

# FY 2027 UPWP

## Unified Planning Work Program



## Chapter I Central Staff Activities

**Draft**



# UNIFIED PLANNING WORK PROGRAM

FY 2027

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# UNIFIED PLANNING WORK PROGRAM

FY 2027

## CHAPTER I - CENTRAL STAFF ACTIVITIES

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## INTRODUCTION

The North Jersey Transportation Planning Authority (NJTPA) Fiscal Year 2027 Unified Planning Work Program (UPWP) describes all transportation and related planning activities to be conducted by the NJTPA's Central Staff, its member agencies, and other transportation agencies in the northern and central New Jersey region during the fiscal year. These tasks were developed to meet federal requirements governing NJTPA's role as the Metropolitan Planning Organization (MPO) for the 13-county region. They seek to improve mobility, promote economic progress, make travel safer and more reliable, safeguard the environment and address other goals as directed by the NJTPA Board of Trustees and in keeping with the federally required long-range transportation plan (LRTP), [Connecting Communities](#).

During FY 2027, the NJTPA will undertake a variety of new initiatives, including consultant support for a Traffic Signal Asset Management project, Air Quality Conformity Determination and Regional Emissions Modeling, and an E-Commerce Delivery Mitigation effort. There will be a new round of technical assistance for subregional safety projects, and collaboration with NJIT to enhance the region's transportation modeling and support ongoing planning work will continue, among other things.

The UPWP work tasks, including descriptions of who will perform the work, the schedule, intended products, and proposed funding are organized into four chapters:

- Central Staff Program Activities (Chapter I)
- Subregional Planning Activities (Chapter II)
- Transportation Management Association Program (Chapter III)
- Other Regional Transportation Planning Initiatives (Chapter IV)

This introduction provides background and context for tasks in the UPWP and is broken into four sections:

- NJTPA Planning in the UPWP — summarizes NJTPA planning responsibilities and how they align with state and federal priorities and goals
- Chapter Summaries — provides a brief description and highlights for each chapter
- FY 2027 Work Program Budget

### NJTPA Planning in the UPWP

The NJTPA Board of Trustees is composed of elected officials from the region's 13 counties (Bergen, Essex, Hudson, Hunterdon, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union and Warren) and two largest cities (Jersey City and Newark), which are known collectively as the NJTPA's "subregions," as well as representatives of the Governor's Office, the transportation operating agencies (NJDOT, NJ TRANSIT and the Port Authority of New York &

New Jersey) and a citizens' representative. Further information on the NJTPA, its planning activities and guiding legislation is available at [www.njtpa.org](http://www.njtpa.org).

Tasks in the FY 2027 UPWP are intended to fulfill the six core functions mandated of MPOs in the federal Infrastructure Investment and Jobs Act (IIJA) and its predecessor legislation:

1. ***Establish a setting for effective decision-making*** regarding transportation needs and priorities. This function is supported primarily through standing committees — Planning and Economic Development Committee, Project Prioritization Committee, Freight Initiatives Committee and Regional Transportation Advisory Committee (composed of subregional planners and engineers) as well as through outreach to local officials, transportation stakeholders and the public.
2. ***Identify and evaluate transportation improvement options***. This is supported through data analysis, the congestion management process (CMP), corridor and other special studies, and through the application of general planning methods.
3. ***Prepare and maintain a Metropolitan Transportation Plan that has a 20+ year horizon***. The NJTPA Board of Trustees adopted the current LRTP, on September 8, 2025.
4. ***Develop a fiscally constrained Transportation Improvement Program (TIP)*** that identifies project priorities drawn from the LRTP. The NJTPA adopted the current FY 2026-2029 TIP on September 8, 2025. In FY 2027, staff will begin developing the FY 2028-2031 TIP.
5. ***Identify performance measure targets*** and monitor how implemented projects are serving those targets. The NJTPA has two main tasks in the FY 2027 UPWP that support this function: Performance Measures and Data and Performance Based Advancement.
6. ***Involve the public*** in efforts related to the core functions above.

Other tasks in the UPWP reflect NJTPA's involvement with and support for other transportation agencies and organizations. This includes coordination with the transportation planning and capital programming activities of the State, the region's public transportation providers and subregions; and regular consultation with MPOs and transportation agencies in neighboring states/regions on cross-border issues and shared concerns.

As described below, many tasks in the UPWP support work related to the Federal Planning Factors established in federal law, along with the related state goals planning priorities.

## **Federal Planning Factors**

Under federal law, MPOs are required to conduct "continuous, cooperative, and comprehensive" transportation planning (called the 3C process). As part of this requirement, each project, strategy, and service of the MPO must provide for consideration and implementation of the [Federal Planning Factors](#). Three-quarters of the work tasks in the FY 2027 UPWP consist of activities

mandated under federal law for MPOs. In addition, this work program fully reflects all relevant federal planning factors.

The metropolitan planning rules also specify several other elements that should be addressed in the scope of the planning process. They call for increased integration of transportation and land use planning, as well as consideration of employment and housing patterns, community and economic development, and the natural and built environment. Other elements identified in the rules focus on ensuring coordination and consistency with:

- The statewide planning process
- Intelligent Transportation Systems (ITS) architectures
- Coordinated Public Transit Human Services Transportation Plans (CPTHSTPs)
- The state’s Strategic Highway Safety Plan (SHSP), and transit safety and security plans and programs
- The cooperative development of a CMP involving adjacent MPOs and NJDOT

### **NJDOT Statewide Planning Priorities**

NJDOT provides the NJTPA with annual Statewide Planning Priorities to help shape tasks in the UPWP. Among the priorities addressed in this work program are Interagency coordination, safety planning, congestion mitigation and air quality, freight planning, emerging technologies, active transportation planning, and outreach, access and engagement.

### **NJTPA Planning Goals**

*Connecting Communities* includes [seven planning goals](#) that guided the development of UPWP tasks. This includes ensuring the transportation system meets the needs of all communities; improving safety; enhancing accessibility, efficiency, connectivity, and reliability; improving resiliency; coordinating land use and transportation; maintaining a state of good repair; and increasing the region’s economic activity, sustainability, and competitiveness.

### **Planning Factors and Other Requirements**

The tasks identified within the FY 2027 UPWP are consistent with the Planning Factors, state planning priorities and *Connecting Communities* goals. They are intended to facilitate the effective and efficient implementation of the LRTP and the TIP.

The draft FY 2027 UPWP was posted on the NJTPA website for review by the NJTPA Board, standing committees and the public. The public has an opportunity to comment at committee meetings and through communications with the NJTPA, in keeping with the agency’s Public Engagement Plan.

## Chapter Summaries

### Chapter I - Central Staff Program Activities

Chapter I of the UPWP outlines the extensive and varied work of the NJTPA's Central Staff. For each task, the UPWP categorizes task activities as continuing long-term, continuing short-term or new and identifies associated products.

Highlights of new Central Staff activities, including new consultant-supported activities, that will be initiated in FY 2027 are provided below. Details of continuing consultant-supported projects funded in prior fiscal year UPWPs that will still be active and managed by Central Staff during FY 2027 are noted in Table C of the introduction's Work Program Budget section. Further details of these continuing activities can be found on the NJTPA's UPWP webpage at <https://www.njtpa.org/upwp>.

#### UNIFIED PLANNING WORK PROGRAM

**UPWP WP101** - The NJTPA's Finance and Administration will implement a grant management training program for Central Staff and subrecipient partners who manage the pass-through programs. The training will seek to provide basic training on the administration of federally funded grants, to increase awareness and transparency in the management of federal programs.

**UPWP WP101** - Facilitate the evaluation, development, documentation and maintenance of agency-wide key processes and procedures.

#### SYSTEMS PLANNING, MODELING AND DATA

**FY 2027 NJTPA Travel Model Applications SP202** – The NJTPA's regional transportation model (NJRTM-E) is an essential tool for regional, state, and subregional planning analyses. This task, a continued collaboration with the NJIT Department of Civil and Environmental Engineering, will apply the NJRTM-E and new modeling tools to support planning work and research ways to enhance the model's use for novel scenarios.

**FY 2027 Air Quality Conformity Determination and Regional Emissions Modeling SP205** – The NJTPA will undertake an air quality conformity analysis in the FY 2028 TIP and LRTP. The central purpose of this task will be to estimate the emissions of mobile source criterion-pollutants in the NJTPA's non-attainment and maintenance areas from the regional transportation network using the U.S. Environmental Protection Agency's (EPA) Motor Vehicle Emission Simulator (MOVES5) model.

**Traffic Signal Asset Management Pilot SP207** - Following the Traffic Signals Strategic Investment Framework, the NJTPA will have a methodology framework aligned with planning goals, and

local agency needs. Phase 2 of this effort will leverage the framework for a small number of piloting subregions (2-3) to develop an asset management product. The product will be constructed with consultant support, and in conjunction with the intended end-users (county and municipal engineers and planners), and populated with data for the piloting sub-regions.

## **REGIONAL PLANNING**

*FY 2027 Vibrant Communities Initiative RP307* – The NJTPA will continue the Vibrant Communities Initiative with technical support from the Voorhees Transportation Center (VTC) at Rutgers University to advance the vision for the region. VTC will support the NJTPA in organizing and producing forums, conducting research/knowledge-building activities and administering the Vibrant Places Program.

*Dayton Neighborhood Transit Redevelopment RP307* – This effort continues the support of the ongoing planning and development of the Dayton Neighborhood of the City of Newark anticipating the expansion of the Newark Liberty International Airport Train Station. This subrecipient supported effort will be conducted by NJIT Hillier School of Architecture. Scope will include on-going outreach, support of a community advisory panel, and coordination with the City of Newark as it advances redevelopment planning. Special focus will include transportation modeling as well as brownfields and resilience assessments.

## **FREIGHT PLANNING**

*E-Commerce Delivery Mitigation FP401* – The continuing growth in e-commerce deliveries has resulted in increased demands on local streets and curb space. This effort will clearly define these impacts based on place type. It will research effective strategies to address these new demands. It will then develop and advance a micro distribution hub concept. It will identify appropriate location(s), core participants, their roles and responsibilities and a sequence of steps to complete for a successful implementation. This subrecipient supported effort will be conducted by NJIT and The City College of New York.

## **CAPITAL PROGRAMMING**

*Development of the draft FY 2028-2031 TIP CP501* – Develop and adopt the bi-annual TIP and appendices; this includes developing the project pool with partner agency and subregional input, ranking new projects in accordance with the project prioritization and scoring process guidelines, negotiating the draft Transportation Capital Program (TCP), assessing and reporting system performance as per recommendations of the Federal Certification Review, engaging the public in the TIP development process, preparing and distributing the TIP documents for review, and preparing the Study and Development (S&D) Program.

*Coordinate with IT department CP501* – Coordinate with the IT department to migrate TIP archival data from Microsoft Access to SQL Server.

## LOCAL PROJECT DEVELOPMENT

*FY 2027 Subregional Assistance with Studies & Analyses LP602* – Additional funding for FY 2026 Subregional Assistance with Studies & Analyses Program (formerly Local Safety Program Studies & Analyses Technical Assistance) project to use the most current data to develop a Network Screening list specific to each subregion.

*FY 2027 SSEAP LP602* – Subregional Safety Engineering Assistance Program (formerly Local Safety Engineering Assistance Program) provides design assistance in the development of plan specifications and estimates for twelve projects in the FY 2025 SSIP/HRRRP program.

## PUBLIC AND EXTERNAL AFFAIRS

*Public Involvement/Outreach PA701* – Central Staff will be launching a podcast as a new communication tool to support engagement and highlight the innovative planning, meaningful investments, and regional collaboration that drive the NJTPA’s mission. The podcast will provide clear, accessible information about NJTPA’s activities, programs, and studies, and will share perspectives from the agency’s subregions on issues affecting mobility, safety, and infrastructure across the region. This effort is intended to enhance public understanding of the NJTPA’s role and to offer an additional avenue for sharing updates on planning initiatives and regional priorities.

*FY 2027 Innovative Public Engagement PA701* – The NJTPA will conduct innovative public outreach for the Active Transportation Plan Refinement with technical support from Rutgers VTC. This effort will involve a final report and includes specialized engagement of the UpNext North Jersey advisory group, ensuring essential participation of young adults in the plan’s development.

## INFORMATION TECHNOLOGY

*Network Development, Administration and Security IS801* – IT services and infrastructure will be continuously developed and managed with a strategic focus on NJTPA security, communication, and collaboration tools. Additionally, the IT technology budget, governance frameworks, and compliance processes will be developed and administered.

*Application Development, Administration, and Support IS802* – Programming solutions and software tools for Central Staff, subregions, and partner agencies will be maintained and further developed with an emphasis on advanced reporting, data analytics, communication capabilities, and efficiency in workflow. This includes ongoing support and enhancement of the project-tracking and scoring applications for NJTPA’s Transportation Improvement Program, as well as multiple components of the agency’s enterprise UPWP grant management system. SAP support services will focus on improving data integration between NJTPA’s ERP systems and the new

NJIT platform to ensure faster, more reliable access to critical information. The project will also enhance system capabilities to provide complete contract visibility, strengthening grant administration and project oversight. In addition, the consultant will help NJTPA develop meaningful performance metrics and executive dashboards, giving leadership clear, actionable insights to guide operational decisions and monitor project progress.

## **PREVIOUS WORK**

This UPWP is, for the most part, the extension and continuation of past transportation planning work in the region. In some cases, the work is part of an ongoing and/or mandated process, such as support for the various NJTPA standing committees, traffic data collection, model maintenance, air quality conformity determination, or TIP and LRTP maintenance. In other cases, it is a specific project or task with definable start and end points, as with the development of a CMP, completion of a corridor study, and specific tasks to address federal and/or state planning Priorities, emphasis areas, and goals and the NJTPA's long range transportation planning goals. In preparing the UPWP, the status of all ongoing and carryover work was evaluated, including consideration of NJDOT and FHWA comments.

## **Chapter II - Subregional Planning**

Chapter II describes the federally funded planning and project development work conducted through the Subregional Pass-Through Programs to support regional transportation planning and project development. Approximately 16 percent of the NJTPA's federal allocation for the FY 2027 UPWP will be passed through or used to support this local planning work over the next two fiscal years. This also includes several Central Staff projects outlined in Chapter I that provide direct support to local agencies.

Chapter II describes the Subregional Transportation Planning (STP) Program, which provides formula-based funding to each member subregion for essential transportation-related planning, programming, and administrative activities that support the NJTPA's regional transportation planning efforts. The NJTPA subregions are vital partners of Central Staff in conducting critical planning work and in facilitating public participation and input on key issues. The STP program addresses federal, state, and regional priorities.

Chapter II also contains details on the Subregional Studies Program (SSP), a competitive grant program that provides federal funds for planning studies conducted by the subregions. Each year the NJTPA selects candidate proposals for two-year studies that refine and develop transportation improvement strategies to address regional mobility and accessibility issues. Two subregional studies initiated in previous years will continue in FY 2027 and two new studies have been selected for funding: the Hudson County School Zone Safety Study and the Monmouth County CPTHSTP.

## **Chapter III - Transportation Management Association (TMA)**

Chapter III contains the Transportation Management Association (TMA) work program. The NJTPA manages this work program, which guides the activities of TMAs throughout New Jersey in their support of statewide transportation demand management activities. This includes encouraging and enabling commuters and other travelers to make choices other than driving alone, including taking transit, riding together, biking, or walking; promoting and supporting non-auto travel to employers; sharing information about construction and events that cause travel disruptions; and educating the public about air quality and EVs.

In addition, during FY 2027 TMAs will participate in safety-related programs including Complete Streets implementation, speed studies, and walk/bike audits, which provide equitable access to mobility so that every person in the NJTPA region is able to get to where they need to go. The TMAs will also engage in public outreach and education related to accessibility, economic development, the environment, safety, and coordinated public transportation for vulnerable populations, and will continue to pursue a variety of efforts to enhance transportation for older adults, low-income people, veterans, and individuals with disabilities in keeping with the regional CPTHSTP.

## **Chapter IV - Other Regional Transportation Planning Initiatives**

Chapter IV discusses other regional transportation partnerships and includes a placeholder for the next S&D Program, which is a schedule of project planning and development work resulting from the metropolitan transportation planning process. Project concepts emerging from this process may be eligible for inclusion in the TIP.

Chapter IV also provides a description of all regional non-NJTPA-funded transportation and transportation-related planning work or activities (including transportation-related air quality planning), regardless of funding source. It includes related work by NJDOT, NJ TRANSIT, the New Jersey Turnpike Authority, and the Port Authority, among others.

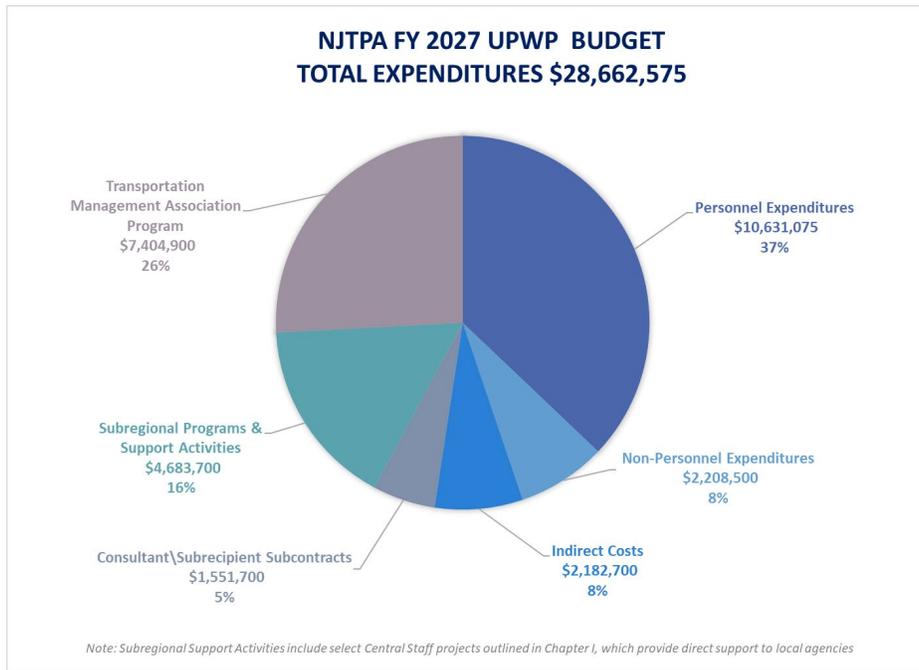
### **FY 2027 Work Program Budget**

Traditionally, funding for MPO activities has been provided by the USDOT, specifically FHWA and FTA. This funding includes FHWA Metropolitan Planning Program (PL) funds, FTA Section 5303/5305(d) Metropolitan Planning funds flexed to FHWA, and FHWA Surface Transportation Block Grant Program (STBGP) funds.

