Project Title: C-06-31: Qualification/Validation of a Railroad Wheel Inspection System

PIN: R020.82.881
Responsible Unit: Freight and Economic Development Division
Project Manager: English, Jeff

Project Goal:
International Electronic Machines Corporation (IEM) has developed a state-of-the-art inspection system to provide railroad wheel profile and dimensional measurements, detecting cracks and shelling conditions, and flags out-of-roundness and flat spots. This system integrates easily with the existing equipment and railway, and IEM is in the process of installing this system at the CSX Transportation Selkirk Yard, this project would provide documentation of the performance of the system under actual operating conditions, which will be very useful in validating the benefits of the system.

Actions Proposed:
The project will develop a comprehensive test plan and integrate the inspection system with the existing CSX Yard Management System. Once operational, data will be collected and analyzed to validate the system performance. Design modifications and software revisions will be undertaken as required and a detailed Marketing Plan will be developed.

Anticipated Work Products and Accomplishments:
• Test Plan Development and Documentation
• Implementation and Data Collection
• Comprehensive Marketing Plan
• Outreach and Technology Transfer
• Monthly Progress Reports
• Final Report

Proposed Budget: $149,999