

A photograph of a street intersection with a brick-paved crosswalk and a yellow pedestrian crossing sign. The image is overlaid with a semi-transparent blue filter.

SAFE ROUTES TO SCHOOL PROGRAM (SRTS)

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.

SRTS EXPERIENCE

McCormick Taylor has extensive knowledge and understanding of the needs and services required to successfully complete SRTS projects.

McCormick Taylor's SRTS experience includes delivering high quality design services for a wide variety of project elements including:

- Bicycle and pedestrian facilities (sidewalks, exclusive bike lanes, shared use paths, etc.)
- ADA-compliant curb ramps and sidewalk
- Traffic calming measures (bulb-outs, raised crosswalks, etc.)

- Traffic signal upgrades/replacement (pedestrian pushbuttons, pedestrian countdown signal heads, etc.)
- Pedestrian hybrid beacons (HAWK signals) and flashing beacons
- Intersection improvements (installation of turning lanes, pedestrian refuge islands, etc.)
- Streetscapes and decorative lighting
- Landscaping
- Signing to ensure pedestrian and bicyclist safety
- Striping and pavement markings to enhance safety (high-visibility crosswalks, mid-block pedestrian crossings, Share the Road markings, etc.)
- Bicycle-safe inlet grates

We have designed all types of facilities including: concrete and brick paver sidewalks, stone and PCC curb, ADA-compliant 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 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 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 SRTS projects enables us to troubleshoot possible challenges that may arise throughout the design process to save our client costly changes.

Our experience in conceptual planning, design, and construction consultation, specific to SRTS projects, has enhanced our knowledge base of the process and procedures necessary to maintain the successful evolution of each project.

SAMPLE PAST PROJECT EXPERIENCE

OPEN-END CONTRACT FOR SRTS (AGREEMENT 1590) DELDOT, STATEWIDE

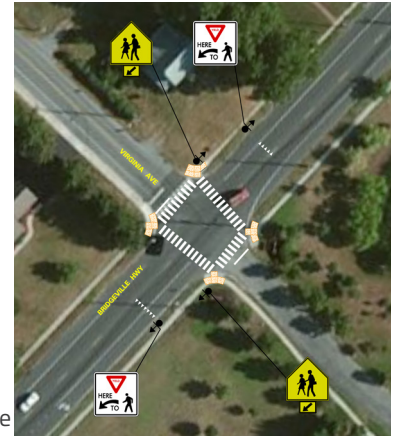
McCormick Taylor has been providing planning, engineering, and environmental services to DeIDOT Planning Division for SRTS projects since 2011. These SRTS projects include various types of infrastructure improvements along school walking and biking routes. Services provided by McCormick Taylor under this contract include Stormwater Management, Drainage Improvements, Traffic Engineering, Highway Engineering, Environmental Services, Lighting Design, Landscaping, Master Planning, Communications and Public Involvement. Types of projects completed under these contracts include SRTS Training Programs for adults and children; Parking Lot Design (pedestrian safety signage, installation of ADA facilities, addition of bicycle racks); Roadway Corridor Improvements (installation of exclusive bicycle lanes and/or Share the Road signs and pavement markings; addition of bicycle safe inlet grates; implementation of traffic calming measures, median refuge islands and Road Diets; installation of flashing beacons and mid-block pedestrian crossings; pedestrian signage); Streetscapes (installation of decorative lighting, brick paver sidewalks); Signal Improvements (installation of high-visibility crosswalks, pedestrian pushbuttons and pedestrian countdown signal heads); Utility Relocations (relocation of inlets and utility poles); and Sidewalk Improvements (installation of ADA-compliant sidewalk and curb ramps, filling in missing sidewalk gaps, curb installation).



MILFORD CENTRAL ACADEMY, MILFORD, DE

SRTS SEAFORD AND WOODBRIDGE SCHOOLS, SUSSEX COUNTY, DE

McCormick Taylor prepared two conceptual designs for Seaford Middle School to inhibit children from jaywalking across Stein Highway. One option was the design of a landscaped center median in front of the school, and a second option entailed pedestrian improvements at the nearby Virginia Avenue and Bridgeville Highway intersection. The



intersection option was chosen based on consensus from school officials, community stakeholders, and local officials. Final design of the improvements was completed, which included high-visibility crosswalks, ADA-compliant curb ramps, school crossing signs, pedestrian safety signage, and Yield pavement markings.

At the Woodbridge Middle School in Bridgeville, DE, school it was determined that children using a well-worn unpaved walking path were crossing Main Street to walk to school without any delineations or signage for safety. McCormick Taylor evaluated the conditions of the existing crossing and coordinated with DeIDOT's Traffic Unit to determine whether a mid-block crossing was feasible in that location. A traffic study was prepared to show that the existing conditions met the DE-MUTCD criteria, and the project was presented to the school and community and received support. Final design of the project was completed, which included installation of high-visibility crosswalks and school crossing signs, new sidewalk, ADA-compliant curb ramps, improved striping, and drainage improvements.