The total budget for the NJTPA's FY 2027 work program (not including consultant activities and subcontracts continuing from prior UPWPs and capital projects funded through separate federal agreements for the Subregional Safety Improvement Program) is \$28,662,575. Figures 1 and 2 show the breakdown of the budget by expenditures and anticipated revenues. Table A shows the budget by program area and task activity. Table B provides a list of the new FY 2027 contractual

projects (consultant supported, subrecipients, and pass-through programs), Table C provides a list of consultant projects and subcontracts continuing from prior UPWPs, and Table D provides a summary of new and continuing capital projects administered through the NJTPA Subregional Safety Improvement Program. Further details of the budget are provided in the FY 2027 UPWP Budget Book.

*Figure 1 - FY 2027 UPWP Expenditures*



*Figure 2 - FY 2027 UPWP Revenues*

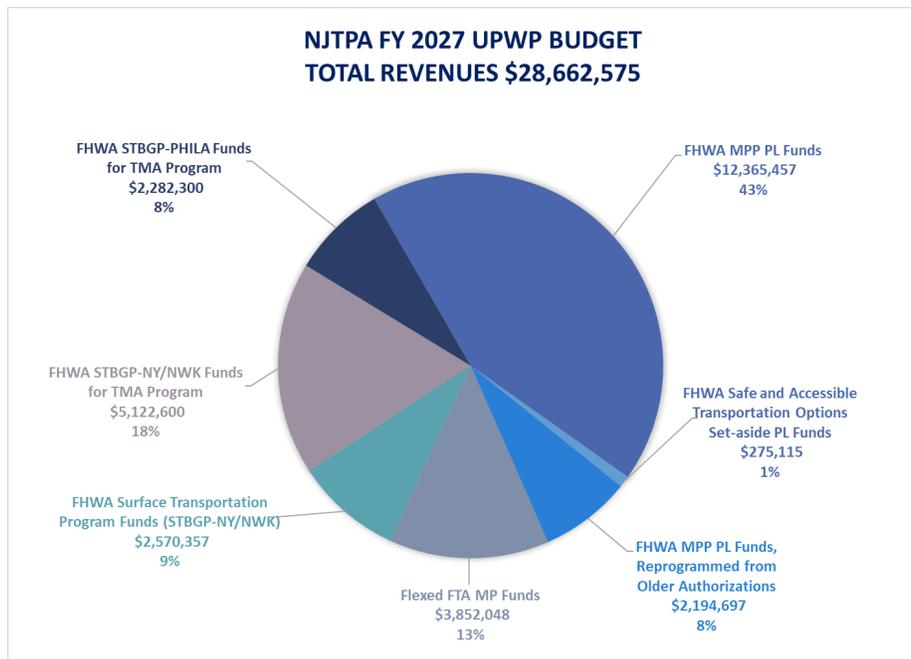


Table A

**NJTPA FY 2027 UPWP Budget  
Summary of Costs by Program Area and Tasks - Expenditures**

Program Area	Task ID	Task Activity	FTE	Expenses					Total
				Personnel Expenditures	Non-Personnel Expenditures	Indirect Costs	Contractual		
<b>UNIFIED PLANNING WORK PROGRAM</b>	WP101	UPWP ADMINISTRATION	6.3	\$ 1,004,534	\$ 208,682	\$ 206,244	\$ -	\$ -	1,419,460
	WP102	GRANTS AND CONTRACTS ADMINISTRATION	4.6	\$ 759,596	\$ 157,799	\$ 155,955	\$ -	\$ -	1,073,350
<b>SYSTEMS PLANNING, MODELING AND DATA</b>	SP201	PERFORMANCE MEASURES AND DATA	1.4	\$ 245,824	\$ 51,067	\$ 50,471	\$ -	\$ -	347,362
	SP202	MODELING AND FORECASTING	2.3	\$ 323,480	\$ 67,200	\$ 66,415	\$ 150,200	\$ -	607,294
	SP203	CONGESTION MANAGEMENT PROCESS	1.7	\$ 243,925	\$ 50,673	\$ 50,081	\$ -	\$ -	344,679
	SP204	PERFORMANCE BASED ADVANCEMENT	1.3	\$ 217,336	\$ 45,149	\$ 44,622	\$ -	\$ -	307,107
	SP205	AIR QUALITY PLANNING AND CONFORMITY ANALYSIS	1.5	\$ 263,515	\$ 54,743	\$ 54,103	\$ 550,600	\$ -	922,961
	SP206	GIS, DATA RESOURCES AND PLANNING TOOLS	2.1	\$ 293,620	\$ 60,997	\$ 60,284	\$ -	\$ -	414,901
	SP207	TRANSPORTATION TECHNOLOGY AND OPERATIONS PLANNING	1.3	\$ 216,975	\$ 45,074	\$ 44,548	\$ 600,600	\$ -	907,197
<b>REGIONAL PLANNING</b>	RP301	LONG RANGE PLANNING	0.9	\$ 130,020	\$ 27,010	\$ 26,695	\$ -	\$ -	183,725
	RP302	PLANNING STUDIES	1.7	\$ 229,680	\$ 47,714	\$ 47,156	\$ -	\$ -	324,550
	RP303	SAFETY PLANNING	1.5	\$ 205,605	\$ 42,712	\$ 42,213	\$ -	\$ -	290,531
	RP304	SUBREGIONAL PASS THROUGH PROGRAMS	1.9	\$ 264,570	\$ 54,962	\$ 54,320	\$ 3,407,300	\$ -	3,781,151
	RP305	MOBILITY PROGRAMS	1.4	\$ 208,950	\$ 43,407	\$ 42,900	\$ 7,404,900	\$ -	7,700,157
	RP306	ENVIRONMENTAL POLLUTION MITIGATION AND RESILIENCE	2.1	\$ 295,730	\$ 61,435	\$ 60,717	\$ -	\$ -	417,882
	RP307	LIVABLE COMMUNITIES PLANNING	2.5	\$ 408,140	\$ 84,787	\$ 83,797	\$ 375,500	\$ -	952,224
<b>FREIGHT PLANNING</b>	FP401	FREIGHT PLANNING AND COORDINATION	2.9	\$ 500,643	\$ 104,004	\$ 102,789	\$ 350,400	\$ -	1,057,835
<b>CAPITAL PROGRAMMING</b>	CP501	TRANSPORTATION IMPROVEMENT PROGRAM	4.3	\$ 721,962	\$ 149,980	\$ 148,228	\$ -	\$ -	1,020,171
<b>LOCAL PROJECT DEVELOPMENT</b>	LP601	LOCAL CAPITAL PROJECT DELIVERY PROGRAM	2.3	\$ 400,236	\$ 83,145	\$ 82,174	\$ -	\$ -	565,555
	LP602	LOCAL SAFETY PROGRAMS	4.1	\$ 659,896	\$ 137,087	\$ 135,485	\$ 300,300	\$ -	1,232,768
	LP603	TRANSPORTATION ALTERNATIVES AND SAFE ROUTES TO SCHOOL	0.5	\$ 85,424	\$ 17,746	\$ 17,539	\$ -	\$ -	120,709
<b>PUBLIC AND EXTERNAL AFFAIRS</b>	PA701	PUBLIC INVOLVEMENT/OUTREACH	8.0	\$ 1,110,450	\$ 230,685	\$ 227,990	\$ 100,100	\$ -	1,669,225
	PA702	COMMITTEE SUPPORT	2.3	\$ 437,157	\$ 90,815	\$ 89,754	\$ -	\$ -	617,726
	PA703	INTERAGENCY COLLABORATION AND EXTERNAL AFFAIRS	1.2	\$ 281,767	\$ 58,534	\$ 57,850	\$ -	\$ -	398,152
<b>INFORMATION SYSTEMS</b>	IS801	INFORMATION SYSTEMS SUPPORT AND DEVELOPMENT	2.6	\$ 464,130	\$ 96,418	\$ 95,292	\$ -	\$ -	655,840
	IS802	APPLICATIONS, SOFTWARE, AND DATABASE DEVELOPMENT	2.9	\$ 657,910	\$ 136,674	\$ 135,078	\$ 400,400	\$ -	1,330,062
<b>Total</b>			<b>65.2</b>	<b>\$ 10,631,075</b>	<b>\$ 2,208,500</b>	<b>\$ 2,182,700</b>	<b>\$ 13,640,300</b>	<b>\$ -</b>	<b>28,662,575</b>

Table B

**NJTPA FY 2027 UPWP Budget  
New Contractual/Consultant Projects**

**NEW FY 2027 UPWP Projects - Task Order PL-NJ-27-01**

Task ID	Task Activity	Budget Line Item	Contract Budget	Total Project Budget <sup>1</sup>	Effective Funding Period
<b>FY 2027 Consultant\Subrecipient Subcontracts (Chapter I)</b>					
SP202.004.27	FY 2027 NJTPA Travel Model Applications	Subrecipient	\$ 150,000	\$ 150,200	7/1/26-6/30/27
SP205.001.27	FY 2027 Air Quality Conformity Determination and Regional Emissions Modeling	Consultant	\$ 550,000	\$ 550,600	7/1/26-6/30/29
SP207.003.27	Traffic Signal Asset Management Pilot	Consultant	\$ 600,000	\$ 600,600	7/1/26-6/30/29
RP307.002.27	FY 2027 Vibrant Communities Initiative	Subrecipient	\$ 225,000	\$ 225,300	7/1/26-6/30/27
RP307.008.27	Dayton Neighborhood Transit Redevelopment	Subrecipient	\$ 150,000	\$ 150,200	7/1/26-6/30/28
FP401.004.27	E-Commerce Delivery Mitigation	Subrecipient	\$ 350,000	\$ 350,400	7/1/26-6/30/28
LP602.002.27	FY 2027 Subregional Assistance with Studies & Analyses	Consultant	\$ 300,000	\$ 300,300	7/1/26-6/30/28
PA701.001.27	FY 2027 Innovative Public Engagement	Subrecipient	\$ 100,000	\$ 100,100	7/1/26-6/30/27
IS802.001.27	FY 2027 SAP Support Services	Consultant	\$ 400,000	\$ 400,400	7/1/26-6/30/28
<b>Subtotal - Consultant\Subrecipient Subcontracts</b>			<b>\$ 2,825,000</b>	<b>\$ 2,828,100</b>	
<b>FY 2027 Subregional Transportation Planning Program (Chapter II)</b>					
RP304.001.27.01	Bergen County FY 2027 STP Program	Pass-Through Program	\$ 262,705.00	\$ 262,969	7/1/26 -6/30/27
RP304.001.27.02	Essex County FY 2027 STP Program	Pass-Through Program	\$ 181,207.50	\$ 181,390	7/1/26 -6/30/27
RP304.001.27.03	Hudson County FY 2027 STP Program	Pass-Through Program	\$ 156,620.00	\$ 156,778	7/1/26 -6/30/27
RP304.001.27.04	Hunterdon County FY 2027 STP Program	Pass-Through Program	\$ 103,762.50	\$ 103,867	7/1/26 -6/30/27
RP304.001.27.05	Jersey City FY 2027 STP Program	Pass-Through Program	\$ 128,162.50	\$ 128,291	7/1/26 -6/30/27
RP304.001.27.06	Middlesex County FY 2027 STP Program	Pass-Through Program	\$ 243,213.75	\$ 243,459	7/1/26 -6/30/27
RP304.001.27.07	Monmouth County FY 2027 STP Program	Pass-Through Program	\$ 206,487.50	\$ 206,695	7/1/26 -6/30/27
RP304.001.27.08	Morris County FY 2027 STP Program	Pass-Through Program	\$ 178,228.75	\$ 178,408	7/1/26 -6/30/27
RP304.001.27.09	Newark FY 2027 STP Program	Pass-Through Program	\$ 134,208.75	\$ 134,344	7/1/26 -6/30/27
RP304.001.27.10	Ocean County FY 2027 STP Program	Pass-Through Program	\$ 195,476.25	\$ 195,673	7/1/26 -6/30/27
RP304.001.27.11	Passaic County FY 2027 STP Program	Pass-Through Program	\$ 180,060.00	\$ 180,241	7/1/26 -6/30/27
RP304.001.27.12	Somerset County FY 2027 STP Program	Pass-Through Program	\$ 143,682.50	\$ 143,827	7/1/26 -6/30/27
RP304.001.27.13	Sussex County FY 2027 STP Program	Pass-Through Program	\$ 108,042.50	\$ 108,151	7/1/26 -6/30/27
RP304.001.27.14	Union County FY 2027 STP Program	Pass-Through Program	\$ 187,277.50	\$ 187,466	7/1/26 -6/30/27
RP304.001.27.15	Warren County FY 2027 STP Program	Pass-Through Program	\$ 99,740.00	\$ 99,840	7/1/26 -6/30/27
<b>Subtotal - Subregional Transportation Planning Program</b>			<b>\$ 2,508,875.00</b>	<b>\$ 2,511,400</b>	<b>\$ 2,525</b>
<b>FY 2027 - FY 2028 Subregional Studies Program (Chapter II)</b>					
RP304.003.27.01	Hudson County School Zone Safety Study	Pass-Through Program	\$ 420,000	\$ 420,400	7/1/26 -6/30/28
RP304.003.27.02	Monmouth County Coordinated Public Transit Human Services Transportation Plan	Pass-Through Program	\$ 475,000	\$ 475,500	7/1/26 -6/30/28
<b>Subtotal - Subregional Studies Program</b>			<b>\$ 895,000</b>	<b>\$ 895,900</b>	
<b>FY 2027 Transportation Management Association Program (Chapter III)</b>					
RP305.001.27.01	Avenues in Motion FY 2027 TMA Program	Pass-Through Program	\$ 1,098,250	\$ 1,099,300	7/1/26 -6/30/27
RP305.001.27.02	Cross County Connection FY 2027 TMA Program	Pass-Through Program	\$ 1,276,002	\$ 1,277,300	7/1/26 -6/30/27
RP305.001.27.03	EZRide FY 2027 TMA Program	Pass-Through Program	\$ 1,615,750	\$ 1,617,400	7/1/26 -6/30/27
RP305.001.27.04	goHunterdon FY 2027 TMA Program	Pass-Through Program	\$ 529,000	\$ 529,500	7/1/26 -6/30/27
RP305.001.27.05	Greater Mercer FY 2027 TMA Program	Pass-Through Program	\$ 1,003,998	\$ 1,005,000	7/1/26 -6/30/27
RP305.001.27.06	Hudson FY 2027 TMA Program	Pass-Through Program	\$ 598,000	\$ 598,600	7/1/26 -6/30/27
RP305.001.27.07	Keep Middlesex Moving FY 2027 TMA Program	Pass-Through Program	\$ 713,000	\$ 713,700	7/1/26 -6/30/27
RP305.001.27.08	RideWise TMA FY 2027 Program	Pass-Through Program	\$ 563,500	\$ 564,100	7/1/26 -6/30/27
<b>Subtotal - TMA Programs</b>			<b>\$ 7,397,500</b>	<b>\$ 7,404,900</b>	
<b>Total</b>			<b>\$ 13,626,375</b>	<b>\$ 13,640,300</b>	

Table C

NJTPA FY 2027 UPWP Budget				
Funding Authorized in Prior Fiscal Years for Continuing UPWP Projects				
Continuing Consultant/Contractual Projects	Task No.	Budget	Effective Funding Period	NJDOT Task Order No.
<u>FY 2026 Work Program</u>				
FY 2026 UPWP, Central Staff Consultant Activities (Chapter I)				
Active Transportation Plan Refinement	RP302.001.26	\$ 401,000.00	7/1/25-6/30/27	PL-NJ-26-01
Safe Streets and Roads for All Advancement Program	RP303.002.26	\$ 350,900.00	7/1/25-6/30/27	PL-NJ-26-01
FY 2026 Planning for Emerging Centers	RP307.001.26	\$ 551,400.00	7/1/25-6/30/27	PL-NJ-26-01
FY 2026 Complete Streets Technical Assistance	RP307.003.26	\$ 240,600.00	7/1/25-6/30/27	PL-NJ-26-01
FY 2026 Local Concept Development Studies	LP601.001.26	\$ 4,010,000.00	7/1/25-6/30/28	PL-NJ-26-01
FY 2026 Subregional Assistance with Studies & Analyses (formerly LSP Studies & Analyses Technical Assistance)	LP602.002.26	\$ 1,704,300.00	7/1/25-6/30/28	PL-NJ-26-01
FY 2026 UPWP Management System Support	IS802.001.26	\$ 381,000.00	7/1/25-6/30/27	PL-NJ-26-01
FY 2026 - FY 2027 Subregional Studies Program (Chapter II)				
Middlesex County Transportation and Mobility Plan	RP304.003.26.01	\$ 401,000	7/1/25-6/30/27	PL-NJ-26-01
Passaic County Urban Core Trucking Study	RP304.003.26.02	\$ 416,000	7/1/25-6/30/27	PL-NJ-26-01
<b>Total: FY 2026 UPWP Contractual Activities</b>		<b>\$ 8,456,200</b>		
<u>FY 2025 Work Program</u>				
FY 2025 UPWP, Central Staff Consultant Activities (Chapter I)				
FY 2025 Air Quality Conformity Determination and Regional Emissions Modeling	SP205.001.25	\$ 702,000	7/1/24-6/30/27	PL-NJ-25-01
FY 2025 Complete Streets Conceptualization Pilot	RP307.005.25	\$ 501,000	7/1/24-6/30/27	PL-NJ-25-01
FY 2025 Freight Concept Development Studies	FP401.001.25	\$ 1,504,000	7/1/24-6/30/27	PL-NJ-25-01
Safety Assessments and Pedestrian Count Update	LP602.003.25	\$ 1,003,000	7/1/24-6/30/27	PL-NJ-25-01
Website Platform Upgrade	PA701.003.25	\$ 300,000	10/1/24-6/30/27	PL-NJ-25-01
<b>Total: FY 2025 UPWP Contractual Activities</b>		<b>\$ 4,010,000</b>		
<b>Total: Continuing Projects</b>		<b>\$ 12,466,200</b>		

**Table D**

**NJTPA FY 2027 Subregional Safety Improvement Program  
Summary of Capital Projects**

<b>NJTPA Subregional Safety Improvement Program, Capital Projects</b>	<b>Program Budget</b>
FHWA STBGP Funds - FY 2027 Subregional Engineering Assistance Program (STIP DB# 04314)	\$ 15,500,000
FHWA HSIP Funds - FY 2026 Pilot Safety Improvements at Trail Crossings (STIP DB# 04314)	\$ 600,000
FHWA HSIP Funds - FY 2024 Local Safety Engineering Assistance Program (STIP DB# 04314)	\$ 17,564,636
FHWA HSIP Funds - FY 2020 Local Safety Engineering Assistance Program (STIP DB# 04314)	\$ 14,122,787
FHWA HSIP Funds - FY 2018 Local Safety Engineering Assistance Program (STIP DB# 04314)	\$ 11,189,359
FHWA HSIP Funds - FY 2016-2017 Local Safety Engineering Assistance Program (STIP DB# 04314)	\$ 8,419,833

**Notes:**

- (1) Although Central Staff administers and supports the NJTPA Subregional Safety Improvement Program and conducts safety planning initiatives through the UPWP, funding authorizations for consultant supported capital projects (preliminary engineering and final design phases of work) are issued through separate federal grant awards that follow different authorization requirements and schedules and, therefore, are not included in the UPWP Budget.
- (2) Further details of the NJTPA Subregional Safety Improvement Program (formerly the Local Safety Program ) and its capital projects authorized under this program can be found in Chapter I of the UPWP, under Task LP602, and on the NJTPA's UPWP webpage at <https://www.njtpa.org/localsafety.aspx>.
- (3) Budget for the HSIP FY 2024 LSEAP includes current authorizations for PE.
- (4) Budget for the HSIP FY 2020 LSEAP includes current authorizations for PE and FD (3 projects have advanced to FD: PL-NJ-22-02, PL-NJ-22-03, and PL-NJ-22-04).
- (5) Budget for the HSIP FY 2018 LSEAP includes current authorizations for PE and FD (6 projects have advanced to FD: PL-NJ-19-04, PL-NJ-19-05, PL-NJ-19-06, PL-NJ-19-07, PL-NJ-19-09, and NJ-PL-19-12).
- (6) Budget for the HSIP FY 2017 LSEAP includes current authorizations for PE and FD.

