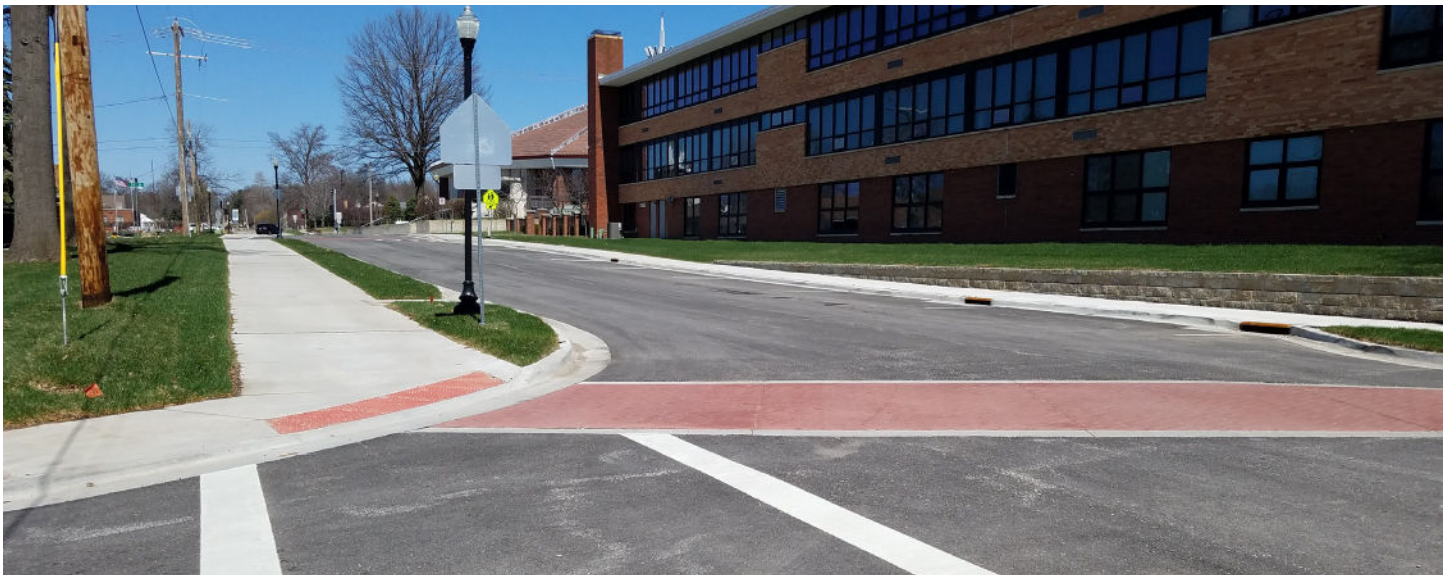
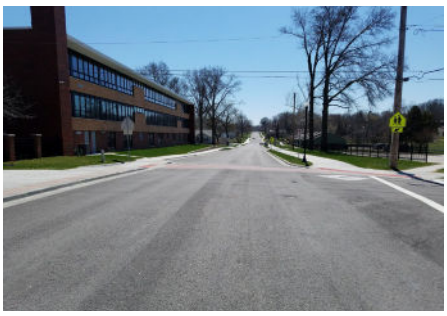
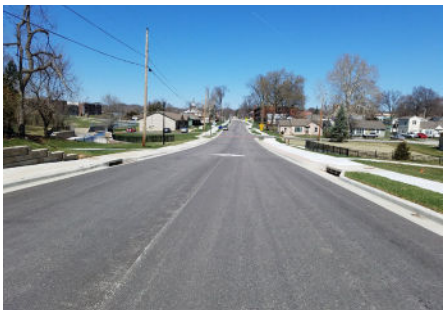
FLINT STREET IMPROVEMENTS (JOHNSON DRIVE TO 62ND TERRACE)

SHAWNEE, KANSAS







COMPLETION DATE

2017

COST OF SERVICES

$2.5M

REFERENCE

Paul Lindstrom, PE
Project Manager
P 913.742.6234
plindstrom@cityofshawnee.org

PROJECT DESCRIPTION

The City of Shawnee, Kansas, implemented the Shawnee Street Improvement Program (SIP) in Downtown Shawnee that focuses on public safety, effective multi-modal and reliable infrastructure, and environmentally sustainable solutions that would produce a high-quality way of life for its residents. McClure, alongside The Emery Sapp and Sons (ESS), was commissioned as a design-build team to reconstruct Flint Street for the City's first design-build street project.

The design-build delivery method allowed for an interactive process that streamlined the design and execution by providing vital cost savings for Shawnee. Our team documented the preliminary design. The McClure team prepared details of quantities, typical sections, survey control sheets with section ties, cross-sections, traffic control, phasing plans, erosion control, and then annotating the plans fully, with construction notes, where areas that the design-build team suggested could increase efficiency and ultimately result in a lower design fee.

With safety at the forefront of the Flint Street improvements, the road design met and exceeded the road design safety standards. With this in mind, our design corrected the grade of the hills in the area and improved the crosswalk lines in front of the school and trail to be more visible. Additional signage was put in place to increase the safety of the citizens of Shawnee.

PROJECT HIGHLIGHTS:

- Provided wider lanes, curbs, gutters, a sidewalk, and trail.
- Provided lighting along the corridor.
- Replaced existing ditch drainage with an enclosed drainage system of pipes and curb inlets.
- Performed a conceptual study to determine proper improvements from various alternatives.
- Provided green infrastructure design options.
- Gave presentations at public meetings and coordinated potential green infrastructure facilities.