



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:

- drainage improvements
- traffic calming measures
- traffic signal design
- streetscapes
- bicycle and pedestrian facilities
- landscaping

- 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.



SAMPLE PAST PROJECT EXPERIENCE

Our team's past experience provides the flexibility required to quickly adapt to new regulations and procedures, which is a common occurrence with ADA reviews. In addition, we have the dual experience of design and inspection of accessible facilities. Our experience working in the field, observing how contractors pursue compliance in challenging situations, as well as seeing the results of less successful attempts, provides the necessary basis to make reasonable judgments on achieving acceptable ramp designs.

NJDOT TRANSPORTATION ALTERNATIVES DESIGN ASSISTANCE PROGRAM - LENOLA TOWN CENTER IMPROVEMENTS

McCormick Taylor was selected to provide design assistance for Moorestown Township's Lenola Town Center streetscape project. Moorestown Township received a Federal Grant for the NJDOT 2016 Transportation Alternatives Design Assistance Program.

The Lenola Area of Moorestown has many attributes of a successful neighborhood town center, but lacks the vibrancy and connectivity to reach its potential. This project will provide



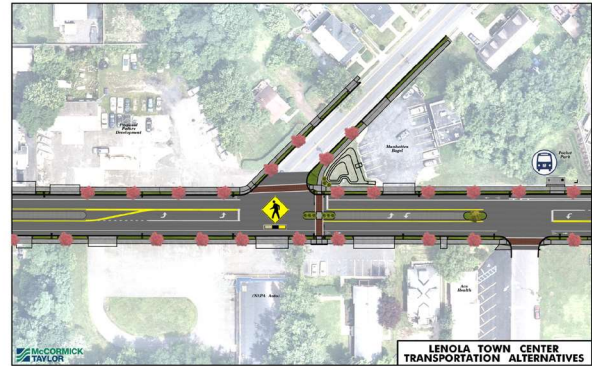
increased connectivity via bike lanes, enhanced sidewalks and crosswalks, a bus shelter, and traffic calming strategies to create a safe and inviting streetscape, which will be the catalyst of a new revitalized Lenola Area.

Unfortunately, the Lenola Town Center is struggling to maintain its economic viability in the face of increased competition. The inability of the current street design to provide for the safe and effective movement of pedestrians, cyclists, motorists, and mass transit users, as well as an uninviting streetscape is a deterrent to local residential shoppers, out of town visitors, and investment.

The project will include a new street design to provide narrower travel lanes, two dedicated bike lanes, attractive and ADA-Compliant sidewalks, decorative crosswalks, bus stop and shelters, and traffic calming improvements. Streetscape improvements will include lighting, bicycle parking, benches, litter/recycling receptacles, gateway signage, Share the Road signs, and a wayfinding package. The short-term goal is to provide safer access for pedestrians, cyclists, motorists, and mass-transit users



via new roadway design, traffic calming strategies, signage, and streetscape. The long-term goal is to see an increased number of people using alternatives to cars, visiting the corridor as a destination, and choosing to live, shop, and dine in the Lenola Area.



NJDOT TRANSPORTATION ALTERNATIVES DESIGN ASSISTANCE PROGRAM - PENNSAUKEN-MERCHANTVILLE MULTI-USE TRAIL

McCormick Taylor is currently providing Design Assistance to Pennsauken Township for the first phase of Pennsauken's multi-use path, which will be a part of the Camden Active Trail Network. The 1/2 -mile multi-use trail extension will link to Merchantville's existing path at Cove Road and provide users with access to Bethel Avenue near the Woodbine Swim Club and Pinsetters' Bowling Alley. The design included a new trail crossing at Cove Road with pavement markings, ADA-compliant curb ramps, a high-visibility crosswalk, and a pedestrian flashing beacon. Trail enhancements included tree plantings, landscape improvements, and rest areas along the trail.



PENN STATE UNIVERSITY ATHLETICS AND OFFICE OF PHYSICAL PLANT – ADA PARKING AND ACCESSIBLE ROUTE EVALUATION STUDIES

McCormick Taylor studied and evaluated Americans with Disabilities Act (ADA) compliant access to Beaver Stadium, Recreation Hall, Pegula Ice Arena, and the Bryce Jordan Center. The evaluation focused on the University's compliance with ADA regulations for the provision of ADA accessible parking (including a complete inventory of the parking for each facility), the location of the parking in respect to the ADA accessible entrances for the facilities, and the provision of ADA accessible routes from the parking locations to the facility entrances. The evaluation considered both the daily use and all special events hosted at these facilities. McCormick Taylor developed two final recommendation reports which included matrices/tables of the evaluated information and as well as figures specific to each facility.



