

New Jersey Department of Transportation

Transportation Alternatives Design Assistance Program

Local Aid and Economic Development
October 2018

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

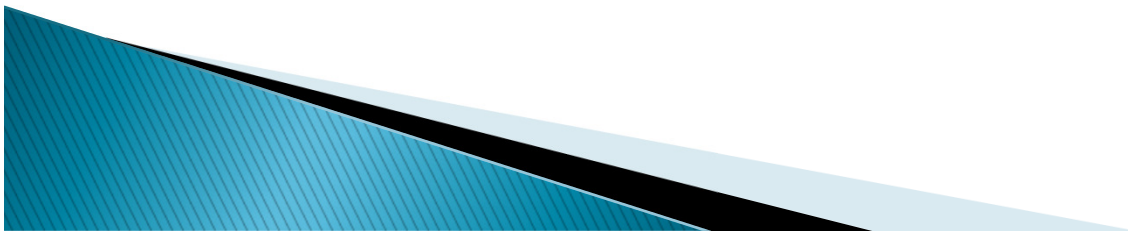
Background Information– FHWA’s Every Day Counts

- ▶ 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



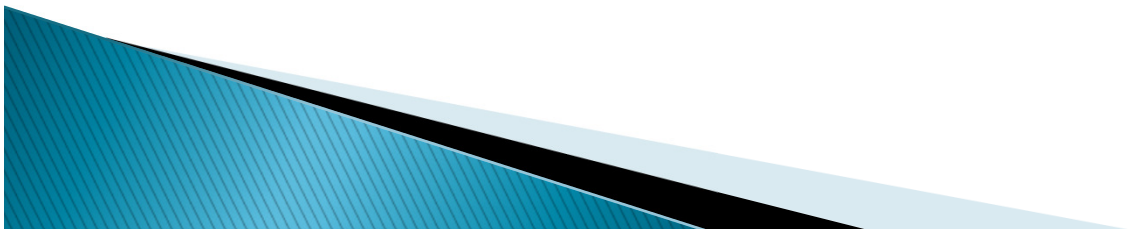
TAP Design Assistance Program– Establish Consultant Pool

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



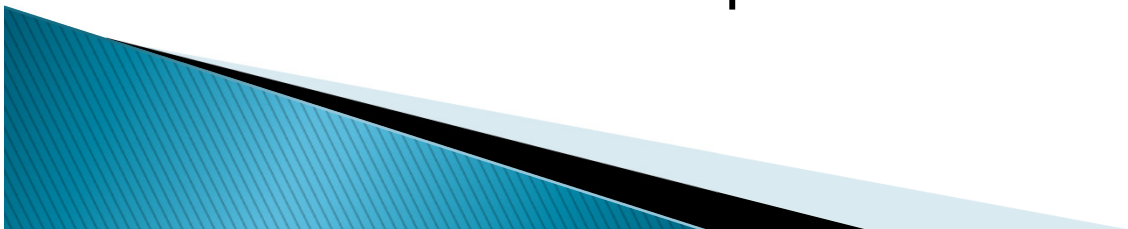
TAP Design Assistance Program– Consultant Selection & Negotiation

- ▶ 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



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



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

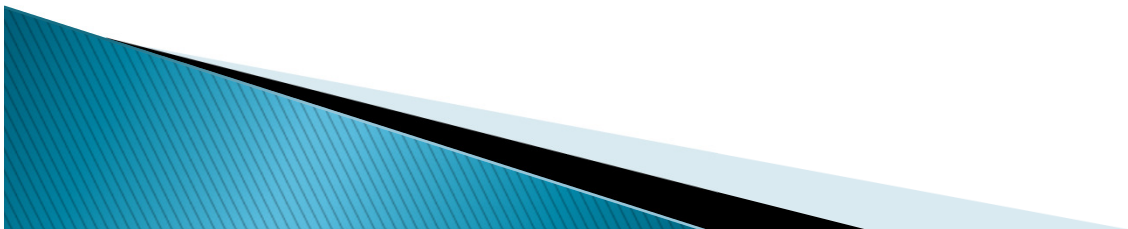


Program Highlights

- ▶ 1 year pilot program with an option to extend to two years
- ▶ 2016 TAP 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



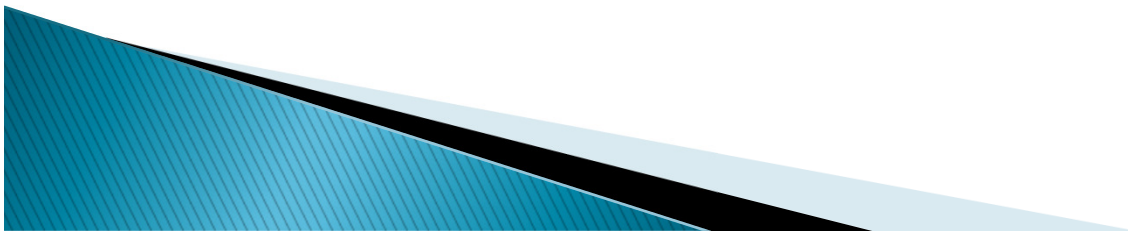
Program Highlights

- ▶ 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



Consultant Proposals



Corporate

French & Parrello Associates (FPA) is a multi-discipline engineering firm, employing over 140 professionals in four offices with corporate headquarters in Wall, NJ and branch offices in Camden, NJ, Hackettstown, NJ, and New York, NY. Through its principals and staff, the firm has established a reputation of technical excellence and responsiveness on diverse and complex projects.

