



FIRM SUMMARY FOR

NJDOT TRANSPORTATION ALTERNATIVES SET-ASIDE (TA SET-ASIDE) DESIGN ASSISTANCE PROGRAM 2025

Michael Baker
INTERNATIONAL



STEP 1: SECURE FUNDING STEP 2: DELIVER IT SUCCESSFULLY

You've achieved a major milestone by securing TA Set-Aside funding! The next step is selecting a partner who can translate that award into a successful, community-supported project.

Michael Baker International partners with New Jersey's Local Public Agencies to turn Transportation Alternatives Set-Aside (TA Set-Aside) funding into buildable, community-supported projects that improve safety, accessibility, and quality of life. Our role goes beyond design. We help communities navigate complexity, build consensus, and deliver improvements that work - locally, technically, and long-term.

WHAT THIS MEANS FOR YOUR COMMUNITY



Clear paths from funding to construction | We guide projects from concept through final design, aligning with NJDOT Local Aid and FHWA requirements to keep schedules moving and expectations clear.



Designs grounded in New Jersey context | Our team understands local conditions - urban, suburban, and rural - and delivers solutions tailored to how people actually move through your community.



Public engagement that builds support | We integrate outreach early and often, helping communities understand the "why" behind improvements and building momentum for implementation.



Confidence through delivery | With deep experience supporting LPAs across New Jersey, we anticipate challenges, streamline coordination, and keep projects on track.

PROVEN EXPERIENCE, LOCAL COMMITMENT



Nine

Northeast Regional Offices
90+ National Offices

40+

YEARS

Based in New Jersey



260+

New Jersey Employees
6,000 Company-Wide

OUR APPROACH: FROM FUNDING TO FUNCTIONAL



Listen | We begin by understanding your community - its priorities, constraints, and opportunities - through early coordination and meaningful public engagement.



Analyze | Data-driven safety analysis informs decision-making, ensuring improvements are targeted, defensible, and aligned with program goals.



Design | We develop implementable, standards-compliant designs that balance safety, accessibility, and local context while meeting NJDOT and FHWA requirements.



Deliver | Our familiarity with Local Aid processes allows us to efficiently guide projects through approvals, final design, and construction support.



ALIGNED WITH WHAT MATTERS:

- NJDOT Local Aid policies and procedures
- FHWA Proven Safety Countermeasures
- Vision Zero and Complete Street goals
- ADA accessibility standards



MICHAEL BAKER INTERNATIONAL, INC.

1700 American Blvd, 2nd Floor
Pennington, NJ 08534 | 609-807-9500

One Gateway Center, Suite 1601
Newark, NJ 07102 | 973-776-8600

TA-READY SERVICES THAT MOVE PROJECTS FORWARD

ROADWAY SAFETY ENGINEERING EXPERTISE

Through extensive work with MPOs such as NJTPA, SJTPO, and DVRPC, counties, municipalities, NJDOT, and other LPAs throughout the State of New Jersey, our local team understands the implementation of Bikeways, Quality of Life, and Pedestrian Safety improvements from the planning and policy level that can facilitate stakeholder buy-in, while also assessing the technical design considerations and practicalities that drive implementation during final design and construction.



UNIQUE UNDERSTANDING OF MULTI-MODAL ROADWAY SAFETY

Having executed more than 30 similar local roadway safety improvement projects in New Jersey, the Michael Baker team is extremely familiar with the region's traffic, environmental, and community intricacies. As a result, we are distinctly prepared to tackle these projects' roadway safety design engineering challenges.



PROFESSIONAL TRAFFIC ENGINEERS AND PLANNERS / HIGHLY QUALIFIED TEAM

Our team members hold applicable licenses and certifications that demonstrate expertise in design principals to implement FHWA Proven Safety Countermeasures for traffic calming principles. They also have the real-world experience on similar projects with putting principles to practice. Our team has over 220+ New Jersey-Based professionals to serve LPA and the project sponsors.



