

New Jersey Department of Transportation

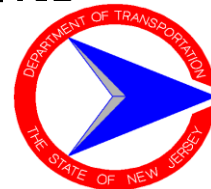
**Transportation Alternatives
Set-Aside 2020
Design Assistance Program**

**Local Aid and Economic Development
October 2021**

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

Background Information– FHWA's Every Day Counts

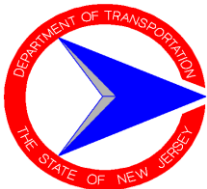
- ▶ FHWA initiative launched in 2009
- ▶ An effort to bring a better, faster, and smarter approach to highway and bridge construction
- ▶ Currently in 6th round of EDC
 - EDC-6 (2020–2021)
 - EDC-5 (2019–2020)
 - EDC-4 (2017–2018)
 - EDC-3 (2015–2016)
 - EDC-2 (2013–2014)
 - EDC-1 (2011–2012)
- ▶ EDC-2 promoted a three-pronged strategy to help local public agencies
- ▶ <https://www.fhwa.dot.gov/innovation/everydaycounts>



EDC 2–Locally Administered Projects

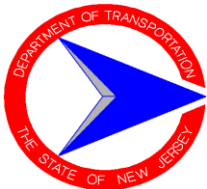
Three Pronged Strategy

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



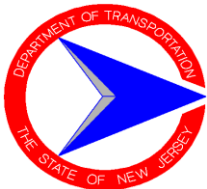
Program Benefits

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



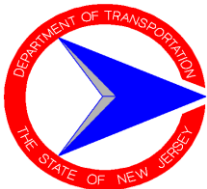
Procurement of Professional Services for Federal Aid Projects

- ▶ 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



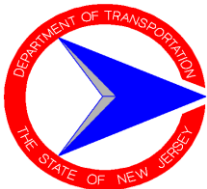
NJDOT Design Assistance Pool

- ▶ 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.



TA Set-Aside 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.
 - STV, Inc.




TA Set Aside Pool Information


- ▶ Transportation Alternatives
(njdotlocalaidrc.com)
 - Consultant Bios are posted on the NJDOT LARC website link noted above.
 - Contact information, location, firms capabilities, and project types are listed in the bios.

Consultant Proposals

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

**Department of Transportation**

[NJDOT](#) [Doing Business](#) [Local Aid & Economic Development](#)

**Local Aid
and Economic Development**

Transportation Alternatives

The Transportation Alternatives Program (TAP) was established by Congress in 2012 under MAP-21. The FAST Act in 2015, replaced the TAP program with a set-aside of funds under the Surface Transportation Block Grant Program (STBG) funded through a proportional set-aside of the core Federal-aid Highway Program. The Transportation Alternatives Set-Aside (TA Set-Aside) program provides federal funds for community based "non-traditional" surface transportation projects designed to strengthen the cultural, aesthetic, and environmental aspects of the nation's intermodal system. TA Set-Aside 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 TA Set-Aside 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 (2018)

NJDOT is pleased to announce the [TA Set-aside Design Assistance Program](#) (pdf 2.1m). This pilot program makes available consultant engineering services to assist Local Public Agencies (LPAs) with the development of plans, specifications, and estimates (PS&E) for their TA Set-Aside projects.

Recipients of NJDOT's 2018 TA Set-Aside 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 TA Set-Aside 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 TA Set-Aside project.

Information is available for the four firms in the consultant pool:

- McCormick Taylor, Inc.
- NV5, Inc.
- Taylor Wiseman & Taylor
- Greenman-Pedersen, Inc.

Some highlights of the TA Set-Aside Design Assistance Program are:

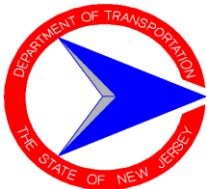
- Participation in the TAP Design Assistance Program is at the sole discretion of the LPA.
- Recipients of 2018 TA Set-Aside grants are eligible to participate in the program.
- NJDOT will participate in eligible design costs if an LPA elects to participate in the program.
- The TA Set-Aside Design Assistance Program is a reimbursement program.
- Costs and fees for the work to be performed will be negotiated by the LPA with the firm of their choice.
- Contracts for the work to be performed will be between the LPA and the firm. All federal requirements apply.
- Total costs and fees shall not exceed \$400,000.

