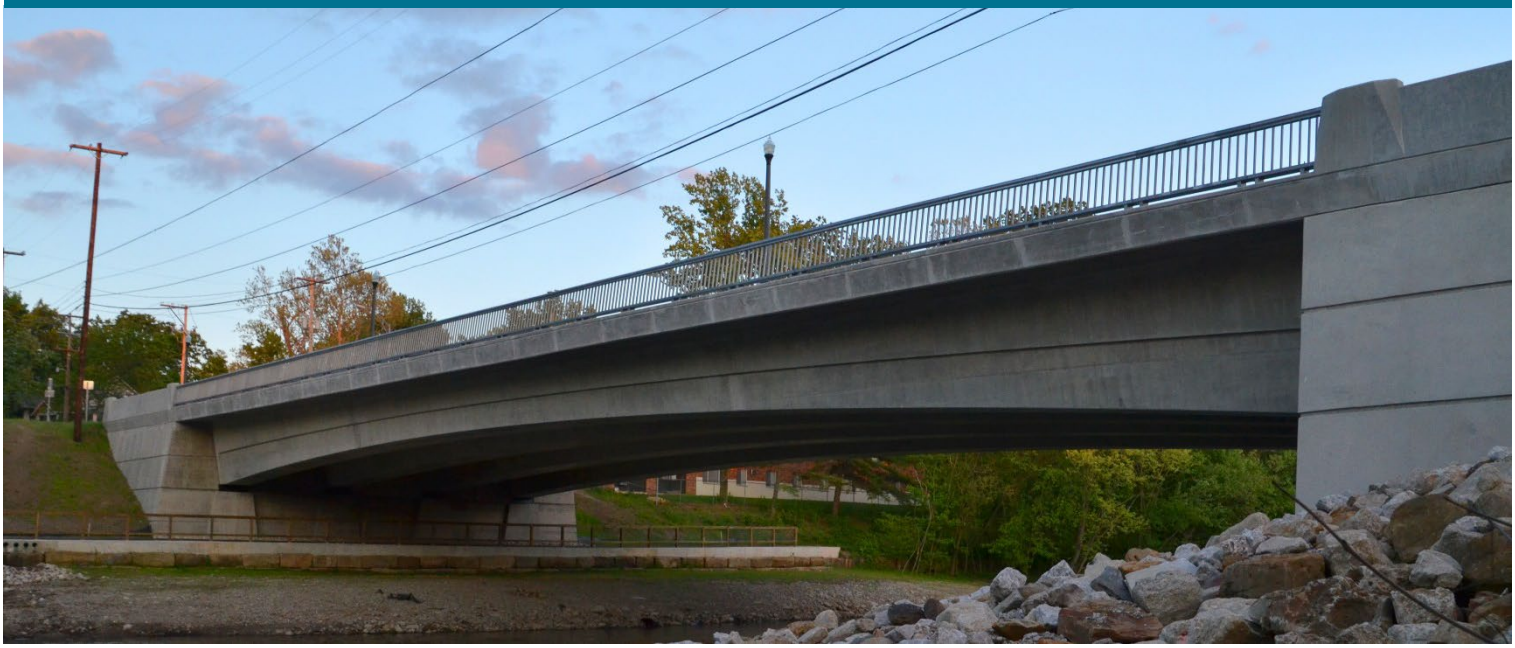

FRA-Dodridge Street Bridge

Franklin County, Ohio

Client: Franklin County Engineer
Contact: Cornell Robertson, PE, PS (614) 525-3021

Key Personnel:
Rick Engel, PE (PM)
Dave Traini, PE
Kevin White, PE
Matt Cornett, PE

Project Cost:
$7.68 Million Construction
$1.05 Million Design

Year Completed:
December 2012 Construction
April 2011 Design

E.L. Robinson's Role:
Prime Consultant
Structure Design
Roadway Design
Hydraulic Design

The Dodridge Street Bridge over the Olentangy River serves as a gateway into Olde North Columbus, one of Columbus' oldest neighborhoods.

The project replaced a deteriorating bridge and corrected the deficient roadway alignment. The original 206-foot-long bridge, constructed in 1901, was a 2-span through steel girder bridge with a timber floor system. The bridge was rehabilitated in 1952 and again in 1967 when the entire superstructure was replaced with precast concrete and prestressed adjacent box beams. In 2010, the Franklin County Engineer's Office determined the Dodridge Bridge to be in poor condition.

The structure handles over 14,000 vehicles per day, as well as numerous pedestrians. A few thousand pedestrian and bicycle users travel daily along the Olentangy River Greenway (ORG), which crosses underneath the bridge. The Franklin County Engineer's Office (FCEO) identified this project as an opportunity to solicit project-related design input from the surrounding community.

E.L. Robinson Engineering (ELR) completed plans to replace the deficient 206-foot-long 2-span bridge over the Olentangy River. The ***new aesthetically enhanced signature bridge consists of has a one-of-a-kind three-span, post-tensioned, pre-cast segmental concrete girder end-anchored superstructure, which includes superstructure end-anchored details at the abutments.***