

6.2.1

Project Prioritization with GIS

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The NCDOT SPOT Online application is a web based tool that allows users to define transportation projects in one of 6 modes: Highway, Bicycle-Pedestrian, Public Transit, Ferry, Rail, and Aviation. Using a wizard-like set of data input screens and a map, users can define a project, mark it's physical location, derive estimated costs, and determine a score for each project. Users can also assign "local Input points" as a way to provide additional rankings of the importance of a project within a particular geographic area. Project information may be printed and downloaded in a variety of formats.

The application was built using HTML and JavaScript with an Oracle database. The GIS components are based upon Esri's ArcGIS for Server technology. Co-developed by Esri and NCDOT development teams, the application was designed and built in less than 6 months in the latter half of 2013. The expected production release is January, 2014.