Project Title: C-08-03 : Energy Efficient and Safe Roadway Travel
PIN: R021.08.881
Responsible Unit: Engineering Division, Office of Technical Services
Project Manager: Kabir, Humayun

Project Goal:
The goals of this project include:
• Improve safety along roadways in New York State by determining how lighting can help reduce accidents in work zones and other areas where cars and pedestrians share the roadway
• Support safe operation of transportation infrastructure by utilizing technologies and landscape solutions that improve visibility and safety
• Promote a cleaner environment by minimizing wasted electric energy caused by improper and ineffective lighting of roadways; reducing the wasted gasoline and environmental pollution caused by work zone traffic congestion; and using roadside vegetation to help mitigate the atmospheric pollution caused by vehicle emissions

Actions Proposed:
The proposed study will investigate promising approaches to lighting and visual information, including the use of roadside landscape vegetation as a means of reinforcing visual information, improving roadway safety, helping to absorb the impact of roadside vehicle crashes, and potentially reducing atmospheric pollution from traffic emissions. These approaches will be evaluated, and the results will be presented to transportation engineers and other transportation stakeholders.

Anticipated Work Products and Accomplishments:
• Review of Existing Lighting and Roadside Practices, Policies, Procedures, and Guidelines
• Analysis and Evaluation of Potential Lighting and Roadside Landscape Concepts
  □ Conduct a Roundtable of Roadway Stakeholders in New York State
  □ Develop a Detailed Workplan, Schedule, and Budget for a Phase 2 Deployment
  □ Final Report

Proposed Budget: $75,000