

GIS: A Tool for Managers

Presenter

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The Louisville Southern Ohio River Bridges GIS was developed to handle large and diverse data sets that covered most of the city of Louisville. The GIS that was developed functioned in several ways: 1. it was developed as a means of communication between multiple contractors, engineers, and project managers; 2. it easily handled hundreds of discrete data sets and allowed quick and accurate location of known and potential historic resources on the modern landscape; and 3. it allowed comparison of similar settings so that locations could be prioritized in terms of probability for resources and coordination with construction needs

What was achieved for the bridges GIS was greater efficiencies in the collection, collation, and distribution of data. Far more historic records were accessed and utilized that would have been in a normal project. Further, the GIS ensured that the work would not need to be done over and over; important for a project that is expected to continue for decades. Finally, the GIS allowed visualizations that could be utilized to effectively communicate to all project partners and ensured greater understanding of the cultural resource needs.