

CHAPTER 6: **MAPPING APPLICATION AND LISTINGS OVERVIEW**

6.1 Mapping Application and Geographic Information Systems

This Draft TIP does not contain printed static maps in the document, except those in Appendix G: Environmental Justice Appendix. Due to the dynamic, changing nature of the TIP, static maps would become out of date by the time the final version of the TIP is printed and distributed. For this reason, DVRPC recommends using the Draft TIP Web Map Search Tool found at www.dvrpc.org/TIP/Draft as the primary mapping function to show the location of mappable projects for Highway and Transit projects.

Different project types, such as intersection improvements, bridge replacements, or new transit facilities, are shown on the Draft TIP Web Map Search Tool by using various colors and symbols. Certain types of projects, such as roadway landscaping, lease payments for the use of railroad tracks, reserve line items, or preliminary studies, are not mapped. Instead, these projects are listed in a drop-down list under the heading “Draft TIP Projects Not Mapped” and are listed in a table, by their unique project identification number (DB #), on the map under the same heading.

In addition to Draft TIP projects, the Draft TIP Web Map Search Tool includes overlays, such as Planning Centers, Freight Centers, CMP Corridors, and IPD; a “search by address or location” function; and access to additional data sets. DVRPC has made TIP Geographic Information Systems (GIS) data available as well. GIS is an important planning tool that supports state, regional, county, and local planning and technical efforts. Nearly all planning activities incorporate GIS technology, whether it is for data collection and storage or for analysis and presentation. GIS allows planners to view and query spatial data; perform advanced analysis to discover relationships, patterns, and trends; and effectively present information to decision makers and the public.

Downloadable GIS point and line location features for Draft TIP projects, projects in the current adopted Pennsylvania and New Jersey TIPs, and projects with formal TIP Actions on which the DVRPC RTC and Board vote are available via the DVRPC Data Center, www.dvrpc.org/Data. The DVRPC Data Center contains boundaries, demographic, planning, and transportation data, which is helpful for obtaining data that provides context for the TIP.

DVRPC Regional Highway and Transit Programs

This draft document includes various project listings. The project listings include the New Jersey Highway, Transit (NJ TRANSIT and DRPA/PATCO), Statewide, and the Study and Development Programs. The project listings within the Highway and Transit Programs are grouped by county and transit operator. Included are Highway projects for Burlington, Camden, Gloucester, and Mercer counties; a listing of projects that apply to various counties; and Transit projects for NJ TRANSIT and DRPA/PATCO.

Within each county grouping, individual Highway and Transit projects are listed alphabetically by project title. Each project listing provides information on total program period cost, cost by fiscal year, phase of work, and funding source. Costs are shown in millions of dollars. Also included are project location, project description, air quality code, improvement type, DVRPC Planning Center, NJDOT Capital Investment Strategies program category, CMP category, EJ IPD rating, and a variety of other information. To assist in quickly locating projects within the document, each county or transit section begins with an index of projects with page numbers listed. NJDOT and NJ TRANSIT have developed a STIP with a 10-year horizon, looking beyond the federal requirement

of a four-year STIP, and that 10-year horizon is reflected in the finance records for all projects. The full New Jersey STIP is available at www.nj.gov/transportation/capital/stip2231.

Note that all projects within the formal First-Four Years (FY24–FY27) would be considered funded and able to be federally authorized for funding. By federal regulation, the TIP is the four-year constrained program for which revenues are reasonably expected to be available. However, the state and region developed a 10-year constrained programming horizon for Highway and Transit projects to provide more realistic expectations and timeframes in which to expect advancement of TIP projects with more realistic costs. Many projects that have phases within the First-Four Years (FY24–FY27) also have phases (such as Construction) that may be out between LFY28 and LFY33. This 10-year constrained programming horizon is illustrated on the project listings within the TIP and STIP documents.

Statewide Program

Following the lists of DVRPC region Highway and Transit projects are lists of Highway projects in the Statewide Program. These Statewide projects are primarily highway programs managed by NJDOT on a statewide basis that are not specific to any MPO region or that provide direct support to NJDOT.

Study and Development Program

There is a subset of Highway proposals referred to as Study and Development projects. Projects marked with an “L” preceding any phase indicate a Local Agency Lead; otherwise, the state DOT is the lead agency. The objective of the Study and Development Program is to make candidate projects ready for consideration for TIP funded phases in a future TIP update cycle: Preliminary Engineering (PE), Final Design (DES), Right-of-Way Acquisition (ROW), and Construction (CON). Projects in the Study and Development Program have been identified as priorities for further advancement but have not reached formal approval for advancement into PE or DES. In other words, these projects are in the “pre-TIP” phase. Reasonable strategies and alternatives that address the purpose and need are identified for Study and Development projects during the pre-TIP Concept Development phase.

6.2 Codes and Abbreviations Overview

Various codes and abbreviations are used in the project descriptions for the phase of work and source of funds. These codes and abbreviations are explained below.

