C.
FTA	Federal Transit Administration: A division of the U.S. Department of Transportation responsible for administering federal resources for transit capital and operating assistance and for transit planning.
FTA-5307	Federal Transit Administration Section 5307 Urbanized Area Formula Funding program grants make federal resources available to urbanized areas and to governors for transit capital and operating assistance in urbanized areas and for transportation-related planning
FTA-5310	Federal Transit Administration Section 5310 funds, titled Enhanced Mobility of Seniors & Individuals with Disabilities , provide formula funding to states for the purpose of assisting private nonprofit groups in meeting the transportation needs of older adults and people with disabilities when the transportation service provided is unavailable, insufficient, or inappropriate to meeting these needs.
FTA-5339	Federal Transit Administration Section 5339 funds, titled Bus and Bus Facilities program , make Federal resources available to states and designated recipients to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities including technological changes or innovations to modify low or no emission vehicles or facilities.

GUIDE TO TRANSPORTATION ACRONYMS (CONT.)

FY	Fiscal Year: The federal fiscal year (or budget year) runs from October 1 through September 30 of each year. Years shown in MPO documents reflect the federal fiscal year.
HIP	Highway Infrastructure Program: A federal funding program. For a description, see Appendix B, TIP Funding Sources.
HSIP	Highway Safety Improvement Program: A federal funding program. For a description, see Appendix B, TIP Funding Sources.
ITS	Intelligent Transportation Systems: Procuring, developing, or integrating technology to manage transportation facilities, improve safety, or mobility.
MPO	Metropolitan Planning Organization: The forum for cooperative transportation decision-making, required for urbanized areas with populations over 50,000.
NEPA	National Environmental Policy Act: Passed by Congress in 1969 and signed into law on January 1, 1970, NEPA requires federal agencies to integrate environmental consideration into their decision-making processes by considering the environmental impacts of their proposed actions, and reasonable alternatives to those actions.
NHPP	National Highway Performance Program: federal funding program intended for use on the National Highway System, a designated network of primary highways that includes all interstates and major arterials considered to be critical links in the nation's transportation system. For more detail about NHPP, see Appendix B, TIP Funding Sources.
OPER	Operations: Operating the transportation system such as incurring costs related to the day-to-day operations or maintenance of transit vehicle systems, traffic signal systems, or intelligent transportation systems.
PE-N	Preliminary engineering-NEPA: Includes activities from the inception of the project, fulfilling the requirements of the National Environmental Policy Act of 1969 and all applicable legislation, regulations, executive orders, and directives, up to the approval of the environmental document.
PE-D	Preliminary engineering-design: Preliminary engineering design work, according to accepted engineering practices, after approval of the environmental document.

GUIDE TO TRANSPORTATION ACRONYMS (CONT.)

PPP	Public Participation Plan: Describes the process by which the MPO provides opportunities for the public to be involved in exchanging information and ideas about transportation needs, goals, and projects and/or services.
PURCHASE	Purchase/Acquire: Procuring equipment, software, or vehicles.
ROW	Right-of-way: Work from the distribution of ROW plans up to advertising for bids or commencement of work by the Agency, dealing with real property acquisition, temporary and permanent easements, and utility relocation.
RTP	Regional Transportation Plan: Document developed through collaboration and consensus that serves as the defining vision for the transportation systems and services. In the MPO, the plan indicates all regionally significant transportation improvements scheduled for funding over the next 20-25 years. It is fiscally constrained, i.e. the number of projects/programs in the plan do not exceed the amount of revenue reasonably expected to be available during that time period.
SETHRA	Southeast Tennessee Human Resource Agency: Agency that provides transit service to the non-urbanized portions of the MPO.
SR	State Route: Roadway owned and maintained by the State. Some state routes are also designated as U.S. highways.
STA	Acronym used to distinguish state funds that are completely non-federal as opposed to federal funds that are managed at the state's discretion. In Tennessee, most non-federal funds provided by the state come from the gasoline tax.
STIP	State Transportation Improvement Program: Document that lists all federally-funded transportation projects and programs to be undertaken statewide during a specified time period. The MPO's TIP is officially a component of the STIP.
STBG	Surface Transportation Block Grant Program: A federal funding program. For a description, see Appendix B, TIP Funding Sources.
TRANSPORTATION ALTERNATIVES	Transportation Alternatives funds are a set-aside of the STBG program for a variety of smaller-scale transportation projects such as pedestrian and bicycle facilities, recreational trails, safe routes to school projects, community improvements such as historic preservation and vegetation management, and environmental mitigation related to stormwater and habitat connectivity
TCC	Technical Coordinating Committee: Standing committee of the MPO whose function is to provide professional input and recommendations on transportation decisions. Composed of planners, engineers and other professional staff.

GUIDE TO TRANSPORTATION ACRONYMS (CONT.)

TDOT	Tennessee Department of Transportation: State agency responsible for building, operating and maintaining all roads on the federal-aid system, and for overseeing the provision of public transit services. In MPO areas, TDOT is responsible for federal and state highways and for the oversight of local/regional agencies who manage the local federal-aid routes.
TIP	Transportation Improvement Program: Document that includes a group of projects/programs selected from the long-range Regional Transportation Plan for implementation during a specified 4-year period. Includes all projects and programs that use federal transportation funds.
TSM	Transportation Systems Management: Strategies to improve the efficiency of the transportation system through operational improvements, rather than the addition of roadway capacity.
U-STBG	Urban Surface Transportation Block Grant Program: A federal funding program. For a description, see Appendix B, TIP Funding Sources.
UPWP	Unified Planning Work Program: Document adopted by an MPO that identifies all transportation planning activities to be undertaken during the next 1-2 years, including a schedule for completion.

FY2020-2023 TIP PROJECTS

MPO PROJECTS			
2040 RTP ID#	TIP ID #	Project Name / Roadway	Type
94, 108	2013-01	20th Street/Michigan Avenue Road	Road Reconstruction
E+C	2013-05	Adkisson Drive widening and roundabout	Road Widening
Table 5-9	2017-06	Cleveland-Chattanooga Commute Hub	Transit
Table 5-9	2017-07	Cleveland Rideshare Program	Transit
Tables 5-10 and 5-11	2017-08	Cleveland-Chattanooga Connecting Service	Transit
Table 5-9	2017-13	Gaut Street area sidewalks and bus stops	Bicycle/Pedestrian
Table 5-9	2017-01	Urban STBG Grouping	Grouping
Table 5-11	2017-02	Transit Operations	Grouping
Table 5-10	2017-03	Transit Capital Purchases	Grouping
Table 5-9	2018-01	Sidewalks on 25th St and Peerless Rd NW	Bicycle/Pedestrian
Table 5-9	2019-01	Paul Huff Pkwy. from Georgetown Rd. (SR 60) to N. Lee Hwy.	Road Resurfacing
Table 5-9	2019-02	Paul Huff Pkwy. - traffic signal upgrades from Georgetown Rd. (SR 60) to Michigan Ave. Rd. NE	Operational Improvements
Table 5-9	2019-03	Cleveland Greenway – Phase VI	Bicycle/Pedestrian

STATE PROJECTS			
2040 RTP ID#	TIP ID #	Project Name / Roadway	Type
Table 5-9	06095	Cleveland MPO – Safety – Urban Grouping	Grouping
Table 5-9	06110	National Highway System Preservation and Operation	Grouping
Table 5-9	06111	Surface Transportation System Preservation and Operation	Grouping
E+C	06001	SR-60 Widening	Road Widening
83	2017-09	I-75 / SR 308 interchange improvements	Extend Ramps
70	2017-10	SR-2 (US-11, N. Lee Highway)	Road Widening
86, 103	2017-11	SR-60 West of SR-306	Road Widening
105	2017-12	I-75 South of Exit 20 to Hamilton County Line	Road Widening

1

INTRODUCTION

What is a TIP?

The FY2020-FY2023 Transportation Improvement Program (TIP) is a programming document that reflects regional priorities for the expenditure of federal transportation funds during the 4-year period. The TIP describes all regionally significant, federally funded projects and transportation services in the Cleveland urbanized area for highway, pedestrian and bicycle facilities, and transit. This includes projects proposed to be funded with federal funds that are not administered by FHWA/FTA, and is not limited to projects funded with federal funds. It is also fiscally constrained, meaning that all of the project phases listed can be implemented within the revenue anticipated to be available during federal fiscal years 2020-2023, running from October 1, 2019 to September 30, 2023. The previous TIP covered fiscal years 2017 through 2020 and was adopted in November of 2016. Years shown in this document reflect the federal fiscal year.

All projects and programs in this TIP are included in the 2040 Regional Transportation Plan and local transportation plans, including those of transit operators.

What is the MPO?

Federal law requires that every urban area over 50,000 in population, i.e. an urbanized area, be represented by a metropolitan planning organization (MPO) responsible for carrying out the metropolitan transportation planning process. In 2000, the U.S. Census defined portions of Cleveland and Bradley County as an urbanized area with a population exceeding 50,000. In accordance with federal law, the Cleveland Urban Area MPO was formed in 2003 to carry out transportation planning in Cleveland and the adjoining urbanized portions of Bradley County.

When the decennial Census was updated in 2010, strong growth in the greater Cleveland area resulted in expansion of the urbanized area along the North Lee Highway corridor through the City of Charleston, crossing the Hiwassee River into McMinn County. To ensure that the entire new urbanized area was encompassed as well as those areas expected to be urbanized within the next 20 years, as federally required, the MPOs adjusted its urbanized area boundary in 2014. It now includes a larger portion of unincorporated Bradley County, the cities of Charleston and Calhoun, and a small unincorporated area of McMinn County where Resolute Forest Products is located. The MPO's metropolitan planning area was similarly adjusted to reflect the adjusted boundary. **Figure 1** shows both boundaries.

The MPO is responsible for carrying out the transportation planning process and producing key documents that reflect the region's transportation goals, plans, and services. Its core functions (**Figure 2**) address short-term and long-term planning based on ongoing analysis of regional conditions and trends. The MPO is also responsible for transportation programming, i.e. selecting projects from the Regional Transportation Plan and including them in this document for immediate funding and development.

Figure 1: Cleveland Urban Area MPO Planning Area (boundary adopted April 2014)

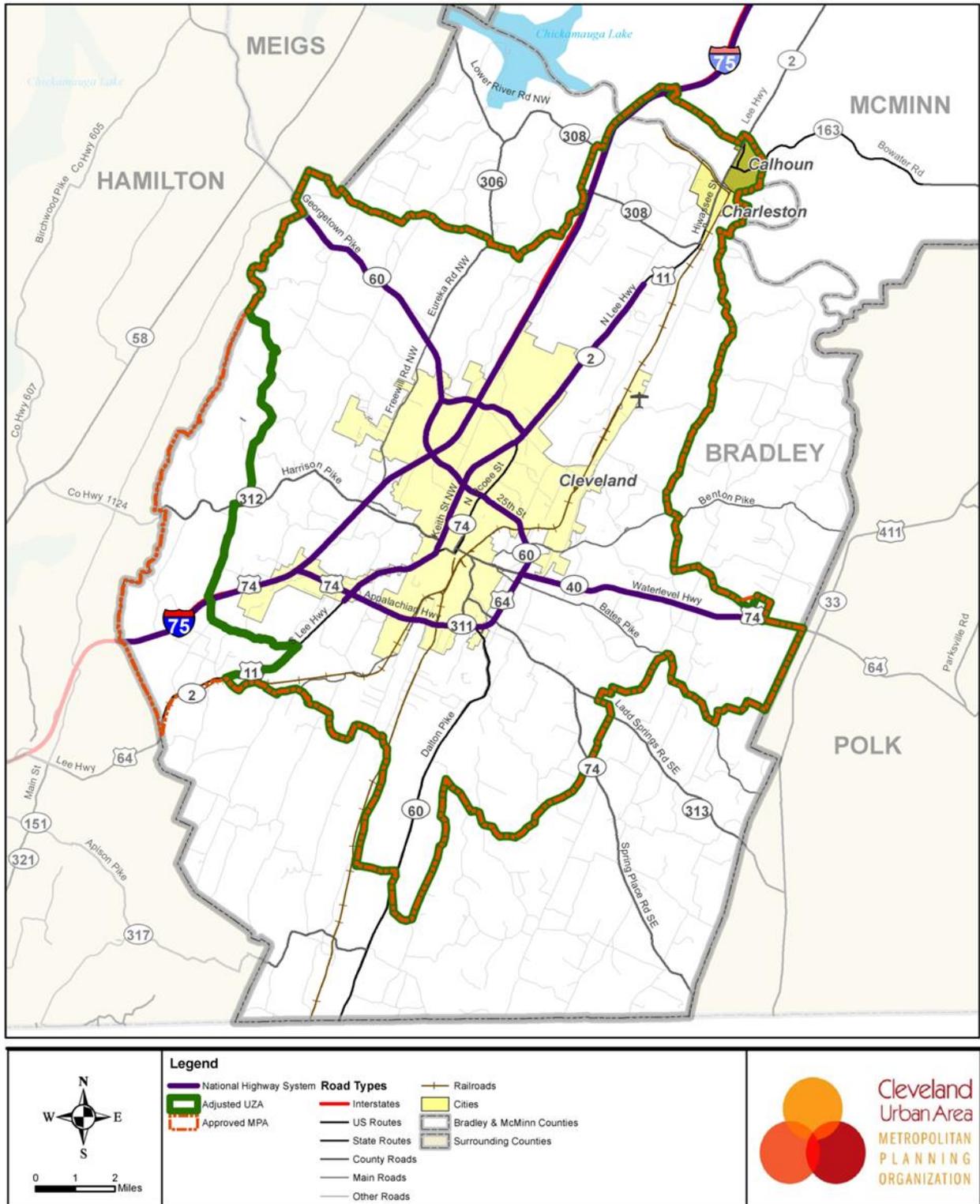
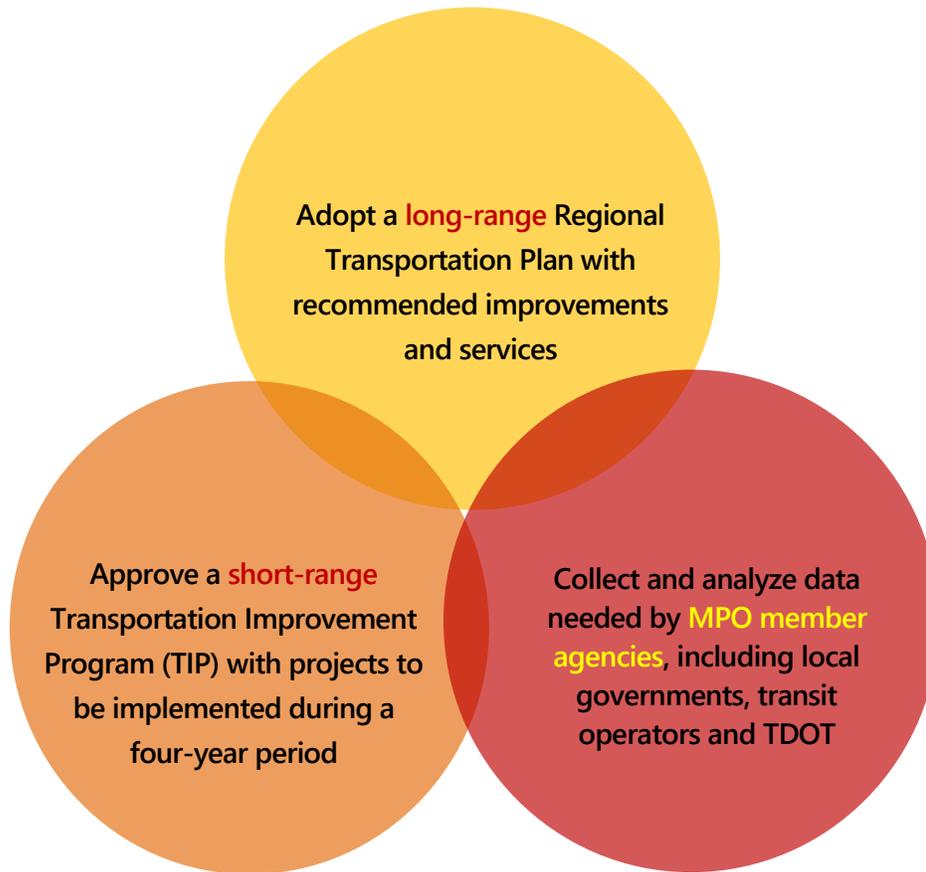


Figure 2: Core Functions of the Cleveland Urban Area MPO



MPO Members

MPO members include the City of Cleveland, Bradley County, City of Charleston, City of Calhoun, McMinn County, Cleveland/Bradley Chamber of Commerce, TDOT and other transportation-related agencies such as the Cleveland Urban Area Transit System and the Southeast Tennessee Development District. Through the MPO, some of those members receive and program federal funds for various transportation projects and programs.

The MPO is led by an Executive Board, which is the policy board of the MPO, a Technical Coordinating Committee (TCC) that provides recommendations to the Executive Board, and a professional MPO staff.

Executive Board

The Executive Board is responsible for carrying out the provisions of federal regulations which call for a continuing, comprehensive, and coordinated transportation planning and programming process. The Board provides administrative and fiscal oversight, reviews and approves all transportation planning and programming decisions, establishes study committees, and ensures proper allocation of planning and program funds.

The current composition of the Executive Board includes six elected and appointed officials from local governments, regional agencies, and the State of Tennessee. The Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) are also represented on the Executive Board as ex-officio, non-voting members.

Members of the MPO Executive Board

- Governor, State of Tennessee
- Executive Director, Southeast Tennessee Human Resources Agency
- Bradley County Mayor
- City of Cleveland Mayor
- City of Cleveland Vice-Mayor
- McMinn County Mayor (currently; seat rotates annually to also include the mayors of Calhoun and Charleston)
- Federal Highway Administration (ex officio, non-voting)
- Federal Transit Administration (ex-officio, non-voting)

Technical Coordinating Committee

The Technical Coordinating Committee (TCC) is responsible for implementing all planning activities, based on the Executive Board's policy direction. Members provide input and review transportation plans, programs, and documentation in order to provide recommendations to the Executive Board for action.

The TCC is comprised of a diverse group of transportation professionals, and advises the Executive Board members on all aspects of the planning process. It includes engineers, community and transportation planners, transit operators, and other professionals from federal, state, and local agencies. The Chairman of the TCC is the Public Works Director for the City of Cleveland. The chairman, along with the MPO Transportation Planning Coordinator, is responsible for ensuring the coordination, direction, and supervision of the transportation planning process.

Technical Coordinating Committee

- City of Cleveland Development & Engineering Services Department
- City of Cleveland Finance Department
- City of Cleveland Public Works Department
- Bradley County Planning Department
- Bradley County Highway Department
- Bradley County appointee
- MPO appointee for Bicycle/Pedestrian Issues
- MPO appointee for Charleston/Bradley County
- MPO appointee for Calhoun/McMinn County
- Cleveland/Bradley County Chamber of Commerce
- Southeast Tennessee Development District and Rural Planning Organization (RPO)
- Southeast Tennessee Human Resource Agency (SETHRA) and Cleveland Urban Area Transit System (CUATS)
- Tennessee Department of Transportation
- Federal Highway Administration – Tennessee Division*
- Federal Transit Administration*

* Ex officio members



MPO Staff

The MPO is also served by professional staff including the MPO Coordinator, who is housed within the City of Cleveland's Development and Engineering Services Department. The MPO Coordinator is responsible for all planning and administrative functions of the MPO. Staff works closely with the TCC and MPO Executive Board and performs many of the day-to-day planning duties and functions.