Please contact NJDOT's Local Aid and Economic Development at 609-963-2221 if you are an eligible TA Set-Aside recipient interested in the TA Set-Aside Design Assistance Program.

Documentation

- [Federal Aid Handbook](#) (pdf 240k)
- [Federal Highway Administration \(FHWA\) Guidance for Transportation Alternatives Program](#)
- [2020 North Jersey Transportation Planning Authority \(NJTPA\) TA Set-Aside Grant Recipients](#)
- [2020 Delaware Valley Regional Planning Commission \(DVRPC\) TA Set-Aside Grant Recipients](#)
- [2020 South Jersey Transportation Planning Organization \(SJTPO\) TA Set-Aside Grant Recipients](#)
- [2018 North Jersey Transportation Planning Authority \(NJTPA\) TA Set-Aside Grant Recipients](#)
- [2018 Delaware Valley Regional Planning Commission \(DVRPC\) TA Set-Aside Grant Recipients](#)
- [2018 South Jersey Transportation Planning Organization \(SJTPO\) TA Set-Aside Grant Recipients](#)
- [Sample 2020 TA Set-Aside Application on SAGE](#) (pdf 2.1M)
- [Transportation Alternatives Frequently Asked Questions](#) (pdf 319k)
- [Transportation Alternatives sample Resolution](#) (pdf 152k)
- [Transportation Alternatives Program Handbook](#) (pdf 1M)

You will need Adobe Acrobat Reader to view the PDF files which is available at our [state Adobe Acrobat Access](#) page.



Consultant Proposals



NJDOT 2020 Transportation Alternatives Set-Aside Program
Approved Design Assistance Consultant



Congratulations on being selected for a Transportation Alternatives Set-Aside Grant

GPI's Experience Includes:

- Streetscape Design
- Trail Design
- Bicycle and Pedestrian Safety Improvements
- Historic Districts and Structures
- Complete Streets Design
- NJDOT Local Project Delivery Experience
- NJDOT Project Delivery Process
- Waterfront Trails / Walkways
- Compliance with All Applicable State and Federal Laws, Rules and Regulations as well as Federal, NJDOT and Recognized Industry Design Standards
- Environmental Permitting
- NJDOT Stakeholder and Community Involvement Requirements (Virtual and In-person)
- Utility Coordination
- ADA Accommodation
- Signalized and Unsignalized Intersection Design
- Structural Design and Rehabilitation
- Railroad Coordination
- Stormwater Management
- Green Infrastructure

Now it is time to select a consultant from the NJDOT pre-approved pool of design consultants to assist you with engineering design and project management services on your Transportation Alternatives Project.

Greenman-Pedersen, Inc. (GPI) has the optimal blend of project experience and engineering expertise to navigate your project from design authorization through construction. GPI has been selected to provide design assistance on over 20 Transportation Alternatives and Safe Routes to School projects.

GPI is well acquainted with state and federal requirements and works with the personnel of NJDOT's Division of Local Aid and Economic Development often to advance Transportation Alternatives projects.

Our Approach

1. Understand your needs and goals;
2. Work with you to review the requirements and procedures for advancing your project through the federal aid process;
3. Identify potential constraints or impacts early and solutions to keep your project on track;
4. Design and deliver your project on time, within budget, and at a high level of quality, ensuring that you meet state and federal requirements.



mccormicktaylor.com



TRANSPORTATION ENHANCEMENT AND TRANSPORTATION ALTERNATIVES DESIGN ASSISTANCE PROGRAM

COMPANY OVERVIEW

McCormick Taylor's engineers, scientists and planners work together to provide a wide range of support to our clients. Established in 1946, McCormick Taylor is a leader in providing comprehensive professional services that meet the diverse needs of our clients and the communities we serve. Our firm is a place where we come to work for our clients and also work on ourselves for the betterment of our clients. That is why relationship building is one of our core values, both internally and externally. From the onset of a project, we listen to the challenges our clients face in order to gain a thorough understanding of every project's purpose and objectives. This enables us to best develop and implement original ideas and progressive solutions that will fulfill our clients' ultimate goals. As a full-service consulting firm, McCormick Taylor specializes in providing highway engineering, structural engineering, traffic engineering, water resources, municipal engineering, planning, environmental studies, energy/utility permitting and compliance and communications services.