Air Quality Codes

An alphanumeric air quality (AQ) coding scheme has been developed for all projects in the Long-Range Plan and the TIP. The AQ code is applied by DVRPC for the conformity determination and exempt eligibility identification purposes. For non-exempt projects, the project’s AQ code is identified by the first conformity “analysis year” that follows the project’s last year of programmed funds for construction that are expected for authorization (hence, projected year of project opening to the public or completion year): 2025, 2035, 2045, or 2050. The letter following the year indicates whether the project was modeled (M) in the regional simulation or if the project was analyzed using an off-model technique (O). If a non-exempt project in the TIP, for example, has the last year of funding programmed for construction in 2023, its AQ code would be 2025M.

The Clean Air Act regulations do not require projects that may be coded as exempt from being included in the conformity analysis. An exempt project of the final conformity rule (40 CFR 93) is defined as a project that primarily enhances safety or aesthetics, maintains mass transit, continues current levels of ridesharing, or builds bicycle and pedestrian facilities. There are several categories of exempt projects, and DVRPC indicates the

specific exempt code in the project descriptions. In cases in which multiple codes apply, the most representative code is assigned. Exempt projects in design phases are classified under the planning and technical studies category. [Table 35](#) and [Table 36](#) provide a complete list of exempt and non-exempt categories and corresponding AQ codes.

Study and Development projects are those that are still in the conceptual phase and are not yet part of the TIP. However, they are likely to be included in future TIPs; therefore, they are assigned AQ codes that begin with “SDX” for projects likely to be exempt from air quality conformity, or “SDN” for projects not likely to be exempt from air quality conformity. Projects that have been determined not to be regionally significant as defined in the final conformity rule and do not fit into an exempt category have been labeled “Not Regionally Significant” (NRS).

Table 38: DVRPC Air Quality Codes for Non-Exempt Project Categories

NON-EXEMPT PROJECT CATEGORY		AQ CODE
PROJECTS MODELED USING DVRPC'S TRAVEL DEMAND MODEL	Regionally Significant, non-exempt projects included in the 2025 network and all subsequent analysis years	2025M
	Regionally Significant, non-exempt projects included in the 2035 network and all subsequent analysis years	2035M
	Regionally Significant, non-exempt projects included in the 2045 network and all subsequent analysis years	2045M
	Regionally Significant, non-exempt projects included in the 2050 network and all subsequent analysis years	2050M
STUDY AND DEVELOPMENT PROJECTS	Project in the Study and Development Program expected to result in an exempt project	SDX
	Project in the Study and Development Program expected to result in a non-exempt project	SDN

Source: DVRPC, 2023

Table 39: DVRPC Air Quality Codes for Exempt Project Categories

EXEMPT PROJECT CATEGORY		AQ CODE	EXEMPT PROJECT CATEGORY		AQ CODE
SAFETY	Railroad/Highway Crossing	S1	MASS TRANSIT	Operating assistance to transit agencies	M1
	Hazard Elimination Program	S2		Purchase of support vehicles	M2
	Safer Non-Federal-Aid System Roads	S3		Rehabilitation of transit vehicles	M3
	Shoulder Improvements	S4		Purchase of office, shop, and operating equipment for existing facilities	M4
	Increasing Sight Distance	S5		Purchase of operating equipment for vehicles (e.g., radios, fare boxes, lifts, etc.)	M5
	Safety improvement program	S6		Construction or renovation of power, signal, and communications systems	M6
	Traffic control device and operating assistance other than signalization projects	S7		Construction of small passenger shelters and information kiosks	M7
	Railroad/highway crossing warning devices	S8		Reconstruction or renovation of transit buildings and structures	M8
	Guardrails, median barriers, crash cushions	S9		Rehabilitation or reconstruction of track structures, track, and tracked-in existing rights-of-way	M9
	Pavement resurfacing and/or rehabilitation	S10		Purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet	M10
	Pavement marking demonstration	S11		Construction of new bus or rail storage/maintenance facilities categorically excluded in 23 CFR part 771	M11
	Emergency relief (23 U.S.C. 125)	S12	OTHER PROJECTS	Specific activities that do not involve or lead directly to construction, such as planning and technical studies	X1
	Fencing	S13		Grants for training and research programs	X2
	Skid treatments	S14		Planning activities conducted pursuant to title 23 and 49 U.S.C.	X3
	Safety roadside rest areas	S15		Federal aid systems revisions	X4
	Adding medians	S16		Engineering to assess social, economic, and environmental effects of the proposed action or alternatives to that action	X5
	Truck-climbing lanes outside the urbanized area	S17		Noise attenuation	X6
	Lighting improvements	S18		Advance land acquisitions (23 CFR 712 or 23 CFR 771)	X7
	Widening narrow pavements or reconstructing bridges (no additional travel lanes)	S19		Acquisition of scenic easements	X8
	Emergency truck pullovers	S20		Plantings, landscaping, etc.	X9
				Sign removal	X10
				Directional and informational signs	X11
AIR QUALITY	Continuation of ridesharing, van-pooling promotion activities at current levels	A1		Transportation enhancement activities (except rehabilitation and operation of historic transportation buildings, structures, or facilities)	X12
	Bicycle and pedestrian facilities	A2		Repair of damage caused by natural disasters, civil unrest, or terrorist acts, except projects involving substantial functional, locational, or	X13
NOT REGIONALLY SIGNIFICANT PROJECTS	Projects determined to be "Not Regionally Significant" and do not fit into an exempt category	NRS			
Intersection channelization projects		R1	Truck size and weight inspection stations		R4
Intersection signalization projects at individual intersections		R2	Changes in vertical and horizontal alignment		R5
Interchange reconfiguration projects		R3	Bus terminals and transfer points		R6