MPO Transportation Planning Process

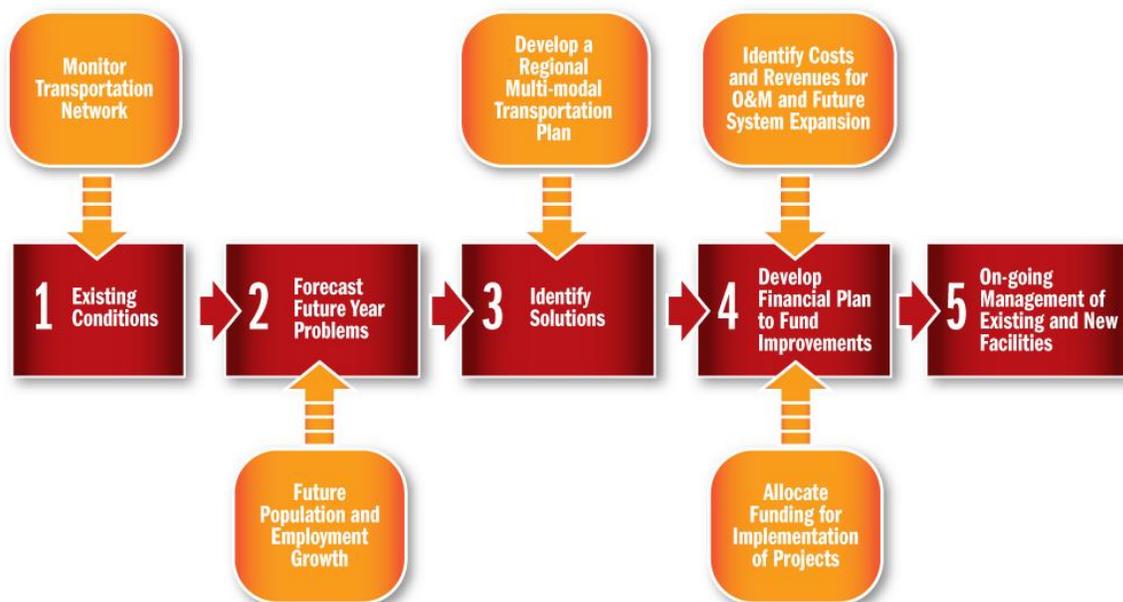
Fixing America's Surface Transportation (FAST) Act is the current federal authorizing act for surface transportation programs, signed into law in 2015. It lists ten planning factors, included under 23 U.S.C. 134, that metropolitan areas should address in carrying out their planning and programming responsibilities:

- ❖ Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
- ❖ Increase the safety of the transportation system for motorized and non-motorized users;
- ❖ Increase the security of the transportation system for motorized and non-motorized users;
- ❖ Increase the accessibility and mobility of people and freight;

- ❖ Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and state and local planned growth and economic development patterns;
- ❖ Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
- ❖ Promote efficient system management and operation;
- ❖ Emphasize the preservation of the existing transportation system;
- ❖ Improve the resiliency and reliability of the transportation system, and reduce or mitigate stormwater impacts of surface transportation; and
- ❖ Enhance travel and tourism.

Figure 3 shows the transportation planning process for which the MPO is responsible.

Figure 3: Regional Transportation Planning Process



The TIP is one of four major work products that the MPO is required to produce and maintain. The others are the Regional Transportation Plan (RTP), Unified Planning Work Program (UPWP), and the Public Participation Plan (PPP). Responsibilities and requirements of the metropolitan planning process are outlined in the United States Code (23 U.S.C. 134 and 49 U.S.C. 5303) and the Code of Federal Regulations under 23 CFR Part 450 and 49 CFR Part 613.

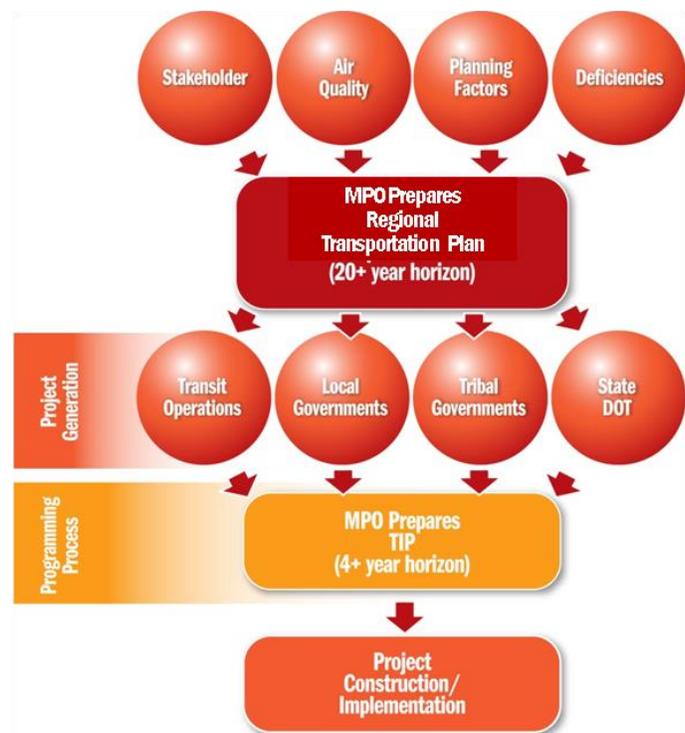
The **Regional Transportation Plan** is a long-range multimodal strategy and capital improvement program developed to guide the effective investment of public funds in transportation facilities to help manage congestion, increase regional mobility options, and maintain safe traveling conditions for people and goods. The RTP is updated every five years, has a planning horizon of at least 20 years, and may be amended as a result of changes in projected federal, state, and local funding; major transportation studies; project planning reports, environmental studies, et. al. The MPO’s current RTP, adopted in May 2016, extends through the year 2040.

Figure 3 illustrates the relationship between the RTP and the TIP, as well as the **C**ontinuing, **C**omprehensive, and **C**ooperative (“3-C”) process that the MPO facilitates with multiple parties during the development of the RTP and TIP.

The projects in the FY2020-FY2023 TIP represent a subset of the projects in the 2040 RTP that have been selected for near-term implementation. Before their inclusion in the TIP, projects are evaluated by a screening process that documents their inclusion in the RTP and the availability of local matching dollars, thus increasing the likelihood of completion. Potential TIP projects are then scored using selection criteria that are drawn from the RTP assessment criteria. (Further explanation of the TIP selection process is given in Section 2, Program Development. The scoring criteria can be found in Appendix C.)

Each project in the TIP has a corresponding RTP number which allows for the cross referencing of projects between the TIP and RTP. If a project is included in the existing plus committed list for the RTP, it is shown as “E+C” on the TIP project page.

Figure 4. MPO Plan Development Process



Unified Planning Work Program

The UPWP is a document showing the activities and products that the MPO is conducting over a one to two-year period to carry out federal and state requirements for transportation planning and programming. The intention of the UPWP is to ensure that the ten planning factors referenced in federal transportation legislation are incorporated through the administration of all projects and major work efforts for each year, including MPO staff work and planning studies that will be needed in each fiscal year. Implementation and management of the TIP is included as Task 3 in the FY2020-2021 UPWP and includes amendments and modifications to the TIP, project monitoring, and development of and annual listing of obligated projects.

Public Participation Plan

The PPP is the guiding document for providing information related to outreach, engagement, and citizen input related to planning activities in the region. The PPP describes various strategies, opportunities, and processes to be carried out in the MPO planning area, in accordance with 23 CFR 450.316. The PPP is developed in collaboration with the public and stakeholders, and frames the strategies for public and stakeholder communication and collaboration throughout the planning process. The MPO holds an annual meeting to receive input on the MPO program and present an annual listing of obligated projects. Section 9 of the PPP includes specific guidelines for outreach and engagement for development of a new TIP and amendments to a current TIP.

Statewide Transportation Improvement Program

While the primary purpose of the MPO is to provide coordinated long-term and short-term transportation planning within the Cleveland region, the Tennessee Department of Transportation (TDOT) performs both long and short-term planning across the entire state.

As part of the federal requirements for transportation planning, TDOT develops a 4-year short-term improvement program called the Statewide Transportation Improvement Program (STIP). To develop the STIP, TDOT works directly with the Rural Planning Organizations (RPOs) and MPOs (for urban areas) throughout the state to determine project needs. Projects in the STIP are eligible for the TDOT Three-Year Work Program, which contains components of highway, transit, rail, waterways, and aviation programs and statewide initiatives in support of the state's budget.



For urban areas, TDOT participates in the metropolitan planning process to ensure coordination between state and local partners on the state projects to be included in the MPO's TIP. Each year, TDOT solicits input from the MPO prior to adopting its 3-Year Program of projects. TDOT provides a list of state projects which are ready to proceed to the next phase of development, and asks the MPO to indicate what its priorities would be if sufficient funding were not available to advance all of the projects that are ready. The MPO also submits an early draft version of the TIP to TDOT for review and comment on the projects being proposed by local agencies. Upon adoption, each project contained in the Cleveland Urban Area MPO's TIP will become a part of the larger, statewide STIP.

Transportation Planning Prospectus

The MPO's operating procedures are documented in the Transportation Planning Prospectus. This document includes a brief history of the Cleveland Urban Area MPO, a listing of Executive Board and TCC members, and operating procedures, which includes a proactive public participation program. The Prospectus is revised periodically as needed to reflect any changes in federal or state requirements, and to maintain an effective transportation planning process.

Relationship to Other Documents and Programs

The TIP aligns with and supports several other statewide and regional planning efforts, and coordinates with various state agencies including the Tennessee Department of Transportation, Tennessee Department of Environment and Conservation, the Department of Safety and Homeland Security.

Coordinated Human Services Transportation Plan (CHSTP)

All projects proposed in the TIP are evaluated for their consistency with the Coordinated Human Services Transportation Plan (CHSTP), which focuses on delivery of mobility and public transportation services for individuals with disabilities, older adults, and people with low incomes. The CHSTP was last updated in 2012 and identifies opportunities to maximize existing resources and improve coordination of transportation services provided to certain populations needing special assistance.

Strategic Highway Safety Plan

The 2014 Strategic Highway Safety Plan (SHSP) is Tennessee's comprehensive transportation safety plan. It is based on safety data and was developed through consultation with a broad range of highway safety stakeholders – each with specific areas of expertise and experience. The SHSP guides spending priorities for infrastructure improvements in the state around roadway safety, including utilization of funding sources such as Highway Safety Improvement Program funds. The plan also includes priorities for non-infrastructure spending such as promoting seat belt usage, discouraging distractive driving and reminding motorists not to drink and drive.

Regional ITS Architecture

The MPO works with federal, state, and local agencies to develop a Regional Intelligent Transportation Systems (ITS) Architecture that provides a framework for implementing ITS projects, encourages interoperability and resource sharing among agencies, identifies applicable standards to apply to projects, and allows for cohesive long-range planning among regional stakeholders. ITS projects include traffic control systems, camera systems to monitor traffic flow, traffic operations centers, electronic signage and messaging systems, among others. ITS supports emergency response, law enforcement, freight movement, and the communication of roadway information to the traveling public. The current Regional ITS Architecture for the MPO region was led by TDOT in coordination with the MPO in 2017 and will serve as a guide for implementation of ITS projects in the region.

ADA Transition Plans

All government entities employing more than 50 people are required by Title II of the Americans with Disabilities Act (ADA) to develop an ADA transition plan that identifies physical obstacles in facilities that limit the accessibility of its programs or activities to individuals with disabilities, describes the methods that will be used to make the facilities accessible, and specifies the schedule for taking the steps necessary to achieve compliance. Based on this criteria, both Bradley County and the City of Cleveland are required to develop an ADA Transition Plan, while other MPO member jurisdictions are not required to do so. TDOT most recently updated its ADA Transition Plan in 2019. Information related to ADA transition plans and other requirements in the MPO area may be found in Appendix J.

Alignment with Performance-Based Planning and Programming Requirements

Requirements for a performance-based framework were first introduced into federal legislation with the enactment of the 2012 surface transportation funding authorization bill called Moving Ahead for Progress in the 21st Century (MAP-21). The current bill, Fixing America's Surface Transportation Act (the FAST Act) continues that approach. To implement the new federal requirements, MPOs, state departments of transportation, and public transportation providers continually monitor, report performance, and set targets for several measures established by USDOT that correspond to National Goals described in 23 U.S.C. 150(b).

- ❖ **Safety** - To achieve a significant reduction in traffic fatalities and serious injuries on all public roads.
- ❖ **Infrastructure Condition** - To maintain the highway infrastructure asset system in a state of good repair
- ❖ **Congestion Reduction** - To achieve a significant reduction in congestion on the National Highway System
- ❖ **System Reliability** - To improve the efficiency of the surface transportation system
- ❖ **Freight Movement and Economic Vitality** - To improve the national freight network, strengthen the ability of rural communities to access national and international trade markets, and support regional economic development.
- ❖ **Environmental Sustainability** - To enhance the performance of the transportation system while protecting and enhancing the natural environment.
- ❖ **Reduced Project Delivery Delays** - To reduce project costs, promote jobs and the economy, and expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies' work practices

The performance measures fall under four federal rulemakings:

- ❖ **Safety (PM 1)** – Requires State DOTs and MPOs to assess the performance measures on all public roads covered by the Highway Safety Improvement Program (HSIP).
- ❖ **Infrastructure Condition (PM 2)** – Requires State DOTs and MPOs to assess pavement and bridge condition measures on the National Highway System (NHS) to carry out the National Highway Performance Program (NHPP). Pavement condition is calculated in accordance with the Highway Performance Monitoring System (HPMS) Field Manual and based on three condition ratings of good, fair, and poor. Bridge condition is based on deck area and calculated using National Bridge Inventory (NBI) data with the classification based on NBI ratings for deck, superstructure, substructure, and culvert.
- ❖ **System Reliability/Freight (PM 3)** – Requires State DOTs and MPOs to assess system reliability and freight measures on the National Highway System (NHS) to carry out the National Highway Performance Program (NHPP). Travel time reliability is

defined as a single number describing the predictability of travel times on a roadway. Lower numbers may be interpreted as less predictable travel times, with higher numbers being more favorable for trip planning. Freight movement is assessed using the truck travel time reliability (TTTR) index. PM 3 measures related to congestion reduction are required for MPOs that contain all or part of an area designated as nonattainment or maintenance for ozone, carbon monoxide, or particulate matter. The Cleveland Urban Area MPO is not required to establish targets for measures related to congestion reduction.

- ❖ **Transit Asset Management (TAM)** – Requires transit operators and MPOs to set state of good repair (SOGR) targets by class for rolling stock, equipment, facilities, and infrastructure. Target development was led by the Cleveland Urban Area Transit System (CUATS) for the 2017-2021 period, with the Cleveland MPO Executive Board voting to support these targets.
- ❖ **Public Transportation Agency Safety Plans (PTASP)** – Requires certain transit operators to develop safety plans that include processes and procedures to implement Safety Management Systems (SMS). Plans must include safety performance targets. MPOs are to integrate performance targets and performance plans into their planning documents.

MPOs, state departments of transportation, and transit operators will use these requirements and the progress being made toward the numeric targets to guide the transportation decision-making process. Below are the official measures established by the FHWA and FTA in an effort to better track progress toward National Goals for the surface transportation system.

Figure 5: Federal Rulemakings and Performance Measures

National Goal	Performance Measures
SAFETY (PM 1)	<ul style="list-style-type: none"> • Number of fatalities • Fatality rate per 100 million vehicle-miles traveled • Number of serious injuries • Serious injury rate per 100 million vehicle-miles traveled • Number of non-motorized fatalities and serious injuries
INFRASTRUCTURE CONDITION (PM 2)	<p>PAVEMENT CONDITION</p> <ul style="list-style-type: none"> • Percentage of pavement on the Interstate system in good condition • Percentage of pavement on the Interstate system in poor condition • Percentage of pavement on the non-Interstate NHS in good condition • Percentage of pavement on the non-Interstate NHS in poor condition <p>BRIDGE CONDITION</p> <ul style="list-style-type: none"> • Percentage of NHS bridges classified in good condition • Percentage of NHS bridges classified in poor condition
CONGESTION REDUCTION (PM 3)	<ul style="list-style-type: none"> • Annual hours of peak hour excessive delay per capita • Percent of non-single-occupant vehicle travel • Total emissions reductions

SYSTEM RELIABILITY (PM 3)	<ul style="list-style-type: none"> Percentage of person-miles traveled on the Interstate system that are reliable Percentage of person-miles traveled on the non-Interstate NHS that are reliable
FREIGHT MOVEMENT & ECONOMIC VITALITY (PM 3)	<ul style="list-style-type: none"> Truck Travel Time Reliability Index
National Goal	
Performance Measures	
TRANSIT ASSET MANAGEMENT (TAM)	<ul style="list-style-type: none"> Percentage of vehicles that have met or exceeded their useful life benchmark (ULB) Percentage of revenue vehicles within a particular asset class that have met or exceeded their ULB Percentage of track segments with performance restrictions Percentage of facilities within an asset class rated below 3.0 on the FTA Transit Economic Requirements Model scale.
PUBLIC TRANSPORTATION AGENCY SAFETY PLANS (PTASP)	<ul style="list-style-type: none"> Number of reportable fatalities Fatality rate per total vehicle-revenue miles by mode Number of reportable injuries Injury rate per total vehicle-revenue miles by mode Reportable safety events Rate of safety events per total vehicle-revenue miles by mode Average revenue-miles between major mechanical failures, by mode

MPOs may establish targets for each of these performance measures by either (1) agreeing to plan and program projects so they contribute toward the accomplishment of the overall statewide targets or (2) committing to quantifiable targets specific to the metropolitan planning area.

Cleveland Urban Area MPO Performance Targets

Over the course of the past two years, the MPO's Executive Board has voted to support TDOT and CUATS performance targets for each of the performance measures outlined above. By doing so, the MPO has agreed to plan and program projects in the Regional Transportation Plan (RTP) and TIP that contribute toward meeting these targets. These targets are outlined below. Public Transportation Agency Safety Plan (PTASP) targets must be established by transit operators no later than July 20, 2020, and those performance measures will subsequently be incorporated into this document. Chapter 2 includes a discussion of how the TIP supports achievement of each of the following targets.

Figure 6: MPO-Supported State Performance Targets

Safety Performance Measure (PM 1)	TDOT Baseline (2013-2017)	TDOT Target (2015-2019)
Number of Fatalities	1,001.2	1,022.0
Fatality Rate per 100M VMT	1.332	1.291
Number of Serious Injuries	7,226.0	7,374.6
Serious Injury Rate per 100M VMT	9.622	9.324
Number of Non-Motorized Fatalities and Serious Injuries	469.2	546.8
Infrastructure Condition Performance Measure (PM 2)	TDOT Baseline 2015-2017 (2018 for bridge data)	TDOT Target 4-Year (2022)
Percent of NHS Bridges by Deck Area in Good Condition	39.5%	36.0%
Percent of NHS Bridges by Deck Area in Poor Condition	4.9%	6.0%
Percent Interstate Pavement in Good Condition	75.6%	60.0%
Percent Interstate Pavement in Poor Condition	0.14%	1.0%
Percent Non-Interstate NHS Pavement in Good Condition	44.8%	40.0%
Percent Non-Interstate NHS Pavement in Poor Condition	3.2%	4.0%
System Reliability & Freight Performance Measure (PM 3)	TDOT Baseline (2017)	TDOT Target 4-Year (2022)
Interstate Reliability	87.7%	83.0%
Non-Interstate NHS Reliability	89.7%	87.75%
Freight Reliability	1.35	1.33

Figure 7: MPO-Supported Transit Asset Management Targets

Asset Category	Asset Type	# of Assets	Asset Age (Years)	Default ULB (Years)	FY 17-18 % Exceeding ULB	FY 18-19 Target	FY 19-20 Target	FY 20-21 Target
Rolling Stock	Cutaway Bus-2011 Model	3	7	10	0%	0%	0%	0% **
	Cutaway Bus-2014 Model	3	5	10				
	Cutaway Bus-2016 Model	5	3	10				
	Cutaway Bus-2017 Model	11	1	10				
Asset Category	Asset Type	# of Assets	Asset Age (Years)	Condition rating (TERM scale)	FY 17-18 TERM scale	FY 18-19 Target	FY 19-20 Target	FY 20-21 Target
Facility	Cleveland Depot Building	1	6	3.0	3.0	3.0	3.0	3.0

* Useful Life Benchmark (ULB)

** Assumes replacement of 2011 models

*** TERM (Transit Economic Requirements Model)

2

PROGRAM DEVELOPMENT

Overview

The FY2020-FY2023 TIP is a programming document that details a 4-year budget of transportation projects. The TIP provides the opportunity to select projects from the long range transportation plan that are most suitable to the region's current or short-term needs. It lists regionally significant and federally funded projects and services in the MPO planning area for highways, pedestrian and bicycle facilities, and transit. Various agencies represented on the TCC and the Executive Board work through a cooperative process that includes solicitation of projects and programs from MPO members as well as public participation to create the TIP document.