FPA's staff includes Licensed Professional Engineers, Certified Municipal Engineers, Licensed Landscape Architects, LEED® Accredited Professionals, Professional Land Surveyors, LSRP (Licensed Site Remediation Professionals), Certified Wetlands Delineators, Licensed Professional Land Planners, Licensed Professional Geologists, Certified Construction Inspectors/NICET Level II - IV and NJ DCA-Certified Special Inspectors.


Backed by our technical expertise and wide range of services, our commitment to client satisfaction has made us a leader in engineering design from project inception to closeout. FPA is committed to bringing exceptional service and value to each project through focused attention, timely response, and innovative solutions.

The firm's strength lies in its people, its principals and technical and administrative employees. The entire staff forms a team that is prepared to share knowledge and experience. FPA's professionals are complemented by talented support staff as well as extensive computer-aided drafting and design (CADD) resources, online capabilities and cutting-edge equipment. FPA has a full-service internal geotechnical lab, a mobile lab and full-time survey crews.

Advancing our client's vision.
Improving our world.

fpaengineers.com

- Engineering Services
- Land Development
- Land Surveying
- Landscape Architecture
- Geotechnical Engineering
- Environmental Engineering
- Construction Phase Services & Material Testing
- Building Design
- Electrical Engineering
- Mechanical Engineering
- Planting Engineering
- Structural Engineering
- Telecommunications
- Transportation Engineering
- Bridge & Highway Engineering
- Traffic Engineering
- Shoreline Protection
- Solid Waste Engineering
- Water Resources
- Renewable Energy



Consulting & Municipal ENGINEERS


SUMMARY OF EXPERIENCE PAGES

DESCRIPTION OF FIRM

FIRM PROJECT MANAGER

PROJECT ORGANIZATION AND TEAM

SIMILAR PROJECTS




TRANSPORTATION ALTERNATIVES DESIGN PROGRAM ASSISTANCE OVERVIEW

COMPANY OVERVIEW

McCormick Taylor is a full-service engineering firm providing creative design, planning, and environmental solutions to the challenges of everyday life. Since 1964, we've focused first and foremost on people—our clients, our employees, and the communities we serve.

Our experience in the project delivery process, which spans conceptual planning through design and construction consultation, has enhanced our knowledge of the process and procedures necessary to ensure the successful completion of any project, from ADA-compliant curb ramps and sidewalks to streetscape design and drainage improvements. We collaborate with all stakeholders throughout the entire planning process so that our land use planners and urban designers fully understand a community and its goals.

Transportation Alternatives Program (TAP) Experience

McCormick Taylor has extensive knowledge and understanding of the needs and services required to successfully complete the range of projects under a TAP. This includes delivering high quality design services for a variety of project elements, including concrete and brick sidewalks, stone and concrete curbs, open and closed drainage improvements, green technologies, shared use paths, pedestrian lighting using photometric calculations, and landscaping designs including shrubs, trees, and plants. This experience designing and managing TAP projects enables us to identify and prepare for the many potential challenges that may arise throughout the design and construction process, saving our clients from costly changes.

McCormick Taylor's experience includes the design of ADA compliant curb ramps and sidewalks. In addition to stand-alone ADA projects, our safety, intersection improvement, pavement resurfacing, geometric, and other project types include ADA compliant designs. With the understanding of the importance for these designs to be accurate, we work closely with the NJDOT and FHWA to ensure compliance with the latest ADA design standards and processes.

We believe community outreach and public engagement is critical to the success of any project. We have attended and facilitated numerous public workshops, as well as City Council, Town Hall, and Civic Association meetings, representing our clients to the public and stakeholders. Through this experience, we understand that the earlier major stakeholders are 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.

Consultant Proposals

OVERVIEW

NV5 NV5, Inc. (NV5) 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 northeast infrastructure team (formerly The RBA Group) 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 design, site design, utility design services, environmental permitting and processing services, hydrology / 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, NJ TRANSIT, PANY&NJ, DRUTBC, NYSOT, NYCDOT, and NYCDCC.