Source: DVRPC, 2023

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Major Regional Project ID

The Major Regional Project ID (MRP ID) indicates if a project is identified as a Major Regional Project in the DVRPC Long-Range Plan with the corresponding ID number.

TIP Project Status Codes

DVRPC has developed a coding scheme to highlight certain projects in the TIP by denoting them with the following status codes: NEW, NEW-B, NEW-G, NEW-LG, NEW&SD, NEW-CD, SD, or RETURN. As a result of the TIP being updated every two years, these status codes help establish the origin of the projects by distinguishing them from other projects within the TIP and by tracking in which TIP document they first appear.

Projects determined as “new” projects in the TIP are denoted with a status code of NEW, NEW-B, NEW-G, NEW-LG, NEW-M, NEW&SD, or NEW-CD. NEW projects are programmed in the TIP for the absolute first time. Projects indicated as NEW-B are new “break-out” projects that have been “broken out of,” or derived from, an existing TIP project. NEW-G projects have “graduated” from the Study and Development Program and are advancing into the TIP for Design to Construction phases. Similarly, NEW-LG projects are locally sponsored projects that have “graduated” from DVRPC’s Local Concept Development Program to advance into the TIP’s Local Program, or the project’s Concept Development phase was locally led by a county or municipality. NEW-M projects include at least two existing TIP projects merged into one of the existing DB #s or combined into a newly established DB #.

Since funds are programmed over a 10-year horizon, projects may be included in both the TIP’s Study and Development Program and Highway Program. Such projects are denoted as NEW&SD. NEW-CD projects are those that are programmed for Concept Development in the DVRPC Highway or NJDOT Statewide Program.

A project denoted with an SD status indicates that it is not a new project but is in the TIP Highway or Statewide Program and Study and Development Program. Finally, projects indicated as RETURN have previously been programmed in a prior year TIP, but through a variety of circumstances, have returned to be programmed in the Draft FY2024 TIP for New Jersey.

Planning Center Notations

The Greater Philadelphia region is a mosaic of 351 townships, boroughs, and cities, each making their own land use decisions. To categorize and simplify community types and corresponding long-range planning policies, DVRPC has assigned each municipality a Planning Center type associated with the long-range planning policies that will be most beneficial to the community as a whole. At the regional scale, Planning Centers guide the direction of policy.

Planning Centers include the following types:

- **Metropolitan Center** - The central business districts of Camden and Philadelphia. These centers have a mixture of high-density residential and commercial uses, contain leading academic and medical institutions, and major tourist and entertainment destinations, and are generally served by transit.
- **Metropolitan Subcenters** - Areas with a magnitude of jobs and commercial activity that generally has more jobs than residents and tends to be auto dependent,
- **Neighborhood Centers** - Walkable, recognizable places with a mix of commercial, retail,

anchor institutional, and residential activities within the larger urban setting. Their characteristics, assets, challenges, and needs vary, and therefore, the specific approaches and strategies for improving and revitalizing these neighborhoods will differ.

- **Suburban Centers** - Regionally significant concentrations of office, retail, professional, and light industrial uses. Suburban Centers generally have more jobs than residents and are generally auto dependent
- **Town Centers** - Areas with a mixture of high-density residential and commercial land uses that are pedestrian friendly, often transit oriented, and surrounded by suburban land uses
- **Rural Centers** - Areas with a minimum density of six people and three employees per developed acre and are surrounded by rural and agricultural land uses
- **Planned Centers** - Planned town-center-type developments on greenfields in Growing Suburbs or Rural Areas or through redevelopment on grayfields and/or brownfields in developed communities. "Planning Center" is a notation in the TIP project description.

IPD Codes

DVRPC uses the IPD (Indicators of Potential Disadvantage) methodology to identify direct and disparate impacts of its plans, programs, and planning process on defined population groups in the Delaware Valley region under Title VI of the Civil Rights Act and the Executive Order on Environmental Justice (EJ). Population groups assessed at the census tract level include Youth, Older Adults, Female, Racial Minority, Ethnic Minority, Foreign Born, Persons with Disabilities, Limited English Proficiency, and Low-Income. The IPD methodology evaluates each census tract in the region for the concentration of each of the nine IPD population groups listed above to understand the distribution of TIP mappable projects in regard to EJ and Title VI guidance. The distribution of projects may indicate if communities of concern are experiencing disproportionate impact or possibly being excluded from benefits of TIP projects.

