Project Title: C-07-09: Operational & Maintenance Uses of W-I-M on I-84 Newburgh Beacon Bridge

PIN: New Project
Responsible Unit: NYS Bridge Authority (NYSBA)
Project Manager: Moreau, William J.

Project Goal:
To better understand the traffic loads on our facility and to develop infrastructure for long term safety, enforcement and maintenance operations.

Actions Proposed:
• To develop and install a CVISN compatible electronic screening installation with WIM using Direct Short Range Communications and 915 MHz transponder technology
• Research, develop and test a real time communications based network with federation partners NYSDOT & NYSTA to improve system operational performance, reliability and commercial vehicle safety and weight enforcement operations
• Monitor & analyze weight based data including those generated by similar systems on NYSTA & NYSDOT connecting routes
• Explore integration of VII based applications such as electronic tolling utilizing DSRC based 5.9 GHz technology into network based system in partnership with NYSTA & NYSDOT

Anticipated Work Products and Accomplishments:
• Evaluate the current AASHTO design vehicle against actual vehicle loads
• Develop a design vehicle for upcoming bridge deck rehab projects
• CVISN compatible networked e-screening system with WIM and 24/7 real time data collection capability
• Partnership and program involvement with NYSDOT & NYSTA on statewide, multi-agency commercial vehicle e-screening based safety and weight enforcement program

Proposed Budget: $250,000