



Charlotte Visualization Center

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U.S. DOT PROJECT



Visualization Objectives

- Provide an interactive visualization system for county- or state-wide bridge data exploration and management
- Support integration of extensive data sources (e.g LIDAR, Remote Sensing) and external processes (ImageCat Analysis tools)
- Facilitate bridge managers' decision-making processes through comprehensive data analysis



Visualization System Functions

- Enables highly interactive data exploration.
- Supports complete bridge analysis from Geo-Spatial, Temporal and Relational aspects.
- Provide comprehensive understanding through integration of several extensive data sources.
- Supports higher level reasoning with a bridge ontology knowledge structure.