The data for each of the indicators in the IPD analysis is split into five "bins," and a census tract "score" is determined by standard deviations relative to an indicator's regional average: well below average (score of 0), below average (score of 1), average (score of 2), above average (score of 3), and well above average (score of 4) (see Figure 4: IPD Scoring Methodology). A summary score of all nine indicators for each census tract (ranging from 0 to 36) is used to show regional concentrations of populations of interest as defined by Title VI and EJ. These summary scores are then organized into five categories—from "well below average" to "well above average"—to allow for regional comparisons and evaluation: well below average (scores from 0 to 11), below average (scores from 12 to 15), average (scores from 16 to 19), above average (scores from 20 to 23), and well above average (scores from 24 to 36). Refer to Chapter 3: Responding to Environmental Justice (EJ) and Title VI Concerns for full details.

CMP Notation

Certain projects are determined to be major capacity or operational improvements and found consistent with DVRPC's Congestion Management Process (CMP). They are noted as such in the TIP description, with indications of whether supplemental strategies for addressing congestion are required, and its location in a subcorridor. The CMP category of Major SOV Capacity-Adding Projects refers to projects that add capacity or improve operations in a way that affects regional travel patterns. This review considers, although is not determined by, projects modeled for air quality conformity purposes and studies considered likely to result in non-exempt projects.

National Highway Freight Network

The Delaware Valley is a premier freight transportation gateway and is made up of a multifaceted, interconnected freight network. Projects that have a direct, significant impact on the flow of goods along strategic freight corridors or that would improve NHS connector routes to intermodal facilities are noted as integral to the federally designated NHFN. This system designation is intended to improve the performance of highway portions of the U.S. freight transportation system through strategic use of federal resources. The NHFN has four subsystems: (1) the PHFS; (2) those portions of the Interstate system not part of the PHFS; (3) CRFCs, which DVRPC does not have; and (4) CUFCs. Projects that are in the NHFN and Interstates are eligible for NHFP funding.

Phase of Work Abbreviations

Note that an “L” preceding any phase means Local Agency Lead (MPO, county, or municipality); otherwise, the state DOT is the lead agency.

CAP (Capital Acquisition): Used to denote NJ TRANSIT’s acquisition of rolling stock. NJ TRANSIT uses this designation to describe a series of coordinated smaller-scale projects in multiple locations, and in multiple phases of work, that address a specific mobility issue.

CD/LCD (Concept Development): The Concept Development Phase purpose is to identify and compare reasonable alternatives and strategies that address a well-defined and well-justified Purpose and Need Statement and select a Preliminary Preferred Alternative (PPA). The PPA is selected based on several factors, including environmental impacts, constructability, cost effectiveness, and if the project can be constructed in a timely manner. This phase involves data collection, internal and external stakeholder coordination, and alternatives analysis. Along with the PPA, key products that are produced in this Phase include the Purpose and Need Statement, the National Environmental Policy Act (NEPA) Classification, and the Concept Development Report. CD denotes NJDOT Concept Development Phase; LCD denotes concept development by a local entity (MPO, county, municipality). For information about NJDOT’s Concept Development phase, please visit www.state.nj.us/transportation/capital/pd/phase_cd.shtml.

CON (Construction): Refers to the phase or type of work involving the actual building of a project.

DES (Final Design): The purpose of the Final Design Phase is to produce the project’s construction contract documents (i.e., Final Plans, Specifications, and Cost Estimate (PS&E) for use in soliciting bids from prospective contractors and advancing the project to the Construction Phase. This Phase includes the continuation and completion of environmental and engineering tasks initiated in the Preliminary Engineering Phase, such as roadway design, bridge design, right of way and access engineering, utility engineering, environmental permits and clearances, and community outreach. The completion of those tasks will involve various internal and external project stakeholders. Stakeholder coordination ranges from onboard project review meetings with internal offices to efforts with local officials, the general public and other State and federal agencies. Efforts with the public and local officials are guided by a project-specific public involvement action plan. The Final Design Phase is completed when the project is authorized for construction, which initiates the Construction Phase of project delivery.

EC (Design and Construction): Funding can be used for both design and construction costs.

ERC (Design, Right-of-Way, and Construction): Funding can be used for design, right-of-way, and/or construction costs.

FA/LFA (Feasibility Assessment): A phase of work intended to develop feasible project proposals that produce the best balance among transportation needs, environmental values, public concerns and costs. The end products of scoping are: a recommended scheme with a realistic cost estimate; an approved environmental document; reasonable assurance that environmental permits can be obtained; community support, or documentation explaining why such support cannot reasonably be obtained; and identification of right of way (ROW) needs and costs. Scoping consists of two phases in NJDOT: Feasibility assessment and final scope development. FA denotes feasibility assessment by NJDOT; LFA denotes local feasibility assessment by a local entity (MPO, county, municipality).