Complete Street and Streetscape Design

- Road Safety Audits
- Multimodal Design
- Transit Access/Bus Shelters
- Bicycle Parking
- Landscape (Rain Gardens/ Flow-Through Swales)
- ADA Facilities (Sidewalk, Curb Ramps, Intersection Devices)
- Parklets
- Wayfinding Signage
- Intersection daylighting/curb extensions

Pedestrian Facilities Design

- ADA Compliant Curb and sidewalk design
- ADA Compliant Pedestrian Bridges
- ADA compliant curb retrofitting
- Landscaping including buffer zones, benches, stairs, and bollards
- Pedestrian lighting
- Curb extension / bump-outs
- Refuge Islands

Intersection Improvement Design

- Green Infrastructure
- Drainage/SWM
- High Visibility/Raised/Textured crosswalks
- Intersection lighting
- HAWK signals & flashing beacons
- Traffic signal design
- Rectangular Rapid-Flashing Beacons
- In-Pavement LED lighting
- Radar speed displays/DMS
- Passive pedestrian detection devices
- Mid-block crossing design
- Traffic signal timing optimization
- Traffic counts & analysis

Traffic Calming/Corridor Improvement Design

- Road Diets
- Speed Tables
- Pavement markings
- School zone design
- Traffic Regulation Development
- Speed Management

MUTCD Signing and Striping Design

- High visibility slip resistant crosswalks and stop bar
- Multi-modal lane markings
- Rectangular Rapid-Flashing Beacons
- Advanced warning signs

Bicycle Facilities Design

- Bike parking facilities
- Bike lanes/boulevards
- Cycle Tracks
- Shared use paths
- Bike route signing
- Off-road bike routes
- Trails & Greenways

Roadway Traffic Improvements

- Roadway Geometrics
- Drainage Improvements
- Pavement Improvements
- Roadside Safety
- Parking Analysis
- Environmental Services
- ROW/Utility Design & Coordination

Other Services

- Permitting
- Construction Services
- Retaining Wall & Structure Design
- Public Involvement & Outreach
- Landscape & Architectural Design



TA SET-ASIDE PROJECT SPOTLIGHT



Hackensack Riverwalk - Section 8C *Jersey City, NJ*

Michael Baker is supporting the Hudson County LPA to advance a 0.19-mile ADA-compliant shared-use path along the east shoreline of the Hackensack River in Jersey City. The project transforms a previously unimproved greenway segment into a safe, accessible riverfront connection, integrating crushed-stone trail and raised boardwalk elements within a highly regulated, environmentally sensitive site.

VALUE ADDED

- NJDOT TA & LPA Expertise
- Environmental Permitting Leadership
- ADA-First Design
- Multimodal Safety & Connectivity
- Public Engagement-Driven
- Resilient, Context-Sensitive Solutions

Michael Baker
INTERNATIONAL

SHARED SCOPE. PROVEN EXPERIENCE.

Across these 20+ representative projects, Michael Baker consistently delivered the same core tasks required under the NJDOT TA, demonstrating repeatable processes, technical depth, and reliable execution from county to county.