STATEWIDE GENERAL ENGINEERING SERVICES – CAMDEN CENTRAL GATEWAY PROJECT, CITY OF CAMDEN, NJ

A high-profile, accelerated project, McCormick Taylor managed the Concept Development, Feasibility Assessment, Final Design and Construction Engineering Services phases of the NJDOT Capital Project Delivery Process. The entire project process was completed on an accelerated schedule with the Final Design completed, environmental document (NEPA CED) secured and NJDEP permits obtained within eight months. The project required extensive public outreach and coordination with stakeholders including the City of Camden, FHWA, local business owners, Campbell's Soup Company

and CCMUA. It also entailed the incorporation of an ADA-compliant multi-use bicycle/pedestrian trail, which is part of the Camden Greenway Project. The greenway trail incorporated Context Sensitive Design solutions such as ornamental lighting, stamped concrete, greenway signage, brick pavers, and street trees where ROW was available. SRTS elements such as ADA compliant curb ramps and high visibility crosswalks were provided at 23 intersections in the project area to enhance safety for children accessing the Forest Hill Elementary School and Camden High School. A Categorical Exclusion Document (CED) was prepared and secured in accordance with the FHWA NEPA process. McCormick Taylor was responsible for preparation and submission of a Concept Development/ Feasibility Assessment Report as well as full Preliminary Design, Final Design and PS&E packages.



CAMDEN CENTRAL GATEWAY

ROUTE 35 MP 0.0 TO 0.4 PAVEMENT RECONSTRUCTION, OCEAN COUNTY, NJ

McCormick Taylor provided final design and construction engineering services to reconstruct a 4-mile corridor of Route 35 subsequent to Superstorm Sandy. The project included pavement reconstruction; drainage upgrades including pump stations, drainage pipes, inlets and bicycle-safe grates; traffic signal replacement including high-visibility crosswalks, pedestrian pushbuttons and pedestrian countdown signal heads; installation of a pedestrian hybrid beacon (HAWK signal) and mid-block pedestrian crossings with high-visibility crosswalks and pedestrian safety signage; implementation of an exclusive bicycle lane and associated signage/pavement markings along Route 35; design of more than 400 ADA-compliant curb ramps and detectable warning surfaces; reconfiguration of on-street parking; sidewalk and crosswalk improvements; and signing upgrades.



ROUTE 35 PAVEMENT RECONSTRUCTION

TRANSPORTATION ENHANCEMENTS PROGRAM, DE

McCormick Taylor has been assisting DeIDOT with conceptual design, final design and construction engineering services for Transportation Enhancements contracts for more than 10 years. Services provided under these contracts have included sidewalk enhancements; design of ADA-compliant curb ramps and sidewalks; corridor projects that include upgrades such as increased lighting, traffic signal enhancements, and bulb-outs for



DAGSBORO STREETScape IMPROVEMENTS-
DAGSBORO, DE

pedestrian safety; improved signing for bicycle and pedestrian safety; and installation of multi-use trails. Each of these projects also involved extensive coordination with project sponsors, elected officials and the general public to solidify community support.

SURVEY AND ENGINEERING SERVICES, SHA DISTRICT 4, MD

McCormick Taylor provided preliminary and final design services for a variety of projects that involved roadway and intersection upgrades including new curb, pedestrian push buttons and signal heads, installation of ADA-compliant sidewalk and curb ramps, redesign of on-street parking, installation of bicycle and pedestrian facilities, installation of exclusive bicycle lanes and associated signing and pavement markings, and traffic calming measures. Streetscape design included pedestrian amenities, public space design and decorative lighting. Drainage improvements included new drainage pipes, inlets, and bicycle-safe gates.



PRELIMINARY AND FINAL ENGINEERING DESIGN SERVICES AND ON-CALL ENGINEERING SUPPORT, MD

McCormick Taylor provided preliminary and final design services for a variety of projects that involved roadway and intersection upgrades. For the US 220 (McMullen Highway) from MD 53 to MD 636 Project in Allegheny County, McCormick Taylor designed turning lanes at intersections, pavement resurfacing, replacement of existing curb, exclusive bicycle lanes, redesign of on-street parking, traffic calming measures such as bulb-outs to address pedestrian safety, installation of a mid-block pedestrian crossing, and design of ADA-compatible curb ramps. Landscape architecture elements such as gateway signage and brick paver sidewalks were also designed. The MD Business (Main Street) from North Woods Trail to CSX Railroad project included final design of the following: reconstruction of shoulders and on-street parking areas, pavement resurfacing, new curb, ADA-compliant sidewalk and curb ramps, bump-outs to enhance pedestrian safety, new sidewalk to connect missing linkages, and traffic calming measures.



MCMULLEN HIGHWAY

VARIOUS RAMP DESIGNS AND DESIGN/CONSTRUCTION REVIEWS 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. In addition, McCormick Taylor reviews ADA designs in and is also responsible for field inspection of the completed ramps.



2ND AND ROOSEVELT, PHILADELPHIA, PA

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

Kenneth Burkhardt, PE, PTOE
856.793.0800
kburkhardt@mccormicktaylor.com
700 East Gate Drive, Suite 201
Mount Laurel, NJ 08054