NV5 includes seasoned professionals, experienced in a broad range of transportation enhancement and transportation alternative settings. We are nationally and locally recognized, and active in organizations such as the Association of Pedestrian and Bicycle Professionals (APBP), Association of Highway Engineers (ASHE), Institute of Transportation Engineers (ITE), New Jersey Chapter of the American Planning Association (APANI), Association of New Jersey Environmental Commissions (ANJEC), New Jersey Main Street, and more.

TRANSPORTATION ALTERNATIVES (TA) – NV5 RELATED SERVICES
NV5 is a full service multi-discipline firm. Below are some specific TA services...

- Complete Streets
 - Policy Plans
 - Implementation
 - Maintenance
 - Traffic
 - Safety
- Streetscape Design
 - Decorative Street Furniture
 - Art / Cultural Elements
 - Landscaping

GPI Engineering | Design | Planning | Construction Management

Building Better Communities by Design

Alternatives Design Assistance Program Consultant




DESCRIPTION OF SERVICES, SIMILAR PROJECTS and PROJECT ORGANIZATION CHART

TAYLOR WISEMAN & TAYLOR

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, planning, design and construction support services to public agencies for the development of numerous roads, bridges, schools and higher education institutions, in addition to athletic, recreation and park facilities, and waterfront development 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 tunnels. Among the services which the firm provides are: preliminary studies for alignment, cost and right-of-way, topographic and control surveys, earthwork, foundations, pavements, signs, sign structures, lighting, traffic signals, service areas and 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/concept development) to final design and construction contract inspection and administration, including geometric improvements, widening, safety improvements and Program for its programmed pool of Local Public Agencies (LPA), are currently contracted with the DVRPC and Burlington County to perform engineering services for local roadway improvements throughout South Jersey, and will additionally be performing transportation engineering support services for Cape May County (in 2018).

Our highway and bridge design staff is aided in its work through the use of our in-house computer facilities. All of our recent highway and bridge designs, and 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 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 Moresville, 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 656). The trail utilized a previous bituminous pavement treatment and interpretative signage to satisfy requirements of the NJDEP Waterfront Development Permit and State Historic Preservation Office, respectively. A proposed stormwater management basin impacting Native American artifacts was able to be eliminated with the implementation of the pervious pavement. Additionally, a separate path connecting 1/3-mile trail section in Burlington Township was designed by TWT in concert with the redevelopment of the Hercules brownfield site, now known as Burlington Industrial Park, containing 1.66 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:
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TWT
 A Tradition of Excellence Since 1901

Consultant Proposals

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

The screenshot shows the NJDOT website header with navigation links like 'NJ Home', 'Services A to Z', and 'Departments/Agencies FAQs'. The main content area features a 'Local Aid and Economic Development Overview' sidebar on the left and a central section titled 'Local Aid and Economic Development Transportation Alternatives'. The central text describes the Transportation Alternatives Program (TAP), established in 2012, which provides federal funds for community-based projects to improve the nation's intermodal system. It also mentions that applications are submitted through SAGE (System for Administering Grants Electronically) and that a committee is charged with applying selection criteria.

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 2018
- ▶ Transportation Alternatives 2018



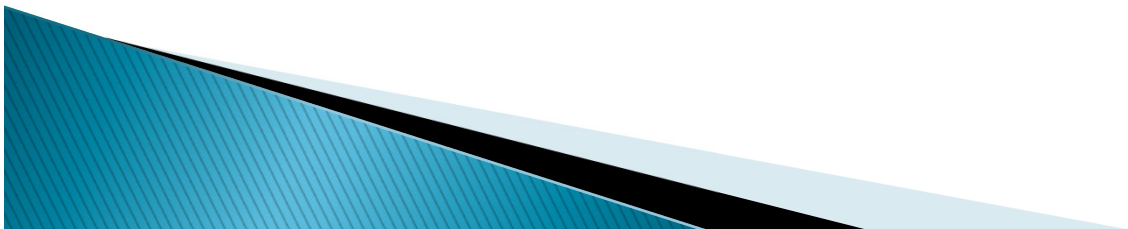
Resources

- ▶ 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

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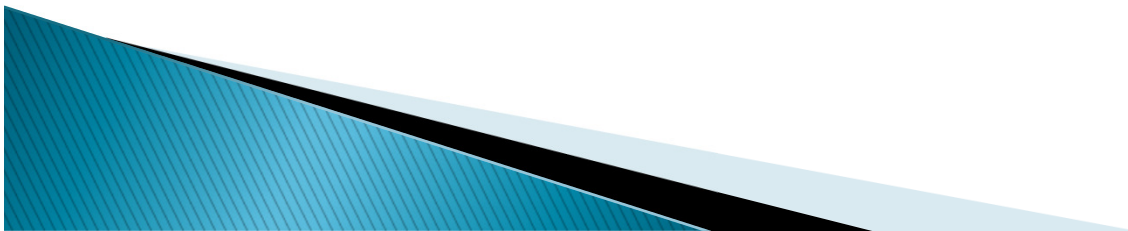
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