

### 6.1.1

## "SEWP" sounds like "Soup" Tasty GIS Functionality for Transportation

### Presenter

Thomas W. Tiner, CP, GISP  
GIT Manager  
Michael Baker Jr., Inc  
[ttiner@mbakercorp.com](mailto:ttiner@mbakercorp.com)

### Co-Presenter

This Spatially Enabled Web Portal (SEWP) presentation will focus on the development of a transportation information portal designed for the New Jersey Turnpike Authority (NJTA). This portal is the distribution mechanism for access to the NJTA's Enterprise GIS (EGIS) data warehouse. Establishing the foundation of an EGIS is providing NJTA with an efficient method to share and maintain GIS and tabular data, as well as other related spatial applications throughout the Authority. The implementation provides a more efficient conduit to gather and analyze information in support of the decision making process. The transportation components available through this Portal include an ArcGIS Server JavaScript API interface, Video Log application, as well as NJTA's customized Straight Line Diagram (SLD) sheets. SLD information is depicted in the web portal page as Scalable Vector Graphics (SVG). The SVG data format is a World Wide Web Consortium (W3C) standard, which utilizes Extensible Markup Language (XML) to render two dimensional vector graphics in a web page. Attendees will be provided with an overview of the application lifecycle used to create the portal, as well as future plans to maintain the data within the EGIS and design consideration to incorporate additional functionality as new workflows are implemented.