# Unified Planning Work Program

## **Task WP101 UPWP ADMINISTRATION**

*Task Leader:* Angellita Young

### *Goals*

The goal of this task is to develop a metropolitan transportation planning processes that meets the requirements of 23 USC 134 and 23 CFR 450.334, and is successfully certified by the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA). In addition, this task is to provide timely and efficient support and execution of daily activities of Central Staff in compliance with the federal funding agreements and NJDOT Task Orders, and to ensure that the back-office processes of the agency are run seamlessly. This task also provides for a comprehensive and effective financial and programmatic work plan for implementation of the Long Range Transportation Plan (LRTP) and Transportation Improvement Program (TIP), which responds to the FHWA/FTA requirements.

This task will ensure that the NJTPA as a subrecipient of federal funds through the New Jersey Department of Transportation (NJDOT), has committed that, as a condition to receiving any federal assistance from the United States Department of Transportation (USDOT), it complies with all applicable federal and state rules and regulations, statutes, executive orders, and regulations pertaining to non-discrimination, ethics, and conflicts of interest.

### *Description*

This task provides administration, oversight, development, and maintenance of the UPWP and MPO Office administration. It provides for all the management and oversight of work program activities performed by Central Staff, while ensuring compliance with all applicable federal and state regulations. Additionally, this task encompasses a full range of internal activities necessary to sustain operations in conjunction with New Jersey Institute of Technology (NJIT) which serves as the host agency for the NJTPA and provides administrative support to the MPO. Activities include: maintenance of the MPO's basic agreement and task order agreements with NJDOT and UPWP reporting; personnel recruitment, salary and payroll administration, and preparation of performance evaluations; internal accounting, internal controls, and auditing, business process procedures, execution of purchasing agreements, accounts payable and receivables; monitoring of lease agreements, building maintenance contracts and office management; risk management and legal counsel; training and professional development; and management of the agency's various grant management systems, which includes an Enterprise Resource Planning (ERP) timekeeping and financial management system, and a pass-through program Cost Tracking System (CTS). This task provides for oversight of compliance with non-discrimination laws and regulations, and ethics and conflicts of interest.

### *Continuing Long-term Task Activities*

- Create, review and process purchase agreements/requests.
- Prepare and issue monthly/quarterly invoices and reports
- Execute UPWP modifications, task order agreements and task order modifications
- Establish and maintain NJTPA (NJIT) internal accounts in accordance with the approved UPWP budget.
- Maintain office space and ensure lease compliance.

- Submit bi-annual and final report. Close-out annual UPWP operating expenses and one-year contractual activities.
- Facilitate and assist auditors with annual UPWP audit.
- Identify and schedule training opportunities for Board members, Central Staff, and subregional staff members as appropriate.
- Perform personnel/payroll administration activities, staff performance evaluations, and recruit personnel for part-time positions and to fill full-time vacancies.
- Develop the annual UPWP work plan and budget
- Update the Title VI Implementation Plan and Assurances, as needed. Ensure all procurement processes and procedures include required Title VI provisions as applicable are included in solicitations, proposals, and contracts agreements.
- Maintain and report to NJDOT and FHWA on Title VI Complaints, as appropriate. Monitor subrecipients compliance with Title VI.

***New Task Activities***

- Facilitate the evaluation, development, documentation and maintenance of agency-wide key processes and procedures (ongoing)
- Implement grant management and compliance training program for project managers (ongoing)

***Key Deliverables***

- FY 2028 UPWP Work Program and Budget (March 2027)
- FY 2026 UPWP final report and invoices (September 2026)
- Monthly and quarterly, financial and programmatic progress reports for FHWA, FTA, NJDOT, and NJIT compliance
- Program specific annual audit for NJTPA’s UPWP (December 2026)
- List of agency key processes and procedures
- Updated Title VI Implementation Plan
- Updated Title VI Assurances

***Project Cost***

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
WP101	UPWP Administration	Central Staff	\$1,419,460

**Task WP102 GRANTS AND CONTRACTS ADMINISTRATION**

***Task Leader:*** Pamela Lewis

***Goals***

This task provides administration, oversight, and contract management of all agency third party (sub-recipient) consultant effort contracts and pass-through program grants to the NJTPA's 15 subregions and New Jersey's eight TMAs. It ensures that all pass-through program activities and all NJTPA consultant efforts adhere to established federal guidelines required for continued receipt of federal funding and support the LRTP.

### ***Description***

The NJTPA provides pass-through funding for many federally sponsored programs, including the Subregional Transportation Planning Program and the Subregional Studies Program (Chapter II), and the TMA Program (Chapter III), and is responsible for the contract management of third party (sub-recipient) contracting opportunities within the region, including joint planning efforts with universities, state colleges and NJ TRANSIT. This task includes pre-award desk audits to establish subrecipients' eligibility to receive federal grants, developing contractual agreements, providing accounting services to support contractual agreements, execution and procurement of planning grants, tracking of projects, and monitoring of subcontracts. This task ensures applicable subcontract compliance with OMB guidance for the administration of federal grants, including federal procurement, cost principles and audit requirements, as stipulated in 2 CFR 200. It also includes the development of grant administration and fiscal guidelines and budget policies, as well as assisting the NJTPA member agencies in consultant solicitations and selections. The contract administration function currently performed by Central Staff in coordination with NJIT's Grants and Contracts Office provides necessary administrative coordination with our subregional and TMA partners. In addition to its pass-through programs, the NJTPA contracts with third party vendors to provide support for planning studies managed by Central Staff. This task includes issuing requests for proposals for consultant supported projects, negotiating and developing contractual agreements, providing accounting services to support contractual agreements, issuing and ensuring the execution of contracts, tracking of project expenditures, providing administrative support, and ensuring compliance with all relevant federal and state regulations. It also includes assisting staff members in the development of budgets, the consultant selection process and acquiring NJTPA Board Member approvals.

### ***Continuing Long-term Task Activities***

- Perform annual pre-award desk audits of subrecipient grant and consultant contracts supporting documentation, including the review of single annual audits, budget plans, indirect costs statements and mandatory documentation in compliance with 2 CFR 200 and state regulations.
- Prepare and execute letters to incur costs and contracts between the subrecipients/consultants and the NJTPA/NJIT for all pass-through programs/agency consultant activities.
- Solicit proposals, facilitate and monitor proposal reviews, negotiate contract scope of work, budget, terms and conditions between NJIT, outside consultants, the subregions, and other sponsoring agencies.
- Execute and monitor subrecipient/contractual agreements, and issue purchase orders to subrecipients and consultant vendors.
- Review and monitor consultant/sub-recipient contract delivery progress, including schedules, budgets, modifications, expenditures, and conduct closeout for all agency contract agreements.

### ***Key Deliverables***

- Request for proposals (RFPs)
- Contract agreements and modifications for subrecipients and consultant vendors.
- Pre-award Desk Audits for subrecipients.

*Project Cost*

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
WP102	Grants and Contracts Administration	Central Staff	\$1,073,350

# **Systems Planning, Modeling and Data**

## Task SP201 PERFORMANCE MEASURES AND DATA

*Task Leader:* Keith Miller

### *Goals*

Continue and enhance the use of meaningful performance measures, targets, and reports within the NJTPA's planning processes, empowering planners and decision-makers with information, analysis, and tools to support informed decisions and focus resources wisely. Communicate about the NJTPA performance-based processes to support engagement of Board members, stakeholders and the public.

### *Description*

Performance measures and targets are critical components of the NJTPA's goal-oriented, data-driven planning process, and are used to find critical needs/issues, evaluate strategies to address needs, show the effectiveness of past efforts, and communicate to decision-makers, planning partners, and the public. The NJTPA uses a suite of performance measures related to the agency's planning goals, including federally required (national) and complementary (regional) performance measures. Additional project level (local) performance measures are included as warranted.

To inform decision-making, the NJTPA will use data, analytical tools, and reports to monitor performance measures, cooperatively develop benchmarks/targets that assess and support progress toward achieving national and regional goals, identify types of projects/programs to help address targets, evaluate progress toward meeting targets, and incorporate feedback to develop targets. The NJTPA Regional Capital Investment Strategy (RCIS) will continue to be incorporated into planning and programming products.

### *Continuing Long-term Task Activities*

- Collect and analyze data to track performance measures (PMs); research/develop/apply techniques for forecasting PMs, as available/appropriate. Maintain/enhance the NJTPA online PM dashboards, reports, fact sheets, and other techniques to assist the Board, staff, partner agencies, and the public in interpreting findings. Support use of PMs and targets in other NJTPA and partner efforts.
- Coordinate with partners to set PM targets (on national measures by dates required by regulations; on regional measures as appropriate). Report on progress toward meeting targets. Coordinate with partners/stakeholders to identify additional regional/local PMs.
- Update and continue to enhance the TIP appendix that discusses PMs, targets, and the anticipated impacts of TIP projects and programs.
- Develop/update the NJTPA CMAQ Performance Plan, in coordination with Task 205.
- Research emerging data sources. Develop new PMs (as appropriate) and apply new and existing data in regional and partner agency analysis. Develop creative ways to communicate technical work, including dashboards, web portals, publications, and other communication and education materials.
- In conjunction with Tasks 202 and 203, support forecasting of PMs as practical.
- Maintain and enhance the RCIS and RCIS website, reviewing connections to national, regional, and local performance measures and the state capital investment strategy as appropriate.
- Coordinate and update r NJTPA web pages and social media postings related to Systems Planning tasks.

**Key Deliverables**

- Board action on targets for national performance measures: roadway safety (development of NJTPA regional targets), roadway infrastructure condition (support for statewide targets), freight and highway reliability (support for statewide targets), congestion (development of urbanized area targets), and emissions reduction (development of NJTPA regional targets)
- Updated TIP appendix on performance measures and targets
- Updated performance measure dashboards and other communications, as needed
- Reports on the RCIS and data analysis, as needed

**Project Cost**

Task Id	Task Activity	Budget Line Item	Total
SP201	Performance Measures and Data	Central Staff	\$347,362

**Task SP202 MODELING AND FORECASTING**

**Task Leader:** Hella Alnajjar

**Goals**

Provide planners and decision-makers with analytical insights regarding the region’s current and future travel patterns, markets, and demographic and employment trends. Explore ranges of future scenarios, considering the potential impacts of transportation investments, land use changes, technology advances and other important factors for regional transportation planning decisions.

**Description**

This task involves managing, applying, enhancing, and educating about NJTPA modeling capabilities. In partnership with NJDOT and NJ TRANSIT, the NJTPA maintains the Enhanced North Jersey Regional Transportation Model (NJRTM-E) and supports its use throughout the region (particularly by the NJTPA and its partner agencies and subregions). The NJRTM-E is applied in efforts such as: analyzing CMP priorities; corridor and subregional studies; air quality conformity; performance measures and targets; and scenario planning.

In FY 2025 in conjunction with Task 205, the NJTPA employed the revalidated (2019 base year) NJRTM-E to analyze air quality conformity for Connecting Communities, the 2025 NJTPA LRTP, and projects and programs in the FY 2026 – 2029 TIP. NJRTM-E data was also applied in various FY 2025 and FY 2026 planning and programming work within NJTPA, subregional, and partner studies and projects. This task will continue to support the revalidated model’s use.

The NJTPA advanced applications of the NJRTM-E in FY 2026, with support from NJIT to expand capabilities for modeling active transportation modes and to explore the use of agent-based modeling through Bentley OpenPaths Agent. The modeling work leveraged the “level of bicycle compatibility” index for roadways as an impedance measure to understand the travel behavior of bicyclists under real-world case studies.

For FY 2027, the NJTPA will examine different policies and scenarios using more advanced modeling capabilities for the NJRTM-E and seek opportunities for innovative planning applications. This will include long-term considerations for model upgrades. In addition, the NJTPA will conduct a more nuanced analysis of mobility and accessibility in the NJTPA region (in conjunction with Task

203).

The NJTPA's demographic and employment forecasts will be maintained in this task, and new updates will be initiated. This relies significantly on continued interagency coordination to ensure consistent forecasts for the entire New York/New Jersey metropolitan area. Forecasts were last updated for the 2025 LRTP. Regional and county totals will begin to be developed in this task for the 2029 LRTP.

The NJTPA also collaborates in the New York/New Jersey metropolitan area to periodically conduct household travel surveys, providing key fundamental data for transportation modeling and planning. The most recent survey was completed in 2011. In FY 2027, the NJTPA will collaborate and maintain coordination on a major survey effort initiated in FY 2026 by NYMTC. Passive data collection methods will be explored in this effort to supplement traditional mail and phone-based surveying.

### *Continuing Long-term Task Activities*

- Maintain and report as needed on demographic and employment forecasts for the NJTPA region.
- Collaborate on the multi-year, consultant-supported New York/New Jersey regional household survey led by NYMTC.
- Coordinate with partner agencies and subregions on modeling issues, tools, application, training, documentation and other modeling needs to enable broad application as needed.
- Support addressing federal requirements for calculating present and future performance measures.
- Maintain and provide analytical support for modeling tools including the bicycle level of compatibility network, and exploratory modeling capabilities using EMAT.
- Perform model runs and data extractions and report on findings for selected issues, subarea corridors, or transportation studies as needed.
- Support forecasting of select performance measures as practical (with Tasks 201 and 203).
- Consider disaggregate modeling methods to enhance the NJRTM-E and forecasting, in addition to conducting analysis such as treatment of new commuting patterns, housing requirements, active transportation, and automated vehicle technology.
- Utilize and leverage passive data and new modeling platforms (OpenPaths Ultimate) for NJTPA planning and modeling applications.

### *Continuing Short-term Task Activities*

- Evaluate current and updated methods for forecasting population, household and employment forecasts and model analyses for the NJTPA region. (March 2027)

### *New Task Activities*

- Develop county-wise demographic and employment forecasts, also known as county control totals, for the NJTPA region in collaboration with NYMTC. (December 2027)
- Conduct innovative travel model applications. (June 2027)

### ***Key Deliverables***

- Model and data updates, analysis and reporting for efforts such as: CMP, LRTP, performance measure monitoring, forecasting and target setting, visualization tools, project development, corridor studies, subregional studies, state partner projects, and other appropriate studies as needed.
- Methodology for updating population, household and employment forecasts for the NJTPA region.
- Initial data collection for NYMTC/NJTPA Regional Household Travel Survey.

### ***Contractual/Consultant Activities***

- ***Task SP202.004.27 : FY 2027 NJTPA Travel Model Applications***

***Project Manager:*** Hella Alnajjar

***Schedule:*** One Fiscal Year Effort

#### ***Description***

The NJTPA's Enhanced North Jersey Regional Transportation Model (NJRTM-E) is an essential tool for regional, state, and subregional planning analyses. This task, a continuing collaboration with the NJIT Department of Civil and Environmental Engineering building on FY 2026 work, will involve conducting a set of NJRTM-E applications to support ongoing planning work and research ways to enhance the model's use for novel scenarios.

One or more of the following or similar activities may be included:

- Explore potential applications of advanced travel demand modeling tools available in OpenPaths CUBE, such as agent-based modeling and integration of AI models and contribute to scoping for NJRTM-E successor (e.g. agent-based or activity-based model) or smaller companion models.
- Investigate and enhance model effectiveness for analyzing new travel behaviors related to emerging technologies. This will build on prior research from recent NJRTM-E validation efforts and explore areas such as transportation network companies (TNCs) and public transit, technology affecting freight and urban goods movements, autonomous and semi-autonomous driving capabilities, and first/last leg shared mobility.
- Develop further enhancements to NJRTM-E capabilities for estimating non-motorized travel, recognizing priorities from the NJTPA LRTP and Active Transportation Plan.
- Investigate approaches to modeling new behaviors related to changing population and economic dynamics, such as increases in hybrid and remote work and changing land use patterns. This may also draw from prior validation research and model sensitivity testing.
- Perform NJRTM-E runs for congestion management process or other regional travel analyses, focusing on anticipated future transportation system performance needs.
- Building on prior NJTPA use of the FHWA Exploratory Modeling and Analysis Tool (EMAT) based in NJRTM-E runs, analyze a set of relevant scenarios for future long range transportation plans.
- Run USEPA's MOVES model using base output from the NJTPA's NJRTM-E.

