

Jordan Creek North Branch Daylighting Project



The Jordan Creek North Branch project, the first of its kind in Springfield, is a new approach to storm water management often referred to as “daylighting”. The project involved removing inadequate drainage tunnels and reconstructing a new “stream” ecosystem through a greenway corridor with a safe pedestrian trail connecting Silver Springs and Smith Parks. The new system provides 100-year flood capacity to protect adjacent properties and remove them from the floodplain. The trail makes a vital connection in the Vision 20/20 Parks, Open Space and Greenways plan.

This project increased the water capacity by more than double to reduce potential flood hazards while providing a variety of other benefits.

ENVIRONMENTAL BENEFITS

- The project design provides for stream flow infiltration to recharge the groundwater and incorporates native plant life to naturally filter stormwater runoff, which enhances water quality.
- Native buffalo grass and nearly 5,000 native plants provide a drought-tolerant, low maintenance landscape that will require little to no watering, mowing, fertilizers, or pesticides, which further protect water quality.
- Over 100 native trees will provide shade, wildlife habitat and other environmental benefits for the creek and surrounding neighborhoods.

NEIGHBORHOOD/COMMUNITY BENEFITS

- The project connects both neighborhoods and parks with a greenway corridor and trail that provides outdoor recreation opportunities and a safe pedestrian and biking route that includes four pedestrian underpasses.
- The channel design and native landscape provide community opportunities for creek-side enjoyment and connecting with nature.
- The project reduced the width of the floodplain, which is a significant benefit to adjacent properties and the surrounding neighborhood.
- Restoration of the rock walls at both ends of the project preserves this unique cultural feature.

TOTAL PROJECT COSTS: \$2,876,000

- Storm Water Bond Funds – \$2,552,000
- Federal Transportation Enhancement Grant Funds – \$160,000
- Springfield-Greene County Parks Funds – \$100,000
- City Utilities – \$54,000
- Community Foundation of the Ozarks Stewardship Ozarks Fund – \$10,000 (via a grant to Ozark Greenways, Inc.)

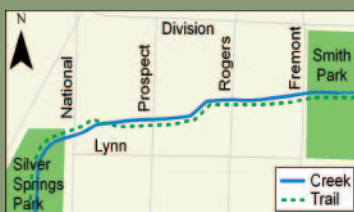


Pre-project, the creek tunneled underground; below, the reconstructed creek channel at work.



Project Partners:

- City of Springfield Public Works
- Springfield-Greene County Parks
- Ozark Greenways, Inc.
- City Utilities



For more information:

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