PROJECT NAME LOCATION	SURVEYING / BASE MAPPING	ENGINEERING & DESIGN	STRUCTURAL TASKS	TRAFFIC ANALYSIS	UTILITY COORDINATION	ENVIRONMENTAL DOCUMENTATION	PERMITTING	ROW DOCUMENTATION	PLANS, SPECIFICATIONS, AND ESTIMATES DEVELOPMENT
★ [TA] Willow Avenue Vision Zero Safety Improvements City of Hoboken, NJ	✓	✓		✓	✓	✓	✓	✓	✓
[TA] Hackensack Riverwalk - Section 8C Jersey City, NJ <i>[Featured on the previous page]</i>	✓	✓	✓		✓	✓	✓	✓	✓
NJTPA/Union County Intersection Improvements Along East and West 7th St (CR 601) and the Intersection of East Front St (CR 620) and Leland Ave Plainfield, NJ	✓	✓		✓	✓	✓	✓	✓	✓
NJTPA/Union County West Seventh Street (CR 601) Intersection Improvements Plainfield, NJ	✓	✓		✓	✓	✓	✓	✓	✓
NJTPA/City of Jersey City Communipaw Avenue Safety Improvements Jersey City, NJ	✓	✓		✓	✓	✓	✓	✓	✓
NJTPA/City of Newark Dr. MLK Boulevard Pedestrian Safety Corridor Improvements Newark, NJ	✓	✓		✓	✓	✓	✓	✓	✓
★ NJTPA/City of Newark Bergen Street Pedestrian Safety Corridor Improvements Newark, NJ	✓	✓		✓	✓	✓	✓	✓	✓
★ NJTPA/Middlesex County Main Street (CR 531) From Talmadge Avenue to Brunswick Avenue Safety Improvements Metuchen, NJ	✓	✓	✓	✓	✓	✓	✓	✓	✓
NJTPA/Ocean County New Central Avenue (CR 31) and North Hope Chapel Road (CR 639) Roundabout Jackson, NJ	✓	✓		✓	✓	✓	✓	✓	✓
★ NJTPA/Hudson County Park Avenue (CR 677), JFK Boulevard East/Boulevard East (CR 505 and CR 693) and JFK Boulevard (CR 501) Safety Improvements Various Cities, NJ	✓	✓		✓	✓	✓	✓	✓	✓
City of Hoboken 2022 - 2026 On-Call Traffic Engineering Support Hoboken, NJ		✓		✓	✓	✓	✓	✓	✓
Cape May County Rio Grande Avenue Entrance Improvements Wildwood, NJ	✓	✓	✓	✓	✓	✓	✓	✓	✓
NJTPA/Hudson County Frank E. Rodgers Boulevard Safety Improvements Harrison, NJ	✓	✓	✓	✓	✓	✓	✓	✓	✓
NJTPA/Hudson County JFK Boulevard (CR 501) - Phase IV From 43rd Street to 59th Street Various Cities, NJ	✓	✓		✓	✓	✓	✓	✓	✓
NJTPA/Hudson County Secaucus Road, From Paterson Plank Road to Route US 1 & 9 Tonnelle Avenue Southbound Ramps Various Cities, NJ	✓	✓		✓	✓	✓	✓	✓	✓
NJTPA/Hudson County Paterson Plank Road (CR 681) - West Side Avenue to Park Plaza Drive Secaucus, NJ	✓	✓	✓	✓	✓	✓	✓	✓	✓
NJTPA/City of Newark Bergen Street From Madison Avenue to 14th Avenue Newark, NJ	✓	✓		✓	✓	✓	✓	✓	✓
City of Atlantic City/SJTPO Pacific Avenue Signal Optimization Atlantic City/ ITS Master Plan Atlantic City, NJ	✓	✓		✓	✓	✓	✓	✓	✓
★ [TA] City of Camden Safe Routes to School Design Assistance Program for Morgan Village Camden, NJ	✓	✓		✓					✓
★ [TA] NJDOT Taft Avenue Pedestrian Bridge Woodland Park NJ	✓	✓	✓	✓	✓	✓	✓	✓	✓
★ [TA] Burlington County Rancocas Creek Greenway (RCG) Trail Burlington County, NJ	✓	✓	✓	✓	✓	✓	✓	✓	✓
★ [TA] City of Somers Point Bike Path Widening & Extension Somers Point, NJ	✓	✓		✓	✓	✓	✓	✓	✓

Local insight combined with statewide experience supports efficient delivery, smoother coordination, and consistent results from project to project.

ATLANTIC COUNTY

CLIENT: City of Somers Point

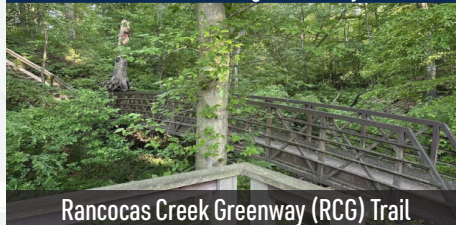


Somers Point Bike Path Widening & Extension

Provided **preliminary engineering through construction** administration to widen and extend the bike path. Improvements included **ADA-compliant curb ramps, ornamental and LED lighting, landscaping, benches, bicycle amenities, traffic signage and striping, and waste stations.** A **public information center** supported community engagement and project buy-in.