PD/LPD (Preliminary Design): This phase advances preliminary engineering and obtains formal community and environmental approval of the Initially Preferred Alternative. PD denotes preliminary design by NJDOT; LPD denotes local preliminary design by a local entity (MPO, county, municipality).

PE/LPE (Preliminary Engineering): The Preliminary Engineering Phase involves performing engineering tasks and technical environmental studies to obtain formal community consensus (through a public information center) of the study and to secure the approval of the environmental document. If a design exception is necessary on a project, preparation and approval of the Design Exception Report will occur during this Phase. During the Preliminary Engineering Phase, a number of activities are simultaneously set in-motion based on the PPA such as community involvement (meetings with affected property, business owners), agency consultation, environmental documentation, design level mapping, and the development of geometric design. PE denotes NJDOT Preliminary Engineering Phase; LCD denotes preliminary engineering by a local entity (MPO, county, municipality).

PLS (Planning Study): Involves traffic studies, needs analyses, corridor studies, and other work preparatory to project development.

PRD (Project Development): A phase or type of work used by NJ TRANSIT which is intended to develop feasible project proposals that produce the best balance among transportation needs, environmental values, public concerns and costs.

PS (Problem Screening): The Problem Screening Phase is the entrance into the delivery process for any potential project. The purpose of the phase is to investigate a potential transportation problem. A potential problem is developed into a Problem Statement (PS) and submitted to Capital Investment Strategies (CIS). The sources of the Problem Statement may include NJDOT Management Systems, Planning Studies, a Metropolitan Planning Organization, or internal and external stakeholders. This phase involves a Tier 1 Screening, a Tier 2 Screening or a Management System Initiative Screening. If the problem is validated, a recommendation is advanced for review and approval by the Capital Program Screening Committee (CPSC) and the Capital Program Committee (CPC).

The objective of the Problem Screening Phase is to effectively, efficiently, and consistently screen transportation problems in agreement with the Statewide Capital Investment Strategy (SCIS) and project prioritization criteria. Achieving this goal is expected to produce selective proposals that are consistent with the SCIS performance related goals, objectives and investment targets for potential advancement while conforming to State and federal requirements.

ROW (Right-of-Way Acquisition): A general term denoting land, property, or interest therein, usually in a strip acquired for or devoted to transportation purposes.

SWI (Statewide Investment): Used to describe a series of coordinated smaller-scale projects in multiple locations, and in multiple phases work, that addresses a specific mobility issue.

UTI (Utilities): Utility relocation work associated with a project. In some cases, the utility relocation work associated with a project must be programmed separately from the actual construction phase of work.

Federal Highway Funding Sources Abbreviations

BFP (Bridge Formula Program): This federal-aid funding category established under the Infrastructure Investment and Jobs Act (IIJA), provides funds to replace, rehabilitate, preserve, protect, and construct bridges on public roads.

BFP-OS-BRDG: This federal-aid funding category established under the Infrastructure Investment and Jobs Act (IIJA), provides funds to replace, rehabilitate, preserve, protect, and construct bridges on public roads. This funding is used for bridges that are off the federal-aid system.

BUILD (Better Utilizing Investments to Leverage Development) Transportation Discretionary Grant Program: This U.S. DOT competitive, discretionary grant program was previously known as Transportation Investment Generating Economic Recovery, or TIGER Discretionary Grants and under the current Biden administration, is now known as RAISE (Rebuilding American Infrastructure with Sustainability and Equity).

CMAQ (Congestion Mitigation and Air Quality Improvement Program): This federal-aid funding category was established under the federal Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA) to provide funding for projects that improve air quality and/or relieve congestion without adding new highway capacity. These funds are especially targeted for states, like New Jersey, with serious air quality problems to help meet their Clean Air Act obligations.

CR (Carbon Reduction Program): This federal-aid funding category established under the Infrastructure Investment and Jobs Act (IIJA), provides funds for projects to reduce transportation emissions, as well as the development of carbon reduction strategies.

CRRSAA (Coronavirus Response and Recovery Supplemental Appropriations Act), CRRSAA-PHILA, CRRSAA-TRENTON: This federal-aid funding category was established by Congress as part of the CRRSAA and appropriated funds by geographic regions (CRRSAA-PHILA for the Philadelphia Urbanized Area (UZA) and CRRSAA-Trenton for the Trenton Urbanized Area in the DVRPC New Jersey region). This funding was rescinded under the Fiscal Responsibility Act of 2023 that was signed into law on June 3, 2023 by the President.

CTDG (Competitive TIGER Discretionary Grants): Special federal economic recovery funding used to spur a national competition for innovative, multimodal, and multijurisdictional transportation projects that promise significant economic and environmental benefits to an entire metropolitan area, a region, or the nation. In 2018, the U.S. DOT rebranded TIGER into the BUILD Transportation Discretionary Grant program, which is now known as RAISE.