#### ***Products***

- Model analyses, data, updated parameters, and technical reports, including explanations of model effectiveness and recommendations for model enhancements

**Project Cost**

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
SP202	Modeling and Forecasting	Central Staff	\$457,094
SP202.004.27	FY 2027 NJTPA Travel Model Applications	Subrecipient	\$150,200

**Task SP203 CONGESTION MANAGEMENT PROCESS**

**Task Leader:** Eugene McGuinness

**Goals**

Maintain a robust performance-based analysis, refined as appropriate to underpin the federally required NJTPA Congestion Management Process and inform the metropolitan planning process. The analysis should help to assess the movement of persons and goods, consider how effectively the multimodal transportation system provides accessibility, and identify beneficial strategies for improvement.

**Description**

The CMP addresses accessibility, mobility and congestion in the broader planning process. It informs the LRTP and serves as an important basis for project and program development. CMP analysis identifies locations that warrant further attention and development of improvements.

The task builds upon the Accessibility and Mobility Regional Reassessment (AMRR) completed in FY 2025 and prior work to analyze regional patterns in multimodal access and mobility. Performance oriented data will continue to be applied, such as travel demand, facility operation, contextual land use and updated demographics, and other factors. Commercially available Location-Based Services (LBS) supported data or other sources should continue to enable comprehensive views of travel markets, demographic correlations, time period, and mode option issues across the region.

The CMP builds on priorities from the RCIS, LRTP, regional performance measures and targets, freight analysis, and other studies, with screening analysis for the suitability of strategies including: transit enhancements, first-mile/last-mile improvements, transit supportive roads, and road improvements. Along with other assessments, these support the use of the CMP as a basis for programs to implement strategies in the future.

In conjunction with Task 204, and subregional and partner outreach, part of this task will support the identification of need and strategy candidates for existing and potentially new program paths. It will also continue to consider candidate corridors for further study (in coordination with Task 302). Building on web and ESRI StoryMap products from the AMRR, improved communication of CMP results will continue to be pursued. Practical strategy guidelines will be enhanced as appropriate with considerations such as potential funding streams, institutional roles, local engagement, and the bundling of complementary strategies.

**Continuing Long-term Task Activities**

- Convene CMP Working Group of subregions and partners and continue to coordinate with other internal and external groups concerning transportation needs, strategies, and projects.

- Refine and identify additional regional needs and suitable strategies as they become evident, applying data and tools to assess performance and explore impacts.
- Prepare findings suitable to project and program development, including through entry into PRIME and online tools such as ESRI StoryMaps.
- Conduct further screening analysis for strategy implementation using available data and identify potentially viable programs for implementation where appropriate.
- Work with staff and partner agencies on maintaining a register of CMP-related project and program ideas to track for advancement.

***Continuing Short-term Task Activities***

- Support identification of regional corridors in need of accessibility/mobility improvements, traffic calming, complete streets, and/or multimodal improvements (October 2026)
- Continue using LBS data to analyze regional transportation patterns and confirm needs, examining relationships between transportation outcomes and demographic factors, considering equity. (November 2026)

***New Task Activities***

- Develop viable forecasting of select performance measures and types of CMP needs. (March 2027)

***Key Deliverables***

- Updated need- and strategy-oriented analysis products as appropriate, including memoranda detailing data sources, performance measures, methodologies, and findings and results presented as maps, tables, and web applications.
- Documented coordination on analysis, via meetings, workshops and presentations.

***Project Cost***

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
SP203	Congestion Management Process	Central Staff	\$344,679

**Task SP204 PERFORMANCE BASED ADVANCEMENT**

***Task Leader:*** Jeffrey Vernick

***Goals***

Create connecting steps in the planning and programming process to support planning activities, projects and programs that are grounded in NJTPA policy goals and systematic data-driven analysis. This should lead to more deliberative and efficient decisions, considering desired performance outcomes for the region, and where possible, support the advancement of planning findings into further study, concept development, and projects.

***Description***

This task focuses on strategically advancing NJTPA, subregional and partner agency findings from planning analysis into viable project pipelines. This involves technical support for NJTPA, subregion and partner agency studies and working cooperatively with decisionmakers, partners and stakeholders to identify opportunities to advance recommendations toward implementation. The task emphasizes coordination and consistency in planning and programming by maintaining agency awareness of the priorities and findings of regional analyses for use in localized studies and projects under development. The NJTPA looks for consistent performance-oriented features (such as performance measures, strategy priorities, contextual considerations, or data) and consideration of complementary strategies during project planning. Additional analysis is conducted to refine findings and support or generate new project development.

Activities will center on maintaining the PRIME library of planning studies and conducting reviews of project development activities. Cross-jurisdictional issues, such as bus transit needs related to local context, will be analyzed to identify opportunities for potential improvements (in conjunction with Tasks 203 and other tasks). Central Staff will continue to develop PRIME applications, offer training to increase use by NJTPA, subregional and partner agency staff, and report findings and trends as a foundation for further refinement or problem statement development.

#### *Continuing Long-term Task Activities*

- Support integration of performance-based products in appropriate NJTPA and partner planning and project development activities. Review proposed projects considered by the NJDOT Capital Program Screening Committee (CPSC) and other venues, documenting consistency with the CMP and other analyses.
- Manage PRIME data entry and report generation, conduct training, and convene a PRIME user group to explore best practices for subregional studies, TMA activities, and other programs. Manage, in conjunction with Task 802, maintenance of the system and implement enhancements as appropriate. Support expanded access to and use of PRIME.
- Participate in interagency working groups and activities, including the NJDOT Complete Team regarding problem statement development and partner committees conducting research (such as on advanced emerging technologies).
- Informed by Tasks 203, 302, 501, 802, and other tasks, draw from PRIME to support collaborative scoping and project development, review planning context with consideration of issues such as multimodal, environmental, safety needs, and identify recommendations for advancement toward implementation
- Coordinate with State Development and Redevelopment Plan, Connecting Habitats Across New Jersey and other multidisciplinary planning initiatives that can inform transportation needs.
- Report to and engage RTAC, standing committees and partner agencies on advancement activities.
- Update NJTPA web pages related to performance-based planning and programming efforts.

#### *Continuing Short-term Task Activities*

- Manage the NJTPA review of the NJDOT State Planning and Research/Management System Work Program. (September 2026)
- Produce PRIME annual summary report. (June 2027)

- In conjunction with Task 307, manage NJTPA coordination and technical support for the Transit Hub Planning Program, a partnership with the Center for Community Planning and the American Planning Association New Jersey Chapter (APA-NJ), to prepare strategic transit hub improvement plans for competitively selected local communities. (June 2027)
- Coordinate with PRIME users to support project scoping, planning refinement and project advancement. (June 2027)
- Continue analysis of potential improvements for appropriate aspects of public transit service. (June 2027)
- In conjunction with Task 203, continue to identify opportunities to improve internal and partner agency coordination on CMP-related issues and strengthen planning foundations within project development. (June 2027)

**Key Deliverables**

- Managed, populated, and enhanced PRIME system, reports, training, user support, and adoption guidance for NJTPA, subregion and agency staff to incorporate into work processes.
- Updated CMP-based study and planning review procedures and guidance as needed.
- Documented reviews of advancing NJDOT and other agency projects and new NJDOT problem statements, as appropriate.
- Documented analysis of key public transit issue(s), as appropriate.
- NJTPA comments on the NJDOT CY 2026-2027 Year 2 State Planning and Research Program.

**Project Cost**

Task Id	Task Activity	Budget Line Item	Total
SP204	Performance Based Advancement	Central Staff	\$307,107

**Task SP205 AIR QUALITY PLANNING AND CONFORMITY ANALYSIS**

**Task Leader:** Liz DeRuchie

**Goals**

The desired outcome of air quality planning is a healthier environment within and beyond the northern New Jersey region, including cleaner air and the attainment of the National Ambient Air Quality Standards. The goal of this task is to support plans and programs that result in reduced mobile source emissions. As a fundamental federal requirement for northern New Jersey, an ongoing successful conformity process in which the LRTP and Transportation Improvement Program (TIP) meet conformity requirements enables the region to receive and apply federal dollars for transportation improvements.

**Description**

Portions of the NJTPA region are classified as nonattainment for ozone (8-hour ozone standard), and maintenance for fine particulate matter (PM2.5, both daily and annual). A federally mandated activity, this task assesses the air quality impacts of the aggregate projects in the LRTP and TIP. The NJTPA analyzes projected travel and associated vehicular pollutant emissions against pollutant budgets set out in the New Jersey State Implementation Plan (SIP). The air quality conformity

process requires ongoing and close coordination with partner agencies. The NJTPA maintains an active Interagency Consultation Group (ICG), comprised of members of the USEPA, FHWA, FTA, New Jersey Department of Environmental Protection (NJDEP), NJ TRANSIT and NJDOT, along with neighboring metropolitan planning organizations (MPOs). The NJTPA will continue to support the Transportation Clean Air Measures (TCAM) projects primarily with Congestion Mitigation and Air Quality (CMAQ) funds but will also draw upon other funding opportunities where possible. The NJTPA will report on the impacts of TCAM projects and the overall CMAQ program as required.

#### ***Continuing Long-term Task Activities***

- Continue to work closely with NJDEP to develop SIP budgets for the ozone reclassification as required.
- Review, classify, and vet all TIP amendments through the ICG to ensure that federal air quality conformity regulations are followed.
- Continue to identify new TCAM projects through innovative outreach methods and research of FHWA's CMAQ Database.
- Coordinate with and support public and private sector partners and NJDOT to improve federal authorization as projects are move towards implementation.
- Complete the NJTPA CMAQ Performance Plan, in coordination with Task 201.
- Conduct air quality emissions analyses of transportation plans and programs and develop the conformity determination, including convening the ICG.

#### ***Continuing Short-term Task Activities***

- Improve TCAM Project delivery (June 2027)

#### ***New Task Activities***

- Conduct MOVES 5 air quality modeling training for NJTPA staff (June 2027)

#### ***Key Deliverables***

- Conformity determination for the FY 2028 TIP and LRTP 2055.
- Annual status report on local and regional TCAMs including final reports from project sponsors of completed projects.
- Develop CMAQ Performance Plan.

#### ***Contractual/Consultant Activities***

- ***Task SP205.001.27 : FY 2027 Air Quality Conformity Determination and Regional Emissions Modeling***

***Project Manager:*** Liz DeRuchie

***Schedule:*** Three Fiscal Year Effort

#### ***Description***

The North Jersey Transportation Planning Authority, Inc. (NJTPA) will undertake an air quality conformity analysis on the FY 2028 Transportation Improvement Program (TIP) and Plan 2055,

the Long Range Transportation Plan (LRTP). The central purpose of this task will be to estimate the emissions of mobile source criterion-pollutants in the NJTPA’s non-attainment and maintenance areas from the regional transportation network using the U.S. Environmental Protection Agency’s (EPA) Motor Vehicle Emission Simulator (MOVES) model.

Conformity is the determination made by the MPOs to ensure that transportation plans and programs in nonattainment and maintenance areas conform to State Implementation Plan (SIP) targets for reducing pollutant emissions to meet the National Ambient Air Quality Standards (NAAQS). Portions of the NJTPA region are currently classified as nonattainment areas for ozone (8-hour ozone standard), and maintenance areas for fine particulate matter (PM2.5, both daily and annual). The New Jersey Department of Environmental Protection (NJDEP) establishes the SIP with pollutant budgets for mobile sources. NJTPA plans and programs – including its’ LRTP and TIP – must undergo analysis to demonstrate that they conform to the NJDEP’s SIP budgets.

The NJTPA bases conformity on its established regional demographic and employment forecasts. The analysis begins with runs of the NJTPA’s travel demand model, the Enhanced North Jersey Regional Transportation Model (NJRTM-E). As required for estimation of pollutant emissions, the NJTPA uses the U.S. Environmental Protection Agency’s (EPA) Motor Vehicle Emission Simulator (MOVES) model. Further EPA refinement and updated versions of the MOVES model may need to be incorporated in the conformity analysis, requiring additional technical work. The NJTPA expects to use the most recent version of the MOVES model for the upcoming conformity determination (to accompany adoption of the FY 2028 TIP and Plan 2055) following the regulations and timelines set forth by EPA.

**Products**

- Air Quality Regional Emissions on FY 2028 TIP and LRTP 2055

**Project Cost**

Task Id	Task Activity	Budget Line Item	Total
SP205	Air Quality Planning and Conformity Analysis	Central Staff	\$372,361
SP205.001.27	FY 2027 Air Quality Conformity Determination and Regional Emissions Modeling	Consultant	\$550,600

**Task SP206 GIS, DATA RESOURCES AND PLANNING TOOLS**

**Task Leader:** Gabrielle Fausel

**Goals**

Strengthen the NJTPA’s role as a technical and informational resource for transportation planning activities in the region and continue to enhance partnering and collaborative activities with local governments, MPOs, transportation and operating agencies and the public. Continue as a regional resource for geospatial transportation data.

**Description**

This task includes maintaining a regional databank for all transportation and related data. These

various data sources are available in an enterprise - geographic information system (EGIS) database. EGIS allows for an efficient response to data requests. Maps, tables and datasets are made accessible to staff, partner agencies, subregions and the public. Project deliverables are reviewed for compliance with agency standards. This task also includes research, development and maintenance of planning tools, such as the Esri ArcGIS Hub, that allow for visualization and analysis of both spatial and non-spatial data in support of NJTPA-funded transportation planning activities. ArcGIS Hub is an easy to configure community engagement platform that organizes people, data and tools through information-driven initiatives. This task facilitates the integration of transportation, land use and environmental information into the NJTPA’s data-driven planning process as well as expanding the use of ArcGIS Hub.

***Continuing Long-term Task Activities***

- Acquire, process and upload new datasets into the regional databank as appropriate including NJTPA EGIS and Open Data Portal maintenance and updates.
- Develop and maintain data inventory of Title VI and demographic variables.
- Identify, research and develop visualization and analytical planning tools to support NJTPA transportation planning activities.
- Support the maintenance of the statewide Zoning Atlas for New Jersey.
- Continue to offer the most up-to-date ESRI GIS training opportunities for NJTPA staff and subregional partners.

***New Task Activities***

- Design and implement a dynamic Zoning Atlas application with updated utilities that integrate zoning changes reported to NJTPA (June 2027)

***Key Deliverables***

- Updated ArcGIS Hub initiative sites.
- Updated Title VI and demographic maps.

***Project Cost***

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
SP206	GIS, Data Resources and Planning Tools	Central Staff	\$414,901

**Task SP207 TRANSPORTATION TECHNOLOGY AND OPERATIONS PLANNING**

***Task Leader:*** Andy Kaplan

***Goals***

To align the needs of operations and planning with partner agencies in the NJTPA region. To monitor and plan for the integration of new technologies such as app-based traveler information systems, connected and autonomous vehicles, connected infrastructure, Mobility as a Service/ Mobility on Demand (MaaS/MOD), ITS, and opportunities to integrate them into the NJTPA planning process.

### ***Description***

Advancing Operations and ITS in the NJTPA region will continue with innovative approaches to improving the reliability of the transportation system, drawing from studies and partnerships. ITS projects may include but are not limited to traffic signal operations and technology (including transit signal priority); local Traffic Operations Center (TOC); regional operational coordinator (including support of TransCom); app-based traveler information system coordination; connected and autonomous vehicle research; MaaS and MOD; multi-agency operational planning and using operations data for planning, and data integration.

### ***Continuing Long-term Task Activities***

- Provide subject matter expertise related to transportation technology and operations for intra-agency studies and other partner agencies and subregional efforts impacting the NJTPA region.
- Provide subject matter expertise related to transportation technology and operations for intra-agency studies and other partner agencies and subregional efforts impacting the NJTPA region. Participate in relevant external coordination activities, such as representation at local ITS-NJ and ITE meetings, and collaboration with partner agencies.
- Support subregional partners with ITS deployment and traffic signal improvement projects, including the continued adoption and use of the NJ ITS Architecture, technology best practices, ITS planning and NJDOT Local Aid project authorization.
- Investigate impacts of emerging technologies, such as app-based traveler information systems, connected and autonomous vehicles, connected infrastructure, MaaS/MOD and ITS. Support pilot autonomous vehicle (AV) applications, provide information and support studies and investments at the subregional level.
- Advance connected vehicle (CV) and AV ideas. Work will be done to identify specific NJTPA activities which can support the incubation and coordination of technological deployment in the region, in alignment with LRTP goals. Activities can include community building and knowledge transfer events

### ***Continuing Short-term Task Activities***

- Facilitate deployments of traffic signal optimization technology along local corridors; including support to all NJTPA-funded signal projects. (June 2027)
- Support multi-jurisdictional operational planning activities along key regional corridors. (June 2027)
- Advance regional approaches to traffic signal investment, including delivery of a strategic investment framework (March 2027)

### ***New Task Activities***

- Examine policies and designate testing areas for autonomous vehicles in the region (June 2027)

### ***Key Deliverables***

- Support subregional project managers, leading to federal authorization of ITS/adaptive and optimized signal projects from NJTPA's TCAM program.
- Provide technical guidance in support of ITS efforts at NJTPA, including CAV advancement in the region, traffic signal technology and other technologies.

***Contractual/Consultant Activities***

- ***Task SP207.003.27 : Traffic Signal Asset Management Pilot***

***Project Manager:*** Andy Kaplan

***Schedule:*** Three Fiscal Year Effort

***Description***

Following the NJTPA Traffic Signals Strategic Investment Framework, NJTPA will have a methodology framework aligned with planning goals, and local agency needs. Phase 2 of this effort will leverage the framework for a small number of piloting sub-regions (2-3) to develop an asset management product. The product would be constructed with consultant support, and in conjunction with the intended end-users (County and Municipal Engineers), and populated with data for the piloting sub-regions. Estimated costs anticipate to include the consulting effort, as well as data collection efforts which may be needed.

***Products***

- An asset management product for subregional traffic signals, operationally piloted with 2-3 subregions.

