



## FRA-Trabue Road

### Franklin County, Ohio

Client: Franklin County Engineer  
 Contact: Ed Herrick (614) 525-2785

#### Key Personnel:

Dave Traini, PE (PM)  
 Erik Brokamp, PE  
 Kevin Fahy, PE  
 Jim O'Leary, PE  
 Mike Vogt, PE  
 Christian Steck

#### Project Cost:

\$4.2 Million Construction  
 \$360,000 Design

#### Year Completed:

September 2020 Construction  
 November 2019 Design

#### E.L. Robinson's Role:

Prime Consultant  
 Bridge Design

E.L. Robinson Engineering worked with Franklin County to complete rehabilitation plans for the Trabue Road Bridge over the Norfolk Southern Railroad. As part of the project, the completed Feasibility Study included a Bridge Type Study for the Trabue Road bridge over the Norfolk Southern Railroad. The Feasibility Study evaluated alternatives for rehabilitating the existing Trabue Road Bridge, incorporating a Shared Use Path (SUP), or increased shoulder width for bicycle traffic on the structure. Three alternatives were evaluated and included rehabilitating the existing structure to incorporate widened 5' shoulders for bicycle traffic, widening the structure to include an 8' SUP, and widening the structure to include a 10' SUP. Alternatives were analyzed to provide utility impacts, right of way impacts, pedestrian/bicycle impacts, and cost differences. The final design included a widened superstructure with 2-4' shoulders, 2-12' Lanes, and an 8' SUP separated from vehicular traffic by a concrete barrier. The existing substructure was modified to accommodate the proposed widened superstructure without the existing piers' width.