

New Jersey Department of Transportation

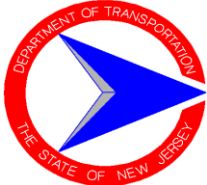
**Transportation Alternatives
Set Aside
Design Assistance Program**

**Local Aid and Economic Development
February 2020**

Presented By: Julie Seaman
Division of Local Aid and Economic Development

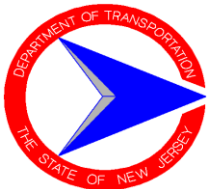
Background Information– FHWA’s Every Day Counts

- ▶ FHWA initiative launched in 2009
- ▶ An effort to bring a better, faster, and smarter approach to highway and bridge construction
- ▶ Currently in 5th round of EDC
 - EDC-5 (2019–2020)
 - EDC-4 (2017–2018)
 - EDC-3 (2015–2016)
 - EDC-2 (2013–2014)
 - EDC- (2011– 2012)
- ▶ EDC-2 promoted a three prong strategy to help local public agencies
- ▶ <https://www.fhwa.dot.gov/innovation/everydaycounts>



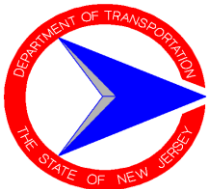
EDC 2–Locally Administered Projects Three Pronged Strategy

- ▶ LPA Certification/Qualification Programs
- ▶ Flexibility in Consultant Services
- ▶ Stakeholder Partnering



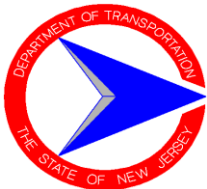
Procurement of Professional Services for Federal Aid Projects

- ▶ Brooks Act – Qualifications Based Selection (QBS) process. Based on qualifications and experience, not cost.
 - Approved written procurement policies and procedures
 - Solicitation, evaluation, ranking, and selection
 - Negotiation of fee proposal and contract terms
 - Monitoring of consultant's work
 - Evaluation of consultant's performance at contract completion



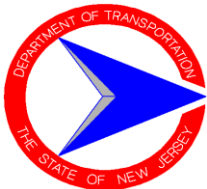
NJDOT Design Assistance Pool

- ▶ NJDOT Did the work for you!
- ▶ Local Aid conducted a solicitation following the – NJDOT Procurement Guidelines – Based on Brooks Act – Quality Based Selection
- ▶ Consultants were rated on their project manager experience, key staff, project approach, and prior performance.



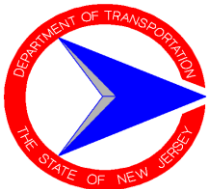
TAP Design Assistance Program– Establish Consultant Pool

- ▶ NJDOT issues RFP using NJDOT procurement process and prequalified consultants
- ▶ NJDOT evaluates, ranks, and selects a pool of qualified design consultants. Current pool includes:
 - Greenman–Pederson, Inc.
 - McCormick Taylor, Inc.
 - NV5, Inc.
 - Taylor Wiseman & Taylor



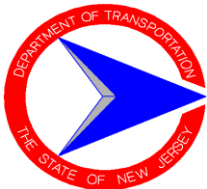
TAP Design Assistance Program– Consultant Selection & Negotiation

- ▶ LPA selects a design consultant from the pool
- ▶ LPA contacts NJDOT to schedule initial meeting
- ▶ NJDOT, LPA and consultant develop SOW based on TAP grant application
- ▶ NJDOT prepares independent cost estimate
- ▶ Consultant prepares and submits fee proposal and certified payroll roster to the NJDOT and LPA
- ▶ LPA and NJDOT negotiates final proposal with consultant
- ▶ NJDOT authorizes federal-aid funds for design



TAP Design Assistance Program Consultant Contract Administration

- ▶ LPA executes agreement with consultant for work to be performed
- ▶ NJDOT executes Federal-aid agreement with LPA for reimbursement of funds
- ▶ LPA submits payment vouchers. NJDOT provides funds on a reimbursement basis
- ▶ LPA monitors consultant's work, and evaluates performance at contract completion

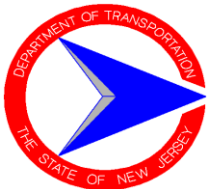


Program Highlights

- ▶ 1 year pilot program with an option to extend to two years
- ▶ 2018 TA Set Aside recipients are eligible
- ▶ Pool consultant information is posted on the NJDOT website:

