



# BRIDGE

SERVICES

# EXPERIENCE THE MATTERN & CRAIG DIFFERENCE

Mattern & Craig distinguishes itself in the marketplace by delivering on three important commitments to its clients...

## OUR COMMITMENT TO YOU:

- We will deliver personal attention, professional insight, and responsiveness unmatched by any engineering firm in our markets.
- A senior, hands-on engineer will serve as the project manager on every project, providing on-the-job project expertise, problem solving and accountability.
- Safety, efficiency, and the improvement of pedestrian/vehicular transportation are our most important priorities on any project.

*The design of bridges, streets, and highways is one of the core services provided by Mattern & Craig. Approximately 90 percent of our transportation services are provided to repeat clients, including local governments and State Departments of Transportation throughout Virginia, Tennessee, and North Carolina.*



## BRIDGE SERVICES

Mattern & Craig is your source for comprehensive bridge services involving design, rehabilitation, and inspection of a variety of vehicular and pedestrian structures.

Mattern & Craig specializes in bridge design, rehabilitation, and inspection projects, having performed these for our clients since 1985. Our bridge team is comprised of qualified and experienced structural engineering professionals and certified inspectors. Our vehicular and pedestrian bridge expertise is further augmented by our in-house transportation services.

### DESIGN / REPAIR / REHABILITATION / REPLACEMENT

- New bridge design of varying sizes and complexities
- Pedestrian / vehicular bridges
- Bridge foundation design
- Signature bridge design
- Bridge widening / repair
- In-depth concrete investigations
- Studies
- Bridge replacements
- Bridge rehabilitation/repairs
- Load rating
- Cost estimating
- Design of shoring and jacking systems
- Specification preparation
- Bidding assistance
- Construction monitoring/inspection
- Bridge aesthetics
- Bridge lighting
- Bridge approach and trail design

### INSPECTIONS

- Bridge and ancillary structure safety inspections per DOT standards
- Key personnel are familiar with & trained in the requirements of the National Bridge Inspection Standards (NBIS), AASHTO Standards, and DOT Bridge Design Criteria and Specifications
- Fracture critical and fatigue prone structure inspections
- Rope - access and climbing techniques limiting need for traffic control



# BRIDGE SERVICES





**Mattern & Craig**  
ENGINEERS • SURVEYORS

**Engineering solutions for change and growth.**



## Regional Knowledge + Engineering Expertise = Project Success

As a regional engineering firm, we provide clients with a powerful combination for project success - 1) first-hand knowledge of the project area and the priorities and concerns of its citizenry; and, 2) depth and breadth of transportation engineering expertise.

We focus on three aspects of transportation engineering:

- Planning & Studies
- Design & Engineering
- Construction Engineering Inspection



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