

Great Rivers Greenway GIS Bridge Inventory Summer 2017



Great Rivers Greenway







AIM OF THE BRIDGE INVENTORY:

the first step toward better stewardship of the bridges and other structures on our greenways to ensure a lasting legacy



THE PATH HERE: BRIDGE INVENTORY PROJECT

-  Performed field visits
-  Recorded observations, measurements, and took photos
-  Gathered and uploaded data, photos, and documents to GIS
-  Modified bridge layer in GIS
-  Will submit report to summarize findings



AT A GLANCE

73 BRIDGES



24 STRUCTURAL CULVERTS



7 BOARDWALKS



3 TUNNELS



3.2 MILES OF BRIDGES

Old Chain of Rocks Bridge

The Trestle

- Jefferson Barracks Pedestrian Bridge
- Grant's Trail Bridge over I-44
- Highway 94 Pedestrian Crossing
- River Des Peres Bridge
- Duckett Creek Boardwalk



GIS Bridge Layer Data



KEY

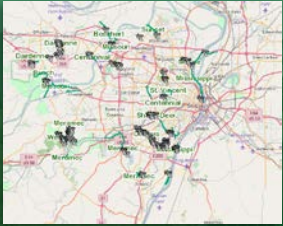
- Nominal Identification
- Design
- Spatial Characteristics
- Traffic Information
- Load Information
- Condition
- Maintenance



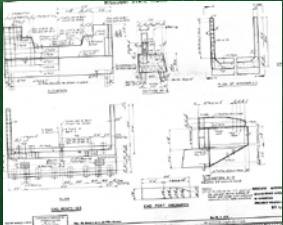
GIS DEMO



LIMITATIONS OF BRIDGE INVENTORY



Possibility of missing bridges



Information & documents sparse for many bridges

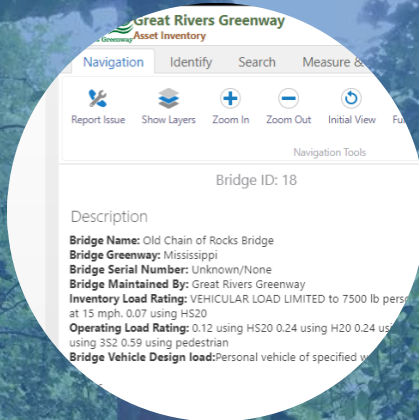


Measurements are approximate or estimated

RECOMMENDATIONS MOVING FORWARD



CREATE
INVENTORY OF
CULVERTS



KEEP BRIDGE
DATA UP-TO-DATE



TAKE ADVANTAGE
OF THE GIS

QUESTIONS?