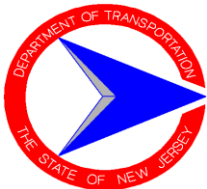
<http://www.state.nj.us/transportation/business/localaid/TA.shtm>

- ▶ Disciplines limited to Highway and Traffic Engineering
- ▶ \$430,000 cap on fee proposals



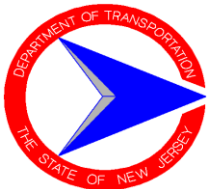
Program Highlights

- ▶ Use of pool consultant is not mandatory
- ▶ LPA enters into agreement directly with consultant
- ▶ LPA must evaluate consultant's performance at contract completion
- ▶ LPA must follow quality based selection process to be eligible for federal-aid design funds if a pool consultant is not used



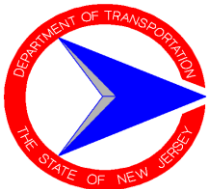
Program Benefits

- ▶ Simplified procurement process
- ▶ Shortened time and reduced costs
- ▶ Improved quality and performance
- ▶ Quicker review times
- ▶ Improved compliance with federal and state procurement requirements

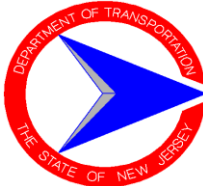


Judgement Factors

- ▶ <http://www.state.nj.us/transportation/business/procurement/ProfServ/ConsulSelections/>
 - CES Rating
 - **Complexity**
 - Key Staff
 - Project Approach
 - Project Manager
 - **Proximity of the Firm**
 - **Relevant Experience**
 - **Workload**
 - Audit Non-Compliance



Consultant Proposals



Consultant Proposals

OVERVIEW

NVS

NVS, Inc. (NVS) is a nationwide, professional and technical consulting firm and is ranked 54th in the Engineering News Record listing of top 500 A/E design firms. The firm is headquartered in Parsippany, NJ and has multiple offices in the northeast, including Trenton, NJ, New York, NY and Philadelphia, PA. We are a multidiscipline firm of professionals dedicated to designs that enhance quality of life. Core specialties include bicycle/pedestrian planning, recreational planning and design, landscape architecture and streetscape design, highway and traffic design, transportation planning, structural and bridge permitting and processing services, environmental and construction management. We have provided design services for various counties and municipalities throughout New Jersey, and other major transportation agencies including NJDOT, NJTA, NJTPA, NJ TRANSIT, PANY&N, DRITBC, NYSDOT, NYCDOT, and NYCDCC.

NVS includes seasoned professionals, experienced in a broad range of transportation enhancement and locally recognized, and active in organizations such as the Association of Pedestrian and Bicycle Professionals (APBP), American Society of Highway Engineers (ASHE), Institute of Transportation Engineers (ITE), New Jersey Chapter of the American Planning Association (APANJ), Association of New Jersey Environmental Commissions (ANJEC), New Jersey Main Street, and more.

TRANSPORTATION ALTERNATIVES (TA) – NVS RELATED SERVICES

NVS is a full service multidiscipline firm. Below are some specific TA services...

- Complete Streets**
 - Policy Plans
 - Implementation & Training
 - Multimodal Design
 - Transit Access
 - Smart Streets (Technology/Infrastructure)
- Streetscape Design**
 - Decorative Street Furniture
 - Art / Cultural Elements
 - Wayfinding Signage
 - Parklets
 - Landscape (Green Infrastructure)
- Pedestrian Safety**
 - ADA Capability (Sidewalks, Intersection Devices)/Bump Outs
 - Crosswalks (High Visibility, Colored/Textured, In-pavement Lighting)
 - Safe Routes to School
 - Lighting
 - Pedestrian Bridges/Tunnels
 - Traffic Calming/Road Diets/Speed Tables
 - Signals (HAWK, Flashing Beacons, etc.)
- Roadway Traffic Improvements**
 - Drainage Improvements
 - Pavement Improvements
 - Intersection/Signal Design/Traffic Regulation
 - Parking Analysis
 - MUTCD Signing / Striping
 - Roadside Safety
 - Environmental Services
 - Utility Design
- Context Sensitive Design / Solutions**
 - Central Business District Enhancements
 - Gateways/Decorative Treatments
 - Pedestrian Plazas
 - Cultural Resources
 - Community Outreach
 - Smart Growth
- Bicycle Accommodation (On Road / Off Road)**
 - Pavement Markings/Shoulders (sharrows lane markings)
 - Dedicated Bike Lanes
 - Parking / Racks
 - Signing
 - Trails & Greenways

