

FY 2028 Unified Planning Work Program

Development Process, Schedule
and Proposed New Activities

1

UPWP

- Required by USDOT to maintain the flow of federal funding (23 CFR 450.314)
- Summarizes and guides the transportation planning activities of the NJTPA staff, its member agencies and other transportation agencies in the region
- Covers activities to be completed in the next one- two- or three-years (for select projects)
- Updated annually

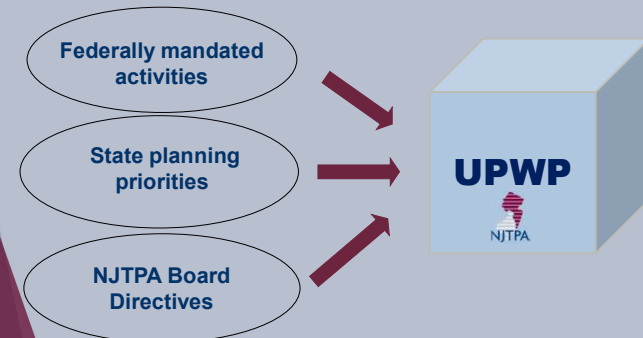
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UPWP Task Requirements

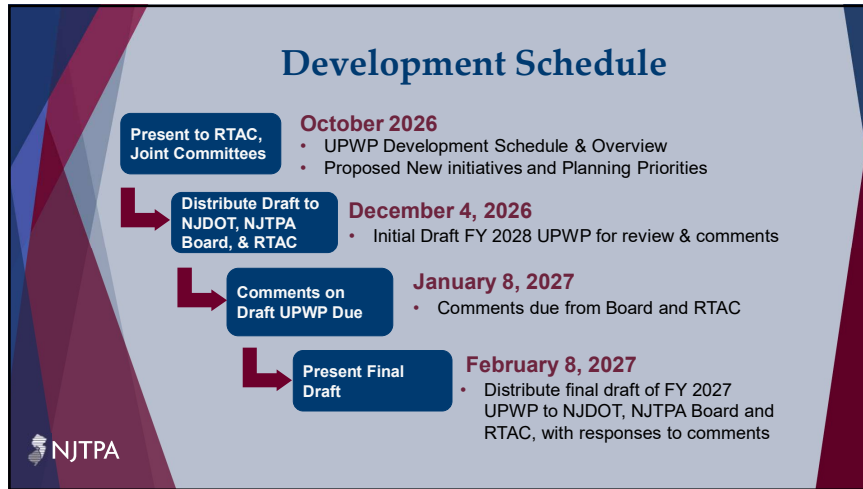
- Each task identifies:
 - Who will perform the work
 - Schedule for completing the work
 - Intended products to be produced

3

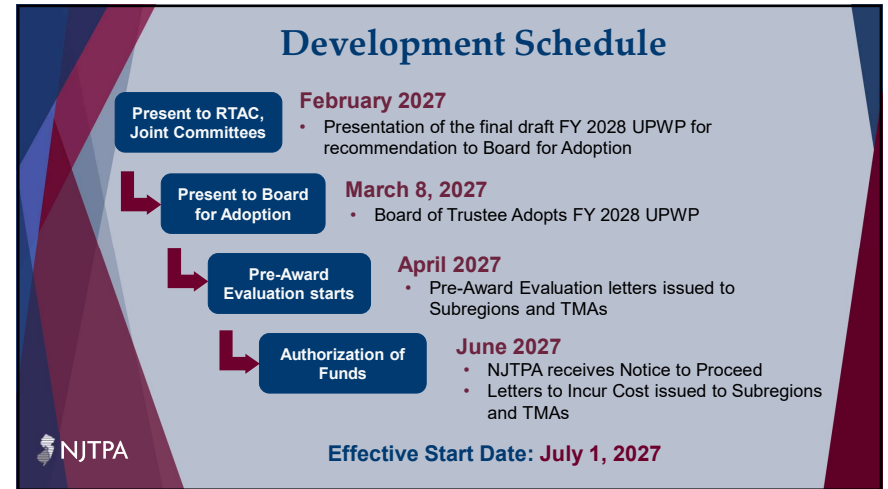
Development Process



4



5



6

Planning Priorities & Goals

- FHWA & FTA Metropolitan Planning Factors (23 CFR 450.306)
- NJDOT Statewide Planning Priorities
- NJTPA LRTP Goals (*Connecting Communities*)

