

Development of a Bridge Information System - Phase II NM13SP-01

Budget: \$70,000 **Duration:** 24 months

Project Summary

The National Bridge Inventory (NBI) database constitutes the most comprehensive source of publicly available information on the condition of the nation's bridges over a twenty year period. The information is readily available through public sources, however the data is provided in an encoded text file format that makes the information difficult for casual users to understand. In FY08 the Department initiated development of a user-friendly software application that demonstrated the feasibility of using rapid application development (RAD) software tools to process this data and to produce maps and reports of commonly requested information of interest to a variety of end users, including researchers, state cultural resources personnel, and federal oversight agencies. A prototype of the application was completed in FY10.

In FY12, using the Microsoft™ .NET framework, the Research Bureau redesigned and recoded the application making it compatible with the 64 bit Windows 7 operating system and later versions. This ensures continuity of service for future program maintenance and enhancement needs. While the program as written serves as a functional prototype, a significant amount of evaluation, troubleshooting, customization and optimization of code remains in order to maximize the accuracy and efficiency of the program. Phase II of the project will build upon the success of Phase I by procuring professional services to provide coding support for a fully operational application that serves the needs of end users.



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To Be Determined

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