BURLINGTON COUNTY

CLIENT: Burlington County



Rancocas Creek Greenway (RCG) Trail

Advanced a regionally significant, NJDOT TAP-funded **shared-use trail** forming a key link in the Greater Philadelphia trail network. Work includes approximately four miles of **ADA- and AASHTO-compliant trail, pedestrian bridge design, environmental permitting, and delivery through Preliminary Engineering and Final Design with full agency and public coordination.**

CAMDEN COUNTY

CLIENT: City of Camden



Safe Routes to School Design Assistance Program

Designed **pedestrian and bicycle safety improvements** serving over 700 K-8 students, including **curb ramps, high-visibility crosswalks, stop bars, and new sidewalks.** Coordinated with NJDOT Local Aid and the City of Camden and supported **public meetings and site visits** with elected officials and community stakeholders.

ESSEX COUNTY

CLIENT: NJTPA/City of Newark



Bergen Street Pedestrian Safety Corridor Improvements

Led conceptual through final design of **corridor-wide pedestrian safety improvements** using **Complete Streets principles.** Enhancements included **traffic calming, bicycle and transit accommodations, ADA upgrades, midblock crossings and beacons, streetscape improvements, and public outreach** informed by safety audit findings.

HUDSON COUNTY

CLIENT: City of Hoboken



Willow Avenue Vision Zero Safety Improvements

Supporting the City of Hoboken and Hudson County in **redesigning a high-crash corridor** under NJDOT's TAP program to advance Vision Zero goals. Improvements include **bicycle lanes, curb extensions, ADA curb ramps, and upgraded pedestrian facilities,** with design guided by **local, state, and national standards** and supported by **public engagement and agency coordination.**

HUDSON COUNTY

CLIENT: NJTPA/Hudson County



Park Avenue & JFK Boulevard Improvements

Delivered conceptual through final design for a **five-mile, corridor-wide safety improvement project across six municipalities.** Enhancements at **56 intersections** included **multimodal traffic calming, ADA upgrades, streetscape improvements, and new and upgraded traffic signals, midblock HAWK beacons, and RRFBs.**

MIDDLESEX COUNTY

CLIENT: NJTPA/Middlesex County



Main St. from Talmadge Ave. to Brunswick Ave.

Delivered conceptual through final design for a **1.1-mile corridor-wide safety project,** incorporating **multimodal traffic calming at 20 intersections.** Improvements included **ADA upgrades, streetscape enhancements, new and upgraded traffic signals, RRFB crossings, traffic analysis, and public outreach** to support safer pedestrian and bicycle travel.