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7

Document Organization

- Budget
- Chapter I: Central Staff Program Activities
- Chapter II: Subregional Pass-Through Programs
 - Subregional Transportation Planning Program
 - Subregional Studies Program
- Chapter III: Transportation Management Association Program
- Chapter IV: Other Regional Transportation Planning Initiatives

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8

Budget

- Shows anticipated revenue sources by type of fund
- Cost estimates by activity/task
- Breakdown of estimated costs
 - Salary, fringe, direct expenses, equipment, indirect costs, and contractual



Chapter I: Central Staff Activities

- Unified Planning Work Program
- Systems Planning, Modeling and Data
- Regional Planning
- Freight Planning
- Capital Programming
- Local Project Development
- Public and External Affairs
- Information Systems



Chapter II: Subregional Transportation Planning Program

- Transportation planning, programming and management, interagency coordination and public outreach
- Implements *Connecting Communities* and supports Central Staff activities
- Subregional staff work efforts
- One-year, formula funded grant program



Chapter II: Subregional Studies Program

- Subregional planning studies and initiatives
- Advances *Connecting Communities* – responds to federal planning factors
- Subregional staff and consultant supported efforts
- Two-year, competitive grant-funded program



Chapter III: Transportation Management Association Program

- Activities supporting transportation demand management, safety, enhancing transportation options, Complete Streets education and implementation, and air quality monitoring
- Implements *Connecting Communities* and supports Central Staff activities
- TMA staff support through a 1-year, formula funded grant program



13

Chapter IV: Other Regional Transportation Planning Initiatives

- Transportation planning and operating agency work efforts funded through other state, local or toll funds
- TMA work efforts funded through other state/local funds
- NJTPA Study & Development Program
- Competitive Federal Transportation Planning Grants
- NJDOT State Planning and Research Program



14

FY 2027 Central Staff Activities & New Activities Proposed for FY 2028



15

Unified Planning Work Program – Current FY 2027 Activities

- Preparation of annual work program
- Management of UPWP budget, task order agreements & modifications
- UPWP bi-annual progress reports
- Monthly invoices and status reports of consultant/subrecipient supported projects
- Continued integration & application of the federal guidance
- Training and professional development



16

Unified Planning Work Program – Current FY 2027 Activities

- Contract administration for consultant efforts and pass-through/subrecipient programs (RFPs and contract awards)
- NJTPA program audit and risk assessment/pre-award desk audit
- Assess/document organizational process and procedures
- Subrecipient monitoring and compliance (pre-award desk audits/risk assessments)
- Coordinate with IS UPWP Grant Management System maintenance and updates
- Title VI compliance, implementation and reporting



17

Unified Planning Work Program – Current FY 2027 Activities

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



18

Systems Planning, Data and Forecasting – Current FY 2027 Activities

- Regional Performance Measures updates, safety target setting
- Regional/county forecasts for 2029 LRTP (with NYMTC)
- Applications of RCIS in planning and programming
- Applications of the North Jersey Regional Transportation Model for planning and project development; bicycle model development
- Regional Household Travel Survey – adaptation of NYMTC data fusion update of earlier survey



19

Systems Planning, Data and Forecasting – Current FY 2027 Activities

- PRIME user support, entry of study findings, use in planning and project advancement
- Applications of Congestion Management Process (CMP) needs and strategies in focused (e.g., corridor) studies
- CMP consistency reviews of projects under development
- Updates to Level of Bicycle Compatibility index



20

Systems Planning, Data and Forecasting New for FY 2028

- NJRTM-E revalidation (potential use of NJ TRANSIT integrated model)
- PRIME 2.5 update, prototype chat interface
- Local forecasts for 2029 LRTP
- Analysis of Congestion Management Process (CMP) needs and strategies for LRTP
- Bus stop analysis/tool to assess access, markets, transit usability, safety
- Project development CMP consistency reviews and input