NJDOT SRTS DESIGN ASSISTANCE - SIDEWALK, CROSSWALK, AND SIGNALIZATION IMPROVEMENT

McCormick Taylor is currently providing design assistance for this SRTS project located in Woodstown Borough, Salem County.

The first phase of this project is located adjacent to the Mary S. Shoemaker Elementary School, which is located on East Millbrooke Avenue. The project will create a defined crossing area for students, provide ADA compliant curb ramps and a marked crosswalk crossing East Millbrooke Ave. In addition a sidewalk will be extended from the East Millbrooke Ave crossing to the main entrance of the Shoemaker School.

The second phase of this project is located along Bailey Street, Old Salem Road, and Alloway Road. Sidewalk will be provided between the existing sidewalk sections to create a continuous pedestrian path. Flashing school crossing signals

will be installed at the intersections where Lotus Avenue and Alloway Road meet Bailey Street. Also ADA compliant curb ramps will be constructed where required at the intersections.



NJDOT SRTS DESIGN ASSISTANCE - PEDESTRIAN MULTI-USE PATH AND WALKING ROUTE IMPROVEMENTS

McCormick Taylor is currently providing design assistance for this SRTS project located in Eastampton Township, Burlington County. This project is located adjacent to the Eastampton Community School. A proposed multi-use path will connect the existing paths from the Manor House, the school parking lots and the path to Nottingham Way. The path will provide links to multiple destination points in the area including Cliver Park, residential areas, the Manor House, Student Drive and Woodlane Road. The project will also address damaged sections of sidewalk, and install ADA compliant curb ramps and crosswalks to enhance walkability in the residential area between Knightsbridge Road and the Eastampton Community School.



PHASE I SRTS PEDESTRIAN SAFETY IMPROVEMENTS

McCormick Taylor is currently providing design assistance for this SRTS project located in Maple Shade Township, Burlington County. Maple Shade Township received a Federal Grant for the NJDOT Safe Route to School Design Assistance Program. This project is located adjacent to the Maple Shade High School on Frederick Avenue. Frederick Avenue is a major component to the pedestrian circulation network, which connects residential areas with both the local High School and the Maude Wilkins Elementary School. The project will install missing sections of sidewalk, ADA compliant curb ramps and crosswalks to enhance walkability.



VARIOUS RAMP DESIGNS THROUGHOUT PENNDOT DISTRICTS 5 AND 6

On numerous state and county projects, McCormick Taylor was the lead designer on ADA curb ramp designs and obtaining approval from the Districts.

ADA RAMP DESIGN REVIEWS - PENNDOT DISTRICT 5

Supporting the District ADA Coordinator, McCormick Taylor was responsible for reviewing both Pedestrian Study and Technically Infeasible Form submissions made as part of the ARRA curb ramp projects in all six counties throughout the District.



ADA COMPLIANCE PROGRAM CONSTRUCTION MANAGEMENT AND INSPECTION POLICY AND PROCEDURE MANUAL - MARYLAND STATE HIGHWAY ADMINISTRATION (SHA)

McCormick Taylor developed a policy and procedure manual for the Maryland SHA's Office of Highway Development - Innovative Contracting Division. This manual serves as a guideline for the administration, construction management, and inspection of ADA Compliance Construction contracts.

ADDITIONAL SERVICES

In addition to ADA ramp inspections we are currently performing for the City of Philadelphia, McCormick Taylor has provided construction management and inspection for numerous projects including the Arden Road Bridge for Upper Merion Township, the Valley Road Bridge for the County of Delaware, the Basin Street Corridor for the City of Allentown, the West Valley Road Bridge for Tredyffrin Township, the Lindbergh Bridge and the 5th Street Bridge for Delaware County, the Freeman School Road Bridge in Montgomery County, and the Lafayette Street Extension project also in Montgomery County to name a few.

Our team's past experience provides the flexibility required to quickly adapt to new regulations and procedures, which is a common occurrence with ADA reviews. In addition, we have the dual experience of design and inspection of accessible facilities. Our experience working in the field, observing how contractors pursue compliance in challenging situations, as well as seeing the results of less successful attempts, provides the necessary basis to make reasonable judgments on achieving acceptable ramp designs.

CONTACT

Anthony DiMaggio, PE, PTOE
856.206.5317
amdimaggio@mccormicktaylor.com
700 East Gate Drive, Suite 201
Mount Laurel, NJ 08054