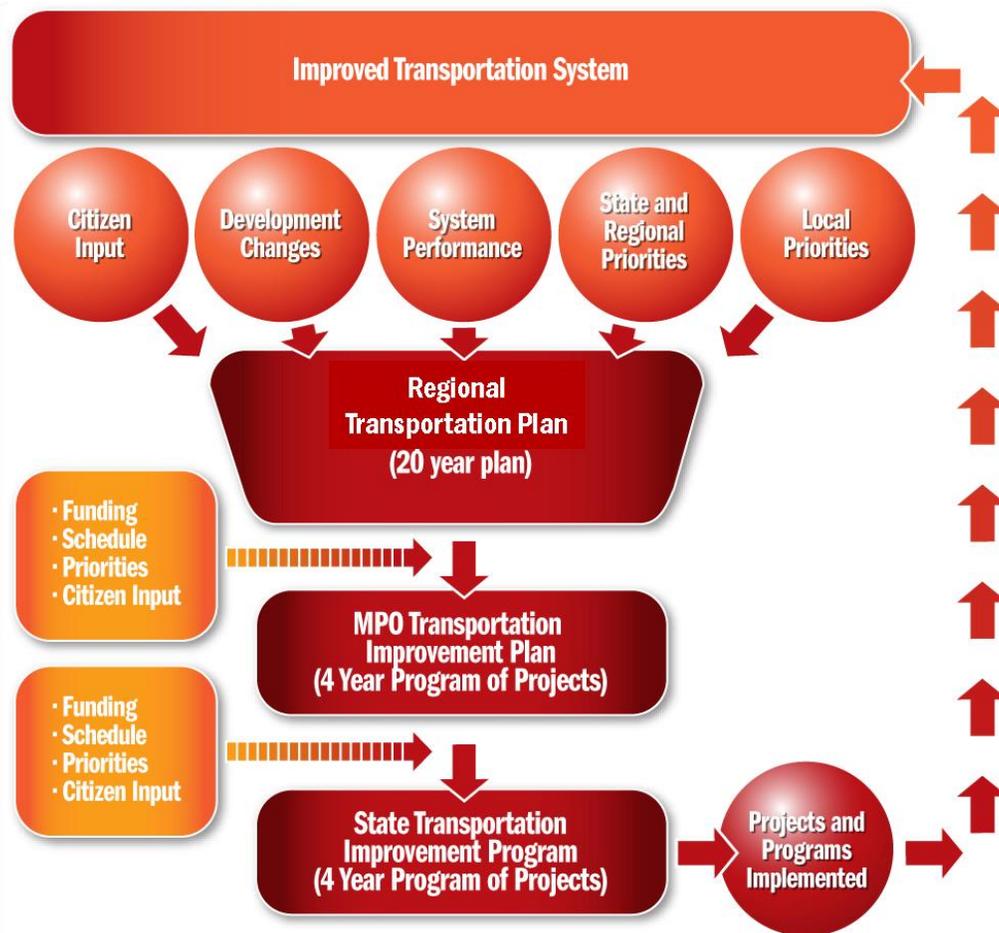
The TIP must include all projects that are funded wholly or in part with federal funds authorized under the FAST Act. Projects that do not use federal funds, but are considered regionally significant, are also included in the TIP. Projects must be specifically included, or be consistent with, the Regional Transportation Plan. If projects or services involve the use of Intelligent Transportation Systems (ITS), they must be consistent with the region's ITS Architecture. Projects in the FY2020-FY2023 TIP that are known to include one or more ITS elements are identified on the individual project description sheets. Projects selected for this TIP are also consistent with the state's Strategic Highway Safety Plan and local transit safety and security plans. Although many projects will provide opportunities to improve safety, those that are being undertaken specifically to address safety concerns are identified on the individual project description sheets.

Federally-funded projects under Title 23 (highways) or 49 U.S.C. 53 (transit) must be selected from an approved TIP by TDOT and/or the Cleveland Urban Area Transit System (CUATS) or Southeast Tennessee Human Resources Agency (SETHRA) in coordination with the MPO. Generally speaking, the MPO is permitted to update or amend the TIP as needed to reflect changes in project scope, priority, funding, and/or schedule. The process by which these changes are made is outlined in Appendix F.

Fiscal Year 2020 is considered an "agreed to" list of projects that requires no further MPO action for the implementing agency to proceed with projects unless the urbanized area receives significantly less federal funds than expected, or where there is significant shifting of projects between years. In this case, the MPO, State or CUATS/SETHRA may request that a revised "agreed to" list of projects be jointly developed by those agencies.

Figure 8 provides an illustration of the relation of the TIP to the overall planning process within the MPO area. While the MPO is responsible for the programming of transportation improvements, the implementation of projects (e.g. construction or service operation) is carried out either by the cities, counties, CUATS/SETHRA or TDOT.

Figure 8. Transportation Improvement Program Development Process



“4-C” Approach to Project Programming

The development of the TIP includes consultation with state and local agencies responsible for natural resources, land use management, environmental protection, conservation, and historic preservation. The MPO conducts project programming using a “4-C” approach to ensure all local, regional and state agencies are involved in the programming process. This is distinct, but related to the 3-C planning process described on page 8. Each of the 4 Cs has a legally defined meaning:

1. **C**onsideration
2. **C**onsultation
3. **C**ooperation
4. **C**oordination

Consideration means that one or more parties takes into account the opinions, action, and relevant information from other parties in making a decision or determining a course of action. (23 CFR § 450.104)

Consultation means that one or more parties confer with other identified parties in accordance with an established process and, prior to taking action(s), considers the views of the other parties and periodically informs them about actions(s) taken. (23 CFR § 450.104)

Cooperation means that the parties involved in carrying out the transportation planning processes work together to achieve a common goal or objective. (23 CFR § 450.104)

Coordination means the cooperative development of plans, programs, and schedules among agencies and entities with legal standing and adjustment of such plans, programs, and schedules to achieve general consistency, as appropriate. (23 CFR § 450.104)

Public Participation

Public participation is a critical element in the development of plans and programs by the MPO. The FY2020-2023 TIP document has been developed in accordance with the requirements of the MPO's adopted Public Participation Plan. The Public Participation Plan provides citizens and interested parties the opportunity to review and comment on the draft TIP, or any proposed amendments to the TIP, prior to adoption by the MPO Executive Board. A minimum 21-day comment period is provided for the public to review the draft TIP and provide comments concerning the development of the TIP and the intent to fund specific projects.

Copies of the draft TIP are made available at the Cleveland Public Library, Charleston City Hall, the Cleveland/Bradley County Chamber of Commerce, the MPO offices in the City of Cleveland's Department of Development and Engineering Services, and on the MPO's website. Advertisements are placed in local newspapers and press releases are sent to local media to notify the public that copies of the draft TIP are available for comment.

At least one public hearing is held by the Executive Board to receive comments on the draft TIP. All public comments are considered and addressed prior to final adoption by the MPO Executive Board. Should the Executive Board determine that there are significant unresolved public comments that require changes to the draft TIP, the public is given another 15-day review period to comment on the revised draft.

The MPO is also required to publish an annual listing of projects for which federal funds were obligated in the preceding program year. This listing is published in accordance with the MPO's Public Participation Plan requirements.

A summary of meeting dates, locations, and disposition of public comments can be found in Appendix D.

Public Participation and Interagency Coordination for Selection of TIP Projects

The MPO coordinates with various partners as part of the development of and selection of projects for the TIP. These partners include TDOT, member jurisdictions, the Southeast RPO, The Chattanooga-Hamilton County/North Georgia Transportation Planning Organization (Chattanooga TPO), and CUATS.

Proposals for new projects were solicited from the public at the MPO's Annual Meeting and from the TCC member agencies. MPO staff then prepared a summary of the input received. A draft list of proposed projects for the FY2020-2023 TIP was discussed and prioritized at meetings of the TCC and Executive Board. Several projects from the FY2017-2020 TIP that are still under development have been incorporated into the new FY2020-2023 TIP.

The MPO posted copies of the draft FY2020-2023 TIP on its website and at the locations specified in its adopted Public Participation Plan. The draft TIP was also sent to the agencies responsible for natural resources, land use management, environmental protection, conservation and historic preservation in the Cleveland Urban Area, with a request for those agencies' comments. Comments from the agencies, stakeholders and citizens are summarized in Appendix D, along with the disposition of comments and other details of the participation process.

Specific guidelines related to public participation and partner coordination are outlined in the MPO's Public Participation Plan (PPP). Both TDOT and SETHRA sit on the MPO Executive Board and TCC.

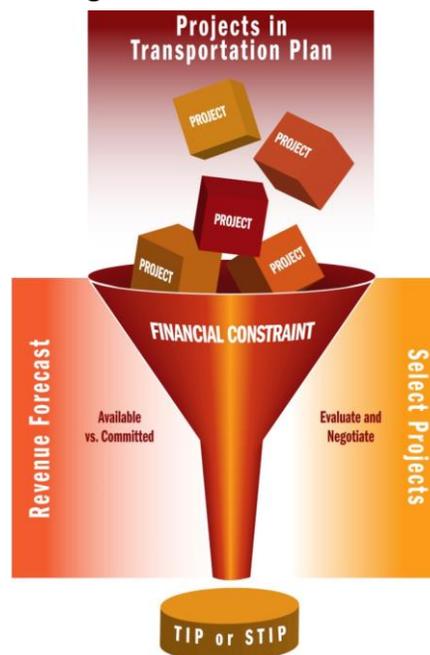
TIP Project Selection

Selection of projects from the RTP for programming in the TIP is based on an evaluation system that takes into account the same federal planning factors used in the development of the RTP (see Appendix G) and expands on those factors to consider specific needs of the MPO area.

As shown in Appendix C, the evaluation criteria for TIP projects include specific questions to help determine and document the extent to which a proposed project contributes to federal and regional transportation goals. Both capital and non-capital projects are subject to the same screening and evaluation criteria. Projects are screened for eligibility based on their inclusion and consistency with the RTP, description, and local match identification. Following these eligibility considerations, project submissions are screened for completeness and then reviewed based on established evaluation criteria that incorporate the project's ability to help achieve planning goals established through federal law and the RTP.

As discussed later in Section 3, Financial Plan, a project or project phase may be selected for inclusion in the TIP only if full funding for it is anticipated to be available within the timeframe contemplated for completion. Fiscal constraint is demonstrated by estimating future revenues, based primarily on funding mechanisms that are currently in place, and indicating that estimated project costs for each fiscal year do not exceed the available funding for that fiscal year.

Figure 9. Fiscal Constraint



Environmental Justice

Executive Order (EO) 12898 clarified the need to involve minority and low-income populations in transportation decision-making processes and the need to assess the equity of transportation investments, ensuring these groups may benefit equitably from the transportation system without shouldering a disproportionate share of its burdens.

The projects in the FY2020-FY2023 TIP come from the Regional Transportation Plan, which included an analysis of all projects to determine the potential impacts and equitable distribution of investments across the MPO planning area. In addition, the TIP project selection criteria used by the MPO explicitly considers whether each project improves access to areas of low-income and/or minority population.

Performance-Based Planning and Programming Implementation

As required, the TIP must describe how its implementation will help meet performance targets supported by the MPO and outlined in the previous chapter. The TIP represents the decisions made by MPO members (including TDOT and CUATS) about how to spend federal, state and local transportation funds available to the region during federal FY 2020 through FY 2023. An overview of how each federal rulemaking and corresponding set of performance measures targets is supported by implementation of the TIP is included below.

- **Safety (PM 1)** – Projects in the TIP have been selected from the RTP, which proposes more than \$22 million in safety related projects over the next 20 to 25 years. Specific safety-related investments in this TIP include reconstruction of Michigan Avenue Road from Minnis Road to 20th Street, and improvements to the intersection of Michigan Avenue Road and 20th Street. Studies have shown an above-average crash rate in this area. The project is intended to address issues of sight distance and alignment, as well as to improve narrow shoulders. Other safety-related investments include the widening of Adkisson Drive from 2 to 3 lanes from Norman Chapel Road to Paul Huff Parkway. The proposed center turn lane to be added is intended to reduce the frequency of crashes involving turning vehicles. Sidewalks are also proposed to be added as part of this project, improving pedestrian safety in the area of Cleveland State Community College and nearby neighborhoods, and for users of the bus route that runs along this busy road.

The TIP also includes other funds for projects and activities that are not explicitly safety-related, but will have safety benefits for users of the Cleveland region's transportation system. These include funding for transit operations and capital purchases. Preventive maintenance on buses helps keep vehicles in safe operating condition for transit riders, as does constructing transit shelters and replacing transit vehicles when they have reached the end of their useful life.

- **Infrastructure Condition (PM 2)** – The TIP includes approximately \$1.1 million in National Highway Performance Program (NHPP) funds and \$350,000 in state-managed Surface Transportation Block Grant (STBG) funds that may be used for resurfacing, rehabilitation, intelligent transportation systems (ITS), and other maintenance related activities. Specific projects include the resurfacing of a section of Paul Huff Parkway, a major local interstate connector and arterial street

that provides access to major commercial centers for the region. As noted above, transit funds spent on preventive maintenance and bus replacement are also contributing to the MPO's goals of keeping transportation infrastructure and equipment in a state of good repair.

- **System Reliability/Freight (PM 3)** – This TIP programs funding for several projects intended to improve travel time reliability for both cars and trucks. Eligible projects include signalization, intersection and interchange modifications, ITS, and railroad crossing improvements, to name a few. Two sections of SR 60 (Georgetown Road) are being widened to provide additional capacity through the addition of new thru-lanes, passing lanes, and shoulders. Ramps at the I-75/SR 308 interchange are being extended to provide better traffic operations in that busy industrial and warehousing area, and work is scheduled to begin on projects to add new thru-lanes to I-75 between Exit 20 and the Hamilton County line, as well as to N. Lee Highway (SR 2, US 11) between Cleveland and Charleston. Traffic signal upgrades along Paul Huff Parkway are also programmed for funding.
- **Transit Asset Management (TAM)** – The TIP includes more than \$1.9 million to be used for transit capital projects. This includes funds to replace CUATS vehicles as needed and to make repairs to the agency's administrative and maintenance facility. The TIP also includes more than \$5 million to be spent on operating and maintenance costs. While much of this funding will be spent on operating costs such as driver labor and fuel costs, a significant portion will also be spent on preventive maintenance for the fleet and other CUATS system assets.

Next Scheduled Update

This document reflects federal fiscal years 2020 through 2023, which runs from October 1, 2019 to September 30, 2023. Under current federal law, the MPO's TIP must be updated at least once every four years. The FY2020-FY2023 TIP will therefore be replaced by the FY2023-FY2026 TIP during FY2023.

3

FINANCIAL PLAN

Overview

The FAST Act requires the TIP to have a financial plan that demonstrates fiscal constraint and clearly defines how the program of projects can be implemented. Fiscal constraint means that sufficient funds will be “reasonably available” to implement proposed improvements, as well as to operate and maintain the entire system. It is demonstrated by comparing estimated costs with available financial resources. Smaller MPOs may sometimes need to build a reserve of available funds in order to implement higher cost projects. Large scale projects may cost more money than is typically available in any given year, resulting in the designation of “reserve funds” to help pay for these projects.

The FAST Act identifies a number of different funding programs which can be used for various modes, such as highway, transit, pedestrian and bicycle facilities. A description of each funding source is included in Appendix B of this document.

The total amount of money available in each funding category, and the total amount programmed for the projects selected in this TIP, are shown in Appendix A, the financial summary tables. Specifically, the tables show available funds, programmed funds, and remaining funds (if any) by funding source for each fiscal year. The tables show that programmed expenditures are within the balance of expected fund allocations and therefore demonstrate the fiscal constraint of the FY2020-2023 TIP.

Funding Sources

The primary funding sources to implement the FY2020-2023 TIP include, but are not limited to, the following:

Roadway	Transit
National Highway Performance Program (NHPP)	FTA Section 5307 Program (operating and capital)
Surface Transportation Block Grant – State (S-STBG)	FTA Section 5339 Program (capital)
Surface Transportation Block Grant – Urban (U-STBG)	FTA Section 5310
Highway Safety Improvement Program (HSIP)	State Gas Tax revenue (STA)
Transportation Alternatives Program (TAP)	Local funds
State Gas Tax revenue (STA)	
Local funds	

The revenue estimates for FY2020-2023 were developed on the basis of current and recent trends. It is assumed that the MPO will continue to receive an annual allocation of urban STBG funds for FY2020, FY2021, FY2022, and FY2023. Funding is available through FY2020 with

the FAST Act. Based on recent history, it is reasonable to assume that funding will be provided through a continuing resolution following the expiration of the FAST Act and prior to the passing of a new federal transportation bill. As a result, funding is assumed to hold steady for FY2020, then increase annually by one percent for fiscal years 2021, 2022 and 2023. These assumptions are based on a FY 2019 apportionment of \$947,335. It is also assumed that adopted local budgets will maintain the necessary level of transportation funding to match the federal funds available. In consultation with CUATS, the current CUATS budget for capital and operations (FY2019) was used as a basis for revenue projections for transit, with assumed annual increases that mirror the percent increases described above for U-STBG funds. TDOT has reviewed and concurred with the estimates for federal and state funds as indicated in this TIP.

Local Funding Match

Most federal grants require a non-federal match, often 20 percent of total project cost, to be programmed to projects. Local jurisdictions and agencies with projects in the TIP have committed the necessary matching funds to ensure the completion of each project. In addition, these agencies have determined that funding is available for the maintenance of all existing transportation systems as discussed in the next section. If an agency has already obligated all of its available federal transit funds, Urban Operating Assistance Program (UROP) funds are made available by TDOT to help cover the non-federal match for FTA 5307 program funds.

Operations and Maintenance

In addition to capacity and expansion of the transportation network, the MPO and its members must also ensure the maintenance and efficient operation of the existing transportation infrastructure. Maintenance activities are those that occur primarily in reaction to situations that have an immediate or imminent adverse impact on the safety or availability of transportation facilities, such as pavement resurfacing and markings, bridge repair, guardrail and sign replacement and traffic signal maintenance. Operations may include more routine items such as road striping and right of way maintenance. Projects focusing primarily on operations and maintenance are included in the TIP, in an effort to ensure the adequate operation of federal-aid highways and public transportation systems.

In addition to projects included in this TIP, MPO members expend over \$9 million a year to operate and maintain the transportation system in the region:



Bradley County expends approximately \$4 million annually to operate and maintain existing roadways. Annual funds in the form of state-shared revenue sources and property taxes provide funding for Bradley County's O&M expenditures.



