Project Title: C-06-29 : Automated Transit Infrastructure Maintenance Demonstration

PIN: R020.80.881
Responsible Unit: Freight and Economic Development Division
Project Manager: Weber, Matt

Project Goal:
To demonstrate a commercial (Bentley Optram System) automated track maintenance system on a 2 mile stretch of the New York City Transit (NYCT) rail infrastructure. This advanced transportation system offers reduced maintenance costs by avoiding critical outages at peak traffic times and by allowing for rapid data extraction for compliance with state and federal regulations.

Actions Proposed:
NYCT is currently under contract with Bentley to implement a pilot program for a stretch of their line, but the agreement only covers the purchase and maintenance of the software. Further funding is required for the consulting for configuration of and training for the software. Since funding is already in place for the required software package, the NYS funding would cover the configuration of the software for the specific region of track. Also wrapped in would be developing a roll-out plan for the remaining tracks, collection of data, building of track charts, validation of the system and installation at NYCT, and finally a training session for appropriate personnel.

Anticipated Work Products and Accomplishments:
• Configuration of the Optram System for NYCT.
• Development of a strategic plan for system-wide implementation.
• Data collection, display and analysis.
• System demonstration and validation.
• One-day User Training Session.
• Outreach and Technology Transfer
• Monthly Progress Reports
• Final Report

Proposed Budget: $295,420