

1.2.1

Developing a Web Portal for Distributing Transportation Asset Management Information at New Jersey Department of Transportation

Presenter

Yu "Bud" Luo
Michael Baker Jr., Inc.

Co-Presenter

Donald O. Perry

New Jersey Department of Transportation (NJDOT) has been collecting and maintaining various transportation asset data including public road network, traffic signs and signals, guardrails, passing zones, and many others. Traditionally the information is maintained and used on the NJDOT network and access to the data from other government agencies and the public has been limited and largely a manual and labor-intensive process. In order to provide the transportation asset data to the public in a timely and effective manner, Bureau of Transportation Data Development devised a module-based development plan to roll out a Transportation Asset Management Information Web Portal that is user friendly and solution oriented. The first module focuses on publishing both spatial and attribute data of transportation assets. Users can perform typical mapping and attribute query tasks in this module. The second module provides a more in-depth data query capabilities including both canned and real-time attribute queries. Users can export their query results and statistics to popular data formats such as Access, Excel, and XML. The other modules include Online Data Editing, Online Video Log, Online Generation of Straight Line Diagram, and Enhanced GIS and Mapping. This presentation will outline the overall strategy of the development plan, briefly demonstrate the existing modules, and discuss the lessons learnt.