PASSAIC COUNTY

CLIENT: NJDOT



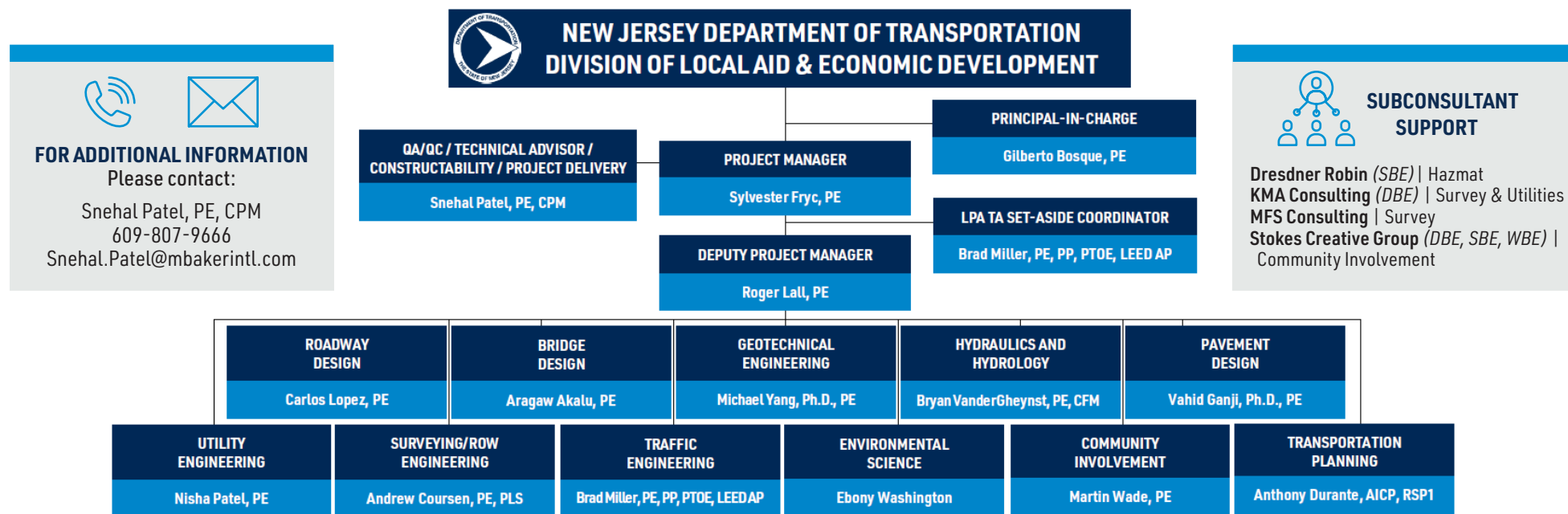
Taft Avenue Pedestrian Bridge over Rt. 80

Delivered concept development through final design for **replacement of a structurally deficient pedestrian bridge,** with a **focus on safety, accessibility, and community connectivity.** Services included **public involvement planning, stakeholder coordination, and outreach** to address impacts to surrounding neighborhoods and vulnerable populations.

YOUR PROJECT TEAM, ORGANIZED TO DELIVER

Michael Baker
INTERNATIONAL

Defined roles, direct communication paths, and clear responsibility from start to finish.



NEHAL PATEL, PE, CFM QA/QC / TECHNICAL ADVISOR

- Former NJDOT Assistant Commissioner and State Transportation Engineer (2018-2022)
- 36+ years of NJDOT experience
- Oversees Transportation Alternatives Set-Aside Program projects
- Provides technical guidance and quality control for deliverables
- Deep expertise in Federal-aid programs, grants and FHWA EDC initiatives
- Coordinates and communicates across LPAs, NJDOT and stakeholders



SYLVESTER (SLY) FRYC, PE PROJECT MANAGER

- Proposed Project Manager with 35+ years of experience
- Extensive highway and roadway design leadership
- Manages local, federal-aid, and NJDOT projects
- Experience with NJDOT on-call agreements
- Expertise in TE/TA and complete streets improvements
- Strong background in ADA, safety, and community-focused projects



BRAD MILLER, PE, PP, PTOE, LEED AP LPASET-ASIDE COORDINATOR

- Transportation planner/engineer with 20+ years of experience
- Focus on safety, mobility, and equity for all users
- Implements FHWA Proven Safety Countermeasures
- Extensive multimodal safety project experience in New Jersey
- TE/TA project experience across municipalities, counties, and LPAs
- Supported by experienced team with MPO and NJDOT Local Aid expertise



ROGER LALL, PE DEPUTY PROJECT MANAGER

- Transportation PM with 30+ years of experience managing local TAP and complex NJDOT Major Projects throughout NJ
- Deep expertise in NJDOT Capital, Local Aid, and Limited Scope delivery
- Extensive Federal Aid Highway Program (FAHP) leadership experience
- FHWA background ensuring federal compliance and efficient project advancement
- Skilled in leading multidisciplinary teams and stakeholder coordination



MAKING NEW JERSEY A BETTER PLACE TO LIVE, WITH SAFER, MORE ENJOYABLE WAYS TO BICYCLE AND WALK



Pedestrian Signal Heads



Mid Block Crossing and Curb Extensions



Decorative Street Lighting



Skid Resistance High Visibility Crosswalks



Multi-Modal Trails



Adequate Accommodations for Users of All Abilities



Pedestrian Bridges



Green Infrastructure