TE/TA EXPERIENCE

McCormick Taylor has extensive knowledge and understanding of the needs and services required to successfully complete all types of TE/TA projects. McCormick Taylor's TE/TA experience includes delivering high quality services for a wide variety of project elements including:

- decorative lighting
- signing
- striping and pavement markings
- historic structure rehabilitations
- bridge improvement projects

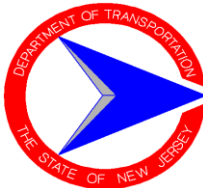
We have also designed all types of facilities including: concrete and brick sidewalks, stone and PCC curb, ADA facilities, open and closed drainage improvements, green technologies, shared use paths, pedestrian lighting using photometric calculations, and landscaping designs including shrubs, trees, and plants.

McCormick Taylor also has significant experience working on ADA and sidewalk projects; which includes multiple safety, resurfacing, geometric, and reconstruction projects. We recognize the importance of making sure the constructed sidewalks and curb ramps are fully ADA compliant.

Through our previous work on TAP and SRTS Agreements, we have attended hundreds of public workshops, City Council meetings, Town Hall meetings and civic association meetings representing our clients to the public and stakeholders. Through our experience, we understand that the earlier a sponsor is included in the design process and the more frequently they receive updates, the more successful a project will be at achieving the community's vision. Our extensive experience with TAP projects enables us to troubleshoot possible challenges that may arise throughout the design and construction process to save our client costly changes.



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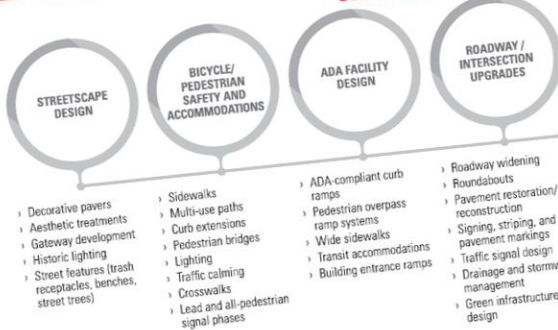


Consultant Proposals

STV – Your Best Choice for Transportation Alternatives Program (TAP) Design Assistance

STV has served public and private sector transportation, infrastructure, building, and facility needs with distinction for more than 100 years. Through perseverance and strategic alliances, STV has grown from a one-person shop in 1912 to a firm of more than 40 offices throughout North America. While we are large enough to offer a full range of engineering, architectural, planning, environmental and construction management services, we deliver personal attention with tailored solutions for each project designed by our large, talented pool of technical and support resources. We have built a national reputation for successful delivery of transportation/infrastructure services including roadway, bridge/structure, water resource systems design, traffic and ITS solutions, municipal engineering, planning, and associated environmental and public outreach support.

Services We Offer:



Transportation Alternatives (TA) Set-Aside Design Assistance

NV5 Related Services

NV5 is a multidiscipline firm of professionals dedicated to designs that enhance quality of life. We take pride in helping our clients develop and deliver cost-effective, sustainable and resilient projects that improve lives in their communities. Our northeast infrastructure team (formerly The RBA Group) is headquartered in Parsippany, NJ, with multiple offices in the northeast, including Philadelphia, PA and New York, NY.

NV5's multidiscipline structure is significant in shaping communities through the services we provide. Core specialties include bicycle/pedestrian planning and design, recreational planning and design, landscape architecture and streetscape design, highway and traffic design, transportation planning, structural design, site design, utility services, environmental permitting, hydraulics / hydrology 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, DRJTB, SJTPO, DVRPC, NJ TRANSIT, PANY&NJ, etc.

NV5's seasoned professionals are experienced in a broad range of transportation enhancement and transportation alternative settings. We are nationally and locally recognized, and are providing Transportation Alternative and Safe Routes to School (SRTS) Design Assistance throughout NJ, providing communities thoughtful responsive design solutions while successfully navigating Local Public Agencies (LPAs) through the NJDOT and FHWA's federal funding process.



