

2.2.3 Enterprise GIS Transportation Solutions for the Navajo Nation

Presenter

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Goal: To showcase how the Navajo Nation Department of Transportation is utilizing GIS technology to better manage, improve, and secure funding for its current roadway infrastructure.

Abstract: The DTS team provided a system database and architectural design that met the business objectives of the Navajo DOT and satisfied the reporting requirements of the Bureau of Indian Affairs. Multiple applications were developed for the Navajo DOT that allowed for the viewing, editing, querying, mapping and reporting of data. DTS worked with Navajo DOT to refine the system to streamline all aspects of the infrastructure management system/long range transportation plan application. DTS provided Navajo DOT with the support to enhance and streamline these applications to ensure that all of the application interfaces provided a useful container for storing and retrieving data. Ultimately, the completion of a roadway inventory for Navajo DOT provided the entity with an opportunity for increased federal funding for roadway improvements within the Nation.