***Project Cost***

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
SP207	Transportation Technology and Operations Planning	Central Staff	\$306,597
SP207.003.27	Traffic Signal Asset Management Pilot	Consultant	\$600,600

# Regional Planning

## Task RP301 LONG RANGE PLANNING

**Task Leader:** Peter Zambito

### Goals

The goal of this task is to implement Connecting Communities: The NJTPA Long Range Transportation Plan, which was adopted by the Board of Trustees in September 2025.

### Description

This task will coordinate intra- and inter- agency efforts to promote and implement Connecting Communities. Intra-agency coordination will include exploring and refining broad themes, working with Task 302 (Planning Studies), Task 303 (Safety Planning), Task 201 (Performance Measures and Data), Task 501 (TIP Development) and Task 701 (Outreach) and others. Inter-agency coordination will include seeking opportunities to integrate recommendations from the NJDOT Statewide Plan, NJ State Development and Redevelopment Plan, the Target Zero Action Plan, the statewide Strategic Highway Safety Plan and others into NJTPA studies and products.

### Continuing Long-term Task Activities

- Participate in interagency and regional planning and collaboration to address broad and emerging planning and transportation issues.
- Coordinate with related Central Staff efforts, including performance measures, trails development, safety planning, transportation improvement programming, and other ongoing efforts.
- Support NJDOT and NJ TRANSIT in developing the Statewide Long Range Transportation Plan. This includes collaboration and public involvement activities and other support as requested.

### New Task Activities

- Outreach and coordination to implement Connecting Communities strategies and policies (June 2027).

### Key Deliverables

- Preparation and dissemination of publicly accessible Connecting Communities documents and material (June 2027)

### Project Cost

Task Id	Task Activity	Budget Line Item	Total
RP301	Long Range Planning	Central Staff	\$183,725

## Task RP302 PLANNING STUDIES

**Task Leader:** Peter Zambito

### Goals

This task conducts multimodal localized and regional planning analysis, interagency collaboration and outreach in support of the LRTP.

**Description**

This task encompasses collaboration, research, and analysis to identify, define, and address multimodal transportation planning issues and needs of regional importance that advance LRTP goals and strategies, and MPO, FHWA and NJDOT emphasis areas. It includes collaboration with partner agencies such as NJ TRANSIT and NJDOT on studies. The purpose of these studies is to define and clarify issues and opportunities that can lead to policies and investments, addressing a wide range of issues such as safety, infrastructure conditions, system connectivity, complete streets, resiliency, transit needs, or economic vitality. Partner agency and public involvement are integral to these efforts. A consultant supported effort initiated in FY 2026 to advance the Regional Active Transportation Plan will continue, as will efforts to advance study recommendations through the project development pipelines.

**Continuing Long-term Task Activities**

- Identify potential subarea or corridor studies to be undertaken by the NJTPA or others that advance the LRTP, CMP, resiliency, freight movement, or other regional priorities.
- Participate in studies led by subregions, Central Staff, or partner agencies.
- Advance planning study recommendations into an appropriate development pipeline.
- Engage in regional and subregional bicycle and pedestrian planning initiatives, including support for the East Coast Greenway, Morris Canal Greenway, 9/11 Memorial Trail, Essex Hudson Greenway, and other trails. This includes attending NJ Bicycle and Pedestrian Advisory Council, East Coast Greenway Alliance, the NJ Bicycle and Pedestrian Safety Council, the North Jersey Trail Network Initiative, or other pedestrian or bicycle-focused meetings and forums. Advance Complete Streets in studies and projects.
- Manage and guide a consultant supported effort (initiated in FY 2026) to refine corridors identified in the Active Transportation Plan.

**Key Deliverables**

- Reports or initiatives supporting implementation of trails and active transportation facilities
- Candidate subarea or corridor studies for potential study by the NJTPA or others
- Regional Active Transportation Refinement final deliverables including final report and technical memoranda

**Project Cost**

Task Id	Task Activity	Budget Line Item	Total
RP302	Planning Studies	Central Staff	\$324,550

**Task RP303 SAFETY PLANNING**

**Task Leader:** Lois Goldman

**Goals**

The goal of this task is to reduce traffic fatalities and serious injuries for all users on public roads using systemic, data-driven methods that incorporate the Safe System Approach and that advance strategies from Local Safety Action Plans, the Target Zero Action Plan, and the NJ Strategic Highway Safety Plan.

**Description**

This task supports the NJTPA’s regional safety goal of eliminating fatal and serious injury crashes by 2050, in alignment with New Jersey’s Target Zero Commission goal of zero fatalities by 2040 and statewide Strategic Highway Safety Plan goals. It advances implementation of county-level Local Safety Action Plans (LSAPs), which serve as a foundation for safety-focused programs, policies, and local planning efforts. Central Staff will provide technical assistance to subregional partners through data analysis, promotion of multimodal strategies such as Complete Streets, and coordination of interagency and public outreach activities. This work complements the ongoing SS4A Advancement consultant-supported initiative launched in FY26 and concluding in FY27.

**Continuing Long-term Task Activities**

- Coordinate with NJDOT, planning partners, and the Statewide Traffic Records Coordinating Committee (STRCC) to improve safety data quality.
- Contribute to regional safety data analysis to identify and monitor strategic safety performance metrics, including developing data tools with a variety of safety data overlays
- Convene the Safety Working Group to coordinate internal and external efforts towards implementing safety strategies throughout the region.

**Continuing Short-term Task Activities**

- Continue participating on safety-focused committees with partner agencies, including the Hudson County Vision Zero Task Force, the Monmouth County SS4A local safety action plan, and the NJSEA MAP4S implementation committee, and SHSP emphasis area implementation committees as requested (Ongoing).
- Final reports documenting each technical assistance task, including methodology and outcomes, for the SS4A Advancement consultant effort, initiated in FY2026.

**Key Deliverables**

- Reports, interagency initiatives or completed actions supporting the Safe System Approach and implementation of Local Safety Action Plans.
- Reports and final deliverables for the consultant supported SS4A Refinement study, initiated in FY 2026.

**Project Cost**

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
RP303	Safety Planning	Central Staff	\$290,531

**Task RP304 SUBREGIONAL PASS THROUGH PROGRAMS**

**Task Leader:** William Long  
Frank E. Tolbert

### **Goals**

The goal of this task is to administer the annual Subregional Transportation Planning (STP) program and the Subregional Studies Program (SSP).

### **Description**

This task is for the administration of the STP pass-through program to fund subregional transportation planning activities in support of the metropolitan planning process. Participation in this annual program is mandatory for subregions to be eligible to receive federal planning funds. STP work programs advance FHWA and NJDOT priorities for MPOs and LRTP goals. A detailed program description is provided in Chapter II, along with the subregional work programs. This task also provides for the administration of the federally funded SSP. This program provides technical and financial assistance to subregions, on a competitive basis, to conduct analysis and to develop recommendations that address important local mobility and accessibility issues that have a regional impact. Selected studies must demonstrate their relationship to FHWA and NJDOT priorities for MPOs and to LRTP goals. A detailed program description, including study descriptions, is provided in Chapter II.

### **Continuing Long-term Task Activities**

- Administer the FY 2027 STP Program, including review of quarterly and final subregional progress reports, review and approval of subregional technology and training requests, and preparation of semi-annual regional reports highlighting the activities accomplished by each subregion.

### **Continuing Short-term Task Activities**

- Administer the FY 2026-FY 2027 cycle of SSP studies (Middlesex County and Passaic County) including tracking progress and budget, participating in technical advisory committees, reviewing and commenting on written products and other deliverables, interagency coordination, approving interim deliverables and final products, and providing ongoing technical assistance to guide the progress of studies. (June 2027)

### **New Task Activities**

- Administer the FY 2027-FY 2028 cycle of SSP studies, including tracking progress and budget, participating in technical advisory committees, reviewing and commenting on written products and other deliverables, interagency coordination, approving interim deliverables and final products, and providing ongoing technical assistance to guide the progress of studies. (June 2028)

### **Key Deliverables**

- Preparation of FY 2028 - FY 2029 SSP studies for Chapter II of the FY 2028 UPWP
- Initiation of FY 2027 - FY 2028 SSP studies
- FY 2028 STP and FY 2028 - FY 2029 SSP Solicitations
- Bi-annual STP and SSP subregional reports

- FY 2026 - FY 2027 SSP study final reports, executive summaries, and all study deliverables

#### ***Contractual/Consultant Activities***

- ***Task RP304.001.27 : FY 2027 Subregional Transportation Planning Program***

***Project Manager:*** Frank E. Tolbert

***Schedule:*** One Fiscal Year Effort

#### ***Description***

The STP Program provides funding to each subregion for essential transportation planning, programming and administrative activities that support the goals and policies in the LRTP. These activities include collecting data, analyzing project needs, facilitating public participation and sharing information. Under the STP, the NJTPA provides federal funding to support subregional planning work. As vital partners in regional planning work, the subregions help bring a local perspective to all aspects of NJTPA's work to improve the northern New Jersey transportation network.

#### ***Products***

- Subregional Work Programs
- Quarterly Progress Reports and Invoices

#### ***Contractual/Consultant Activities***

- ***Task RP304.003.27 : FY 2027-2028 Subregional Studies Program***

***Project Manager:*** William Long

***Schedule:*** Two Fiscal Year Effort

#### ***Description***

The SSP provides technical and financial assistance to subregions and subregional teams, on a competitive basis, to produce studies of important regional mobility and accessibility issues. This program is an extension of the NJTPA's STP program. These studies produce recommendations consistent with the LRTP, CMP, and federal guidance. The SSP is a critical element of the NJTPA's continuous, cooperative, and comprehensive metropolitan planning process. Subregions are encouraged to propose studies that complement other planning work in the NJTPA region and within the local area. Products developed through this program must address significant transportation challenges within the region and must be consistent with plans and priorities at the state and regional level.

#### ***Products***

- Final Reports and other Final Deliverables
- Quarterly Progress Reports and Invoices

**Project Cost**

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
RP304	Subregional Pass Through Programs	Central Staff	\$373,852
RP304.001.27	FY 2027 Subregional Transportation Planning Program	Pass-Through Grant	\$2,511,400
RP304.003.27	FY 2027-2028 Subregional Studies Program	Pass-Through Grant	\$895,900

**Task RP305 MOBILITY PROGRAMS**

**Task Leader:** Jasmine Lawrence

**Goals**

Mobility Programs at the NJTPA support transportation options for all people, regardless of ability, income, or type of trip. This creates a more resilient and livable region while providing opportunity and a better quality of life for residents. This work strengthens the NJTPA’s leadership position in transportation planning and raises public awareness of the organization’s mission.

**Description**

This task oversees the federally funded TMA work programs (Chapter III). This allows for continued work by TMAs to increase mobility options for the public, particularly in areas under-served by public transportation. This work includes coordination with TMA partners to implement safety strategies and initiatives (Task 303) and the Coordinated Public Transit Human Services Transportation Plan (CPHSTP). The TMA Program aligns with the LRTP and other regional planning initiatives.

This task also advances the implementation of the Transportation Demand Management (TDM) and Mobility Plan to identify regional policies and strategies that increase travel choices while minimizing the negative impacts of single-occupant vehicle travel.

This task will continue to administer the Local Mobility Initiatives (LMI) program funded by the CMAQ program. The LMI program provides funds to advance implementable and innovative transit shuttle and micromobility services for new or expanded first-mile/last-mile projects. NJ TRANSIT assists with scoring LMI grant applications and then administers the program to the successful applicants. Staff will serve as a technical resource to applicants during project implementation and monitor project outcomes.

This task will lead the Complete Streets Demonstration Library program, providing materials for temporary demonstration projects. These materials are available to borrow for projects that test Complete Streets and LSAP strategies in communities throughout the region and state. Activities will include the promotion and delivery of the program and the replenishment of materials.

This task will also continue to assist NJ TRANSIT in the selection of Section 5310 grants for transportation services for older adults and people with disabilities, and Job Access Reverse Commute (NJ-JARC) grants for connections to employment sites without transit.

**Continuing Long-term Task Activities**

- Provide program management and oversight of the TMAs, including review of invoices and progress reports, development and monitoring of performance measures, coordination of TMA activities, and attendance at TMA Board and other related meetings.
- Work to advance the recommendations of the regional CPTHSTP and the Transportation Demand Management (TDM) and Mobility Plan in coordination with the subregions, TMAs, and others.
- Participate in proposal selection and guidance for human services and workforce transportation programs in coordination with NJ TRANSIT.
- Support and monitor the implementation of NJTPA grant-funded projects, such as the LMI projects, in coordination with NJ TRANSIT.
- Manage the Complete Streets Demonstration Library.
- Manage the CMAQ Local Mobility Initiative (LMI) Program.

### ***Key Deliverables***

- Complete Streets Demonstration Library summary memo and map update
- TMA Program quarterly reports
- FY 2028 TMA Program solicitation and work programs

### ***Contractual/Consultant Activities***

- ***Task RP305.001.27 : FY 2027 Transportation Management Association Program***

***Project Manager:*** Jasmine Lawrence

***Schedule:*** One Fiscal Year Effort

### ***Description***

The TMA Program contains the activities conducted by the Transportation Management Associations (TMA) throughout New Jersey to support statewide transportation demand management activities. This includes encouraging and enabling commuters and other travelers to make choices other than driving alone, including taking transit, riding together, biking, or walking; promoting and supporting non-auto travel to employers; sharing information about construction and events that cause travel disruptions; and educating the public about air quality and electric vehicles.

During FY 2027, TMAs will continue to pursue a variety of efforts to increase regional mobility including conducting safety programs and walk/bike audits, Complete Street demonstration projects, assisting with air quality monitoring and reporting, and enhancing transportation options for older adults, people with disabilities, low-income individuals, and veterans in keeping with the regional CPTHSTP.

### ***Products***

- TMA Work Programs
- Quarterly Progress Reports and Invoices

**Project Cost**

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
RP305	Mobility Programs	Central Staff	\$295,257
RP305.001.27	FY 2027 Transportation Management Association Program	Pass-Through Grant	\$7,404,900

**Task RP306 ENVIRONMENTAL POLLUTION MITIGATION AND RESILIENCE**

**Task Leader:** Zenon Tech-Czarny

**Goals**

This task aims to make the region more resilient to the impacts of extreme weather and other hazards and mitigate environmental pollution through data collection, strategy development, and project implementation. It also aims to assist the NJTPA subregions, with opportunities available to all municipalities within the region and collaborate with partners.

**Description**

This task advances goals in Connecting Communities: The NJTPA Long Range Transportation Plan, such as making the system resilient to the impacts of extreme weather and other hazards, and coordinating land use and transportation to create healthy and vibrant communities that reduce environmental and air quality impacts and support transit ridership, biking, and walking.

This task also advances NJDOT MPO Transportation Priorities, such as ensuring resilience and reliability by partnering with other agencies to implement risk management strategies for transportation infrastructure resilience and collaborate on strategies to reduce harmful emissions from the transportation sector, as well as advancing system integration and connectivity by facilitating the advancement and adoption of cleaner transportation options and enhancing air quality by leveraging CMAQ and Carbon Reduction resources.

This task works to identify strategies and projects that increase the capacity of communities in the NJTPA region and the transportation assets within to prevent, withstand, respond to, and recover from disruption due to natural hazards and stressors. This task also seeks to increase communities’ ability to adjust to a hazard, take advantage of new opportunities, or cope with changing conditions. Projects focus on hazard mitigation and resilience planning, and advancing traditional stormwater management and nature-based solutions to make the regional transportation system more resilient. This task will also include continuing work with NJDEP’s Resilient NJ, serving as a stakeholder and advancing its planning studies and initiatives.

This task also includes collecting data, developing strategies, and implementing projects that reduce pollution from transportation. The task will continue to explore new methods and technologies to measure transportation’s environmental impact and explore methods to quantify reductions. This task provides information and encourages the adoption of alternative-fueled vehicles (AFV). Activities in this task will also support communities in the region seeking to reduce pollution and emissions, as described in New Jersey state policy, goals, and laws.

This task continues to coordinate and facilitate discussion among federal, state, regional, county, municipal, nonprofit, and other partners, share and analyze data, provide technical assistance, and support resilience, environmental pollution mitigation, and sustainability initiatives.

***Continuing Long-term Task Activities***

- Monitor the impacts of extreme weather on transportation
- Identify and advance state, regional, and local mitigation and resilience initiatives that protect the region from the impacts of extreme weather and build strong, adaptable communities.
- Collect, develop, and analyze relevant data and advance strategies and projects that reduce pollution in the NJTPA region.
- Collaborate with partners, including NJDOT and other agencies, to implement strategies for managing risks to transportation infrastructure and strategies to reduce harmful emissions from the transportation sector.

***Continuing Short-term Task Activities***

- Advance the Subregional Electric Vehicle Charging Infrastructure Program. (June 2027)
- Continue to provide guidance for the establishment of places that serve as critical community resources before, during and after extreme weather events (i.e., Resilience Hubs) (June 2027)
- Advance the NJTPA Carbon Reduction Strategy. (June 2027)

***New Task Activities***

- Summarize the current state of knowledge on transportation asset risk in the NJTPA region and assess where asset risks and local government needs could be addressed through NJTPA plans and programs. (June 2027)
- Provide recommendations to subregions and municipalities on how to make their communities and transportation assets more resilient as part of NJTPA’s existing programs. (June 2027)
- Using the UrbanFootprint tool to assess existing conditions and the impact of land use changes on transportation and air pollution in a municipality and/or county. (June 2027)
- Provide county and municipal data resources and support for resilience and pollution reduction. (June 2027)

***Key Deliverables***

- Summarize initial findings related to regional transportation asset risks and local needs assessment.
- Summary report on the impacts of land use changes on transportation and air pollution for a municipality and/or county.
- A summary report of county and municipal data and services provided.

***Project Cost***

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
RP306	Environmental Pollution Mitigation and Resilience	Central Staff	\$417,882

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## **Task RP307 LIVABLE COMMUNITIES PLANNING**

*Task Leader:* Peter Bilton

### *Goals*

This task aims to implement the vision for regional competitiveness, efficiency, livability, and resiliency, as well as to address the transportation-related needs identified in the LRTP, including Complete Streets. This is accomplished through providing subregions and local governments with training, planning support, and technical assistance to address the transportation needs of all users. This task also supports regional planning initiatives that enhance transit-oriented development, walking and bicycling. All activities within this task include meaningful public engagement opportunities using both traditional and virtual approaches.