DEMO (Demonstration Funds): Federal transportation acts sometimes target specific projects in various states in addition to general programs for federal support. This funding category includes “demonstration” funding provided under Transportation Equity Act for the 21st Century (TEA-21) and Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU). Projects with “demonstration”, or “high priority project” funding often have special rules of use.

FBP (FHWA Ferry Boat Program): Federal funds that are allocated for the improvements to ferry boats and ferry terminal facilities throughout the state.

GARVEE (Grant Anticipation Revenue Vehicle) Bond Program: Program that provides securities upfront to advance the high-cost, federal-aid transportation projects and accelerate construction timelines based on future federal-aid funding for debt repayment. The state is reimbursed for annual project debt service rather than construction outlays over a number of years. Once a project is selected for debt financing, the project is submitted to FHWA for approval as an advance construction project.

HSIP (Highway Safety Improvement Program): This federal-aid funding category was established under SAFETEA-LU with the purpose of significantly reducing traffic fatalities and serious injuries on all public roads in a comprehensive and strategic manner consistent with the State's Strategic Highway Safety Plan.

HWI (Highway Infrastructure): This federal-aid funding category was established under CRRSAA, title IV of division M, Public Law (Pub. L.) 116-260. It appropriated additional funds for Highway Infrastructure Programs (HIP) by geographic regions (HWIZ005-PHILA/TRENTON, HWIZ905-PHILA/TRENTON, HWIZ910-PHILA/TRENTON, and HWIZ919-PHILA/TRENTON in the DVRPC New Jersey region). These funds come with their own obligation limitation, and each has its own authorization and expenditure deadlines and eligibility rules.

I-MAINT or IM (Interstate Maintenance): Provided funding for projects that promote resurfacing, rehabilitation, and preventive maintenance on the Interstate system. This funding category was merged into NHPP in MAP-21.

INFRA (Infrastructure for Rebuilding America): A federal discretionary grant program that was established in July 2017 to replace the FASTLANE program that was newly authorized under the FAST Act. It provides INFRA grants or credit assistance to nationally and regionally significant freight and highway projects.

LOCAL-DVRPC: Funding provided to DVRPC from sources other than Federal and State, including, but not limited to, local autonomous authorities, entities, and governments.

LTAP (Local Technical Assistance Program): Federal funds that are allocated for the center that provides information and training to local governments and agencies to foster a safe, efficient, and environmentally sound surface transportation system by improving skills and increasing knowledge of the transportation workforce and decision makers.

NEVFP (National Electric Vehicle Formula Program): This federal-aid funding category established under the Infrastructure Investment and Jobs Act (IIJA), provides funds for electric vehicle charging infrastructure and to establish an interconnected network to facilitate data collection, access, and reliability.

NHFP-HWY, NHFP-RAIL (National Highway Freight Program): As established by the FAST Act, the National Highway Freight Program provides funding to improve the efficient movement of freight on the National Highway Freight Network (NHFN). NHFP supports several goals, including: infrastructure and operational improvements that strengthen economic competitiveness, reduce congestion, reduce the cost of freight transportation, improve reliability, and increase productivity; improving the safety, security, efficiency, and resiliency of freight transportation in rural and urban areas; improving the state of good repair of the NHFN; using innovation and advanced technology to improve NHFN safety, efficiency, and reliability; improving the efficiency and productivity of the NHFN; improving State flexibility to support multi-State corridor planning and address highway freight connectivity; and reducing the environmental impacts of freight movement on the NHFN.

NHPP (National Highway Performance Program): As established by MAP-21, the National Highway Performance Program provides support for the construction of new facilities on the National Highway System (NHS), the condition and performance of the NHS, and achieving performance targets, as set by that State's asset management plan.

OTHER: This represents funding provided from other sources, including but not limited to, bi-state and autonomous authorities, private entities, and local governments.

OTHER-DVRPC: Funding provided directly to the MPO from sources other than Federal and State, including, but not limited to, bi-state and autonomous authorities, private and government entities.

PFP – PROTECT Formula Program: This federal-aid funding category established under the Infrastructure Investment and Jobs Act (IIJA), provides funds for planning, resilience improvements, community resilience and evacuation routes, and at-risk coastal infrastructure.

PL/PL-FTA – Planning (Metropolitan Planning Funds by FHWA/FTA): A federal-aid funding category that provides funds for the federally mandated transportation planning process conducted within each Metropolitan Planning Organization.

RAISE (Rebuilding American Infrastructure with Sustainability and Equity): U.S. DOT's new competitive discretionary grant program formerly known as BUILD will prioritize projects that can demonstrate improvements to racial equity, reduce impacts of climate change and create good-paying jobs. See www.transportation.gov/RAISEgrants for more details.