The City of Cleveland expends approximately \$4.4 million annually on operations and maintenance of the existing road network. State-shared revenue sources, sales tax and property taxes provide funding for the City of Cleveland's O&M expenditures.



The Cleveland Urban Area Transit System (CUATS), operated by SETHRA, provides fixed route and paratransit service in the urbanized area. Funds for transit operations and maintenance are provided through several sources. The transit system receives FTA Section 5307 funds for operating assistance through TDOT, and local funds are contributed by Cleveland and Bradley County. CUATS expends approximately \$990,000 annually on operations and maintenance of the existing transit system.

Advance Construction

Advance Construction (AC) is a technique which allows a State to initiate a project using non-federal funds while preserving eligibility for future Federal-Aid funds. Eligibility means that FHWA has determined that the project technically qualifies for Federal-Aid; however, no present or future Federal funds are committed to the project. After an AC project is authorized, the state may convert the project to regular Federal-Aid funding provided Federal funds are made available for the project. An AC project must meet the same requirements and be processed in the same manner as a regular Federal-Aid project. All phases of a project must meet federal requirements for the National Environmental Policy Act (NEPA), Uniform Relocation Assistance and Real Property Acquisition Policies Act (Uniform Act), etc., when any phase is implemented with Federal-Aid funds.

Projects funded with advance construction are identified in their respective project pages under **Project Remarks**, and comply with federal regulations outlined in 23 U.S.C 115.

4

DETAILED TIP PROJECT INFORMATION

The following pages provide details for each project to be programmed in this TIP:

- Maps to ensure that citizens and stakeholders have a clear understanding of the location where the proposed improvements or services will occur. Several projects and programs will be implemented throughout the Cleveland urbanized area, as indicated by a countywide map.
- Type of improvement or service;
- Beginning and ending termini, where applicable;
- Length, where applicable
- Agency responsible for implementation
- Estimated total cost (project cost estimates were inflated by 3.6% annually to adjust for the programmed year of expenditure); and
- Amount of federal and non-federal funds to be obligated in each fiscal year.

Project estimates were developed in current dollars (2019) and inflated by 3.6 percent annually, based on local and national trends in construction costs, to account for year of expenditure (YOE). This percentage was based on local and national trends in construction costs and developed in coordination with TDOT and member jurisdictions. The purpose is to help anticipate inflation, so that rising costs do not prevent a project from being completed.

A graphic illustration showing how to read a TIP project sheet is on the following page.

The funding source(s) and amounts assigned to each project were determined based on information shown in Appendix B about eligible activities and required matching ratios for various federal and non-federal programs.

Groupings

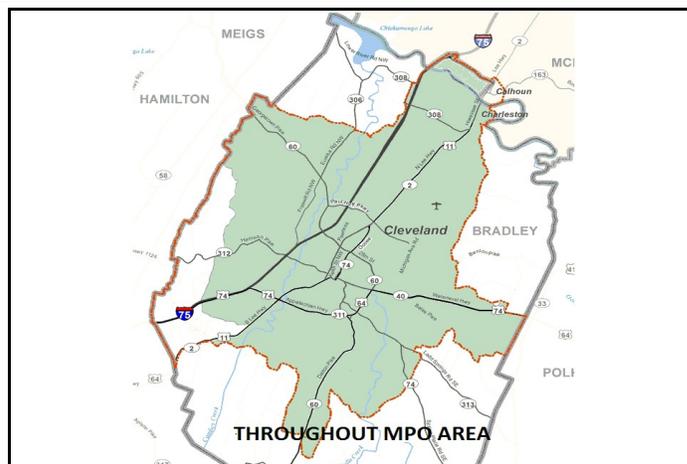
Federal transportation planning regulations permit certain types of projects to be listed in a grouping, instead of individually. These are projects whose scale is small enough not to warrant individual identification and have a neutral environmental impact.

There are three groupings in the Cleveland Urban Area MPO's FY2020-2023 TIP – two programmed by TDOT and one by the MPO member agencies. Each grouping has its own project sheet that summarizes the range of project activities that may take place. Appendix I provides additional details on the allowable work types under each funding program.

FY2020-2023 Transportation Improvement Program

Project Name	Cleveland MPO - Safety - Urban Grouping	Sponsoring Agency	TDOT
TIP Number	06095	TDOT PIN	126752.00
	Project Length (miles)		Total Project Cost
			\$101,000
Revision #	1	Amended	
	Adjusted		
	Previous TIP #		STIP #
Jurisdiction:	TDOT	L RTP #	Table 5-9
Route			
Termini/Intersecting Road	MPO Area		
Project Description	Any strategy, activity or project on a public road that is consistent with the State Strategic Highway Safety Plan (SHSP) and corrects or improves a hazardous road location or feature or addresses a highway safety problem. Including workforce development, training and education activities, alignment, intersection interchange improvements, signalization, guardrail, lighting, marking, railroad crossings, railroad crossing pads, bells, lights, gates, pavement markings, bridge and tunnel inventory and inspections on all public roads, etc. For additional detail see Appendix I.		
Project Notes			

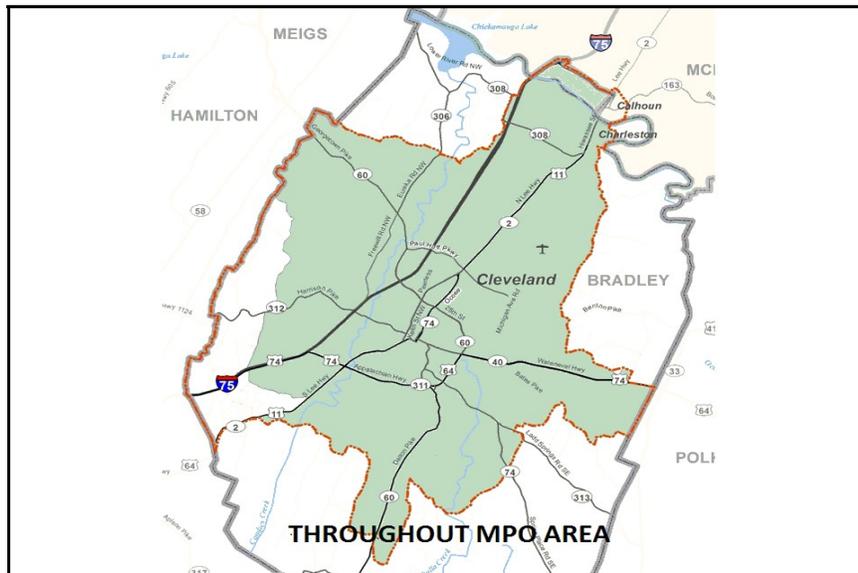
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	CONST	HSIP-R	\$383	\$43	\$0	\$425
2020	CONST	HSIP	\$33,750	\$3,750	\$0	\$37,500
2020	CONST	PHSIP	\$0	\$0	\$0	\$0
2021	CONST	HSIP-R	\$315	\$35	\$0	\$350
2021	CONST	HSIP	\$28,125	\$3,125	\$0	\$31,250
2021	CONST	PHSIP	\$0	\$0	\$0	\$0
2022	CONST	HSIP-R	\$135	\$15	\$0	\$150
2022	CONST	HSIP	\$16,875	\$1,875	\$0	\$18,750
2022	CONST	PHSIP	\$0	\$0	\$0	\$0
2023	CONST	HSIP-R	\$68	\$8	\$0	\$75
2023	CONST	HSIP	\$11,250	\$1,250	\$0	\$12,500
2023	CONST	PHSIP	\$0	\$0	\$0	\$0
Total Funding by Type			\$90,900	\$10,100	\$0	\$101,000



FY2020-2023 Transportation Improvement Program

Project Name	National Highway System Preservation and Operation			Sponsoring Agency	TDOT		
TIP Number	06110	TDOT PIN	126753.00	Project Length (miles)		Total Project Cost	\$1,100,000
Revision #	1	Amended		Adjusted		Previous TIP #	
						STIP #	
Jurisdiction:	TDOT			L RTP #	Table 5-9		
Route							
Termini/Intersecting Road	MPO Area						
Project Description	Resurfacing, guardrail, slide repair, signs, signals, marking, intersection / interchange modifications, sight distance modifications, noise walls, wetland and or stream mitigation, safety improvements, bridge replacement, repair, rehabilitation, preservation, rockfall mitigation, sidewalks, traffic calming, pedestrian and or bicycle facilities, ITS operations, maintenance, power, communications, construction, operate the TN 511 system, freeway service patrols, traffic diversion, non-infrastructure, school and other flashing signals, bridge and tunnel inspection, rail-highway grade crossing improvements, enhancement activities, etc. For additional detail see Appendix I.						
Project Notes							

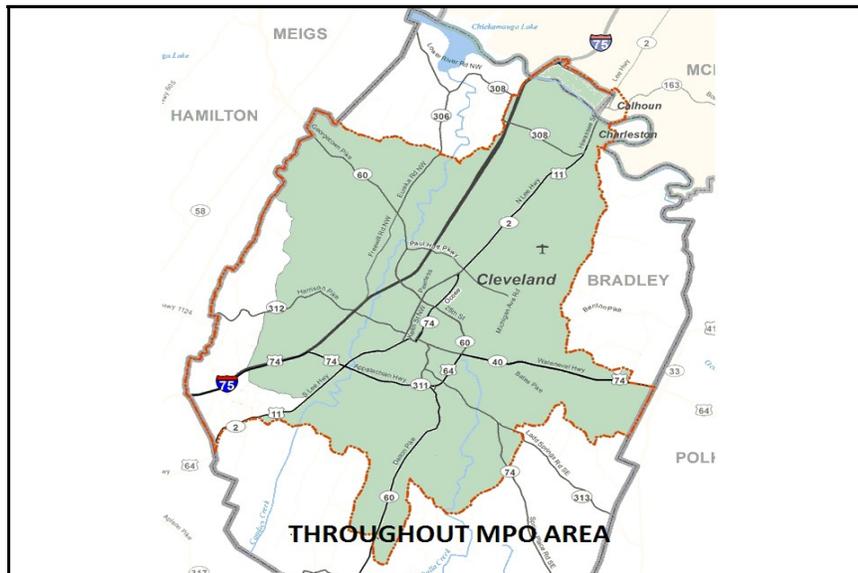
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE, ROW, CONS	NHPP	\$308,000	\$77,000	\$0	\$385,000
2021	PE, ROW, CONS	NHPP	\$264,000	\$66,000	\$0	\$330,000
2022	PE, ROW, CONS	NHPP	\$176,000	\$44,000	\$0	\$220,000
2023	PE, ROW, CONS	NHPP	\$132,000	\$33,000	\$0	\$165,000
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$880,000	\$220,000	\$0	\$1,100,000



FY2020-2023 Transportation Improvement Program

Project Name	Surface Transportation System Preservation and Operation			Sponsoring Agency	TDOT		
TIP Number	06111	TDOT PIN	126754.00	Project Length (miles)		Total Project Cost	\$350,000
Revision #	1	Amended		Adjusted		Previous TIP #	
						STIP #	
Jurisdiction:	TDOT			L RTP #	Table 5-9		
Route							
Termini/Intersecting Road	MPO Area						
Project Description	Resurfacing, guardrail, slide repair, signs, signals, marking, intersection / interchange modifications, sight distance modifications, noise walls, wetland and or stream mitigation, safety improvements, bridge replacement, repair, rehabilitation, preservation, rockfall mitigation, sidewalks, traffic calming, pedestrian and or bicycle facilities, ITS operations, maintenance, power, communications, construction, operate the TN 511 system, freeway service patrols, traffic diversion, non-infrastructure, school and other flashing signals, bridge and tunnel inspection, rail-highway grade crossing improvements, enhancement activities, etc. For additional detail see Appendix I.						
Project Notes							

Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE, ROW, CONS	S-STBG	\$98,000	\$24,500	\$0	\$122,500
2021	PE, ROW, CONS	S-STBG	\$84,000	\$21,000	\$0	\$105,000
2022	PE, ROW, CONS	S-STBG	\$56,000	\$14,000	\$0	\$70,000
2023	PE, ROW, CONS	S-STBG	\$42,000	\$10,500	\$0	\$52,500
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$280,000	\$70,000	\$0	\$350,000



FY2020-2023 Transportation Improvement Program

Project Name	20th Street & Michigan Avenue Rd improvements		Sponsoring Agency	City of Cleveland	
TIP Number	2013-01	TDOT PIN		Project Length (miles)	0.2
				Total Project Cost	\$1,202,092
Revision #	3	Amended		Adjusted	
				Previous TIP #	2010-03, 2010-04
				STIP #	
Jurisdiction:	City of Cleveland		L RTP #	94, 108	
Route	20th St./Michigan Avenue Road				
Termini/Intersecting Road	Minnis Road to 20th Street				
Project Description	Reconstruct Michigan Avenue Road from Minnis Road to 20th Street and improve intersection with 20th Street. Includes primarily safety improvements and coordination with TDOT bridge replacement on 20th over Little Chattata Creek.				
Project Notes					

Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-N, PE-D	U-STBG	\$115,401	\$0	\$28,850	\$144,251
2021	ROW	U-STBG	\$21,466	\$0	\$5,366	\$26,832
2022	CONST	U-STBG	\$824,807	\$0	\$206,202	\$1,031,008
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$961,673	\$0	\$240,418	\$1,202,092



FY2020-2023 Transportation Improvement Program

Project Name	Adkisson Drive widening and roundabout	Sponsoring Agency	City of Cleveland
TIP Number	2013-05	TDOT PIN	128789.00
		Project Length (miles)	1.32
		Total Project Cost	\$5,302,609
Revision #	1	Amended	
		Adjusted	
		Previous TIP #	
		STIP #	
Jurisdiction:	City of Cleveland	L RTP #	E+C
Route	Adkisson Drive		
Termini/Intersecting Road	Near Norman Chapel Rd. to Paul Huff Pkwy		
Project Description	The project is to widen Adkisson Drive from 2 to 3 lanes, with sidewalks, drainage improvements, landscaping, safety improvements, and a roundabout at the intersection of Adkisson Drive & Norman Chapel Road.		
Project Notes			

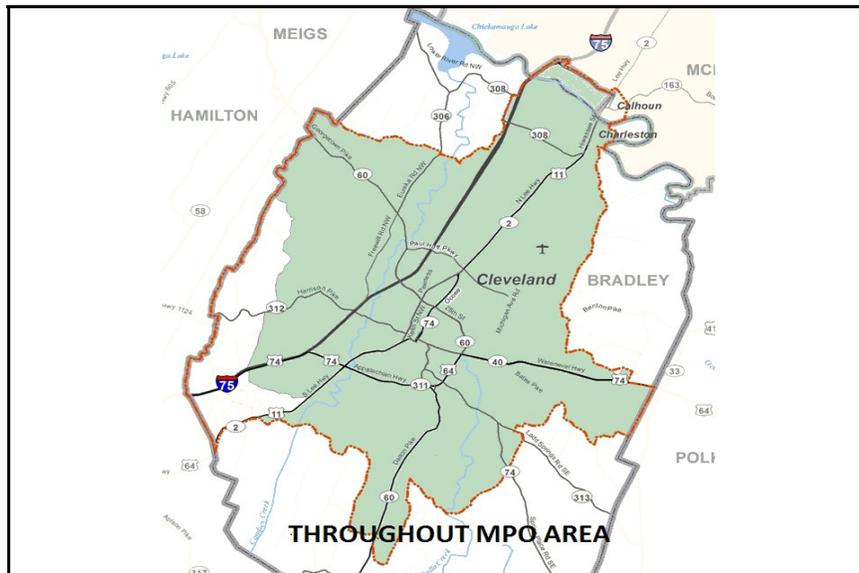
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-N	U-STBG	\$56,000	\$0	\$14,000	\$70,000
2021	PE-D	U-STBG	\$348,096	\$0	\$87,024	\$435,120
2022	Right of Way	U-STBG	\$128,796	\$0	\$32,199	\$160,994
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$532,892	\$0	\$133,223	\$666,114



FY2020-2023 Transportation Improvement Program

Project Name	Urban STBG Grouping	Sponsoring Agency	Various		
TIP Number	2017-01	TDOT PIN		Project Length (miles)	
				Total Project Cost	\$6,392,717
Revision #	2	Amended		Adjusted	
		Previous TIP #	2010-02	STIP #	
Jurisdiction:	MPO		L RTP #	Table 5-9	
Route					
Termini/Intersecting Road	MPO Area				
Project Description	<p>3-R improvements to streets included on the functional classification street network. Includes resurfacing, guardrail, slide repair, signs, signals, marking, intersection / interchange modifications, sight distance modifications, noise walls, wetland and or stream mitigation, safety improvements, bridge replacement, repair, rehabilitation, preservation, sidewalks, traffic calming, pedestrian and or bicycle facilities, ITS operations, maintenance, power, communications, construction, traffic diversion, non-infrastructure, school and other flashing signals, rail-highway grade crossing improvements, enhancement activities, etc. For additional details see Appendix H.</p>				
Project Notes					

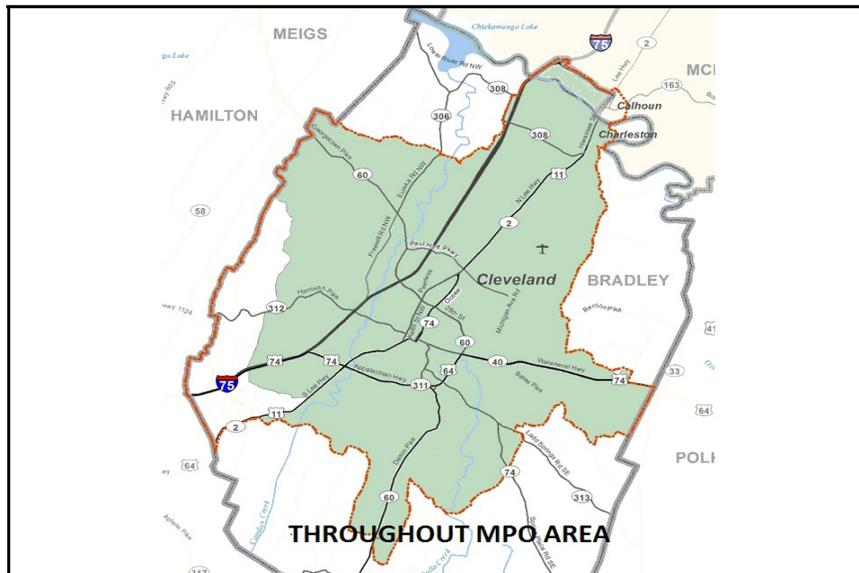
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE, ROW, CONS	U-STBG	\$2,818,959	\$0	\$704,740	\$3,523,699
2021	PE, ROW, CONS	U-STBG	\$2,295,214	\$0	\$573,804	\$2,869,018
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$5,114,173	\$0	\$1,278,543	\$6,392,717



FY2020-2023 Transportation Improvement Program

Project Name	Transit Operations	Sponsoring Agency	CUATS		
TIP Number	2017-02	TDOT PIN		Project Length (miles)	
				Total Project Cost	\$3,964,664
Revision #	4	Amended		Adjusted	
		Previous TIP #	2006-008		
		STIP #			
Jurisdiction:	CUATS		L RTP #	Table 5-11	
Route					
Termini/Intersecting Road	MPO Area				
Project Description	Operating Funds for the Cleveland Urbanized Area Transit System				
Project Notes	Funding shown in the State column is Urban Operating Program (UROP) funds. TDOT does not provide state match for federal transit operations funding, but agencies may use UROP as match.				

