



Designing Safer and More Accessible Walking and Bicycling Environments for Children



NJDOT Approved Safe Routes to School Design Assistance Program Consultant

Congratulations on being selected for a Safe Routes to School (SRTS) Grant!

Having achieved this significant milestone, it is now time to select a consultant from the NJDOT preapproved pool of SRTS design consultants to assist you with engineering design and/or project management services. **Greenman-Pedersen, Inc. (GPI)** has the optimal blend of comprehensive engineering and management experience to navigate your project from the start of design to authorization of the construction funding. The staff at GPI is well acquainted with the federal process and has worked with the personnel of the NJDOT Division of Local Aid and Economic Development on numerous occasions to advance projects of all types to the construction phase. Examples of eligible SRTS projects include installation of ADA compliant sidewalks, bike paths, striping, lighting, signals, traffic calming improvements, etc. GPI has the pedestrian and bicycle safety expertise to develop a solution that is the right fit for your community.

Based on your needs, we can assist or perform some or all of the activities necessary to develop a bid/authorization package that complies with all applicable state and federal laws, rules and regulations as well as federal, NJDOT and recognized industry design standards including AASHTO, MUTCD, ADA, NJDOT and/or local Complete Streets Policies. GPI can provide design expertise in the following areas as needed, based on the nature and complexity of the project.

ADA Compliant Intersection Design

- Compliant Curb Ramp Design Including Detectable Warning Surfaces
- Countdown Pedestrian Signals and Pushbuttons

Bicycle Facilities Design

- Bicycle Lanes / Boulevards
- Bike Parking Facilities
- Bike Route Signage
- Cycle Tracks
- Off-Road Bike Routes
- Shared Use Paths

Intersection Improvement Design

- Drainage / SWM
- High Visibility / Raised / Textured Crosswalks
- Intersection Lighting

ITS and Traffic Signal Design

- Pedestrian Flashing Beacons
- HAWK Signals
- In-Pavement LED Lighting
- Radar Speed Displays/VMS

MUTCD Signing and Striping Design

- High Visibility Crosswalks
- Shared Lane Markings

Pedestrian Facilities Design

- Buffer Zones (landscaping)
- Compliant Curb Retrofitting
- Curb and Sidewalk Design
- Pedestrian Scale Lighting
- Repair and New Installation

Public Outreach / Involvement

- Formation of SRTS Coalition / Team
- Interviews with Neighborhood Parents, School Children, Teachers/Principals, Elected Officials, Businesses and Community Groups
- Public Meetings and Forums
- Presentations
- Mailings / Surveys

School Zone Design

- Bicycle and Pedestrian Trails
- School Travel Plan Development
- Traffic Regulation Development

Traffic Calming / Corridor Improvement Design

- Complete Streets
- Pavement Markings and Stencils
- Road Diets
- Speed Tables

We can also prepare and/or obtain:

- Right-of-Way, Utility, Design and Railroad Certifications
- Public Interest Finding (PIF) Statement / Justification for Patented Proprietary Items
- Classification Codes Worksheet for Civil Rights Goal Determination
- Trainee/Apprentice Classifications - DBE/ESBE/ Training Goals
- Approved Environmental Document (CED and ER) with SHPO Concurrence
- Construction Environmental Checklist

Project Approach

We will advance your project by:

1. Understanding your needs and desired outcomes for the project.
2. Working with you and your staff to review the requirements and procedures for advancing your project through the federal aid process;
3. Identifying potential constraints or impacts that could delay the project or make the project cost prohibitive;
4. Utilizing a systematic approach which includes the use of checklists to ensure that the project follows all required procedures, submittals, permits, and approvals to obtain federal authorization.

Relevant Experience

Safe Routes to School Program - Improvements at 30 Intersections

Client: Maplewood Township, Location: Maplewood, NJ

Safe Routes to School Infrastructure Improvement for 4 Schools

Client: City of Kingston, Location: Kingston, NY

Geyser Road Safe Routes to School Project

Client: City of Saratoga Springs, Location: Saratoga Springs, NY

School Safety Project for 75 Priority Schools

Client: New York City Dept. of Transportation, Location: NY, NY

Morristown Mobility Project

Client: ARUP, Location: Morristown, NJ

Traffic Calming Study/Signal Optimization/Streetscape Improvements

Client: Maplewood Township, Location: Maplewood, NJ

Somerset County Bikeway

Client: Somerset County Park Commission, Location: Duke Isl. Park, NJ

West Milford Bikeway Improvements

Client: Township of West Milford, Location: West Milford Township, NJ

Flemington Streetscape Lighting

Client: The Borough of Flemington, Location: Flemington, NJ

South Park Street Streetscape Improvements

Client: Township of Montclair, Location: Montclair, NJ

Lakeview Avenue Streetscape Improvements

Client: City of Clifton, Location: Clifton, NJ

Convenient New Jersey Office Locations

Our staff of over 250 professionals located in our 4 New Jersey offices and 1,300 in multiple offices across the US offer the available resources to meet any project schedule.



GPI's Project Manager

Our proposed Project Manager, Bernie Boerchers, P.E., P.T.O.E. has over 30 years of experience in transportation planning and design in New Jersey. He has managed a wide variety of transportation projects through the local and federal aid processes including a previous on-call agreement with NJDOT Local Aid to provide design support and guidance in the development of a number of locally sponsored projects. Many of the projects that he has managed have included pedestrian and bicycle facilities and accommodations, ADA compliant sidewalks, ramps and signals, streetscaping, decorative street lighting, wayfinding signage, trail design, drainage improvements, traffic calming and safety improvements.

As an extra level of quality, GPI's Robert Werkmeister will perform a thorough review of all contract documents and reports to ensure that they are in full compliance with federal and state requirements. Mr. Werkmeister previously served as the Manager of the NJDOT's Regional Local Aid Office, and through this experience, he is well versed in the review and coordination of planning, design, and construction and associated federal documents to confirm complete compliance with all applicable regulations.

Contact

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About Greenman-Pedersen, Inc. (GPI)

Founded in 1966, GPI is a leading engineering consulting firm that specializes in the innovative design and construction of transportation infrastructure and building projects. Our experts provide comprehensive engineering, design, planning and construction inspection services to a wide variety of government agencies, municipalities, institutions, industries, corporations, private organizations and developers.

Specialties: Highway Engineering, Planning & Urban Design, Traffic Engineering, Bridge Engineering, Building Systems Engineering/MEP, Survey/LiDAR, GIS/Asset Management, Construction Inspection, Protective Coatings, Landscape Architecture, Environmental, Laboratory Services.



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