RCA (Rail-Highway Grade Crossings Program): A federal funding category which is intended to develop and implement safety improvement projects to reduce the number and severity of crashes at public highway-rail grade crossings. Eligible program activities include signing and pavement markings at crossings, active warning devices, crossing surface improvements, sight distance improvements, grade separations, and the closing and consolidation of crossings.

RTP (Recreational Trail Program): Provides grants to public agencies and non-profit organizations for a variety of trail projects. The NJ Department of Environmental Protection, Division of Parks and Forestry, administers the program.

RHC (Rail-Highway Grade Crossings Program): This is a federal funding category that is intended to develop and implement safety improvement projects to reduce the number and severity of crashes at public highway-rail grade crossings. Eligible activities include signing and pavement markings at crossings; active warning devices; crossing surface improvements; sight distance improvements; grade separations; and the closing and consolidation of crossings.

RHC-PHILA (Rail Highway Grade Crossing-Philadelphia): RHC funds designated for the “Philadelphia, PA-NJ-DE-MD” Urbanized Area.

RHC-TRENTON (Rail Highway Grade Crossing-Trenton): RHC funds designated for the “Trenton, NJ” Urbanized Area.

SPR/SPR-FTA (Statewide Planning and Research): Federal law requires a percentage of funds allocated to states for highway improvements to be devoted to planning and research activities.

STBGP (Surface Transportation Block Grant Program): A federal funds category established under the Intermodal Surface Transportation Efficiency Act (ISTEA), which encompasses funding made available to areas delineated by geographic boundaries and/or population limits.

STBGP-OS-BRDG (Surface Transportation Block Grant Program for Off-System Bridges): This federal-aid funding category provides funds for the rehabilitation or replacement of bridges defined as structurally deficient and/or functionally obsolete according to federal definitions. This funding is used for bridges that are off the federal-aid system.

STBGP-PHILA (Surface Transportation Block Grant Program for the Philadelphia Urbanized Area with a population of 200,000 or more): STBGP funds for the “Philadelphia, PA-NJ-DE-MD” Urbanized Area, which makes up most of the DVRPC Local Program. Prior to the FY2018 NJ TIP, both STBGP-PHILA and STBGP-TRENTON were combined as “STBGP-STU” or “STP-STU” depending on the federal legislation.

STBGP-TRENTON (Surface Transportation Block Grant Program for the Philadelphia Urbanized Area with a population of 200,000 or more): STBGP funds for the “Trenton, NJ” Urbanized Area, which makes up a smaller part of the DVRPC Local Program. Prior to the FY2018 NJ TIP, both STBGP-PHILA and STBGP-TRENTON were combined as “STBGP-STU” or “STP-STU” depending on the federal legislation.

STP-TE (Surface Transportation Block Grant Program-Transportation Enhancement): Provides funding for pedestrian and bicycle infrastructure and safety programs, scenic and historic highway programs, landscaping and scenic beautification, historic preservation, environmental mitigation, rehabilitation of historic facilities related to transportation, renovated streetscapes, rail-trails and other transportation trails, transportation museums, and scenic and historic highway program visitor centers. STP-TE was incorporated into TAP in MAP-21. Funds may be flexed from the Highway Program via FHWA to the Transit Program.

TIGER (Transportation Investment Generating Economic Recovery) Discretionary Grants are special federal economic recovery funding used to spur a national competition for innovative, multimodal, and multijurisdictional transportation projects that promise significant economic and environmental benefits to an entire metropolitan area, a region, or the nation. See CTDG, DEMO, and BUILD. In 2018, the program became BUILD. In 2021, the program became RAISE.

TA (Transportation Alternatives Set-Aside): Consolidates funding from FHWA’s former Transportation Enhancements, Recreational Trails, and Safe Routes to School programs. MAP-21 eliminated the 10 percent set-aside under STP for “transportation enhancements” and replaced it with the “transportation alternatives” program. Provides funding for programs and projects defined as transportation alternatives, including on- and off-road pedestrian and bicycle facilities, infrastructure projects for improving non-driver access to public transportation and enhanced mobility, community improvement activities, and environmental mitigation; recreational trail program projects; safe routes to school projects; and projects for the planning, design or construction of boulevards and other roadways largely in the right-of-way of former Interstate System routes or other divided highways. A competitive process for selection of projects must take place. The fund code was previously designated as TAP and has been broken out by urbanized area (e.g., TA-PHILA, TA-TRENTON) like STBGP funds.

TA-PHILA (Surface Transportation Block Grant Programs Transportation Alternatives Set-Aside for the Philadelphia Urbanized Area with a population of 200,000 or more): STBGP TA Set-Aside funds for the “Philadelphia, PA-NJ-DE-MD” Urbanized Area.

TA-TRENTON (Surface Transportation Block Grant Programs Transportation Alternatives Set-Aside for the Trenton Urbanized Area with a population of 200,000 or more): STBGP TA Set-Aside funds for the “Trenton, NJ” Urbanized Area.