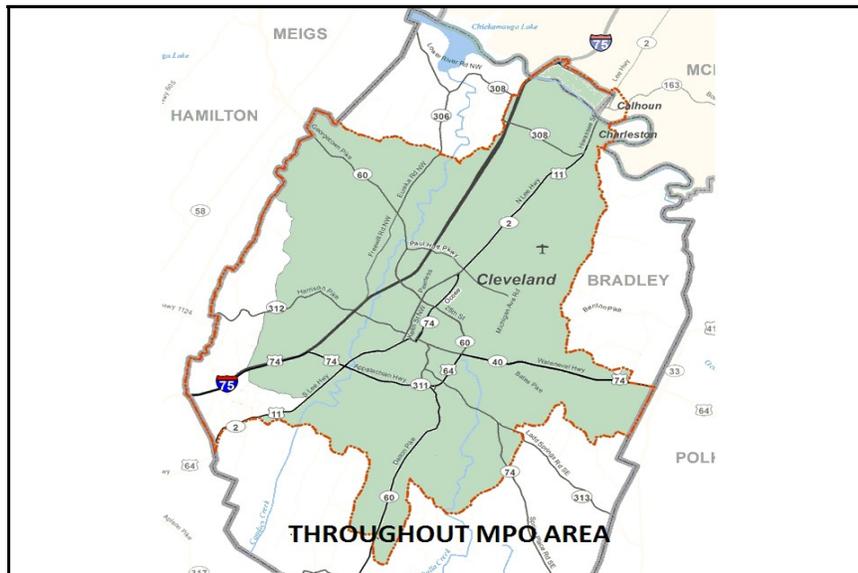
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	Operating	5307	\$487,926	\$243,963	\$243,963	\$975,852
2021	Operating	5307	\$455,342	\$227,671	\$227,671	\$910,684
2022	Operating	5307	\$519,532	\$259,766	\$259,766	\$1,039,064
2023	Operating	5307	\$519,532	\$259,766	\$259,766	\$1,039,064
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$1,982,332	\$991,166	\$991,166	\$3,964,664



FY2020-2023 Transportation Improvement Program

Project Name	Transit Capital Purchases	Sponsoring Agency	CUATS	
TIP Number	2017-03	TDOT PIN		Project Length (miles)
Revision #	3	Amended		Adjusted
Jurisdiction:	CUATS		L RTP #	Table 5-10
Route				
Termini/Intersecting Road	MPO Area			
Project Description	Capital Purchases for the Cleveland Urbanized Area fixed-route transit system			
Project Notes				

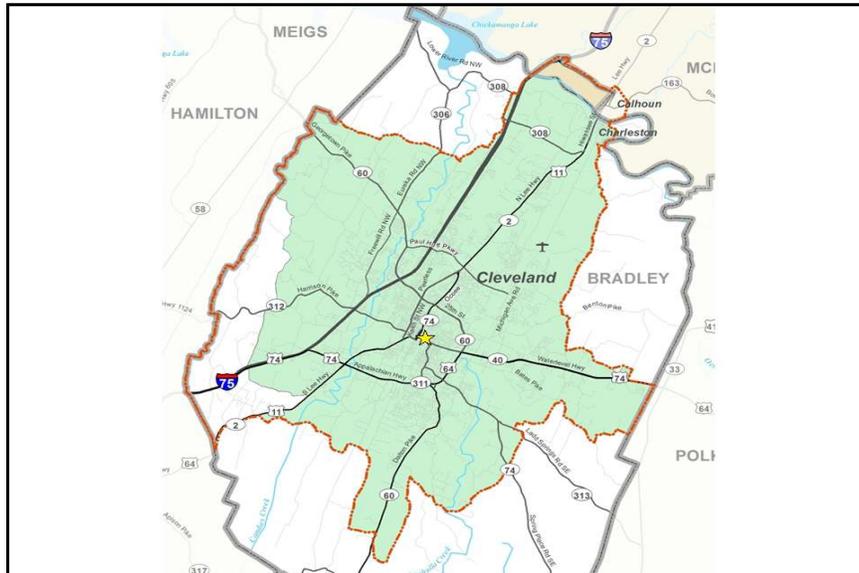
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	Purchase	5310	\$172,000	\$21,500	\$21,500	\$215,000
2020	Purchase	5339	\$89,227	\$11,153	\$11,153	\$111,534
2020	Purchase	5307	\$250,000	\$31,250	\$31,250	\$312,500
2021	Purchase	5339	\$89,227	\$11,153	\$11,153	\$111,534
2021	Purchase	5307	\$250,000	\$31,250	\$31,250	\$312,500
2022	Purchase	5339	\$89,227	\$11,153	\$11,153	\$111,534
2022	Purchase	5307	\$250,000	\$31,250	\$31,250	\$312,500
2023	Purchase	5339	\$89,227	\$11,153	\$11,153	\$111,534
Total Funding by Type			\$1,278,908	\$159,864	\$159,864	\$1,598,635



FY2020-2023 Transportation Improvement Program

Project Name	Cleveland-Chattanooga Commute Hub	Sponsoring Agency	City of Cleveland	
TIP Number	2017-06	TDOT PIN	125584.00	
		Project Length (miles)		
		Total Project Cost	\$1,152,500	
Revision #	1	Amended		
		Adjusted		
		Previous TIP #		
		STIP #		
Jurisdiction:	City of Cleveland		L RTP #	Table 5-9
Route				
Termini/Intersecting Road	Church Street and 3rd Street SE			
Project Description	Construct downtown park and ride lot at southeast corner of Church St and 3rd St SE. Space also provided for CUATS vehicle storage and maintenance.			
Project Notes				

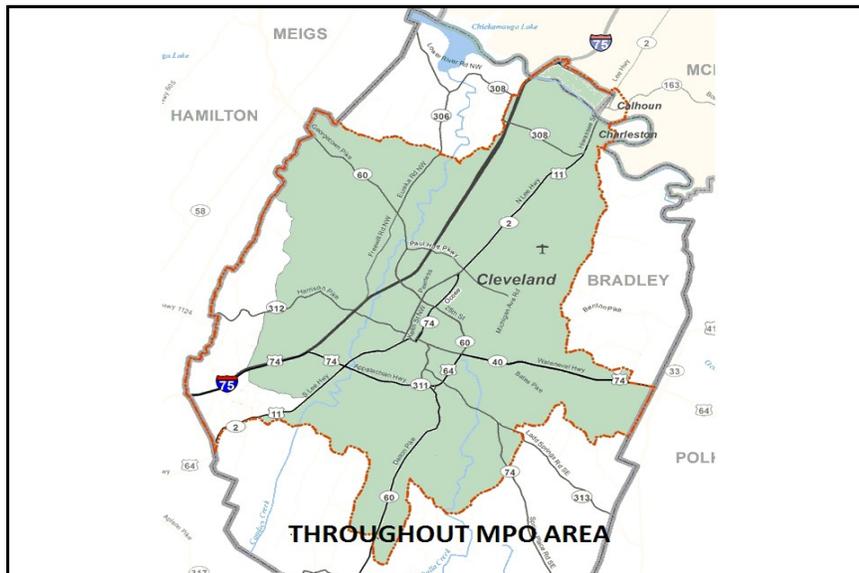
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-N	S-CMAQ	\$16,000	\$0	\$4,000	\$20,000
2020	PE-D	S-CMAQ	\$79,000	\$0	\$19,750	\$98,750
2021	Construction	S-CMAQ	\$827,000	\$0	\$206,750	\$1,033,750
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$922,000	\$0	\$230,500	\$1,152,500



FY2020-2023 Transportation Improvement Program

Project Name	Cleveland Rideshare Program	Sponsoring Agency	City of Cleveland
TIP Number	2017-07	TDOT PIN	
Revision #	1	Amended	
Adjusted		Previous TIP #	
Jurisdiction:	City of Cleveland	L RTP #	Table 5-9
Route			
Termini/Intersecting Road	Throughout MPO area		
Project Description	Program to promote ridesharing and use of downtown Cleveland park & ride lot. Includes outreach, management, legal notices, advertising, website, branding and supplies.		
Project Notes			

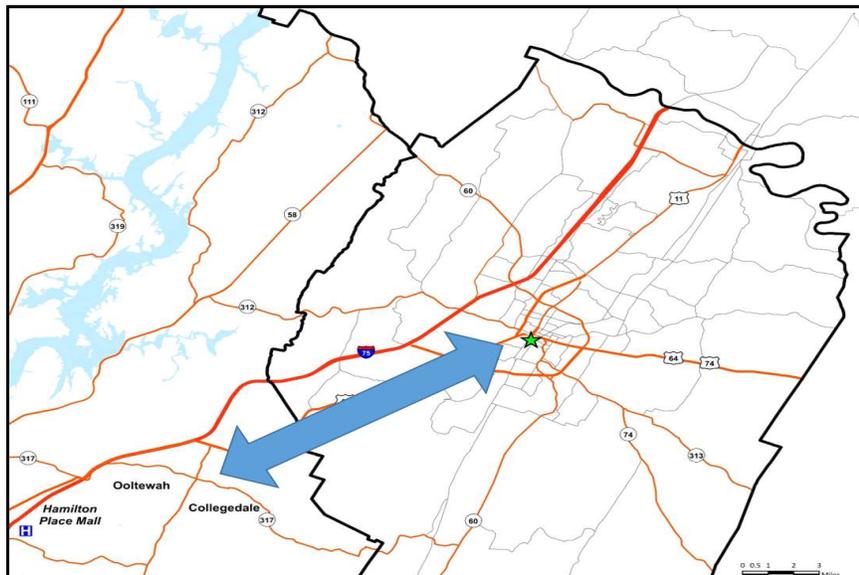
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	Operating	S-CMAQ	\$18,000	\$0	\$4,500	\$22,500
2021	Operating	S-CMAQ	\$10,000	\$0	\$2,500	\$12,500
2022	Operating	S-CMAQ	\$10,000	\$0	\$2,500	\$12,500
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$38,000	\$0	\$9,500	\$47,500



FY2020-2023 Transportation Improvement Program

Project Name	Cleveland-Chattanooga Connection			Sponsoring Agency	CUATS		
TIP Number	2017-08	TDOT PIN		Project Length (miles)		Total Project Cost	\$495,000
Revision #	1	Amended		Adjusted		Previous TIP #	
						STIP #	
Jurisdiction:	CUATS			L RTP #	Table 5-10, 5-11		
Route							
Termini/Intersecting Road	Throughout MPO area						
Project Description	Purchase of two 12-passenger buses and operation of connecting service between downtown Cleveland and CARTA stop at Enterprise South.						
Project Notes							

Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2021	Purchase	S-CMAQ	\$96,000	\$0	\$24,000	\$120,000
2022	Operating	S-CMAQ	\$100,000	\$0	\$25,000	\$125,000
2023	Operating	S-CMAQ	\$200,000	\$0	\$50,000	\$250,000
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$396,000	\$0	\$99,000	\$495,000



FY2020-2023 Transportation Improvement Program

Project Name	I-75 / SR 308 interchange			Sponsoring Agency	TDOT		
TIP Number	2017-09	TDOT PIN	124013.00	Project Length (miles)	0.45	Total Project Cost	\$2,400,000
Revision #	2	Amended		Adjusted		Previous TIP #	
						STIP #	1706010
Jurisdiction:	TDOT			L RTP #	83		
Route	I-75						
Termini/Intersecting Road	Interchange ramps at SR 308 (Lauderdale Hwy) (IA)						
Project Description	Extend ramps						
Project Notes							

Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-N	NHPP	\$252,000	\$28,000	\$0	\$280,000
2020	PE-D	NHPP	\$108,000	\$12,000	\$0	\$120,000
2021	Construction	NHPP	\$1,800,000	\$200,000	\$0	\$2,000,000
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$2,160,000	\$240,000	\$0	\$2,400,000



FY2020-2023 Transportation Improvement Program

Project Name	SR 2 /(US 11, N. Lee Highway)			Sponsoring Agency	TDOT		
TIP Number	2017-10	TDOT PIN	124018.00	Project Length (miles)	5.4	Total Project Cost	\$97,100,000
Revision #	1	Amended		Adjusted		Previous TIP #	
						STIP #	1706020
Jurisdiction:	TDOT			L RTP #	70		
Route	SR-2						
Termini/Intersecting Road	Near Anatole Lane to Market Street						
Project Description	Widen to 5-lane typical section from near Anatole Road to near SR-308 and a 3-lane typical section from near SR-308 to near Market Street.						
Project Notes							

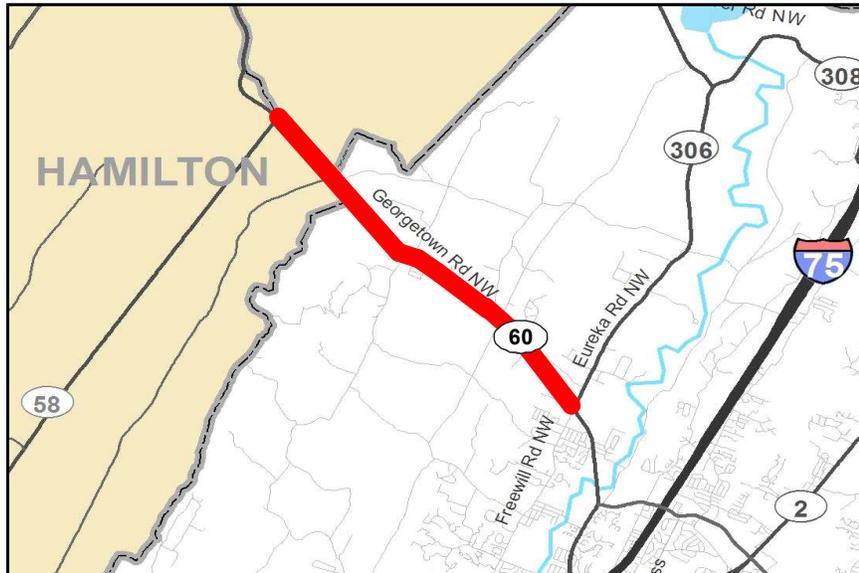
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-N	S-STBG	\$800,000	\$200,000	\$0	\$1,000,000
2020	PE-D	S-STBG	\$2,160,000	\$540,000	\$0	\$2,700,000
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$2,960,000	\$740,000	\$0	\$3,700,000



FY2020-2023 Transportation Improvement Program

Project Name	SR 60 west of SR 306	Sponsoring Agency	TDOT
TIP Number	2017-11	TDOT PIN	101430.02
		Project Length (miles)	6.5
		Total Project Cost	\$30,100,000
Revision #	2	Amended	
		Adjusted	
		Previous TIP #	
		STIP #	1706005
Jurisdiction:	TDOT	L RTP #	86, 103
Route	SR 60		
Termini/Intersecting Road	Near SR 306 (Bradley Co) thru Meigs Co to near SR 58 (Hamilton Co)		
Project Description	Corridor improvements. Various sections will feature improvements including 3-lane sections, passing lanes, 12-foot travel lanes, 8-foot shoulders, and resurfacing.		
Project Notes			

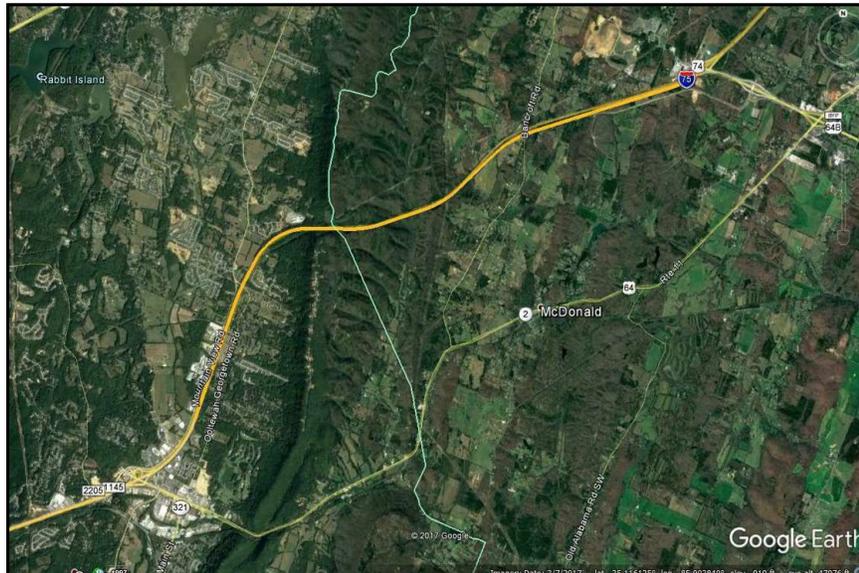
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-N	NHPP	\$100,000	\$25,000	\$0	\$125,000
2020	PE-D	NHPP	\$960,000	\$240,000	\$0	\$1,200,000
2022	ROW	NHPP	\$3,200,000	\$800,000	\$0	\$4,000,000
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$4,260,000	\$1,065,000	\$0	\$5,325,000



FY2020-2023 Transportation Improvement Program

Project Name	I-75 south of Exit 20			Sponsoring Agency	TDOT		
TIP Number	2017-12	TDOT PIN	124081.00	Project Length (miles)	5.2	Total Project Cost	\$116,900,000
Revision #	2	Amended		Adjusted		Previous TIP #	
		STIP #	1706000				
Jurisdiction:	TDOT			L RTP #	105		
Route	I-75						
Termini/Intersecting Road	US 74 (APD-40 / SR 311, Exit 20) to Hamilton Co. line						
Project Description	Widen I-75 from 4 to 6 lanes from US 74 (APD-40/SR 311, Exit 20) to Hamilton County line. Full project extends to US 64 in Hamilton County; details on the portion in Hamilton County can be found in the TIP for the Chattanooga/Hamilton County/North Georgia Transportation Planning Organization.						
Project Notes							

Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-D	NHPP	\$3,843,000	\$427,000	\$0	\$4,270,000
2021	ROW	NHPP	\$1,980,000	\$220,000	\$0	\$2,200,000
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$5,823,000	\$647,000	\$0	\$6,470,000



FY2020-2023 Transportation Improvement Program

Project Name	Gaut Street area sidewalks and bus stops	Sponsoring Agency	City of Cleveland	
TIP Number	2017-13	TDOT PIN	123116.01	
		Project Length (miles)	0.5	
		Total Project Cost	\$795,633	
Revision #	2	Amended		
		Adjusted		
		Previous TIP #		
		STIP #		
Jurisdiction:	City of Cleveland		L RTP #	Table 5-9
Route	Gaut Street			
Termini/Intersecting Road	Dooley, Gaut, Central Ave NE, Inman St.			
Project Description	Construct/replace sidewalks along Dooley St and Gaut St. between SR 74 (Wildwood Ave) and Central Avenue NE. Construct/replace sidewalks on Central Ave NE from Gaut St to College Hill Recreation Center, and on Inman St from Gaut St to Sheppard St. Install bus shelters on Dooley St. near the intersection of Wildwood Ave (SR 74), and on Central Ave. at the intersection with Gaut St.			
Project Notes				

Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	Right of Way	U-STBG	\$53,872	\$0	\$13,468	\$67,340
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$53,872	\$0	\$13,468	\$67,340



FY2020-2023 Transportation Improvement Program

Project Name	Sidewalks on 25th St and Peerless Rd NW	Sponsoring Agency	City of Cleveland	
TIP Number	2018-01	TDOT PIN	125182.01	
		Project Length (miles)	0.6	
		Total Project Cost	\$1,407,519	
Revision #	1	Amended		
		Adjusted		
		Previous TIP #		
		STIP #		
Jurisdiction:	City of Cleveland		L RTP #	Table 5-9
Route	SR 60, Peerless Rd			
Termini/Intersecting Road	Various streets in Cleveland			
Project Description	New sidewalks, sidewalk improvements, and bus stop improvements on Peerless Road NW, 25th Street, and Keith Street.			
Project Notes				

Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-N, PE-D	U-STBG	\$195,418	\$0	\$48,854	\$244,272
2020	Right of Way	U-STBG	\$96,840	\$0	\$24,210	\$121,050
2020	Construction	TAP	\$674,190	\$0	\$224,730	\$898,920
2020	Construction	U-STBG	\$114,621	\$0	\$28,655	\$143,277
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$1,081,069	\$0	\$326,449	\$1,407,519



FY2020-2023 Transportation Improvement Program

Project Name	Paul Huff Parkway resurfacing			Sponsoring Agency	City of Cleveland		
TIP Number	2019-01	TDOT PIN		Project Length (miles)	2.4	Total Project Cost	\$2,307,129
Revision #	0	Amended		Adjusted		Previous TIP #	
						STIP #	
Jurisdiction:	City of Cleveland			L RTP #	Table 5-9		
Route	Paul Huff Parkway						
Termini/Intersecting Road	Georgetown Road (SR60) to North Lee Highway						
Project Description	Paul Huff Parkway resurfacing from Georgetown Road (SR60) to North Lee Highway						
Project Notes							

Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-N	U-STBG	\$55,371	\$0	\$13,843	\$69,214
2020	PE-D	U-STBG	\$129,199	\$0	\$32,300	\$161,499
2023	Construction	U-STBG	\$1,661,133	\$0	\$415,283	\$2,076,416
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$1,845,703	\$0	\$461,426	\$2,307,129



FY2020-2023 Transportation Improvement Program

Project Name	Paul Huff Traffic Signal Upgrades			Sponsoring Agency	City of Cleveland		
TIP Number	2019-02	TDOT PIN		Project Length (miles)	4.5	Total Project Cost	\$505,300
Revision #	0	Amended		Adjusted		Previous TIP #	
						STIP #	
Jurisdiction:	City of Cleveland			L RTP #	Table 5-9		
Route	Paul Huff Parkway						
Termini/Intersecting Road	Paul Huff Traffic Signal Upgrades from Georgetown Road (SR60) to Michigan Ave. Rd. NE						
Project Description	Enhance corridor operations by implementing detection and communications upgrades at 12 signalized intersections to enable collection of automated traffic signal performance measures (ATSPMs).						
Project Notes							

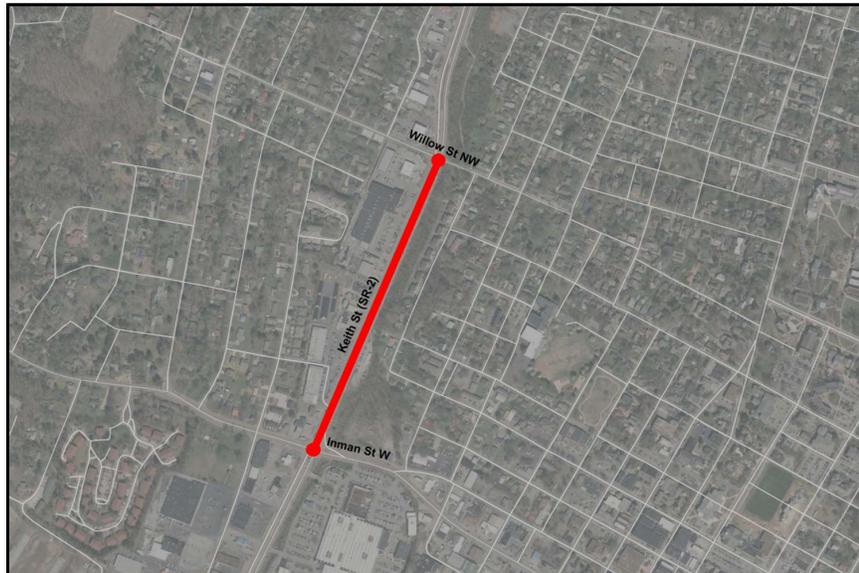
Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-N	U-STBG	\$24,000	\$0	\$6,000	\$30,000
2020	PE-D	U-STBG	\$56,000	\$0	\$14,000	\$70,000
2021	Construction	U-STBG	\$324,240	\$0	\$81,060	\$405,300
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$404,240	\$0	\$101,060	\$505,300



FY2020-2023 Transportation Improvement Program

Project Name	Cleveland Greenway - Phase VI	Sponsoring Agency	City of Cleveland	
TIP Number	2019-03	TDOT PIN	128170.00	
		Project Length (miles)	0.4	
		Total Project Cost	\$2,102,335	
Revision #	0	Amended		
		Adjusted		
		Previous TIP #		
		STIP #	0	
Jurisdiction:	City of Cleveland		L RTP #	Table 5-9
Route	SR-2			
Termini/Intersecting Road	From the end of existing greenway south of Willow Street Northwest to the existing sidewalk system on the south side of Inman Street West in Cleveland			
Project Description	Construction of a multi-modal greenway generally adjacent and parallel to SR-2 (Keith Street) and near South Mouse Creek from south of Willow Street to the south side of Inman Street. Project also includes ADA Compliance, landscaping, a pedestrian bridge, elevated crosswalk, steps, sidewalk, retaining wall(s) and pedestrian signals.			
Project Notes				

Fiscal Year	Phase	Funding Source	Fed Funding	State Funding	Local Funding	Total Funding by FY
2020	PE-D	U-STBG	\$183,200	\$0	\$45,800	\$229,000
2020	ROW	U-STBG	\$89,600	\$0	\$22,400	\$112,000
2021	Construction	TAP	\$1,409,068	\$0	\$352,267	\$1,761,335
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Total Funding by Type			\$1,681,868	\$0	\$420,467	\$2,102,335



Appendices

- A. FUNDING SUMMARY TABLES**
- B. TIP FUNDING SOURCES**
- C. U-STBG PROJECTS AND EVALUATION CRITERIA**
- D. COMMENTS FROM AGENCIES, STAKEHOLDERS AND CITIZENS**
- E. STATUS OF FY2017-2020 TIP PROJECTS**
- F. AMENDMENT AND MODIFICATION PROCESS**
- G. FAST ACT LEGISLATION**
- H. METROPOLITAN GROUPINGS**
- I. ADA TRANSITION PLAN INFORMATION**



FY2020-2023 FUNDING SUMMARY TABLES

FHWA Funding Summary Table					
HSIP	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding					
Fed Funding	\$34,133	\$28,440	\$17,010	\$11,318	\$90,900
State Funding	\$3,793	\$3,160	\$1,890	\$1,258	\$10,100
Local Funding	\$0	\$0	\$0	\$0	\$0
Total Funding	\$37,925	\$31,600	\$18,900	\$12,575	\$101,000
Amount Programmed to be Spent					
Fed Funding	\$34,133	\$28,440	\$17,010	\$11,318	\$90,900
State Funding	\$3,793	\$3,160	\$1,890	\$1,258	\$10,100
Local Funding	\$0	\$0	\$0	\$0	\$0
Total Funding	\$37,925	\$31,600	\$18,900	\$12,575	\$101,000
NHPP	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding					
Fed Funding	\$39,531,000	\$4,044,000	\$3,376,000	\$132,000	\$47,083,000
State Funding	\$9,299,000	\$486,000	\$844,000	\$33,000	\$10,662,000
Local Funding	\$0	\$0	\$0	\$0	\$0
Total Funding	\$48,830,000	\$4,530,000	\$4,220,000	\$165,000	\$57,745,000
Amount Programmed to be Spent					
Fed Funding	\$39,531,000	\$4,044,000	\$3,376,000	\$132,000	\$47,083,000
State Funding	\$9,299,000	\$486,000	\$844,000	\$33,000	\$10,662,000
Local Funding	\$0	\$0	\$0	\$0	\$0
Total Funding	\$48,830,000	\$4,530,000	\$4,220,000	\$165,000	\$57,745,000
S-STBG	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding					
Fed Funding	\$3,058,000	\$84,000	\$56,000	\$42,000	\$3,240,000
State Funding	\$764,500	\$21,000	\$14,000	\$10,500	\$810,000
Local Funding	\$0	\$0	\$0	\$0	\$0
Total Funding	\$3,822,500	\$105,000	\$70,000	\$52,500	\$4,050,000

FHWA Funding Summary Table (cont.)

Amount Programmed to be Spent					
Fed Funding	\$3,058,000	\$84,000	\$56,000	\$42,000	\$3,240,000
State Funding	\$764,500	\$21,000	\$14,000	\$10,500	\$810,000
Local Funding	\$0	\$0	\$0	\$0	\$0
Total Funding	\$3,822,500	\$105,000	\$70,000	\$52,500	\$4,050,000
CMAQ	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding					
Fed Funding	\$113,000	\$933,000	\$110,000	\$200,000	\$1,356,000
State Funding	\$0	\$0	\$0	\$0	\$0
Local Funding	\$28,250	\$233,250	\$27,500	\$50,000	\$339,000
Total Funding	\$141,250	\$1,166,250	\$137,500	\$250,000	\$1,695,000
Amount Programmed to be Spent					
Fed Funding	\$113,000	\$933,000	\$110,000	\$200,000	\$1,356,000
State Funding	\$0	\$0	\$0	\$0	\$0
Local Funding	\$28,250	\$233,250	\$27,500	\$50,000	\$339,000
Total Funding	\$141,250	\$1,166,250	\$137,500	\$250,000	\$1,695,000
TAP	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding					
Fed Funding	\$674,190	\$1,409,068	\$0	\$0	\$2,083,258
State Funding	\$0	\$0	\$0	\$0	\$0
Local Funding	\$224,730	\$352,267	\$0	\$0	\$576,997
Total Funding	\$898,920	\$1,761,335	\$0	\$0	\$2,660,255
Amount Programmed to be Spent					
Fed Funding	\$674,190	\$1,409,068	\$0	\$0	\$2,083,258
State Funding	\$0	\$0	\$0	\$0	\$0
Local Funding	\$224,730	\$352,267	\$0	\$0	\$576,997
Total Funding	\$898,920	\$1,761,335	\$0	\$0	\$2,660,255
HIP	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding					
Fed Funding	\$0	\$0	\$0	\$0	\$0
State Funding	\$0	\$0	\$0	\$0	\$0
Local Funding	\$0	\$0	\$0	\$0	\$0
Total Funding	\$0	\$0	\$0	\$0	\$0

FHWA Funding Summary Table (cont.)					
Amount Programmed to be Spent					
Fed Funding	\$0	\$0	\$0	\$0	\$0
State Funding	\$0	\$0	\$0	\$0	\$0
Local Funding	\$0	\$0	\$0	\$0	\$0
Total Funding	\$0	\$0	\$0	\$0	\$0
U-STBG	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding*					
Fed Funding	\$8,307,937	\$5,276,264	\$3,253,624	\$3,276,062	\$11,207,162
State Funding	\$0	\$0	\$0	\$0	\$0
Local Funding	\$2,076,984	\$1,319,066	\$813,406	\$819,016	\$2,801,791
Total Funding	\$10,384,921	\$6,595,330	\$4,067,030	\$4,095,078	\$14,008,953
Amount Programmed to be Spent					
Fed Funding	\$3,988,482	\$2,989,016	\$953,602	\$1,661,133	\$9,592,232
State Funding	\$0	\$0	\$0	\$0	\$0
Local Funding	\$997,120	\$747,254	\$238,401	\$415,283	\$2,398,058
Total Funding	\$4,985,602	\$3,736,270	\$1,192,003	\$2,076,416	\$11,990,290
Reserve Funds**					
Fed Funding	\$4,319,455	\$2,287,248	\$2,300,022	\$1,614,929	
State Funding	\$0	\$0	\$0	\$0	
Local Funding	\$1,079,864	\$571,812	\$575,005	\$403,732	
Total Funding	\$5,399,319	\$2,859,060	\$2,875,027	\$2,018,662	

* FY 2020 starting balance is \$7,360,602. FY 2019 apportionment of \$947,335 serves as basis for annual apportionment estimates. Funding is assumed to hold steady for FY 2020, then increase annually by one percent for fiscal years 2021, 2022 and 2023.

** See Chapter 3 for information on purpose of reserve funds. Reserve funds listed in table are for TIP Project 2013-05, Adkisson Drive widening and roundabout.

FTA Funding Summary Table					
5307	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding					
Fed Funding	\$737,926	\$705,342	\$769,532	\$519,532	\$2,732,332
State Funding	\$275,213	\$258,921	\$291,016	\$259,766	\$1,084,916
Local Funding	\$275,213	\$258,921	\$291,016	\$259,766	\$1,084,916
Total Funding	\$1,288,352	\$1,223,184	\$1,351,564	\$1,039,064	\$4,902,164
Amount Programmed to be Spent					
Fed Funding	\$737,926	\$705,342	\$769,532	\$519,532	\$2,732,332
State Funding	\$275,213	\$258,921	\$291,016	\$259,766	\$1,084,916
Local Funding	\$275,213	\$258,921	\$291,016	\$259,766	\$1,084,916
Total Funding	\$1,288,352	\$1,223,184	\$1,351,564	\$1,039,064	\$4,902,164
5339	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding					
Fed Funding	\$89,227	\$89,227	\$89,227	\$89,227	\$356,908
State Funding	\$11,153	\$11,153	\$11,153	\$11,153	\$44,614
Local Funding	\$11,153	\$11,153	\$11,153	\$11,153	\$44,614
Total Funding	\$111,534	\$111,534	\$111,534	\$111,534	\$446,135
Amount Programmed to be Spent					
Fed Funding	\$89,227	\$89,227	\$89,227	\$89,227	\$356,908
State Funding	\$11,153	\$11,153	\$11,153	\$11,153	\$44,614
Local Funding	\$11,153	\$11,153	\$11,153	\$11,153	\$44,614
Total Funding	\$111,534	\$111,534	\$111,534	\$111,534	\$446,135
5310	FY 2020	FY 2021	FY 2022	FY 2023	TIP TOTAL
Available Funding					
Fed Funding	\$172,000	\$0	\$0	\$0	\$172,000
State Funding	\$21,500	\$0	\$0	\$0	\$21,500
Local Funding	\$21,500	\$0	\$0	\$0	\$21,500
Total Funding	\$215,000	\$0	\$0	\$0	\$215,000
Amount Programmed to be Spent					
Fed Funding	\$172,000	\$0	\$0	\$0	\$172,000
State Funding	\$21,500	\$0	\$0	\$0	\$21,500
Local Funding	\$21,500	\$0	\$0	\$0	\$21,500
Total Funding	\$215,000	\$0	\$0	\$0	\$215,000

B TRANSPORTATION IMPROVEMENT PROGRAM FUNDING SOURCES

SYSTEM	PROJECT INITIATION	SOURCE	MATCH RATIO
Streets and Highways			
National Highway Performance System (NHPP)	State DOT	Federal State	80 to 90% 10 to 20%
Surface Transportation Block Grant Program, State (S-STBG)	State DOT	Federal State	80% 20%
Surface Transportation Block Grant Program, Urban (U-STBG)	Local Government	Federal Local	80% 20%
State Funds (STA)	State DOT	State	100%
Transportation Alternatives*	Local Government	Federal Local	80% 20%
Highway Infrastructure Program (HIP)	State DOT	Federal State Local	80% 20%
Highway Safety Improvement Program (HSIP)	State DOT	Federal Local	80% 20%
Congestion Mitigation and Air Quality Improvement Program (CMAQ)	State DOT	Federal Local	80% 20%
Public Transportation			
Section 5307 – Capital and Operations Assistance Grant Program *	Local Government	Federal State Local	80% 10% 10%
Section 5339 – Capital Grant	Local Government and certain private non-profit entities	Federal State Local	80% 10% 10%
Section 5310 – Capital Grant Program	Local Government and Certain Private, Non-Profit Entities	Federal Local**	80% 20%
<p>* The use of 5307 funds for operations requires a 50/50 match of federal to non-federal dollars.</p> <p>* With the passage of the FAST Act, these funds became part of the STBG. TAP funds are still shown in the FY2020-2023 TIP because they are being used in one of the current projects.</p> <p>** When funds are made available to private non-profit entities, they are responsible for providing non-federal matching funds.</p>			

DEFINITIONS

National Highway Performance Program (NHPP) – NHPP projects must be on an eligible facility and support progress toward achievement of national performance goals for improving infrastructure conditions, safety, mobility, or freight movement on the National Highway System. This system is comprised of the interstates, principal arterial roads, and certain other designated routes which function as critical links in the national, statewide and regional transportation system. Funds from this program may be used for many types of transportation improvements, including construction, reconstruction, and operational improvements.

Surface Transportation Block Grant Program (STBG) - These funds may be used for the same broad range of improvements as NHS funds. The significant difference in the two programs is that STP funds may be used to improve the design or operation of any route on the urban federal-aid system (which does not include local streets or rural minor collectors). As a result, the Surface Transportation Block Grant Program funds a large number of projects in the TIP.

In the FY2020-2023 TIP, a distinction is shown between state STBG funds that are programmed at the discretion of the state (S-STBG) and urban STBG funds that are allocated to the MPO for use on eligible projects determined by the MPO (U-STBG).

State Funds (STA) – These funds which are used for transportation projects on routes designated as part of the Tennessee state highway system. Funds for these programs are one hundred percent State monies and may be used for all types of transportation improvements, including construction, reconstruction, operational improvements and planning. State funds are typically provided through designated programs such as the State Industrial Access (SIA) program or the Local Interchange Connector (LIC) program.

Highway Infrastructure Program (HIP) – These funds provide flexible funding to address state and local transportation needs through the construction of highways, bridges, tunnels, including designated routes of the Appalachian Development Highway System and local access roads under Section 14501 of Title 40.

Highway Safety Improvement Program (HSIP) – A highway safety improvement project is any strategy, activity or project on a public road that is consistent with the data-driven State Strategic Highway Safety Plan (SHSP) and corrects or improves a hazardous road location or feature or addresses a highway safety problem. The FAST Act provides an example list of eligible activities, but HSIP projects are not limited to those on the list.

Congestion Mitigation and Air Quality Program (CMAQ) – The purpose of the CMAQ program is to provide funds for transportation projects or programs that will contribute to attainment or maintenance of the National Ambient Air Quality Standards (NAAQS) for ozone, carbon monoxide (CO), and particulate matter (both PM₁₀ and PM_{2.5}). Streets, highways, and transit projects are eligible for CMAQ funds.

Federal Transit Administration Section 5307 (FTA-5307) – Also known as an Urbanized Area Formula Grant, this program makes Federal resources available for transit capital and operating assistance in urbanized areas, and for transportation related planning. Eligible purposes include planning, engineering design and evaluation of transit projects and other technical transportation-related studies; capital investments in bus and bus-related activities such as replacement of buses, overhaul of buses, rebuilding of buses, crime prevention and security equipment and construction of maintenance and passenger facilities. All preventive maintenance and some Americans with Disabilities Act complementary paratransit service costs are considered capital costs.

Federal Transit Administration Section 5339 (FTA-5339) - This program provides capital assistance to replace, rehabilitate, and purchase buses and vans and bus- or van-related equipment, and to construct bus-related facilities. Eligible recipients for capital investment funds are public agencies and private nonprofit agencies engaged in public transportation, including those that provide services open to a segment of the general public, as defined by age, disability, or low income.

Federal Transit Administration Section 5310 (FTA-5310) - This program provides formula funding to States for the purpose of assisting local governments, public transit agencies, and private nonprofit groups in meeting the transportation needs of the elderly and persons with disabilities when the public transportation service provided is unavailable, insufficient, or inappropriate to meet these needs. Funds are apportioned based on each State's share of population for these groups of people.



URBAN STBG PROJECTS AND EVALUATION CRITERIA

TIP Project Screening

New projects considered for inclusion in the Transportation Improvement Program are first pre-screened for eligibility based on the following factors:

- Is the project listed in, or consistent with, the Regional Transportation Plan?
- Has the project been identified in a corridor study, subarea plan, modal plan, or other MPO document?
- Has the project been sufficiently defined to allow reliable cost estimates?
- Have non-federal sources of funding (local match) been identified?

