

Oak Hill Channel Restoration

City of Bridgeton, MO

The Oak Hill reach of Cowmire Creek was a severely incised channel, with a degraded riparian corridor and widespread streambank erosion. Surrounding property and two pedestrian bridges were threatened by advancing erosion, and an undersized, enclosed drainage system created a flooding hazard for one residential property.

Intuition & Logic provided the final design and special provisions for a restoration plan that incorporated grade controls, bankfull shelves, a flood protection berm and several improved culvert approaches to halt incision and manage energy along 3,000 feet of stream. Extensive urban forestry was an important element of the restoration, improving riparian corridor health, water quality, habitat and further stabilizing the streambanks.