TAYLOR WISEMAN & TAYLOR

DESCRIPTION OF SERVICES, SIMILAR PROJECTS and PROJECT ORGANIZATION CHART

ABOUT US

Taylor Wiseman & Taylor (TWT) was founded in 1901 as a civil engineering and land surveying company. TWT has been in business in New Jersey for 117 years, and our Corporate Headquarters is located in Burlington County. Our firm is very experienced in the design requirements and project advancement process of federally-funded capital improvement projects, and assistance of counties and municipalities with transportation improvements throughout New Jersey. TWT has provided planning, design and construction support services to public agencies for the development of numerous roads, bridges, and higher education institutions, in addition to advice, recreation and park facilities, and waterfront development projects. Additionally, we have played a leading role in the design and construction of commercial centers, residential communities, and other infrastructure that facilitated the rapid and productive growth of commerce and industry in our region.

Our **Transportation Engineering Department** has broad experience in every phase of design and supervision of construction of county and municipal roads and streets, in addition to state highways, freeways and turnpikes. Among the services which the firm provides are: preliminary studies for alignment, cost and feasibility, right-of-way, topographic and control surveys, costwork, foundations, pavements, signs, sign structures, lighting, traffic signals, service areas and rest areas, inspection, layout and inspection of all phases of construction and preparation of "as-built" drawings and quantity computations upon the completion of construction and bridge inspection and rating reports.

We have had extensive, proven experience with the design of improvements to existing roadways from the initial study phase (alternatives analysis/consult development) to final design and construction contract inspection and administration, including geometric improvements, widening, safety improvements, and rehabilitation. We currently serve as NJDOT's task order consultant for its Transportation Enhancement and Transportation Alternatives Design Assistance Program for its programmed pool of Local Public Agencies (LPA), and will additionally be performing transportation engineering support services for Cape May County (in 2018).

Our highway and bridge design staff is added in its work through the use of our in-house computer facilities. All of our recent highway and bridge designs, the variety of corresponding construction plans, have been prepared with our Computer-Aided Design and Drafting (CADD) system, utilizing Bentley MicroStation and InRoads software, which is interchangeable with AutoCAD software.

TWT's services will be additionally supplemented, where needed, by an accomplished team of specialty subconsultants, whose professional services are summarized within on the following pages, following the listing of TWT's Representative Projects summarized below.

REPRESENTATIVE PROJECTS

DELAWARE RIVER HERITAGE TRAIL: Taylor Wiseman & Taylor prepared design plans for a 1.33-mile segment of the Delaware River Heritage Trail, a visionary 40+ mile greenway linking 24 towns along the Delaware River corridor, from Trenton to Palmyra in New Jersey, and from Morrisville, NJ to Philadelphia's Tacony neighborhood. TWT prepared trail plans for a 1-mile segment bordering the former U.S. Pipe Foundry in Burlington City along River Road (CR 856). The trail utilized a previous bituminous pavement treatment and interpretive signage to satisfy requirements of the NJDEP American Antiquities Permit and State Historic Preservation Office, respectively. A proposed stormwater management basin impacting Native Industrial Park, containing 1.69 million square feet of warehouse space. The overall 12'-wide path was designed in accordance with the AASHTO Guide for Development of Bicycle Facilities.



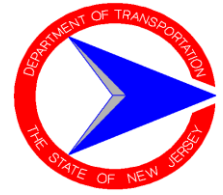
Primary Point of Contact:
Bruce K. Easterly, PE
Project Manager

bruce@taylorwiseman.com
(908) 596-5009 ext
(856) 431-9469 direct

Corporate Office:
124 Galloway Drive
Suite 100
Mount Laurel, NJ 08054
PH: (856) 738-7220
Fax: (856) 728-6556

TWT

A Tradition of Excellence Since 1901



Consultant Proposals

▶ <https://www.state.nj.us/transportation/business/localaid/alternatives.shtml>

The screenshot shows the NJ Department of Transportation website. At the top, there is a navigation bar with links for "NJ Home", "Services A to Z", "Departments/Agencies", and "FAQs". Below this is a search bar and a "Select Language" dropdown. The main content area features a large graphic with the text "Local Aid and Economic Development" and "Transportation Alternatives". To the left of this graphic is a sidebar menu with various links. The main text describes the Transportation Alternatives Program (TAP) and provides information on how to apply for grants.