21

Analytical and Planning Tools – Current FY 2027 Activities

- Analyze transportation plans and programs for air quality emissions and develop the conformity determination
- Develop State Implementation Plan budgets with NJDEP
- Identify new TCAM projects and advance existing projects
- Develop CMAQ Performance Plan
- Acquire, process and upload new GIS datasets into the Open Data Portal



22

Analytical and Planning Tools – Current FY 2027 Activities

- Develop and maintain data for Title VI Plan
- Create visualization and analytical planning tools
- Advance GIS capabilities as the products and tools continues to grow
- Support the deployment of local ITS and signal optimization projects
- Support emerging technologies, such as connected and autonomous vehicles and how they affect transportation in the NJTPA region



23

Analytical and Planning Tools New for FY 2028

- Executive Capital Project GIS Based Dashboard/Status Viewer
- Air Quality Public Outreach: MPO Air Quality Initiatives
- Create Land Use Map Layer from Zoning Atlas Dataset
- Build Non-Residential Dataset for Zoning Atlas



24

Long Range Transportation Planning – Current FY 2027 Activities

- Bicycle, pedestrian and safety planning and coordination
- Active Transportation Plan Refinement (consultant supported)
- Advancement of Local Safety Action Plans (consultant supported)
- Oversee completion of two FY 2026-2027 Subregional Studies:
 - Middlesex and Passaic Counties



25

Long Range Transportation Planning New for FY 2028

- Financial Element for the Connecting Communities Update (2029) (In house effort)
- Initial analysis and outreach for the Connecting Communities Update
- Coordination for a statewide Active Transportation Plan
- Solicitations for the FY 2029 Subregional Transportation Program (STP) and the FY 2029-2030 Subregional Studies Programs



26

Long Range Transportation Planning New for FY 2028

Up to four two-year Subregional Studies Program studies:

- Bike Plan Advancement - Hunterdon
- Curb Management Plan – Jersey City
- Last Mile Micromobility Plan - Middlesex
- Update to Land Development Regulations – Somerset



27

Environmental and Sustainability Planning – Current FY 2027 Activities

- Advance Local Mobility Initiatives projects, including micromobility efforts
- Support TOD and transportation-land use integration through Planning for Emerging Centers studies
- Advance local Complete Streets studies and projects
- Advance resilience and emissions reduction efforts through research, regional collaboration, ongoing programs and municipal technical assistance
- Identify regional resilience capacity gaps and recommend ways the NJTPA can address them



28

Environmental and Sustainability Planning New for FY 2028



- FY 2028 Vibrant Places Program (subrecipient; 2-year contract)
- FY 2028 Complete Streets Technical Assistance (subrecipient; 2-year contract)
- Staff-led best practice guidance on how to integrate resilience and sustainability into TIP projects
- Staff-led initiative mapping hotspots of road closures and crashes caused by flooding

Freight Planning and Coordination – Current FY 2027 Activities



- Freight Initiatives Committee
- Freight Concept Development Program
- Internal and external coordination
- Maintain and update the Freight Activity Locator
- E-Commerce Study

Freight Planning and Coordination New for FY 2028

- Select new Freight Concept Development Program Projects
- Coordination with New Jersey Office of Planning Advocacy on industrial land use guidance

Capital Programming Current FY 2027 Activities

- Ongoing TIP Development & Management
- Ongoing Study & Development Program
- NJTPA Online Transportation Information System (NOTIS)
- Consultant support and refinement of the PPSP tool
- Greater involvement with Eastern Federal Lands Highway Division
- Capital Programming support on the LRTP, RCIS and air quality conformity determination

Capital Programming New for FY 2028



- Final development and adoption of the FY 2028 TIP
- Visualization of historical TIP data

Local Project Development – Current FY 2027 Activities

- Local Capital Project Delivery (LCPD) Program
- Subregional Assistance with Studies/Analysis (SASA) Program
- Local Safety/High Risk Rural Roads (LSP/HRRRP) and Subregional Safety Improvement (SSIP) Programs
- Local Safety Engineering Assistance (LSEAP) and Subregional Engineering Assistance (SEAP) Programs

