

### 1.1.3

## Statewide Noise Barrier Inventory Program

### **Presenter**

Joe Vankerkhove, P.E.  
Project Manager  
Bergmann Associates  
[jvankerkhove@bergmannpc.com](mailto:jvankerkhove@bergmannpc.com)

### **Co-Presenter**

Jeffrey Volpe, GISP  
GIS Business Segment Leader  
Bergmann Associates  
[jvolpe@bergmannpc.com](mailto:jvolpe@bergmannpc.com)

The New York State Department of Transportation needed to develop a GIS database with graphical user interface, and field inventory application (in Tablet PC or ArcPad) to inventory noise barriers constructed within New York State. Bergmann Associates worked with the state to develop a set of required data and standards that complies with the FHWA requirements for triennial barrier inventory as well as additional information requested by NYSDOT for the inventory. The inventory process would include field location and verification of each noise barrier segment, as well as research with each DOT regional office to obtain contract as-built data. This was incorporated into the final inventory data, creating a set of data in a GIS format that can be viewed in a GIS environment as well as used in tabular format to produce the required FHWA barrier inventory. This presentation will discuss how this project was completed as well as review the geodatabase model created and the mobile GIS data collection application.