If the project satisfies those eligibility criteria, it is then screened for completeness:

- Are the scope, physical limits and functional class identified?
- Is a cost estimate provided?
- Is there a schedule for project implementation?
- Are the benefits of the project identified?
- What relationship, if any, does it have to other projects?
- Is there political and community support?
- What are the operating impacts?
- Are there any hidden problems?

TIP Project Evaluation

Proposed new projects that meet the above criteria for eligibility and completeness are then reviewed using the TIP Project Evaluation Criteria (see Table C-1).

This evaluation incorporates the project's ability to help achieve the required planning goals from federal transportation law (the FAST Act), and also supports conclusions about how well the proposed project would meet specific regional goals and objectives.

Table C-2 shows the Urban STBG-funded projects included in the FY2020-2023 TIP, as programmed by fiscal year.

Table C-1. Project Evaluation Sheet

TIP Screening Questions	Yes/ No	Comments
1 Is project in current Regional Transportation Plan?		
2 Are local matching funds available?		
TIP Selection Criteria		
Economic Development		
Does the project...		
1 Connect to current or future employment area?		
2 Enhance job creation?		
3 Support freight movement?		
4 Have local support from the business community?		
5 Reflect consistency with economic development goals/plans?		
6 Improve intermodal connections?		
7 Include private funding?		
Land Use Suitability		
Is the project...		
1 Consistent with locally adopted land use plans?		
2 In the Urbanized Area?		
3 Enhance infill/redevelopment opportunity?		
4 Improve access between destinations?		
Environmental Sustainability & Environmental Justice		
Does the project...		
1 Does project reduce vehicle-miles traveled (VMT)?		
2 Does not impact known archaeological resources, floodplains, historic resources, natural habitats, parks or wetlands?		
3 Does project include sustainable design practices?		
4 Is project non-emission producing?		
5 Does project improve access to low-income areas?		
6 Does project improve access to minority areas?		
Alternative Modes of Transportation		
Does the project...		
1 Improve transit service?		
2 Provide a new or enhanced bikeway?		
3 Provide a new or enhanced pedestrian path?		

TIP Selection Criteria (continued from previous page)	Yes/ No	Comments
Reduce Need for Single-Occupancy Vehicle Trips		
Does the project...		
1 Provide HOV or HOT lanes?		
2 Provide new transit service?		
3 Provide new bikeway?		
4 Provide new pedestrian path?		
Congestion Management		
Does the project...		
1 Improve roadway volume/capacity ratio (v/c)?		
2 Reduce congestion on a parallel roadway?		
3 Improve signal timing?		
4 Improve intersection movement?		
5 Involve Intelligent Transportation Systems (ITS) technology?		
Operations & Maintenance		
Does the project involve...		
1 Reconstruction of a substandard roadway?		
2 Maintain an existing roadway (e.g. paving?)		
Safety & Security		
Does the project...		
1 Alleviate current roadway deficiencies such as inadequate width, low bridge height/weight limits, horizontal or vertical deficiencies, etc.?		
2 Improve a high crash location?		
3 Improve the security of the transportation system?		
4 Provide consistency with the Strategic Highway Safety Plan?		
5 Provide consistency with the SETHRA/CUATS security plan?		
Enhancements		
Does the project include enhancements such as:		
1 Streetscaping (trees, lighting, etc.)		
2 Landscaped medians?		
3 Gateways?		
4 Decorative sidewalk/street pavers?		

Table C-2. Urban STBG Projects Programmed by Fiscal Year

FISCAL YEAR	PROJECT NO.	PROJECT NAME	TOTAL PROGRAMMED
2020	2017-01	Urban STBG Grouping	\$3,523,699
	2013-01	20th Street/Michigan Avenue Road	\$144,251
	2013-05	Adkisson Drive widening and roundabout	\$70,000
	2017-13	Gaut Street area sidewalks and bus stops	\$67,340
	2018-01	Sidewalks on 25th St and Peerless Rd NW	\$508,599
	2019-01	Paul Huff Parkway resurfacing	\$230,713
	2019-02	Paul Huff Traffic Signal Upgrades	\$100,000
	2019-03	Cleveland Greenway – Phase VI	\$341,000
FY 2020 TOTAL			\$4,985,602
2021	2017-01	Urban STBG Grouping	\$2,869,018
	2013-01	20th Street/Michigan Avenue Road	\$26,832
	2013-05	Adkisson Drive widening and roundabout	\$435,120
	2019-02	Paul Huff Traffic Signal Upgrades	\$405,300
FY 2021 TOTAL			\$3,736,270
2022	2013-01	20th Street/Michigan Avenue Road	\$1,031,008
	2013-05	Adkisson Drive widening and roundabout	\$160,994
FY 2022 TOTAL			\$1,192,003
2023	2019-01	Paul Huff Parkway resurfacing	\$2,076,416
FY 2023 TOTAL			\$2,076,416
FY2020-2023 TIP, TOTAL PROJECTS PROGRAMMED			\$11,990,290

D COMMENTS FROM AGENCIES, STAKEHOLDERS & CITIZENS

The MPO's Public Participation Plan is designed to ensure that, prior to adoption of the TIP, an opportunity for review and comment is provided to federal, state, tribal and local agencies responsible for land use management, natural resources, wildlife, environmental protection, conservation and historic preservation agencies, as well as other community stakeholders and the general public.

Agency Consultation

To carry out the agency consultation process, the MPO sent a copy of the draft TIP to the following agencies with a request for comments:

- National Park Service
- U.S. Fish and Wildlife
- Tennessee Department of Environment & Conservation
- U.S. Army Corps of Engineers
- U.S. Environmental Protection Agency
- Tennessee Wildlife Resources Agency
- Tennessee Valley Authority
- Tennessee Historical Commission
- U.S. Department of Agriculture, Forest Service Region 8
- U.S. Department of Agriculture, Forest Service – Cherokee National Forest

In accordance with the MPO's adopted Public Participation Plan, an electronic copy of the draft TIP was posted on the MPO website at least 21 days before the MPO Executive Board meeting at which the TIP was adopted. At the same time that the electronic draft was posted, paper copies of the draft TIP were also made available at the Cleveland Public Library, Charleston City Hall, Cleveland Chamber of Commerce, and the MPO offices at the City of Cleveland's Department of Development and Engineering Services. Citizens were advised of the draft's availability for public comment through a notice in the Cleveland Daily Banner, and via press releases sent to area news media outlets. The same method was used to advertise the public hearing held by the Executive Board to receive comments prior to consideration and adoption of the TIP.

Notice of the draft TIP's availability was also sent to a list of stakeholders and interested parties maintained by the MPO through its Public Participation Plan. The list (below) includes representatives of the disabled, users of bicycle/pedestrian facilities, public transportation users and employees, private transportation providers, affected public agencies (other than those represented on the TCC), freight shippers and transportation providers, and minority and low-income persons.



List of Stakeholders and Interested Parties (from MPO's Public Participation Plan)

Representatives of Public Transportation Employees

Southeast Tennessee Human Resource Agency

Representatives of Users of Public Transportation

None identified at this time.

Private Providers of Transportation

Bradley/Cleveland Services Inc.
Bradley-Cleveland Community Services Agency
Bradley-Cleveland Senior Center
Ocoee River Transport Inc.

Affected Public Agencies

Bradley County Board of Education
Bradley County Health Department
Bradley County Sheriff's Office
Bradley/Cleveland Development Services
Chattanooga Gas Co.
City of Cleveland Municipal Airport Authority
Cleveland / Bradley County Emergency Management Agency
Cleveland City Schools
Cleveland Police Department
Cleveland Public Library
Cleveland State Community College
Cleveland Utilities
Hiwassee Utilities
Ocoee Utility District
Southeast Tennessee Career Center - Bradley/Polk County Satellite Center
Southeast Tennessee Development District
Tennessee Department of Labor and Workforce Development
Volunteer Energy Cooperative

Representatives of Users of Pedestrian Walkways and Bicycle Transportation Facilities

Cleveland/Bradley County Greenway
Trailhead Bicycle Company
Scott's Bicycles

Representatives of the Disabled

Arthritis Foundation
Cleveland Care and Rehabilitation Center
Department of Mental Retardation
Direct Care Services
Hiwassee Mental Health Center
International Guiding Eyes - Guide Dogs of America
Leader Dogs for the Blind
Signal Centers
The (Blind) Vital Center Inc.
The Gardens of Wellington

Freight Shippers and Providers of Freight Transportation Services

Arch Chemicals Inc.
Bullins Trucking
Bowater Newsprint
Cleveland Chair Company
Duracell Global Business Management Group
Evans, Jackie, Trucking Company
Foreign Trade Zone #134 - Chattanooga Chamber Foundation
Hardwick Clothes Inc.
Jackson Manufacturing Co.
Johnston Coca-Cola Bottling Co.
Masterfoods USA
Norfolk Southern
Olin Corporation
Peyton's Southeastern Inc.
Renfro Corporation
Rubbermaid Commercial Products
US Truckload Services
Whirlpool Corporation, Cleveland Division

Other Interested Parties

100 Black Men of Bradley County Inc.
American Association of Retired Persons (AARP)
Better Business Bureau
Bradley Initiative for Church and Community
Bradley Memorial Hospital
Bradley Sunrise Rotary Club
Brown Stove Works Inc.
Cleveland Associated Industries
Cleveland Community Hospital
Cleveland Creative Arts Guild @ Historic Five Points
Cleveland Housing Authority
Cleveland/Bradley Chamber of Commerce
Cleveland/Bradley Keep America Beautiful Inc.
Epilepsy Foundation of Southeast Tennessee
Family Resource Agency/Head Start
Flowers Bakery of Cleveland LLC
Garden Plaza at Cleveland
Guestline Cleveland
Habitat for Humanity
Kiwanis Club of Cleveland
Lee University
Life Care Centers of America
Mainstreet Cleveland
Morningside of Cleveland
Ocoee Region Builders Association
Ocoee Region Multicultural Services
River Counties Association of Realtors Inc.
Schering-Plough
Southeast Industrial Development Association
Swift Enterprises Inc.
United Way of Bradley County
YMCA



Comments from Stakeholders and Citizens

The Cleveland Urban Area MPO released the draft FY2020-2023 TIP for a 21-day public review and comment period and placed copies of the document at the Cleveland Public Library, the Bradley/Cleveland Chamber of Commerce, the City of Cleveland Development and Engineering Services Department, and online at the MPO's website.

A public hearing was held on Wednesday November 6, 2019 during the regularly scheduled MPO Executive Board meeting.

No comments were received.

E STATUS OF FY2017-2020 TIP PROJECTS

This appendix indicates the status of project development for the projects that were programmed in the FY2017-2020 Transportation Improvement Program.

TIP ID #	PROJECT NAME	STATUS
MPO-Managed Projects		
2011-03	Casteel Connector greenway	Complete
2013-01	20th St. and Michigan Ave. Rd. improvements	Project not initiated yet due to coordination with bridge replacement over Chattata Creek.
2013-05	Adkisson Drive widening and roundabout	Preliminary Engineering
2010-05	Georgetown Rd. & 25th St.	Construction
2017-01	3R improvements on non-state federal-aid routes	Continuing
2017-02	Transit Operations	Continuing
2017-03	Transit Capital Purchases	Continuing
2017-06	Cleveland-Chattanooga Commute Hub	Project location was reconsidered in conjunction with downtown revitalization plans. Project now moving forward.
2017-07	Cleveland Rideshare Program	Not started
2017-08	Cleveland-Chattanooga Connecting Service	Not started
2017-13	Gaut St. area sidewalks	Right-of-way
2018-01	Sidewalks on 25th St. and Peerless Rd. area	Preliminary Design

(continued next page)

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TIP ID #	PROJECT NAME	STATUS
State-Managed Projects		
06009	SR 60 widening from Westlake Dr. to SR 306	Construction
06095	Highway Safety Improvement Projects	Continuing
06001	3R improvements on National Hwy. System routes	Continuing
06003	3R improvements on state routes	Continuing
2017-09	I-75 / SR 308 interchange improvements	Preliminary Engineering
2017-10	SR 2 (US 11, N. Lee Highway)	Preliminary Engineering
2017-11	SR 60 west of SR 306 (Freewill/Eureka Rd)	Preliminary Engineering
2017-12	I-75 south of APD-40 (Exit 20)	Preliminary Engineering

F AMENDMENT AND MODIFICATION PROCESS

Revisions to the TIP fall into one of two categories: (1) amendments, which require public review and comment as well as MPO Executive Board approval, and (2) administrative modifications, which do not. Whether a proposed revision constitutes a TIP amendment is determined first by the nature of the change, and if the change involves project cost, by the amount of change that would result.

Definition of a TIP Amendment

An amendment is a revision to the TIP that involves major changes to a project or the overall program, and cannot be made without public review and comment, redemonstration of the TIP's fiscal constraint. An amendment is required for these types of changes:

- ❖ Major change in a project's total cost (except groupings), as defined below in the Project Cost Change Thresholds;
- ❖ Adding a new project to the TIP;
- ❖ Deleting a project from the TIP;
- ❖ Major change to a project's scope. Examples include, but are not limited to changing the number of thru-lanes, adding or eliminating non-motorized facilities, changing termini, changing capital category (i.e. transit funding), or changing mode (e.g. rolling stock or facility type for transit).

Process for Making a TIP Amendment

A public notice stating that a draft TIP amendment has been released for public review and comment shall be placed in the *Cleveland Daily Banner*. The notice shall specify the date, times and location of the forthcoming public meetings. Special efforts will be made to provide information on the TIP to media and organizations serving low-income and minority persons in the urban area. This notice shall also be posted at the Cleveland Public Library, the Cleveland/Bradley County Chamber of Commerce, and on the MPO website a minimum of 21 days prior to the meeting at which the draft TIP amendment will be considered by the MPO Executive Board.

The draft TIP amendment shall be posted at the Cleveland Public Library, the Cleveland/Bradley County Chamber of Commerce, and on the MPO website for a minimum of 21 days to allow the public to review and provide comments on the draft amendment.

A public meeting notice stating the agendas, date, times and location of the forthcoming Technical Coordinating Committee (TCC) meeting and the MPO Executive Board meeting shall be placed in the *Cleveland Daily Banner* a minimum of 7 days prior to those meetings.

After the minimum 21-day public review and comment period, a public meeting shall be held by the TCC. At the TCC public meeting, the MPO Coordinator shall report all comments received in writing prior to the meeting. The TCC shall review and vote whether to endorse the draft TIP amendment for consideration by the MPO Executive Board.

After the TCC meeting, the MPO Executive Board shall hold a public meeting to review any and all public comments. The MPO Executive Board shall vote whether to adopt by resolution the draft TIP amendment, or amend it if necessary.

Definition of a TIP Administrative Modification

An administrative modification is a minor change to the approved TIP. It does not require public review and comment, nor the redemonstration of the TIP's fiscal constraint. Administrative modifications may be made for these types of changes:

- ❖ Minor change in a project's total cost, as defined above in the Project Cost Thresholds table;
- ❖ Minor change in a project's description and/or termini that is for clarification and does not change the actual scope;
- ❖ Shifting funds among funding sources and/or projects already identified in the TIP, as long as the action does not result in a major change in any project's total cost for all phases shown in the approved TIP;
- ❖ Adding funds already identified in the TIP for the current or previous year, as long as the funds are identified in an existing TIP project or shown as available funds, and as long as the action does not result in a major change in any project's total cost for all phases shown in the approved TIP;
- ❖ Moving projects from year to year within an approved TIP;
- ❖ Adding a prior project phase to the TIP, as long as the action does not result in a major change in the project's total cost for all phases shown in the approved TIP;
- ❖ Changes required to follow FHWA or FTA instructions regarding the withdrawal or re-establishment of funds at federal request (such as rescissions);
- ❖ Moving funds between similarly labeled groupings, regardless of the percent of change;
- ❖ Adjusting revenue to match actual revenue receipts.

Process for Making a TIP Administrative Modification

When TDOT makes a modification to a state-sponsored project, it submits the information to FHWA/FTA and notifies the MPO so that the MPO staff can update the TIP project sheets and/or funding tables as appropriate.

When any other MPO member agency requests a modification to the TIP, the MPO updates the TIP project sheets and/or funding tables as appropriate and then sends notification to TDOT of the changes.

Project Cost Change Thresholds

A sliding scale is outlined below to indicate whether a proposed change in project cost will require a TIP amendment, or whether it can be made by administrative modification. All measurements for the cost change are based on the cost shown in the last approved TIP or TIP revision, to account for incremental changes.

Total Project Cost (of all phases shown in the approved TIP)	Cost Change Requiring a TIP Amendment	Cost Change Threshold for a TIP Modification
Up to \$2 million	≥ 75%	< 75%
\$2 million to \$15 million	≥ 50%	< 50%
\$15 million to \$75 million	≥ 40%	< 40%
\$75 million and greater	≥ 30%	< 30%

FAST ACT LEGISLATION

The [Fixing America's Surface Transportation \(FAST\) Act](#) is a funding and authorization bill signed into law in December of 2015 that governs United States federal surface transportation spending, including the funds spent within the Cleveland Urban Area MPO.

The funding provided by the FAST Act is intended to improve and maintain the country's surface transportation infrastructure, including the interstate and national highway system, transit systems, and bicycling and pedestrian facilities. Like its predecessor, MAP-21, the FAST Act requires MPOs to focus efforts on the development and implementation of regional strategies that:

- ❖ Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
- ❖ Increase the safety of the transportation system for motorized and non-motorized users;
- ❖ Increase the security of the transportation system for motorized and non-motorized users;
- ❖ Increase the accessibility and mobility options available to people, and for freight;
- ❖ Protect and enhance the environment, promote energy conservation, improve quality of life, and promote consistency between transportation improvements and state and local planned growth and economic development patterns;
- ❖ Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
- ❖ Promote efficient system management and operations;
- ❖ Emphasize the preservation of the existing transportation system;
- ❖ Improve the resiliency and reliability of the transportation system; and
- ❖ Reduce or mitigate stormwater impacts on the surface transportation system.

The FAST Act identifies a number of different funding programs which can be used for various modes of transportation including highways, transit, and pedestrian and bicycle facilities. More information and a definition of each funding program are included in Appendix B.

More information can be found at <https://www.fhwa.dot.gov/fastact/>

H METROPOLITAN GROUPINGS

The FY2020-FY2023 TIP includes several project sheets that represent “groupings” of transportation activities under various federal funding programs. Below is a description of this category and the types of activities that may be conducted.

