



ESTABLISHED TRACK RECORD AND CAPABILITIES

Our dedicated bridge design team is highly knowledgeable and trained in structural analysis techniques. Our engineers thrive on investigating, evaluating, and identifying the root causes of structural defects, followed by devising appropriate engineering solutions. CTL Engineers excel in repair methodologies and construction management, regularly collaborating with multiple contractors on complex engineering projects.



Award Winning Dodridge Street Bridge



CUY-480-18.42



Ridge Avenue

BENEFITS OF OUR SERVICES

New Design

- Type, Size, Location and Cost Studies
- Conceptual Design of Bridges
- Final Design and Plans
- Hydraulic & Scour Studies
- Geotechnical Design

Inspection/Evaluation and Rehabilitation

- Condition Inspection & Evaluation Reports (PONTIS, NBI)
- Load Ratings including Finite Element

Modeling of Bridges

- Structural Rehabilitation
- Bridge Testing

Related Services

- Shop Drawing Review
- Contractor Technical Assistance
- Construction Inspection
- Design/Build Projects
- Bridge Design Software Development
- Value Engineering



Our expert structures team employs advanced design software equipped with automated processes for conducting finite element analysis, non-linear geometric and material analysis, and time-dependent creep and shrinkage analysis.