Local Project Development Current FY 2027 Activities

- Pilot Safety Improvements at Morris County Trail Crossings
- Transportation Alternatives Set-Aside (TASA) & Safe Routes to Schools (SRTS) programs support
- Database development for non-ADA compliant locations near transportation hubs and bus stops in Hudson County
- Database development and interactive map of existing and proposed bikeways in the NJTPA region

Communications and Public Affairs – Current FY 2027 Activities



- NJTPA Next Stop: North Jersey Podcast (launching in January)
- Board and committee support
- Video and graphic design
- Website content management
- Publications
- Intergovernmental relations, monitoring policies/legislation

Outreach – Current FY 2027 Activities

- Public Engagement Plan
- Support specialized outreach
 - UpNext North Jersey
 - Outreach Liaisons
 - Kids/Teens
- Coordinate Street Smart NJ



37

Outreach New for FY 2028

- Long Range Transportation Plan Outreach (Consultant Effort)



38

Information Technology Current FY 2027 Activities

- IT Infrastructure, Services and Security Management: Administer and manage IT services, infrastructure, security operations, and Microsoft 365 service offerings, ensuring reliability, security, and continuous improvement.
- Technical Support, Training and Collaboration Solutions: Deliver technical support and training for Central Staff and subregions, including the development and maintenance of video conferencing, streaming, recording, and broadcasting solutions.
- Application Development and Systems Management: Design, develop, maintain, and enhance software applications and tools, including the administration and optimization of the UPWP Grant Management System.
- Data Analytics, Reporting and Business Intelligence: Develop and maintain advanced data analytics, reporting, and dashboard solutions supporting Workday, SAP, UPWP, and CTS systems.



39

Information Technology New for FY 2028

- IT Infrastructure & Security
 - Advance cloud readiness, infrastructure resilience, and backup strategies
- ERP Systems Integration and Enhancement:
 - Enhance the UPWP Grant Management and ERP systems, including integration with NJIT's Workday ERP system



40

FY 2027 Pass-Through Program Activities & New Activities Proposed for FY 2028



41

Subregional Transportation Planning Program

- Program Management
- Transportation Planning & Coordination
- Integrating Public Participation in the Ongoing 3-C Planning Process
- Capital Programming & Project Development



42

Subregional Studies Program

Two FY 2027 – FY 2028 Subregional Studies

- Hudson County School Zone Safety
- Monmouth County Coordinated Public Transit Human Services Transportation Plan

New for FY 2028 – FY 2029 (Proposed)

- Bike Plan Advancement – Hunterdon County
- Curb Management Plan – Jersey City
- Last Mile Micromobility Plan – Middlesex County
- Update to Land Development Regulations – Somerset County



43

TMA Program

- Required Goal Areas:
 - Accessibility
 - Coordinated Public Transportation for Vulnerable Populations
 - Economic Development
 - Environmental
 - Safety
- Activities include: TDM, safety programs, enhancing transportation for CHSTP populations, Complete Streets education and implementation and air quality monitoring



44

**For more information,
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NJTPA Long Range Transportation Plan Goals

Ensure the transportation system provides access and opportunities to meet the needs of all users.

- Ensure the transportation system meets the needs of all communities.
- Make the transportation system safer for all travelers and reduce fatalities to zero by 2050.
- Enhance system accessibility, efficiency, connectivity, and reliability for the movement of people and goods.
- Make the system resilient to the impacts of extreme weather and other hazards.
- 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.
- Maintain the transportation system in a state of good repair.
- Increase the region's economic activity, sustainability, and competitiveness.

Federal Planning Factors

Under federal law, the planning process of MPOs including the NJTPA must be continuous, cooperative, and comprehensive, and provide for consideration and implementation of projects, strategies, and services that address the following factors:

1. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
2. Increase the safety of the transportation system for motorized and non-motorized users;
3. Increase the security of the transportation system for motorized and non-motorized users;
4. Increase accessibility and mobility of people and freight;
5. 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;
6. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
7. Promote efficient system management and operation;
8. Emphasize the preservation of the existing transportation system;
9. Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation; and
10. Enhance travel and tourism.