Allowable Work Types for TDOT’s Metropolitan Groupings

Activities delivered from TDOT’s metropolitan groupings are limited to work types that are:

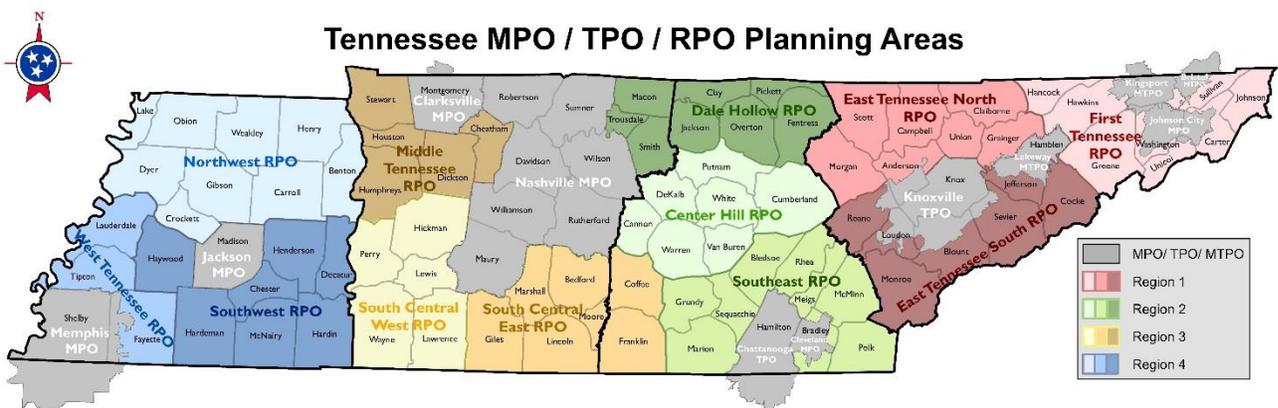
1. Located in metropolitan areas – any located in a non-metropolitan or rural area must be programmed in the STIP,
2. Not considered to be of appropriate scale for individual identification in a given program year,
3. Environmentally-neutral as categorical exclusions under [23 CFR 771.117\(c\) and \(d\)](#),
4. Non-regionally significant, in nonattainment and maintenance areas, and
5. Exempt as defined in the EPA’s transportation conformity regulations in [40 CFR Part 93](#), in nonattainment and maintenance areas.

Activities that do not meet these requirements must be individually identified in the respective MPO’s TIP or TDOT’s STIP.

Metropolitan, Non-metropolitan, and Rural Areas

TDOT’s map of metropolitan, non-metropolitan, and rural areas is available at:

https://www.tn.gov/content/dam/tn/tdot/long-range-planning/maps/MPO_RPO_Map_2019_May_V2.pdf



Regional Significance and Air Quality Attainment Status

Regionally significant project means a transportation project that is on a facility which serves regional transportation needs (such as access to and from the area outside the region; major activity centers in the region; major planned developments such as new retail malls, sports complexes, or employment centers; or transportation terminals) and would normally be included in the modeling of the metropolitan area's transportation network. At a minimum, this includes all principal arterial highways and all fixed guideway transit facilities that offer a significant alternative to regional highway travel, per [23 CFR 450.104](#). Regional significance is collaboratively determined by each nonattainment and/or maintenance area's respective Interagency Consultation group, per [40 CFR 93.105](#).

The EPA's "Green Book" of nonattainment and maintenance statuses is available at: <https://www.epa.gov/green-book>.

NHPP and STBG Funding Qualifications

National Highway Performance Program (NHPP) funds are limited to projects on the National Highway System (NHS) unless otherwise noted in Title 23 of the U.S. Code. FHWA's NHS maps are available at:

http://www.fhwa.dot.gov/planning/national_highway_system/nhs_maps/tennessee/index.cfm.

Surface Transportation Program (STBG) funds can only be used on Federal-aid routes, i.e. any functionally-classified road except local roads and rural minor collectors – unless otherwise noted in Title 23 of the U.S. Code. TDOT's functional classification maps are available at: <https://www.tn.gov/tdot/driver-how-do-i/look-at-or-order-state-maps/maps/annual-average-daily-traffic-maps1.html>.

Estimating Funding Availability

Funding is guaranteed through FY2020 with the FAST Act. Marginal increases are assumed for fiscal years 2021, 2022, and 2023 following the expiration of the of the FAST Act (no increase for fiscal year 2020 and a one percent increase annually for fiscal years 2021, 2022 and 2023). It is also assumed that adopted local budgets will maintain the necessary level of transportation funding to match the federal funds available.

Grouping	Function	Allowable Work Types
<p>Cleveland MPO -Safety – Urban Grouping</p> <p>TIP Project # 06095</p>	<p>Any strategy, activity or project on a public road that is consistent with the data-driven State Strategic Highway Safety Plan (SHSP) and corrects or improves a hazardous road location or feature or addresses a highway safety problem, including workforce development, training and education activities.</p> <p>Eligibility of specific projects, strategies, and activities is generally based on:</p> <ul style="list-style-type: none"> • Consistency with SHSP, • Crash experience, crash potential, or other data-supported means, • Compliance with the requirements of Title 23 of the U.S.C., and • State's strategic or performance-based safety goals to reduce fatalities and serious injuries on all public roads. • Projects to upgrade railway-highway grade crossings by eliminating hazards and installing protective devices. 	<ul style="list-style-type: none"> • Intersection safety improvements • Pavement and shoulder widening (including a passing lane to remedy an unsafe condition) • Installation of rumble strips or another warning devices, if they do not adversely affect the safety or mobility of bicyclists and pedestrians • Installation of skid-resistant surface at intersections or locations with high crash frequencies • Improvements for pedestrian or bicyclist safety • Construction and improvement of a railway-highway grade crossing safety feature, including installation of protective devices • The conduct of a model traffic enforcement activity at a railway-highway crossing • Construction of a traffic calming feature • Elimination of a roadside hazard • Installation, replacement, and other improvements of highway signage and pavement markings, or a project to maintain minimum levels of retro-reflectivity that addresses a highway safety problem consistent with the SHSP • Installation of emergency vehicle priority control systems at signalized intersections • Installation of traffic control or other warning devices at locations with high crash potential • Transportation safety planning

<p>Cleveland MPO -Safety – Urban Grouping</p> <p>TIP Project # 06095</p>		<ul style="list-style-type: none"> • Collection, analysis, and improvement of safety data • Planning integrated interoperable emergency communications equipment or operational or traffic enforcement activities (including police assistance) related to work zone safety • Installation of guardrails, barriers (including barriers between construction work zones and traffic lanes), and crash attenuators. • The addition or retrofitting of structures or other measures to eliminate or reduce crashes involving vehicles and wildlife • Installation of yellow-green signs and signals at pedestrian and bicycle crossings and in school zones. • Construction and operational improvements on high risk rural roads. • Geometric improvements to a road for safety purposes that improve safety. • Road safety audits. • Roadway safety infrastructure improvements consistent with FHWA’s “Highway Design Handbook for Older Drivers and Pedestrians” (FHWA-RD-01-103) • Truck parking facilities eligible for funding under Section 1401 of MAP-21 • Systemic safety improvements • Installation of vehicle-to-infrastructure communication equipment. • Pedestrian hybrid beacons. • Roadway improvements that provide separation between
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		<p>pedestrians and motor vehicles, including medians and pedestrian crossing islands.</p> <ul style="list-style-type: none"> • Other physical infrastructure projects not specifically enumerated in the list of eligible projects. • Workforce development, training, and education activities
<p>Safety Grouping</p> <p>(Section 130 or HSIP-R)</p>	<p>Activities included as part of the Highway Railroad Grade Crossing program:</p>	<ul style="list-style-type: none"> • Elimination of hazards of railway-highway crossings, including the separation or protection of grades at crossings. • Reconstruction of existing railroad grade crossing structures. • Relocation of highways to eliminate grade crossings. • Installation of protective devices.
<p>Highway Infrastructure Program (HIP)</p>	<p>Provide flexible funding to address State and local transportation needs through the construction of highways, bridges, tunnels, including designated routes of the Appalachian development highway system and local access roads under Section 14501 of Title 40.</p>	<p>Construction of highways, bridges, tunnels, including designated routes of the Appalachian development highway system and local access roads under Section 14501 of Title 40.</p>
<p>National Highway System Preservation and Operation</p> <p>TIP Project # 06110</p>	<p>Projects for the preservation and improvement of the conditions and performance of the National Highway System (NHS), including</p> <ul style="list-style-type: none"> • Rehabilitation, resurfacing, restoration, preservation, and operational improvements, 	<ul style="list-style-type: none"> • Minor rehabilitation, pavement resurfacing, preventative maintenance, restoration, and pavement preservation treatments to extend the service life of highway infrastructure, including pavement markings and improvements to roadside hardware or sight distance • Highway improvement work including slide repair, rock fall mitigation, drainage repairs, or other

<p>National Highway System Preservation and Operation</p> <p>TIP Project # 06110</p>	<ul style="list-style-type: none"> • Traffic operations, • Bridge and tunnel improvements, • Safety improvements, • Bicycle and pedestrian improvements, and • Environmental mitigation. 	<p>preventative work necessary to maintain or extend the service life of the existing infrastructure in a good operational condition</p> <ul style="list-style-type: none"> • Minor operational and safety improvements to intersections and interchanges such as adding turn lanes, addressing existing geometric deficiencies, and extending on/off ramps • Capital and operating costs for intelligent transportation systems (ITS) and traffic monitoring, management, and control facilities and programs: <ul style="list-style-type: none"> • Infrastructure-based intelligent transportation systems (ITS) capital improvements. • Traffic Management Center (TMC) operations and utilities. • Freeway service patrols. • Traveler information. • Bridge and tunnel construction (no additional travel lanes), replacement, rehabilitation, preservation, protection, inspection, evaluation, and inspector training and inspection and evaluation of other infrastructure assets, such as signs, walls, and drainage structures. • Development and implementation of a State Asset Management Plan including data collection, maintenance and integration, software costs, and equipment costs that support the development of performance-based management systems for infrastructure. • Rail-highway grade crossing improvements.
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<p>National Highway System Preservation and Operation</p> <p>TIP Project # 06110</p>		<ul style="list-style-type: none"> • Highway safety improvements: • Installation of new or improvement of existing guardrail. • Installation of traffic signs and signals/lights. • Spot safety improvements. • Sidewalk improvements. • Pedestrian and/or bicycle facilities. • Traffic calming and traffic diversion improvements. • Noise walls, • Wetland and/or stream mitigation, • Environmental restoration and pollution abatement, • Control of noxious weeds and establishment of native species.
<p>Urban Surface Transportation Block Grant Program (STBG) Grouping</p> <p>&</p> <p>Surface Transportation System Preservation and Operation</p> <p>TIP Projects #2017-01 & 06111</p>	<p>Projects and programs for the preservation and improvement of the conditions and performance of Federal-aid highways and public roads, including:</p> <p>Projects and programs for the preservation and improvement of the conditions and performance of Federal-aid highways and public roads, including:</p> <ul style="list-style-type: none"> • Rehabilitation, resurfacing, restoration, preservation, and operational improvements on Federal-aid highways and designated routes of the Appalachian Development Highway 	<p>Activities previously authorized under the Surface Transportation Program (STP):</p> <ul style="list-style-type: none"> • Minor rehabilitation, pavement resurfacing, preventative maintenance, restoration, and pavement preservation treatments to extend the service life of highway infrastructure, including pavement markings and improvements to roadside hardware or sight distance • Highway improvement work including slide repair, rock fall mitigation, drainage repairs, or other preventative work necessary to maintain or extend the service life of the existing infrastructure in a good operational condition • Minor operational and safety improvements to intersections and interchanges such as adding turn lanes, addressing existing geometric deficiencies, and extending on/off ramps.

<p>Urban Surface Transportation Block Grant Program (STBG) Grouping</p> <p>&</p> <p>Surface Transportation System Preservation and Operation</p> <p>TIP Projects #2017-01 & 06111</p>	<p>System (ADHS) and local access roads under 40 U.S.C. 14501,</p> <ul style="list-style-type: none"> • Traffic operations on Federal-aid highways, • Bridge and tunnel improvements on public roads, • Safety improvements on public roads, • Environmental mitigation • Scenic and historic highway programs, • Landscaping and scenic beautification, • Historic preservation, • Infrastructure projects for improving non-driver access to public transportation and enhanced mobility, • Community improvement activities, 	<ul style="list-style-type: none"> • Capital and operating costs for intelligent transportation systems (ITS) and traffic monitoring, management, and control facilities and programs: <ul style="list-style-type: none"> ○ Infrastructure-based intelligent transportation systems (ITS) capital improvements. ○ Traffic Management Center (TMC) operations and utilities. ○ Freeway service patrols, ○ Traveler information. • Bridge and tunnel construction (no additional travel lanes), replacement, rehabilitation, preservation, protection, inspection, evaluation, and inspector training and inspection and evaluation of other infrastructure assets, such as signs, walls, and drainage structures • Development and implementation of a State Asset Management Plan including data collection, maintenance and integration, software costs, and equipment costs that support the development of performance-based management systems for infrastructure. • Rail - Highway grade crossing improvements • Highway safety improvements: <ul style="list-style-type: none"> ○ Installation of new or improvement of existing guardrail. ○ Installation of traffic signs and signals/lights. ○ Spot safety improvements. • Sidewalk improvements, • Pedestrian and/or bicycle facilities,
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<p>Urban Surface Transportation Block Grant Program (STBG) Grouping</p> <p>&</p> <p>Surface Transportation System Preservation and Operation</p> <p>TIP Projects #2017-01 & 06111</p>		<ul style="list-style-type: none"> • Traffic calming and traffic diversion improvements, • Transportation Alternatives as defined by 23 U.S.C. 213(B), 23 U.S.C.. 101(A)(29), and Section 1122 of MAP-21. • Noise walls, • Wetland and/or stream mitigation, • Environmental restoration and pollution abatement, • Control of noxious weeds and establishment of native species
	<ul style="list-style-type: none"> • Transportation Enhancement projects 	<p>Activities previously authorized under the Transportation Enhancement Program:</p> <ul style="list-style-type: none"> • Pedestrian and bicycle facilities, safety, and educational activities. • Acquisition of scenic easements and scenic or historic sites. • Scenic or historic highway programs, • Landscaping and other scenic beautification activities, • Historic preservation, • Rehabilitation and operation of historic transportation buildings, structures, or facilities, • Preservation of abandoned railway corridors, • Advertising, • Archaeological planning and research, • Environmental mitigation to address water pollution due to highway runoff or reduce vehicle-caused wildlife mortality while maintaining habitat connectivity. • Establishment of transportation museums, • Activities under the Tennessee Roadscapes grant program, including landscaping, irrigation,

<p>Urban Surface Transportation Block Grant Program (STBG) Grouping</p> <p>&</p> <p>Surface Transportation System Preservation and Operation</p> <p>TIP Projects #2017-01 & 06111</p> <p>Surface Transportation Program Grouping</p>		benches, trash cans, paths, and signage.
	<ul style="list-style-type: none"> • Safe Routes to School (SRTS) projects, 	<p>Infrastructure related activities:</p> <ul style="list-style-type: none"> • Sidewalk improvements • Traffic calming and speed reduction improvements • Pedestrian and bicycle crossing improvements • On-street bicycle facilities • Off-street bicycle and pedestrian facilities • Secure bicycle parking facilities • Traffic diversion improvements approximately within 2 miles of a school location. <p>Non-infrastructure related activities:</p> <ul style="list-style-type: none"> • Public awareness campaigns and outreach to press and community leaders. • Traffic education and enforcement in the vicinity of schools <ul style="list-style-type: none"> ○ Student sessions on bicycle and pedestrian safety, health, and environment ○ Funding for training, volunteers, and managers of safe routes to school program.
	<ul style="list-style-type: none"> • Transportation Alternatives projects, • On- and off-road pedestrian and bicycle facilities, 	<p>Activities previously authorized under the Transportation Alternatives Program (TAP):</p> <ul style="list-style-type: none"> • Transportation Alternatives projects, construction, planning, and design of on-road and off-road trail facilities for pedestrians, bicyclists, and other non-motorized forms of transportation, including:

<p>Urban Surface Transportation Block Grant Program (STBG) Grouping</p> <p>&</p> <p>Surface Transportation System Preservation and Operation</p> <p>TIP Projects #2017-01 & 06111</p>		<ul style="list-style-type: none"> ○ Sidewalk improvements. ○ Bicycle infrastructure. ○ Pedestrian and bicycle signals. ○ Traffic calming techniques. ○ Lighting and other safety-related infrastructure. ○ Transportation projects to achieve compliance with the Americans with Disabilities Act of 1990
	<ul style="list-style-type: none"> ● Transportation Alternatives projects 	<ul style="list-style-type: none"> ● Construction, planning, and design of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs ● Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, or other non-motorized transportation users ● Construction of turnouts, overlooks, and viewing areas <p>Community improvement activities, which include but are not limited to:</p> <ul style="list-style-type: none"> ● Inventory, control, or removal of outdoor advertising. ● Historic preservation and rehabilitation of historic transportation facilities. ● Vegetation management in transportation rights-of-way to improve roadway safety, prevents invasive species, and provides erosion control. ● Archaeological activities relating to impacts from implementation of a transportation project eligible under Title 23 of the U.S.C.

<p>Urban Surface Transportation Block Grant Program (STBG) Grouping</p> <p>&</p> <p>Surface Transportation System Preservation and Operation</p> <p>TIP Projects #2017-01 & 06111</p>	<ul style="list-style-type: none"> • Transportation Alternatives projects, 	<p>Any environmental mitigation activity, including pollution prevention and pollution abatement activities and mitigation to:</p> <ul style="list-style-type: none"> • Address storm water management, control, and water pollution prevention or abatement related to highway construction or due to highway runoff. • Reduce vehicle-caused wildlife mortality or to restore and maintain connectivity among terrestrial or aquatic habitats
	<ul style="list-style-type: none"> • Projects for the creation, rehabilitation, and maintenance of multi-use recreational trails. 	<ul style="list-style-type: none"> • SRTS Program infrastructure-related projects, non-infrastructure-related activities (such as pedestrian and bicycle safety and educational activities advanced under the SRTS program), and SRTS Coordinator positions. • Planning, designing, or constructing boulevards and other roadways largely in the right-of-way of former Interstate System routes or other divided highways
	<ul style="list-style-type: none"> • Recreational Trail Program projects, 	<p>Recreational Trails Program activities under 23 U.S.C. 206.</p> <ul style="list-style-type: none"> • Maintenance and restoration of existing recreational trails • Development and rehabilitation of trailside and trailhead facilities and trail linkages for recreational trails • Purchase and lease of recreational trail construction and maintenance equipment

		<ul style="list-style-type: none"> • Construction of new recreational trails • Acquisition of easements and fee simple title to property for recreational trails or recreational trail corridors • Assessment of trail conditions for accessibility and maintenance • Development and dissemination of publications and operation of educational programs to promote safety and environmental protection • Payment of costs to the State incurred in administering the program
<p>Workforce Development, Training, and Education Grouping</p>	<p>Surface transportation workforce development, training, and education activities.</p>	<ul style="list-style-type: none"> • Direct educational expenses (not including salaries) in connection with the education and training of transportation employees • National Highway Institute (NHI) course participation • College and University cooperative education programs relating to surface transportation including student internships, outreach to develop interest and promote participation in transportation careers, or activities that will help students prepare for a career in transportation • Local technical assistance programs (LTAP)

ADA TRANSITION PLAN INFORMATION

All government entities employing more than 50 people are required by Title II of the Americans with Disabilities Act (ADA) to develop an ADA transition plan that identifies physical obstacles in facilities that limit the accessibility of its programs or activities to individuals with disabilities, describes the methods that will be used to make the facilities accessible, and specifies the schedule for taking the steps necessary to achieve compliance. Based on this criteria, both Bradley County and the City of Cleveland are required to develop an ADA Transition Plan, while other MPO member jurisdictions are not required. TDOT most recently updated their ADA Transition Plan in 2019. Links and information regarding ADA grievance procedures, self-evaluation, and transition plans for required organizations is provided below.

TDOT

- ❖ ADA Coordinator – Margaret Zeman Mahler, ADA/504 Coordinator
- ❖ ADA Transition Plan – <https://www.tn.gov/tdot/government/g/ada-office0/transition-plan.html>

Bradley County

- ❖ ADA Coordinator: Lindsay Hathcock, Executive Assistant to the Mayor
(423) 728-7165
lhathcock@bradleycountyttn.gov
- ❖ ADA Transition Plan under development

City of Cleveland

- ❖ ADA Coordinator: Greg Thomas
(423) 472-4551, x5027
gthomas@clevelandtn.gov
- ❖ ADA Transition Plan under development