

Bridge Engineering Checklist

- ☐ Client Intake Checklist
- ☐ Retrieve stream data from lat/long coordinates
- ☐ Initial Site Review and Rough Budget
- ☐ National Environmental Policy Act (NEPA) Study
- ☐ Topographical Survey
- ☐ Right-of-Way Survey and Permitting
- ☐ Hydrology and Hydraulics
- ☐ Geotechnical Investigation
- ☐ Scour Analysis
- ☐ Bridge Location and Elevation
- ☐ Bridge Superstructure Analysis & Design
- ☐ Bridge Design Load Rating
- ☐ Bridge Superstructure Shop Drawings
- ☐ Bridge Substructure Analysis & Design
- ☐ Civil Design Plans and Technical Specifications
- ☐ Stream Restoration Analysis/Design
- ☐ Engineer's Itemized Cost Estimate
- ☐ USACE Construction Permitting
- ☐ Critical Habitat Evaluation and Permitting
- ☐ Construction Documents
- ☐ Contract Bid Documents
- ☐ Pre-Bid Site Meeting
- ☐ Contractor Q&A Responses
- ☐ Construction Contract Administration
- ☐ Construction Control Observation
- ☐ Clerk-of-Works / Construction Management