### *Description*

This task provides oversight and staff support for the Vibrant Communities Initiative, in partnership with the Voorhees Transportation Center at Rutgers University (VTC). The Vibrant Communities Initiative provides targeted support to municipalities, counties, and community organizations in the NJTPA region through technical assistance, placemaking projects, information resources, and applied research. This task advances the themes from Connecting Communities, the NJTPA's LRTP.

This task also provides oversight and staff support for the Dayton Neighborhood Transit Redevelopment project that continues work started in FY 2025 on the Newark Train Station Coordination, supporting the coordination and ongoing planning and development surrounding the new Newark Liberty International Train Station in the Dayton Neighborhood in the City of Newark. This work will be conducted by NJIT staff in the Hillier School of Architecture and The Center for Community Systems.

This task continues the Planning for Emerging Centers program, which provides consultant and staff technical support to municipalities to conduct a variety of planning studies including integrated transportation/land use plans, transit hub plans, multimodal (e.g., pedestrian, bicycle, micromobility, transit, and motor vehicle) circulation elements of master plans, sustainability plans and others. Two studies initiated in FY 2026 in the municipalities of Fair Lawn, Bergen County and New Brunswick, Middlesex County will be completed in FY 2027. This program is conducted in collaboration with NJ TRANSIT, NJDOT, the relevant subregions and other planning partners, and supports the goals of the Transit Village Initiative and transit-oriented development.

This task also includes the Complete Streets Technical Assistance program, undertaken with contractual support from Sustainability Institute at the College of New Jersey with support from VTC. The fifth round of this program will continue to provide both training and technical assistance planning services to assist interested municipalities in creating Complete Streets solutions to address safety, accessibility, quality of life, and environmental needs. This effort began in FY 2026 and will conclude in FY 2027 with products for seven municipalities in the NJTPA region.

This task, in conjunction with Task 204, also supports the Transit Hub Planning Program. The program, a partnership with the Center for Community Planning and the American Planning Association New Jersey Chapter (APA-NJ), provides technical planning support by a team of volunteer planners for up to two community groups or municipalities. Projects are selected on a competitive basis by a committee made up of staff from the three organizations. The teams of volunteer planners develop strategic plans for the re-use, redevelopment, or improvement of a transit hub in the selected communities. Plans result in strategies that improve access to the transit station, increase economic activity in the hub area, create improved public spaces and create a more vibrant

and connected community.

This task continues a Complete Streets Conceptualization Pilot study initiated in FY 2025 to provide consultant-supported planning and project development assistance to Perth Amboy, Middlesex County to advance a multimodal local Complete Streets project in the Hall Avenue neighborhood. The study will produce conceptual designs to inform City decision making regarding future streets improvements to the study area as well as guidance for a potential future NJTPA technical assistance program. This study will be completed in FY 2027.

#### ***Continuing Long-term Task Activities***

- Manage the municipal technical support efforts with a focus on placemaking, sustainability and strengthening the capacity of municipalities.
- Support regional planning initiatives that enhance transit-oriented development and the coordination of land use and transportation through partnerships with NJ TRANSIT, APA-NJ and other regional and local partners.

#### ***Continuing Short-term Task Activities***

- Continue to manage the Planning for Emerging Centers Program consultant-supported municipal study, including data collection and analysis, stakeholder and public outreach, development of recommendations, and the completion of final reports for two municipalities. (June 2027)
- Continue to manage the Complete Streets Technical Assistance program to deliver training and services to municipalities in the NJTPA region, including the completion of seven final reports. (June 2027)
- Continue to manage the Complete Streets Conceptualization Pilot. (June 2027)
- Support the Transit Hub Planning Program. (June 2027)

#### ***New Task Activities***

- Manage the Vibrant Communities Initiative and the Dayton Neighborhood Transit Redevelopment technical support efforts. This work includes staff support of activities, reports, and events. (June 2027)

#### ***Key Deliverables***

- Complete Streets Conceptualization Pilot final report.
- Complete Streets Technical Assistance program final reports for participating municipalities.
- Planning for Emerging Centers Program final report for two municipal technical assistance projects in Fair Lawn, Bergen County and New Brunswick, Middlesex County.

#### ***Contractual/Consultant Activities***

- ***Task RP307.002.27 : FY 2027 Vibrant Communities Initiative***

***Project Manager:*** Blythe Eaman

***Schedule:*** One Fiscal Year Effort

***Description***

The Vibrant Communities Initiative provides targeted support to municipalities, counties, and community organizations in the NJTPA region through technical assistance, placemaking projects, information resources, and applied research. This effort promotes economic development, highlights cultural and historic resources, and engages communities in opportunities to enhance the quality of life for all residents, while building strong, vibrant communities.

Through this effort the NJTPA works with VTC to advance projects and recommendations that shape the vision for the region. In this effort, VTC will support the NJTPA in organizing and producing forums, conducting research/knowledge-building activities and administering the Vibrant Places Program. The Vibrant Communities Initiative seeks to create a more sustainable future for the region that invests in existing communities where housing, jobs, educational, cultural and recreational opportunities are made more easily accessible to most residents of the region by providing more transportation choices.

**Products**

- Vibrant Places Program final reports
- Technical reports related to the research/knowledge-building activity

**Contractual/Consultant Activities**

- **Task RP307.008.27 : Dayton Neighborhood Transit Redevelopment**

**Project Manager:** Blythe Eaman

**Schedule:** Two Fiscal Year Effort

**Description**

Contract to continue support for the ongoing planning and development of the Dayton Neighborhood of the City of Newark anticipating the expansion of the Newark Liberty International Train Station. This work will be conducted by NJIT staff in the Hillier School of Architecture. Scope will include on-going outreach, support of a community advisory panel, and coordination with the City of Newark as it advances redevelopment planning. Special focus will include transportation modeling as well as brownfields and resilience assessments.

**Products**

- Technical assistance report
- Inventory of brownfield sites and GIS mapping

**Project Cost**

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
RP307	Livable Communities Planning	Central Staff	\$576,724
RP307.002.27	FY 2027 Vibrant Communities Initiative	Subrecipient	\$225,300
RP307.008.27	Dayton Neighborhood Transit Redevelopment	Subrecipient	\$150,200



# Freight Planning

## **Task FP401 FREIGHT PLANNING AND COORDINATION**

*Task Leader:* Jakub Rowinski

### *Goals*

This task aims to foster collaboration between the public and private sectors to address the needs and mitigate the impact of goods movement in the region. This effort is guided by the Freight Initiatives Committee (FIC) and includes outreach with subregions, NJDOT, NJ TRANSIT, PANYNJ and the private sector.

### *Description*

Northern New Jersey is the center of freight distribution for the northeastern United States and is one of the most significant concentrations of freight operations and activities in Northern America. The NJTPA region is home to the largest seaport on the East Coast, a large international airport and extensive warehousing and distribution centers. Goods movement is essential to the well-being of the state's residents and economy. This task allows for intra-agency coordination to ensure the needs of shippers and the goods movement industry are reflected in all NJTPA planning efforts, and that goods movement planning also reflects NJTPA's goals for sustainable communities, livability, transportation choices and economic competitiveness. Freight planning work considers federal policies and investment, especially with regard to the LRTP update. This task provides for comprehensive outreach with the NJTPA subregions, NJDOT, NJ TRANSIT, PANYNJ and the private sector, to identify and address the region's goods movement needs. It builds on previous coordination with statewide and regional initiatives, including continued coordination with neighboring MPOs. The FIC guides this work. Additional activities in this task include recommending, specifying, and where appropriate, pursuing implementation of solutions to problems and opportunities identified in previous and ongoing NJTPA studies on issues such as the truck parking shortage, impediments to national standard rail freight access, the growing cargo movements at the Port, truck traffic management, potential marine highway operations, and rail grade crossing improvements.

### *Continuing Long-term Task Activities*

- Manage Freight Concept Development Program.
- Develop and/or disseminate relevant information on important issues concerning goods movement to Central Staff and subregions. Update the freight section of the NJTPA website. Work with Task 206 to maintain the Freight Activity Locator.
- Provide technical support to the FIC, including regular briefings for the committee chair and vice chair on staff activities and freight issues of regional significance. Work with the chair and vice chair to develop meeting agendas, arrange for speakers and coordinate with Task 702.
- Serve as freight subject matter experts on technical advisory committees, intra-agency studies and other partner agencies and subregional efforts impacting the NJTPA region. Coordinate with subregions, partner agencies, other MPOs, the private sector and internally on freight performance measures, truck parking initiatives, truck electrification, freight considerations in complete streets, national standard rail freight, grade crossing improvements, and marine highway initiatives.
- Continue outreach activities such as participating in relevant regional planning events, subregional meetings and field visits, and meetings of other MPO freight committees, private sector businesses and organizations, and state and national freight committees. Support the NJDOT Freight Advisory Committee.

***New Task Activities***

- Manage E-commerce Delivery Mitigation Project (June 2028).

***Key Deliverables***

- Agendas and content for FIC meetings.
- FY 2025 Freight Concept Development Program Studies Concept Development Reports.
- Updated Freight Activity Locator Hub Site.
- Report on E-commerce Delivery Mitigation Strategies.

***Contractual/Consultant Activities***

- ***Task FP401.004.27 : E-Commerce Delivery Mitigation***

***Project Manager:*** Jakub Rowinski

***Schedule:*** Two Fiscal Year Effort

***Description***

The continuing growth in e-commerce deliveries has resulted in adverse effects throughout the NJTPA region. This effort will clearly define these impacts based on place type. It will research effective mitigation strategies to address these adverse impacts and develop an issue-solution matrix. It will then develop and advance a micro distribution hub concept. It will identify appropriate location(s), core participants, their roles and responsibilities and a sequence of steps to complete for a successful implementation. This work will be completed by NJIT and The City College of New York.

***Products***

- Final Report defining adverse effects of the increase in e-commerce deliveries and identifying appropriate mitigation strategies.
- Micro Distribution Hub Concept Plan

***Project Cost***

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
FP401	Freight Planning and Coordination	Central Staff	\$707,435
FP401.004.27	E-Commerce Delivery Mitigation	Subrecipient	\$350,400

# Capital Programming

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## **Task CP501 TRANSPORTATION IMPROVEMENT PROGRAM**

**Task Leader:** Vanessa Koenigkramer

### **Goals**

To improve the region's surface transportation network by developing and maintaining a fiscally constrained, multi-modal, multi-year TIP and Study and Development (S&D) Program that details the financial resources to advance the LRTP goals and implement the program. This task also aims to enhance the partnership with other agencies and the public through Board and standing committee meetings and by disseminating information online about the NJTPA's investment and planning decisions as well as on-going TIP revisions.

### **Description**

This task provides transportation financial planning, capital programming and TIP management for the NJTPA region, which includes monitoring the status and progress of the region's transportation investments and administering modifications to the program. Central Staff works with state, regional, and federal planning partners to identify financial resources available from public and private sources to implement a fiscally constrained TIP and LRTP, which also complements the Statewide Transportation Improvement Program (STIP). Capital programming staff coordinates with the Systems Planning Division regarding performance-based planning and programming (PBPP) processes, the RCIS, the project prioritization and scoring process, congestion management, and air quality conformity in the development and maintenance of the regional TIP (including tracking and programming competitive grants).

Capital programming staff assists the Regional Planning Division in the development of the LRTP and to advance recommendations from subregional studies into the S&D program. Staff facilitates TIP discussions with Local Project Development, Planning, and Finance and Administration Departments during bi-annual TIP development and when any interim funding revisions are needed. The TIP is updated every two years; NJTPA Board of Trustees adopted the current FY 2026-2029 TIP and FY 2026 S&D program in September 2025. As part of the TIP project intake process, Central Staff participates in NJDOT's CPSC and CPC meetings and serves as liaison with Systems Planning and members of the RTAC to convey NJTPA findings of related studies and project concerns. The TIP selection process is guided by the NJTPA's project prioritization and scoring process that aligns with the guidelines in federal authorizations and the goals of the Long Range Plan. New projects to the TIP (including local projects for concept development) are evaluated for factors related to Safety, State of Good Repair, Economic Competitiveness, Accessibility/Mobility, Resilience, Land Use, and Opportunities for All.

TIP management consists of three core subtasks: (1) TIP updates and revisions based on an approved Memorandum of Understanding (MOU) among NJDOT, NJ TRANSIT, and the NJTPA; (2) reporting functions (including online project information) to keep Board members and the public apprised of project status; and (3) year-end obligation reporting. Staff uses the eSTIP application for coordinating revisions of the TIP internally and with its partner agencies. In addition to communicating the TIP and capital programming process with its Board members, stakeholders, and the public, Central Staff is responsible for maintaining the NJTPA Online Transportation Information System (NOTIS), which serves as a comprehensive project monitoring and reporting system to help the NJTPA manage and analyze the TIP, and share project data with internal and external parties, including the public.

### **Continuing Long-term Task Activities**

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- Develop and adopt the bi-annual TIP and appendices; this includes developing the project pool with partner agency and subregional input, ranking new projects in accordance with the project prioritization and scoring process guidelines, negotiating the draft Transportation Capital Program (TCP), assessing and reporting system performance as per recommendations of the Federal Certification Review, engaging the public in the TIP development process, preparing and distributing the TIP documents for review, and preparing the S&D Program.
  - Maintain coordination with federal agency representatives on changes in federal transportation planning and programming requirements and prepare self-certification documents in accordance with 23 CFR § 450.336, concurrent with the submission of the TIP.
  - Analyze and prepare required documentation for TIP amendments and modifications (including competitive grants), consistent with federal regulations and procedures set forth in the MOU. Coordinate with local, state and federal agencies for inclusion in the eSTIP. Update the NJTPA website as needed with all changes. Prepare the annual listing of TIP modifications and amendment summary report. Update the TIP appendix on performance measures, targets, and goals.
  - Track and report progress of TIP projects and programs and S&D projects on a monthly and quarterly basis and post the status on NOTIS. Prepare region specific documentation of the requested changes to project schedules and/or funding and advise the affected subregion. Respond to internal/external project-related requests for information, such as funding and project delivery updates/project completion status.
  - Participate in the NJDOT CPSC and CPC meetings. Prepare region specific documentation of the requested changes to project schedules and/or funding and advise the affected subregion of pending NJDOT actions. Submit comment forms to NJDOT and address feedback from the NJTPA and local agencies at the relevant CPSC and CPC meetings. Track disposition of problem statements and provide a report on status, as needed.
  - Produce year-end obligation and modification and amendment report. Evaluate the TIP relative to planned project schedule and costs versus actual project delivery and federal funding authorizations as well as alignment with the RCIS.
  - Collaborate with NJDOT and subregions in developing financial plans and annual updates for projects with costs over \$100 million in federal funding, as needed. Inform the RTAC and Project Prioritization Committee on initial financial plans and annual financial plan updates.
  - Investigate innovating financing techniques and federal regulations resulting from the IJA and state policies, particularly as they pertain to capital programming. Assess local funding opportunities and assist with planning and programming efforts in coordination with local, state, and federal partners for federal funding programs and competitive grants, as needed, to ensure planning priorities and regional needs are met. Continue regular meetings with FTA and FHWA to build relationships and understand policy changes that affect programming of competitive and congressionally directed spending projects. Track competitive funding awards and coordinate with local public agencies (LPAs) to program projects in eSTIP in accordance with the MOU for Statewide Procedures for the TIP/STIP Revisions, so that funding can be tracked throughout the project delivery process for authorization and ultimately completion. Assist LPAs' during TIP development for project inclusion in the TIP and between TIP updates by revising programmed funding as needed.
  - Collaborate and provide capital programming support and other TIP-related activities on performance measures (Task 201), RCIS (Task 201), air quality planning (Task 205), PRIME (Task 203), LRTP (Task 301), carbon reduction planning (Task 306), LCPD program (Task 601), and other programs as needed.

- Continue to coordinate and meet with Eastern Federal Lands Highway Division during TIP Development. Look for opportunities for further collaboration in the programming process.

***Continuing Short-term Task Activities***

- TIP Project Criteria Application Support (June 2027).

***New Task Activities***

- Development of the draft FY 2028-2031 TIP (June 2027).
- Coordinate with IT department to migrate TIP archival data from Microsoft Access to SQL Server (June 2027).

***Key Deliverables***

- FY 2028 draft TIP, including self-certification documents.
- FY 2028 draft S&D Program.
- TIP modifications and amendments.
- Updates to NOTIS website (including TIP and S&D project status information), as needed.
- Year-end obligation report of annual TIP element.
- Financial plans for federally funded projects with costs over \$100 million, as needed.
- Tracking and reporting competitive federal grants

***Project Cost***

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
CP501	Transportation Improvement Program	Central Staff	\$1,020,171

# Local Project Development

## **Task LP601 LOCAL CAPITAL PROJECT DELIVERY PROGRAM**

**Task Leader:** Sarbjit Kahlon

### **Goals**

The NJTPA assists member subregions in carrying out specific transportation planning activities that help advance goals, objectives, principles, plans and projects as set forth in the LRTP. The Local Capital Project Delivery Program (LCPD) will help advance the mission of the NJTPA by linking transportation planning with environmental planning by following the Planning and Environmental Linkages (PEL) approach. This will lead to designing better projects while avoiding and minimizing impacts on natural resources.

### **Description**

The LRTP identifies several principles that govern NJTPA's approach to regional transportation planning. These principles include giving the highest funding priority to maintaining and repairing existing infrastructure. The LCPD Program allows subregions to advance local "fix it first" type projects through the NJDOT/FHWA project delivery process. Sponsors will identify problems and needs within their respective subregions and if selected, would have an opportunity to develop projects through the project delivery process. Additional information on the LCPD Program is provided on the NJTPA's website.

### **Continuing Long-term Task Activities**

- Overseeing all projects in the LCPD Program to ensure they remain on schedule, and within scope and budget in various phases of project development.