NV5 is a full service multidiscipline firm. Below are some specific TA services:

Complete Streets

- Context Sensitive Design/Equitable Solutions
- Policy Plans
- Implementation & Training
- Multimodal Design/Connections
- Transit Access
- Smart Streets (Technology/Infrastructure)

Pedestrian Safety

- ADA Compatible (Sidewalks, Intersection Devices)/Bump Outs/Signal Upgrades
- Crosswalks (High Visibility, Colored/Textured, In-pavement Lighting)
- Safe Routes to School
- Traffic Calming/Road Diets/Speed Tables
- Signals (HAWK, Flashing Beacons, etc.)
- Lighting
- Pedestrian Bridges/Tunnels

Roadway/Traffic Improvements

- Pavement and Drainage Improvements
- Widening/Reconstruction
- Intersection/Signal Design/Traffic Regulation/Roundabouts
- MUTCD Signing / Striping
- Roadside Safety
- Utility Design
- Survey/Basemapping

Bicycle Accommodation (On Road /Off Road)

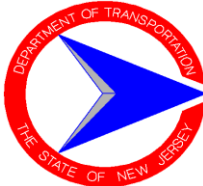
- Pavement Markings/Sharrows (shared lane markings)
- Dedicated Bike Lanes
- Parking /Bike Racks
- Signing
- Shared Use Paths
- Trails & Greenways, Rail-Trails

Streetscape Design

- Landscape (Green Infrastructure)
- Gateways/Decorative Treatments
- Pedestrian Plazas
- Decorative Street Furniture, Parklets
- Art / Cultural Elements
- Wayfinding Signage
- Decorative Lighting

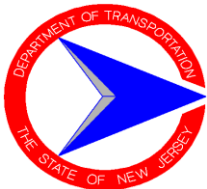
Environmental

- Public /Agency Outreach
- Assessment/NEPA Documentation/Technical Studies
- Water Resources, Hydrology & Hydraulics, Flood Plain Restoration/Management
- Green Stormwater Infrastructure Design
- Ecology, Permitting
- Cultural Resources including Archeology
- Hazardous Materials



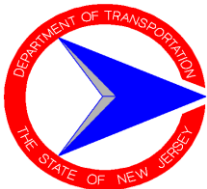
Judgement Factors

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



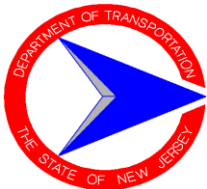
TA Set-Aside Design Assistance Program– Consultant Selection & Negotiation

- ▶ LPA selects a design consultant from the pool
- ▶ LPA contacts NJDOT to schedule initial meeting
- ▶ NJDOT, LPA and consultant develop SOW based on TA Set-Aside 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



TA Set-Aside 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

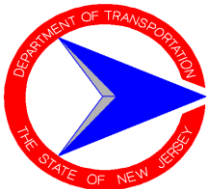


Program Highlights

- ▶ 1 year pilot program with an option to extend to two years
- ▶ 2020 TA Set Aside recipients are eligible
- ▶ Pool consultant information is posted on the NJDOT website:

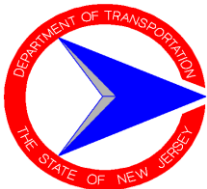
<https://www.state.nj.us/transportation/business/localaid/alternatives.shtm>

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



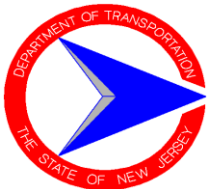
Program Highlights

- ▶ 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



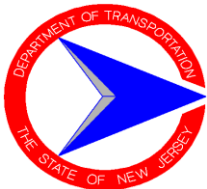
Future Local Aid Assistance Programs

- ▶ SRTS Design Assistance Program 2022
- ▶ Transportation Alternatives Set-Aside Design Assistance Program



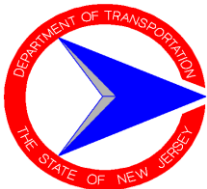
Resources

- ▶ 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

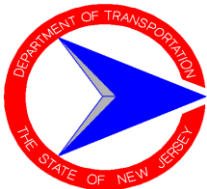
Director, Local Aid & Economic Development
(609) 963-2021

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 Office Contact information

District 1, Mount Arlington
Roxbury Corporate Center
200 Stierli Court
Mount Arlington, NJ 07856
Phone: 973.810.9120
Fax: 973.601.6709
Manager: Adam Iervolino

District 2, Newark
153 Halsey Street, 5th floor
Newark, NJ 07102
Phone: 973.877.1500
Fax: 973.648.4547
Manager: Eileen Schack

District 3, Trenton
1035 Parkway Avenue PO Box
600
Trenton, NJ 08625-0600
Phone: 609.963.2020
Fax: 609.530.8044
Manager: Deval Desai

District 4, Cherry Hill
One Executive Campus
Route 70 West, 3rd Floor
Cherry Hill, NJ 08002
Phone: 856.414.8414
Fax: 856.486.6771
Manager: Thomas Berryman