State Highway Funding Sources Abbreviations

STATE or TTF: The “STATE” or “TTF” category is used to show the disposition of funding received from the New Jersey Transportation Trust Fund.

STATE-DVRPC: Provides STATE funding from the TTF for use by DVRPC for locally sponsored projects. Various levels of STATE funds were appropriated by the New Jersey State Legislature between FY14 and FY18 because of the MPO exchange of program funds with NJ TRANSIT and NJDOT. In the current DVRPC TIP, two digits associated with this fund code indicate the year that STATE-DVRPC funds were appropriated by the state legislature (e.g., 18-STATE-DVRPC denotes STATE-DVRPC funds that were appropriated in FY18). See Appendix E for detailed information. In this document, STATE-DVRPC funds that expect encumbrance (“obligation” for state funds) in FY2024 or beyond are not counted in the program summary as they were previously appropriated by the state legislature.

Federal Transit Funding Sources Abbreviations

CMAQ (Congestion Mitigation and Air Quality): This federal-aid funding category was established under ISTEA to provide funding for projects that improve air quality and/or relieve congestion without adding new highway capacity. These funds are especially targeted for states like New Jersey, with serious air quality problems to help meet their Clean Air Act obligations.

FED OTHER (Federal Other): Used to denote unanticipated allocations of federal funds outside the regular apportionment process, so the funding source is not known.

MATCH: Local funds that are needed in order to receive a match in federal funding (Job Access and Reverse Commute (JARC) and SECT 5311).

NJ TURNPIKE: Funding from the NJ Turnpike Authority.

OPER (Operating): Fare-box generated revenue funds

OTHER: Represents funding provided from other sources, including but not limited to; bi-state and autonomous authorities, private entities, and local governments.

SECT 5307 (FTA Urbanized Area Formula Grants Program): Provides funding to a census-designated urbanized area of 50,000 people or more for the planning, engineering, design, and evaluation of transit projects and 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; and capital investments in new and existing fixed guideway systems, including rolling stock, overhaul and rebuilding of vehicles, track, signals, communications, and computer hardware and software.

SECT 5310 (FTA Enhanced Mobility of Seniors and Individuals with Disabilities Program): Provides funding for transportation services planned, designed, and implemented to support special transportation needs of seniors and individuals with disabilities in all areas.

SECT 5311 (FTA Non-Urbanized Rural Area Formula Program): Provides funding for rural public transportation programs and training and technical assistance to states and federally recognized Indian tribes with populations fewer than 50,000 according to the census.

SECT 5324 (FTA Public Transportation Emergency Relief Program): Provides funding for capital and operating expenses to protect, repair, replace, or reconstruct equipment and facilities in danger of failing or that have suffered serious damage in the event of an emergency, including natural disasters.

SECT 5326 (FTA TAM): Provides TAM and reporting requirements across FTA's grant programs to promote accountability.

SECT 5337 (FTA State of Good Repair Program): Provides funding for capital asset maintenance, rehabilitation, and replacement, as well as projects that implement Transit Asset Management (TAM) plans.

SECT 5339 (FTA Bus and Bus Facilities Program): Provides funding for capital projects that will replace, rehabilitate, and purchase buses, vans, and related equipment, and to construct bus-related facilities. This program also replaces the expired Alternative Analysis Program.

SECT 5340 (FTA States/High Density States Programs): Provides additional apportionment of funding to the Urbanized Area Formula and Rural Area Formula programs in MAP-21, as in authorizations prior to MAP-21.

State Transit Funding Sources Abbreviations

CASINO REVENUE: By state law, provides state transit funding from the annual allocation of 8.5 percent of the Casino Tax Fund appropriated for transportation services for senior and disabled persons.

Other Funding and Phase Abbreviations

Advance Construction (AC): Procedure to advance a federally funded project phase into the current FY and implement it with non-federal funds. The use of this procedure is subject to the availability of non-federal funds (e.g., state funds) in the year that the phase is to be implemented and the availability of federal funds in the year that the AC project is to be converted to a regular federal-aid project. AC projects are listed individually in the TIP in the year the project is to be implemented and the year conversion will take place.

DRPA: Delaware River Port Authority funds.

LOCAL, LOCAL-DVRPC, MATCH: Funding provided by counties, municipalities, or other non-federal sources to be used to match state or federal funds. LOCAL-DVRPC is revenue generated from the previous commuter benefit program (RideECO) that was previously administered by the DVRPC.

Multiyear Funding: Procedure to program and authorize only a portion of a given project phase that is necessary to support the reimbursement of planned cash outlays for a given year. The remaining portions of the project phase are programmed in subsequent years with the condition that federal authorization to proceed is not a commitment or obligation to provide federal funds for the portion that is not fully funded. If sufficient federal funding is not available in any fiscal year, NJDOT will take full responsibility to fund the remaining portion of that phase of work in accordance with federal and state law, or the project may be terminated or placed on hold until funding is available.

TBD: To be determined.