

## Regional Stormwater Design Standards

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City of Springfield, MO

The City of Springfield is a rapidly growing city on the Missouri Ozark Plateau. The City wishes to capitalize on this growth while maintaining the high quality of life and natural beauty that makes the area so attractive. The City commissioned an overhaul of their stormwater standards to optimize the protection of property, infrastructure and natural resources.

Teaming with Wright Water Engineers, Inc. from Denver, Colorado, I&L is collaborating with the City, Greene County and the region's stormwater steering committee to bring this goal to reality. I&L is responsible for all open channel standards which includes engineered channels, previously engineered and natural channels. This project poses many challenges for the community and successful implementation extends



beyond writing technical standards. Stream design standards based in fluvial geomorphology differs from previous design criteria; so communicating the intent of the new criteria to local engineers is critical. The prevalence of karstic terrain in the region poses additional challenges to open channel design.