STATE OF NEW JERSEY
DEPARTMENT OF TRANSPORTATION
Phil Murphy, Governor | Sheila Oliver, Lieutenant Governor

NJ Home | Services A to Z | Departments/Agencies | FAQs
NJDOT Site Index | Search: NJ Home NJDOT
Disclaimer Select Language

NJDOT Home | **About NJDOT** | **NJcommuter.com** | **Community Programs** | **Reference / Links**
Engineering | **In the Works** | **Capital Program** | **Freight, Air and Water** | **Doing Business**

Local Aid and Economic Development Overview
What's New
Funding Programs
Recent Grant Recipients
State Funded Programs

Federally Funded Programs
Local Lead
Transportation Enhancements
Safe Routes to School
Emergency Relief
Transportation Alternatives
Local Safety/High Risk Rural Roads
Transportation Infrastructure Bank Fund
Federal Eligibility Requirements
Publications
Forms and Applications
District Offices

Local Aid and Economic Development Overview

Transportation Alternatives

The Transportation Alternatives Program (TAP) was established by Congress in 2012 under MAP-21 and FAST Act in 2015, and is funded through a set-aside of the Federal-aid Highway Program. TAP provides federal funds for community based "non-traditional" projects designed to strengthen the cultural, aesthetic and environmental aspects of the nation's intermodal system. TAP projects must relate to surface transportation.

This program is being administered by the New Jersey Department of Transportation (NJDOT), in partnership with the North Jersey Transportation Planning Authority (NJTPA), the Delaware Valley Regional Planning Commission (DVRPC) and the South Jersey Transportation Planning Organization (SJTPO).

All applications for TAP are to be submitted online through [SAGE](#) (System for Administering Grants Electronically).

A committee is charged with applying the selection criteria and preparing the recommended list of projects for approval by the Commissioner of Transportation. Solicitation packages are sent to every municipality and county inviting them to submit an application. Nonprofit organizations will not be directly eligible to apply for this solicitation. However, nonprofit organizations may partner with a local public agency that will assume

responsibility and administration for the grant.

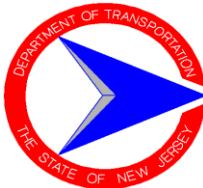
For this solicitation, eligible projects must fall into one of the following seven categories:

- Design and construction of on-road and off-road trail facilities for pedestrians, bicyclists, and other non-motorized forms of transportation
- Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, and other non-motorized transportation users.
- Construction of scenic turnouts, overlooks, and viewing areas.
- Historic preservation and rehabilitation of historic transportation facilities both land and water such as building structures and canals.
- Community improvement activities, specifically: streetscaping and corridor landscaping.
- Environmental mitigation to address stormwater management, control, and water pollution prevention or abatement related to highway construction or due to highway runoff.
- Reduce vehicle-caused wildlife mortality or to restore and maintain connectivity among terrestrial or aquatic habitats.

Design Assistance (2012 and 2014 Recipients)

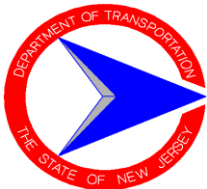
NJDOT is pleased to announce the [TAP Design Assistance Program](#) (pdf 2m). This pilot program makes available consultant engineering services to assist Local Public Agencies (LPA's) with the development of plans, specifications, and estimates (PS&E) for their TAP projects. Recipients of NJDOT's 2012 and 2014 TAP grants are eligible to participate in the program. The program was developed by NJDOT as part of the FHWA's Every Day Counts initiative and is intended to shorten time, reduce costs, and improve quality in the delivery of NJDOT TAP projects.

NJDOT has established a pool of engineering design consultants through a quality based selection process. This pool can aid LPAs in the project delivery process by reducing the time required to procure professional services, ensure the consultant selection process is compliant with federal Brooks Act requirements, and provides the LPA with NJDOT prequalified, cost basis approved designers to aid in the development of PS&E submissions for their eligible TAP project.