### **Continuing Short-term Task Activities**

- Completing all Local Concept Development (LCD) project deliverables, including: project purpose and need statements, reasonable alternatives and strategies that address the purpose and need, comprehensive and equitable public, local official and stakeholder engagement and outreach and selection of a preliminary preferred alternative (PPA). (June 2027)
- Coordinating with consultants and subregions to complete all Local Preliminary Engineering (LPE) deliverables, including: performing engineering tasks and technical environmental studies in order to obtain formal community consensus (through public meetings) of the study; agency consultation and concept level mapping and design; and developing property acquisition and project cost estimates for future phases of work. (June 2027)
- Monitoring local Transportation Trust Fund money as projects advance through the project delivery process. (June 2027)
- Advancing former Local Scoping Program projects through the project delivery process. (June 2027)
- Quarterly status reports for LCD and LPE projects. (June 2027)
- Update the Online Interagency Planning Management System (OIPMS) project management tool for all local programs and integrating with NOTIS. (June 2027)

### **New Task Activities**

- Local Programs team will participate in grade crossing railroad diagnostic team meeting with NJDOT-Bureau of Utilities and Railroad Safety. At these in field diagnostic team meetings staff will identify concerns and make recommendations. The diagnostic team meetings will be documented in the Memorandum of Record (MOR). (June 2027)

**Key Deliverables**

- Review and edit the Memorandum of Record (MOR) for accuracy based on the Diagnostic team meetings
- Project status reports and programmatic financial reports for all active projects in the LCPD program.
- Updated manual, solicitation materials for FY 2028

**Project Cost**

Task Id	Task Activity	Budget Line Item	Total
LP601	Local Capital Project Delivery Program	Central Staff	\$565,555

**Task LP602 LOCAL SAFETY PROGRAMS**

**Task Leader:** Adam Iaccheo

**Goals**

Enhancing travel safety is critical to the NJTPA's mission to meet the travel needs of the regions residents. Through the RCIS, the Board of Trustees stated that safety investments should increase in future investment plans. The Board has demonstrated its leadership in planning and programming new safety improvements that address some of the region’s most pressing safety needs.

**Description**

The efforts under this task align with the New Jersey's 2025 Strategic Highway Safety Plan and the State's goal of zero roadway fatalities by 2040. These efforts also align with NJTPA's Long Range Transportation Plan's goals of enhancing safety across all modes of travel and maintaining a safe, secure and reliable transportation system. Projects advanced under this task also incorporate FHWA's proven safety countermeasures and improve safety for vulnerable road users.

Local Safety Program (LSP) and High Risk Rural Roads Program (HRRRP): Since 2005 and 2009, respectively, these two programs have been providing FHWA Highway Safety Improvement Program (HSIP) funds for the construction of safety improvements on county and local roads. There are more than 50 projects currently in the project development pipeline that will advance to construction using HSIP funds through 2030 which include more than 650 intersections, 50 corridors and 14 modern roundabouts. The most recent solicitation of projects in FY 2025 included 14 applications. Twelve projects selected from this solicitation and approved by our Board will advance as the FY 2026 Subregional Safety Improvements Program (SSIP).

Subregional Assistance with Studies and Analyses (SASA): This effort began in 2019 and will continue to assist subregions in developing and evaluating potential safety improvements to meet the requirements of NJTPA's safety program application. The assistance includes crash analyses, traffic data collection, signal warrant analyses, lighting analysis, conceptual layouts, construction cost

estimates, evaluation of potential ROW impacts, Highway Safety Manual calculations, cost benefit analysis, etc.

Subregional Engineering Assistance Program (SEAP) (formerly LSEAP): Since 2013, NJTPA has provided consultant support for the advancement of safety projects through the Preliminary Engineering (PE), Final Design (FD) and Right of Way Acquisition (ROW) phases of the federal project development pipeline to reach construction authorization. Staff will continue to take the lead in consultant contract administration while project sponsors are the technical leads in the preparation of final plans, specifications and cost estimates (PSEs documents) for construction authorization.

Road Safety Audits (RSA): These audits have been conducted in the NJTPA region since 2010. While NJDOT Bureau of Safety, Bicycle & Pedestrian Programs leads this consultant effort, NJTPA staff work with subregions to select locations and assist with the field audit. The recommendations from RSAs are most often used to develop applications to the safety program.

The Safety Assessments and Pedestrian County Update consultant effort is currently underway and includes Pedestrian Lighting Analyses, Intersection Control Evaluations and Pedestrian Counts.

The Pilot Safety Improvements and Morris County Trail Crossings project is currently underway and will assist the County in developing a set of PSEs for construction authorization.

There are three new efforts that will be advanced by Central Staff in FY 2027 and include:

- A database of locations with accessibility issues will be created in the form of a map produced in ArcGIS. Information will be gathered from Road Safety Audits and other planning studies as a starting point and cross-referenced with current and completed projects. Additional data will be collected from various meetings such as the NJ Transit Senior Citizen & Disabled Residents Transportation Assistance Program (SCDRTAP) Citizens Advisory Committee. The database will be updated periodically as new studies are completed. This effort would document gaps formally, clarify which agencies have jurisdiction, and involve collaboration with sub-regions and partner agencies such as NJ Transit. Overall, the project will provide a foundation for targeted solutions across the NJTPA region.
- Central Staff will create a database of bike lanes throughout the NJTPA region in order to create a repository for bikeway information and to highlight the NJTPA region's progress in the implementation of this Proven Safety Countermeasure. Several subregions have bike master plans that include existing and proposed bikeways. There are numerous federally funded projects in development under the former Local Safety, Transportation Alternatives and Safe Routes to School programs that include new bikeways/bike lanes. This database would allow the NJTPA to track bikeway implementation progress and cross reference locations with crash data. Information would be gathered from our subregions, existing and completed subregional planning studies, and projects in development. The database would include roadway classifications, volumes, lane configurations, speed, SRI and milepost limits, bikeway types, etc. Bikeway types would be identified using FHWA's 2019 Bikeway Selection Guide and NATCO's 2025 Urban Bikeway Design Guide - NACTO. A webpage would be created with an interactive map of the locations.
- Central Staff will select four consultants for the FY 2027 Subregional Engineering Assistance Program (SEAP) to advance 9 projects from the FY 2026 Subregional Safety Improvements Program that are seeking assistance in the development of PSEs in order to obtain construction authorizations.

### ***Continuing Long-term Task Activities***

- Daily oversight of the entire portfolio of safety programs (SSIP, SEAP, SASA) including programmatic updates, budget development and changes, consultant oversight, support to NJDOT with the Annual Safety Report and other efforts related to improving efficiency of the programs.
- Continued participation in NJDOT-led Road Safety Audits (RSA) including the selection of future locations.

### ***Continuing Short-term Task Activities***

- FY 2018 LSEAP: Oversight of three consultants advancing 7 remaining projects through FD and ROW phases of the project development process to achieve federal authorization for construction (construction authorizations: December 2026 - June 2028)
- FY 2020 LSEAP: Oversight of four consultants advancing 14 projects through the PE phase, CED approval, FD and ROW phases (construction authorizations: December 2027 - June 2030)
- FY 2024 LSEAP: Oversight of five consultants advancing 18 projects through the PE phase, CED approval, FD and ROW phases (construction authorizations: December 2028 - June 2030)
- FY 2026 Subregional Assistance with Studies and Analyses (SASA): RFP development, solicitation, consultant selection, award and oversight of consultant and program (June 2028)
- Oversight of Safety Assessments and Pedestrian Count Update consultant (June 2027)
- Oversight of Pilot Safety Improvements at Morris County Trail Crossings consultant (December 2029)

### ***New Task Activities***

- Identifying non-ADA compliant locations near Transportation Hubs and Bus Stops in the NJTPA Region and developing a new database (December 2028)
- Developing a database and interactive map of existing and proposed bikeways (December 2028)
- FY 2027 Subregional Engineering Assistance Program (SEAP): Consultant selection for the advancement of 9 safety projects from the FY 2026 Subregional Safety Improvements Program (SSIP) (December 2034).

### ***Key Deliverables***

- Database of ADA needs near Transportation Hubs and Bus Stops in the NJTPA Region (December 2028)
- Database and Interactive webpage of bike lanes (December 2028)
- Final PSEs and construction authorizations for projects in FY 2018 LSEAP, FY 2020 LSEAP, FY 2024 LSEAP and FY 2027 SEAP
- Safety assessments reports and 100 pedestrian counts for 15 subregions (June 2027)
- Final PSEs and construction authorization for the Pilot Safety Improvements at Morris County Trail Crossings project (December 2029)

- Data collection (traffic counts, crash analysis, existing conditions), alternative analysis, conceptual layouts and construction cost estimates for locations selected by the subregions for the FY 2026 Subregional Assistance with Studies and Analyses (SASA) program.

**Contractual/Consultant Activities**

- **Task LP602.002.27 : FY 2027 Subregional Assistance with Studies & Analyses**

**Project Manager:** Adam Iaccheo

**Schedule:** Two Fiscal Year Effort

**Description**

This will be a contract modification to add funding to the FY 2026 Subregional Assistance Studies & Analyses (formerly FY26 LSP Study & Analysis Technical Assistance). Additional funding is needed to use the most current data to develop a Network Screening list specific to each Subregion.

**Products**

- A concise High Injury Network list for each Subregion, fifteen (15) total, accompanied by a written explanation of methodology utilized to create the High Injury Network lists including data sources and date ranges.

**Project Cost**

Task Id	Task Activity	Budget Line Item	Total
LP602	Local Safety Programs	Central Staff	\$932,468
LP602.002.27	FY 2027 Subregional Assistance with Studies & Analyses	Consultant	\$300,300

**Task LP603 TRANSPORTATION ALTERNATIVES AND SAFE ROUTES TO SCHOOL**

**Task Leader:** Mark Serrano

**Goals**

The NJTPA assists member subregions in carrying out specific non-traditional transportation planning activities that also help accomplish the goals, objectives, principles, policies, plans and projects set forth in the LRTP. The Transportation Alternatives Set Aside (TASA), Regional Transportation Alternatives Set Aside Program (RTASA) and the Safe Routes to School (SRTS) Program help advance the mission of the NJTPA by providing funding to the subregions for non-motorized transportation and enhancement projects, thereby linking transportation planning with environmental protection and quality of life goals for the region. The RTASA advances projects eligible for TASA with construction costs greater than \$1 million dollars. The SRTS Program focuses on encouraging children to walk and bicycle to school.

**Description**

The TASA Program has seven funding categories: On- and off-road trail facilities; Abandoned railroad corridors for trails; Turnouts, overlooks and viewing areas; Preservation of historic

transportation facilities; Community improvement activities; Environmental mitigation; and Reduction of vehicle-caused wildlife mortality. NJDOT sub allocates 50 percent of its TASA funds, which are proportionately split among the three MPOs. NJTPA will continue to partner with NJDOT on the solicitation process, including sitting on the statewide technical review committee, which short lists applications for recommendation to the NJDOT Commissioner. The recent round of RTASA added one new project in the region. The active RTASA projects are expected to conclude in FY 2026. The SRTS Program funds infrastructure projects including planning, design and construction or installation of sidewalks, crosswalks, signals, traffic calming and bicycle facilities. Projects must also be located within two miles of a school K-12.

***Continuing Long-term Task Activities***

- Continued coordination with NJDOT to monitor programmatic changes and project implementation on the TASA, RTASA and SRTS programs including updates to the program status spreadsheets

***Continuing Short-term Task Activities***

- Monitor Regional TASA projects in the NJTPA region. This includes attending all project status meetings and working with subregional project managers to troubleshoot issues as they arise. (June 2027)
- Continue serving on the Technical Advisory Committee for the TASA and SRTS programs. (June 2027)
- Staff will assist with reviewing and selecting applications for an anticipated SRTS FY 2026 solicitation (August 2026).

***Key Deliverables***

- Add new TASA projects (FY 2025 Solicitation) and SRTS projects (FY 2026 solicitation) to the program tracking spreadsheets

***Project Cost***

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
LP603	Transportation Alternatives and Safe Routes to School	Central Staff	\$120,709

# Public and External Affairs

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## **Task PA701 PUBLIC INVOLVEMENT/OUTREACH**

**Task Leader:** Winstina Hughes

### **Goals**

Raise awareness of the NJTPA by informing the public, elected officials, regional stakeholders and others about agency activities and providing them with various opportunities for meaningful participation in the metropolitan planning process.

### **Description**

Staff will work to engage the public and stakeholders through public meetings, special events, outreach activities, NJTPA attendance at relevant conferences, publications, the NJTPA website and social media, among other activities. This task also includes implementing innovative approaches to communications and outreach; continued promotion of the NJTPA's highly successful Street Smart NJ pedestrian safety program; and coordination with Tribal Nations on NJTPA projects and programs. In all these activities, the NJTPA will actively encourage participation by the full range of the region's populations in the transportation planning process.

### **Continuing Long-term Task Activities**

- Supporting transportation planning work by editing documents; preparing publications, videos and other educational materials; updating the InTransition online magazine; publishing online newsletter; and maintaining a photo library and other resources.
- Maintaining social media accounts and the website.
- Evaluating progress of public outreach and participation through objective measures such as website traffic, media mentions, social media followers, etc.
- Educating and involving the public, elected officials, and regional stakeholders in the planning process, in accordance with the NJTPA Public Engagement Plan.
- Improving engagement with populations that are underrepresented in the transportation planning process, including children and young adults.
- Coordinating Street Smart NJ pedestrian safety campaigns and refining strategies as needed.

### **New Task Activities**

- Implement the agency's state-required Language Access Plan.
- Launch an NJTPA podcast.

### **Key Deliverables**

- Public Engagement Plan for Board Adoption (September 2027)
- Podcast recordings posted online.
- Inventory of translated documents, as required under the Language Access Plan.
- Videos on transportation issues and the metropolitan planning process.
- Articles for InTransition online magazine website.
- NJTPA Update blog posts on the website, compiled and distributed periodically via the e-list.

**Contractual/Consultant Activities**

**• Task PA701.001.27 : FY 2027 Innovative Public Engagement**

**Project Manager:** Ted Ritter

**Schedule:** One Fiscal Year Effort

**Description**

Rutgers University-Voorhees Transportation Center-Public Outreach and Engagement Team will provide innovative public outreach support under two main tasks (plus a third task for project admin) including: targeted/specialized outreach for the NJTPA’s updated Regional Active Transportation Plan and continued engagement of the UpNext North Jersey young adults’ advisory group.

**Products**

- Plan, conduct, document specialized outreach for the Regional Active Transportation Plan update, including draft and final reports.
- Project administration, including conducting regular bi-weekly check-ins with agendas and preparing comprehensive draft and final reports that summarize all work completed across tasks and highlight lessons learned.
- Create an engagement plan for the UpNext North Jersey young adults’ advisory group, organize and document at least four events, and produce both draft and final reports summarizing the work.

**Project Cost**

Task Id	Task Activity	Budget Line Item	Total
PA701	Public Involvement/Outreach	Central Staff	\$1,569,125
PA701.001.27	FY 2027 Innovative Public Engagement	Subrecipient	\$100,100

**Task PA702 COMMITTEE SUPPORT**

**Task Leader:** Mariluz Garcia-Diaz

**Goals**

Provide support for committee and Board meetings, which serve as key forums for deliberation and decision-making by the NJTPA Board of Trustees.

**Description**

The meetings supported by this task are an essential function of the NJTPA, serving as the forum where the Board guides regional transportation planning and makes funding allocations. This task provides the technical, clerical, and logistical support needed to conduct meetings that address the transportation, environmental, business, and goods movement interests of the NJTPA.

**Continuing Long-term Task Activities**

- Arranging presentations for meetings and special events, featuring experts on transportation topics for the benefit of Board members, staff, subregions and the public.
- Meeting accessibility is ensured by livestreaming all Board meetings and archiving the recordings on the NJTPA YouTube channel.
- Board communications involve preparing talking points and speeches for Board members to use during meetings and events related to NJTPA projects and programs.
- Committee and forum support is provided to assist committee and Board members, and meet other requirements outlined in the Public Engagement Plan.
- Meeting logistics and administration include providing logistical and administrative support for all NJTPA Board and standing committee meetings. This work involves developing and distributing agendas, resolutions, policy papers, and other supporting documents, as well as preparing meeting minutes.

**Key Deliverables**

- Meeting agendas, supporting documents and minutes.
- Fact sheets about projects and programs for NJTPA Board members (as needed).

**Project Cost**

Task Id	Task Activity	Budget Line Item	Total
PA702	Committee Support	Central Staff	\$617,726

**Task PA703 INTERAGENCY COLLABORATION AND EXTERNAL AFFAIRS**

**Task Leader:** Melissa Hayes

**Goals**

Coordinating work, sharing information and collaborating with neighboring MPOs, other agencies, commissions, national organizations, elected officials and policymakers, while also informing NJTPA Board members and staff, as well as the public, about legislative and policy issues affecting the work of the NJTPA.

**Description**

This task is an ongoing activity to inform NJTPA Trustees, RTAC members and Central Staff on key federal and state legislative, regulatory, policy and funding developments and to inform federal and state legislators and policymakers about the NJTPA’s work and activities. It also involves research and reporting on best practices of MPOs and other organizations nationwide relevant to the work of NJTPA and guiding its strategic directions. This task includes regional coordination with neighboring MPOs and other relevant agencies/commissions.

**Continuing Long-term Task Activities**

- Coordinating with neighboring MPOs, particularly through the MAP Forum and the Central Jersey Transportation Forum, as well as other agencies and commissions, planning partners, nonprofit organizations, etc.

- Communicating with the New Jersey Legislature, staff of the New Jersey Congressional delegation, New Jersey Office of Planning Advocacy, Association of Metropolitan Planning Organizations (AMPO), National Association of Regional Councils (NARC), and other groups to provide additional context and information to staff and the Board on relevant developments.
- Researching and monitoring MPO policies and best practices from around the country that are applicable to the NJTPA planning process. Insights from these activities become the basis for updating strategic directions guiding the NJTPA Board and will be incorporated as appropriate into the annual UPWP.
- Monitoring development of federal and state regulations and offering input when appropriate. This includes staff coordination with other MPOs and regional bodies through AMPO and NARC.
- Monitoring regulatory and policy developments related to federal transportation authorization, and providing information to executive level staff and Board members on key issues.
- Reports, resolutions, and related materials for use by Central Staff, the Board of Trustees and committees.
- Presentations on federal and state issues to NJTPA Board members.
- Assisting with maintenance of MAP Forum website.
- Coordinating the Morris Canal Working Group and maintaining the Morris Canal Greenway website.