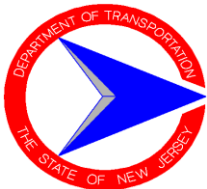
Future Local Aid Assistance Programs

- ▶ SRTS Design Assistance Program 2020
- ▶ Transportation Alternatives Set-Aside Design Assistance Program 2020



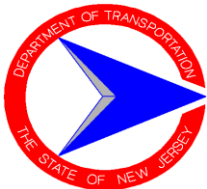
Resources

- ▶ NJDOT Local Aid and Economic Development
 - <http://www.state.nj.us/transportation/business/localaid/>
- ▶ LPA Training–Rutgers Center for Advanced Infrastructure and Transportation (CAIT)
 - <http://cait.rutgers.edu/cait/training>
- ▶ FHWA Federal–aid Essentials for Local Public Agencies
 - <http://www.fhwa.dot.gov/federal-aidessentials/>



Rutgers CAIT Training Classes

- ▶ Design of ADA Curb Ramps
- ▶ Compliance to the American With Disabilities Act (ADA) in the Public Right of Way
- ▶ Highway Inspection Procedures for Federal Aid Highways
- ▶ Federal Aid Requirements and LPA Stewardship
- ▶ Grant Management for Federal Aid Projects
- ▶ Responsible Charge Training



Contact Information

Laine Rankin

Director, Local Aid & Economic Development

(609) 963-2021

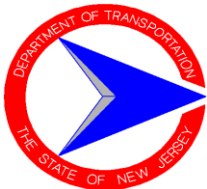
Laine.Rankin@dot.nj.gov

Julie Seaman

Program Manager, Design Assistance Program

609-963-2004

Julie.seaman@dot.nj.gov



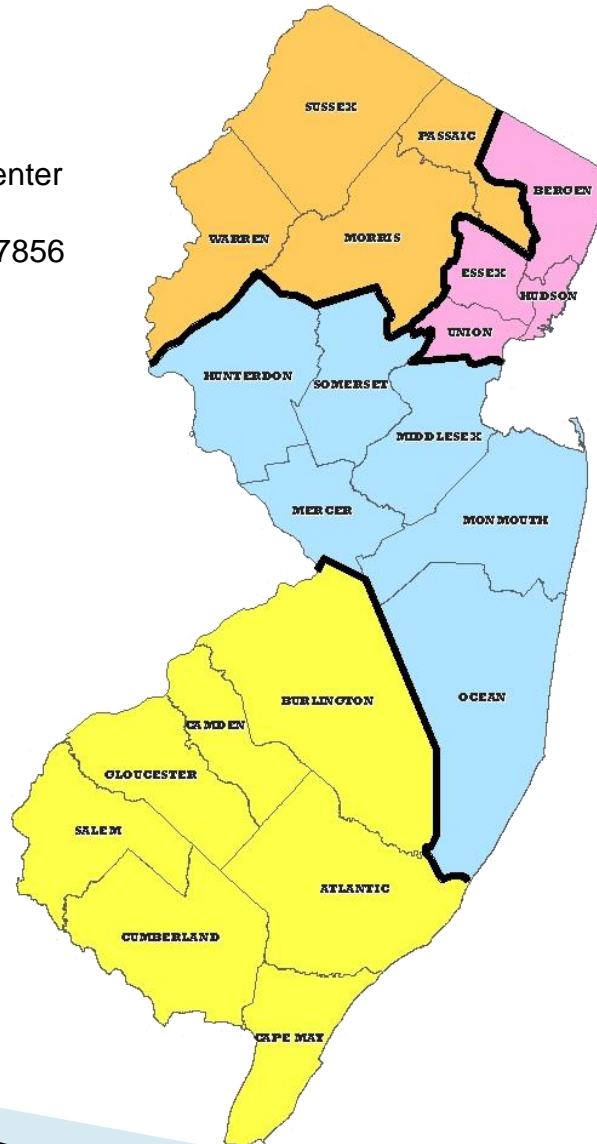
New Jersey Department of Transportation Local Aid and Economic Development

District 1

Roxbury Corporate Center
200 Stierli Court
Mount Arlington, NJ 07856
973.601.6700
FAX: 973.601.6709

District 4

1 Executive Campus
Route 70 West
Cherry Hill, NJ 08002
856.414.8414
FAX: 856.486.6771



District 2

153 Halsey Street, 5th Floor
Newark, NJ 07102
973.877.1500
FAX: 973.648-4547

District 3

1035 Parkway Ave
Trenton, NJ 08625
609.963.2020
FAX: 609.530.8044