***Key Deliverables***

- Policy research/reports for Board members and federal and state lawmakers. (as needed)

***Project Cost***

<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
PA703	Interagency Collaboration and External Affairs	Central Staff	\$398,152

# Information Systems

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## **Task IS801 INFORMATION SYSTEMS SUPPORT AND DEVELOPMENT**

*Task Leader:* Chris Roche

### *Goals*

This task supports the NJTPA's mission by developing and maintaining the agency's technological foundation and leveraging information technology to enhance regional transportation planning. This foundation serves as the platform, medium, and tools through which our technical and informational resources are developed and shared with the people of northern New Jersey.

### *Description*

This task provides the technological foundation and information technology solutions for the NJTPA's entire work program. The NJTPA's information systems comprise a networked infrastructure that includes multiple servers, switches, security and network appliances, routers, printers, staff workstations, and phone services. This task involves the development and administration of this infrastructure, including communications systems, cloud services, storage area networking, virtualization services, databases, data archival, messaging, VPN, web applications, Enterprise Resource Planning (ERP), E-GIS, videoconferencing, and web streaming services. Additionally, it includes end-user technical support for Central Staff and subregions, as well as maintenance for audio/video equipment and teleconferencing/webinars. The task also includes the proactive evaluation and implementation of new technologies that align with the goals outlined in the LRTP. Hardware, software, and services for agency and subregional deployment will be assessed for compatibility with existing systems. Support and development for the agency's software-as-a-service platforms and enterprise systems, including E-GIS and Microsoft 365, will be provided. The deployment and support of tools and technologies, including communication, collaboration, project management, and artificial intelligence, will also be managed. Cybersecurity and disaster recovery measures will be continuously implemented and maintained to ensure the resilience of the NJTPA's IT systems and data, guaranteeing high availability of agency resources. This includes the development, maintenance, and administration of data centers.

### *Continuing Long-term Task Activities*

- Development and administration of IT services, infrastructure, and security
- Maintenance of software licensing and compliance
- Support and development of Microsoft 365 services
- Research and procurement of software and hardware
- IT asset inventory and auditing
- Technical support to Central Staff and subregions, including end-user support, technical assistance, application maintenance, telephone system support, as well as updates, maintenance, and monitoring for individual workstations
- Support and development of video conferencing, streaming, recording and broadcasting solutions
- Support of the content management system and agency websites
- Deployment and support of communication, collaboration, project management, and artificial intelligence tools

### *Key Deliverables*

- IT technology budget

**Project Cost**

Task Id	Task Activity	Budget Line Item	Total
IS801	Information Systems Support and Development	Central Staff	\$655,840

**Task IS802 APPLICATIONS, SOFTWARE, AND DATABASE DEVELOPMENT**

*Task Leader:* Kaitlynn Davis

**Goals**

This task provides programming solutions and develops software tools for Central Staff, subregions, and other partner agencies. This task evaluates, recommends, and designs custom software solutions to address communication, data sharing, reporting and workflow needs to provide insights and analysis to meet the goals outlined in the LRTP. Additionally, this task supports and enhances existing applications, including those for reporting, data visualization, process automation, and project information systems.

**Description**

This task supports the delivery and maintenance of software systems that enhance planning and administrative functions across central staff, subregions, and partner agencies. It ensures effective data analysis, reporting, collaboration, and workflow optimization. The task also manages third-party software coordination and maintenance, promotes technical literacy through staff training, and drives adoption of emerging technologies. Key systems supported include project tracking (i.e., NOTIS), grant accounting (CTS), ERP and UPWP management tools, and enterprise platforms such as ArcGIS and SharePoint—ensuring seamless data integration and operational efficiency.

**Continuing Long-term Task Activities**

- Develop and maintain software applications and tools
- Provide technical training and support to central staff and subregions
- Maintain inventories of in-house applications, databases and software services
- Develop and maintain the UPWP Grant Management System
- Develop and maintain the SAP ERP system, including integrations with NJIT's ERP system and the UPWP reporting platform
- Develop data analytics, reporting and dashboard tools (SAP/UPWP/CTS systems)

**Continuing Short-term Task Activities**

- Continue to develop and refine project tracking and reporting functionality for the Local Programs Project Tracker (June 2027).
- Continue to evaluate and implement emerging Artificial Intelligence and data analytics tools (June 2027).

***New Task Activities***

- Release enhancements to Central Staff Activities system reporting, also known as UPWP Online (June 2027).
- Support Capital Programming in migrating archival TIP data to SQL Server (June 2027).
- Provide technical support and data updates as needed for newly released TIP scoring system (June 2027).

***Key Deliverables***

- Workflow enhancements in Central Staff Activities reporting system (UPWP Online).

***Contractual/Consultant Activities***

- ***Task IS802.001.27 : FY 2027 SAP Support Services***

***Project Manager:*** Gina Rodolico

***Schedule:*** Two Fiscal Year Effort

***Description***

Consultant support of the SAP ERP system implementation will continue in FY 2027 with an emphasis on optimizing the system to generate personnel and non-personnel financial reports and relevant information to inform all aspects of organizational operating decisions, performance, and delivery of NJTPA's work program. The consultant will upgrade and test the system to align with best practices and continue to provide maintenance of the software system, technical functional and basic support to refine system performance, and expand accessibility of project level data and reporting access to staff. Technical maintenance support and system configuration, maintenance, and performance monitoring will be provided to ensure: all components are secure and running efficiently, including the core system, the time entry and leave request FIORI portal, and BOBJ; exchange of information among components is running normally; backups are successfully completed; and timely troubleshooting system runtime errors, and problem resolutions. Data integrations across NJTPA ERP systems and with NJIT's new ERP system will be explored to make data retrieval more efficient. This project will also expand the system to track contracts from the RFP stage to execution and contract completion to facilitate grant and project management. The consultant will also support the NJTPA's efforts to develop key performance indicators and dashboards to highlight essential operating and project management data for management.

***Products***

- Monthly system performance and maintenance reports
- Key Performance Indicator Dashboard
- Technical specifications for report designs and functional modifications
- Quarterly log of SAP support service tickets to improve system functionality
- Annual Assessment and workplan

***Project Cost***

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<b>Task Id</b>	<b>Task Activity</b>	<b>Budget Line Item</b>	<b>Total</b>
IS802	Applications, Software, and Database Development	Central Staff	\$929,662
IS802.001.27	FY 2027 SAP Support Services	Consultant	\$400,400

## **APPENDIX A**

### **PLANNING EMPHASIS AREAS AND GOALS**



**NJTPA 2027 UPWP**  
**Program Area Activities - Response to Federal Planning Factors**

NJTPA Task Association	
P	Primary Association
S	Secondary Association

Federal Planning Factors											
Task No.	Task Title	I	II	III	IV	V	VI	VII	VIII	IX	X
<b>UNIFIED PLANNING WORK PROGRAM</b>											
WP101	UPWP Administration	S	S	S	S	S	S	S	S	S	S
WP102	Grants and Contracts Administration	S	S	S	S	S	S	S	S	S	S
<b>SYSTEMS PLANNING, DATA, and FORECASTING</b>											
SP201	Performance Measures and Data	P	P	P	P	P	P	P	P	P	P
SP202	Modeling and Forecasting	P	S	S	P	P	P	P	S	P	P
SP203	Congestion Management Process	P	S	S	P	P	P	P	S	P	P
SP204	Performance Based Advancement	P	P	P	P	P	P	P	P	P	S
SP205	Air Quality and Conformity Analysis	P	S	S	P	P	P	P	P	P	S
SP206	GIS, Data Resources and Planning Tools	P	P	S	P	S	S	P	P	S	S
SP207	Transportation Technology for Planning and Operations	P	P	P	P	S	P	P	S	P	S
<b>REGIONAL PLANNING</b>											
RP301	Long Range Planning	P	P	S	P	P	P	P	P	P	S
RP302	Planning Studies	S	S		P	S	P	P	S	S	S
RP303	Safety Planning		P	S	P		S				S
RP304	Subregional Pass Through Programs		S	P	P		P	P	S	S	S
RP305	Mobility Programs	S	P	P	P	S	P	S	P		S
RP306	Environmental Pollution Mitigation and Resilience	S	S	S	S	P	S	S	P	P	
RP307	Livable Communities Planning	S	P	P	P	S	P		S	S	S
<b>FREIGHT PLANNING</b>											
FP401	Freight Planning and Coordination	P	P	S	P	P	P	P	P	P	S
<b>CAPITAL PROGRAMMING</b>											
CP501	Transportation Improvement Program	P	P	P	P	P	P	P	P	P	P
<b>LOCAL PROJECT DEVELOPMENT</b>											
LP601	Local Capital Project Delivery Program	S	P	S	P	P	P	S	P	P	S
LP602	Local Safety Programs	S	P	S	S	S	S	P	P	P	S
LP603	Transportation Alternatives and Safe Routes to School	S	P	S	P	S	P	S	P	P	P
<b>PUBLIC AND EXTERNAL AFFAIRS</b>											
PA701	Public Involvement/Outreach	S	S	S	S	S	S	S	S	S	S
PA702	Committee Support	S	S	S	S	S	S	S	S	S	S
PA703	Interagency Collaboration & External Affairs	S	S	S	S	S	S	S	S	S	S
<b>INFORMATION SYSTEMS</b>											
IS801	Information Systems Support and Development	S	S	S	S	S	S	S	S	S	S
IS802	Applications, Software, and Database Development	S	S	S	S	S	S	S	S	S	S

LEGEND	
I	Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency
II	Increase the safety of the transportation system for motorized and non-motorized users
III	Increase the security of the transportation system for motorized and non-motorized users
IV	Increase accessibility and mobility of people and freight
V	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
VI	Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight
VII	Promote efficient system management and operation
VIII	Emphasize the preservation of the existing transportation system
IX	Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation
X	Enhance travel and tourism

**NJTPA 2027 UPWP**  
**Program Area Activities - Response to NJDOT MPO Transportation Priorities**

NJTPA Task Association	
P	Primary Association
S	Secondary Association

NJDOT MPO Transportation Priorities								
Task No.	Task Title	1	2	3	4	5	6	7
<b>UNIFIED PLANNING WORK PROGRAM</b>								
WP101	UPWP Administration	S	S	S	S	S	S	S
WP102	Grants and Contracts Administration	S	S	S	S	S	S	S
<b>SYSTEMS PLANNING, MODELING AND DATA</b>								
SP201	Performance Measures and Data	P	P	P	P	S	P	S
SP202	Modeling and Forecasting	P	S	P	P	P	P	S
SP203	Congestion Management Process	P	S	P	P	P	P	S
SP204	Performance Based Advancement	P	P	P	P	P	P	P
SP205	Air Quality and Conformity Analysis	P	S	P	P	P	S	S
SP206	GIS, Data Resources and Planning Tools	P	P	S	P	P	S	P
SP207	Transportation Technology for Planning and Operations	P	P	P	P	P	P	S
<b>REGIONAL PLANNING</b>								
RP301	Long Range Planning	P	P	P	P	P	P	P
RP302	Planning Studies	P	S	P	S	S	P	P
RP303	Safety Planning	P	P			S	P	S
RP304	Subregional Pass Through Programs	P	P	P	P	P	P	P
RP305	Mobility Programs	P	P	P	S		P	P
RP306	Environmental Pollution Mitigation and Resilience	S		P		S	S	S
RP307	Livable Communities Planning	P	P	S	S		P	P
<b>FREIGHT PLANNING</b>								
FP401	Freight Planning and Coordination	P	P	P	P	S	S	S
<b>CAPITAL PROGRAMMING</b>								
CP501	Transportation Improvement Program	P	P	P	P	P	S	P
<b>LOCAL PROJECT DEVELOPMENT</b>								
LP601	Local Capital Project Delivery Program	P	P	S	S	S	P	P
LP602	Local Safety Programs	P	P	S	S	S	P	P
LP603	Transportation Alternatives and Safe Routes to School	P	P	S	S	S	P	P
<b>PUBLIC AFFAIRS</b>								
PA701	Public Involvement/Outreach	S	S	S	S	S	S	P
PA702	Committee Support	S	S	S	S	S	S	S
PA703	Interagency Collaboration & External Affairs	P	P	S	S	S	P	P
<b>INFORMATION SYSTEMS</b>								
IS801	Information Systems Support and Development Applications, Software, and Database	S	S	S	S	S	S	S
IS802	Development	S	S	S	S	S	S	S

## NJTPA 2027 UPWP

### Program Area Activities - Response to NJDOT MPO Transportation Priorities

<b>LEGEND</b>		
<b>1</b>	<b>Interagency Coordination</b>	<ul style="list-style-type: none"> <li>• Enhance Economic Vitality and Safety: Collaborate with NJDOT and NJ Transit to meet federal surface transportation requirements, develop performance measures.</li> <li>• Improve Mobility, Accessibility, and Connectivity: Identify and prioritize mobility related issues utilizing system performance data, support data collection efforts</li> <li>• Improve Mobility, Accessibility, and Connectivity: Identify and prioritize mobility related issues utilizing system performance data, support data collection efforts</li> <li>• Ensure Resilience and Reliability: Partner with NJDOT and other agencies to implement risk management strategies for transportation infrastructure resilience and collaborate on strategies to reduce harmful emissions from the transportation sector.</li> </ul>
<b>2</b>	<b>Safety Planning</b>	<ul style="list-style-type: none"> <li>• Enhance Transportation Safety: Continue to prioritize implementation of the current Strategic Highway Safety Plan. Support the state's goal of zero fatalities through a Safe System Approach and a High-Injury Network for all projects in your regions.</li> </ul>
<b>3</b>	<b>Congestion Relief/Congestion Mitigation and Air Quality (CMAQ)</b>	<ul style="list-style-type: none"> <li>• Advance System Integration and Connectivity and Strengthen Resilience and Reliability: Facilitate the advancement and adoption of cleaner transportation options. Enhance air quality leveraging CMAQ and Carbon Reduction resources.</li> </ul>
<b>4</b>	<b>Freight Planning</b>	<ul style="list-style-type: none"> <li>• Promote Economic Vitality: Support strategies outlined in the 2023 Statewide Freight Plan.</li> </ul>
<b>5</b>	<b>Emerging Technologies and Intelligent Transportation Systems (ITS)</b>	<ul style="list-style-type: none"> <li>• Advance Collaborative Solutions for System Integration and Network Connectivity: Continue to develop and deploy intelligent transportation solutions that harness innovative systems and practices and continue to incorporate new and emerging technologies.</li> </ul>
<b>6</b>	<b>Active Transport Planning</b>	<ul style="list-style-type: none"> <li>• Enhance Economic Vitality and Safety: Support the development and implementation of the Statewide Bicycle and Pedestrian Master Plan (BPMP) and the New Jersey Target Zero Action Plan.</li> </ul>
<b>7</b>	<b>Outreach, Access and Engagement</b>	<ul style="list-style-type: none"> <li>• Improve Co-ordination with Communities: Implement actions that uphold fairness and improved coordination of services, access, and mobility for people with different transportation needs.</li> <li>• Enhance Transportation Safety: Prioritize safety for non-motorized travelers in disadvantaged and transit-dependent communities.</li> </ul>

**NJTPA 2027 UPWP  
Program Area Activities - Response to NJTPA LRTP Goals**

NJTPA Task Association	
P	Primary Association
S	Secondary Association

NJTPA Planning Goals								
Task No.	Task Title	A	B	C	D	E	F	G
<b>UNIFIED PLANNING WORK PROGRAM</b>								
WP101	UPWP Administration	S	S	S	S	S	S	S
WP102	Grants and Contracts Administration	S	S	S	S	S	S	S
<b>SYSTEMS PLANNING, DATA, and FORECASTING</b>								
SP201	Performance Measures and Data	P	P	P	P	P	P	P
SP202	Modeling and Forecasting	P	P	P	P	P	S	P
SP203	Congestion Management Process	P	P	P	P	P	S	P
SP204	Performance Based Advancement	P	P	P	P	P	P	P
SP205	Air Quality and Conformity Analysis	P	S	P	P	P	P	P
SP206	GIS, Data Resources and Planning Tools	P	S	P	P	P	P	P
SP207	Transportation Technology for Planning and Operations	P	P	P	S	P	P	P
<b>REGIONAL PLANNING</b>								
RP301	Long Range Planning	P	P	P	P	P	P	P
RP302	Planning Studies	P	P	S	S	P		S
RP303	Safety Planning	P	P	S		S		
RP304	Subregional Pass Through Programs	P	S	S	P	P		P
RP305	Mobility Programs	P	P	S		S	P	S
RP306	Environmental Pollution Mitigation and Resilience	P	S	S	P	P	S	S
RP307	Livable Communities Planning	P	P	S	S	P	S	P
<b>FREIGHT PLANNING</b>								
FP401	Freight Planning and Coordination	P	P	P	P	S	P	P
<b>CAPITAL PROGRAMMING</b>								
CP501	Transportation Improvement Program	P	P	P	P	P	P	P
<b>LOCAL PROJECT DEVELOPMENT</b>								
LP601	Local Capital Project Delivery Program	P	P	P	S	S	P	S
LP602	Local Safety Programs	P	P	S	S	S	P	S
LP603	Transportation Alternatives and Safe Routes to School	P	P	P	S	S	P	S
<b>PUBLIC AND EXTERNAL AFFAIRS</b>								
PA701	Public Involvement/Outreach	P	P	P	P	P	P	P
PA702	Committee Support	P	P	P	P	P	P	P
PA703	Interagency Collaboration & External Affairs	P	P	P	P	P	P	P
<b>INFORMATION SYSTEMS</b>								
IS801	Information Systems Support and Development	S	S	S	S	S	S	S
IS802	Information Systems Support and Development	S	S	S	S	S	S	S

LEGEND	
<b>A</b>	Ensure the transportation system meets the needs of all communities.
<b>B</b>	Make the transportation system safer for all travelers and reduce fatalities to zero by 2050.
<b>C</b>	Enhance system accessibility, efficiency, connectivity, and reliability for the movement of people and goods.
<b>D</b>	Make the system resilient to the impacts of extreme weather and other hazards.
<b>E</b>	Coordinate land use and transportation to create healthy and vibrant communities that reduce environmental and air quality impacts and support transit ridership, biking, and walking.
<b>F</b>	Maintain the transportation system in a state of good repair.
<b>G</b>	Increase the region's economic activity, sustainability, and competitiveness.