

BRYAN L. BUSCH, P.E.

DIRECTOR OF STRUCTURAL ENGINEERING

GENERAL QUALIFICATIONS

Bryan Busch is a Civil Engineer with over 13 years of specialization in structural engineering. His areas of expertise include inspection and structural analysis of buildings, dams and spillways, bridges, retaining walls, and railroad structures. He has performed structural rating for highway bridges throughout New England and the Midwest. Prior to joining CME, Mr. Busch worked at the Connecticut Department of Transportation for over three years.

Bridge Design & Repairs:

Mr. Busch manages all Connecticut D.O.T. and Massachusetts Highway Department contracts at CME. These projects include culvert replacements, medium span bridge replacements and long span bridge designs. He is familiar with each state's procedures and policies, and all designs use both AASHTO LRFD and AASHTO Standard Specification Codes. He has performed emergency repairs for Massachusetts bridges with structural deficiencies and deterioration. Designs included bolted splices of deteriorated areas on steel bridges

Super Load Permit Ratings

Mr. Busch has managed super load permit bridge ratings throughout New England with loads ranging from 400,000 pounds to over 1,000,000 pounds. His work involves route analysis, layout design of the trailers, and load rating of bridges and culverts. Each analysis was carried out according to each State's procedures and policies.

Building Frames, Foundations, Seismic Analysis

Mr. Busch has worked on several building projects performing forensic investigations, structural analysis, and design of steel framing. He is thoroughly familiar with Massachusetts' procurement laws relating to vertical and horizontal construction.

EXPERTISE:

Bridge Design

- Prestressed Concrete
- Steel Bridges
- Railroad Bridges
- Foundation Design
- Retaining Walls
- Sign Supports

Bridge Inspection & Rating

- Steel Bridges
- Concrete Bridges
- Prestressed Concrete
- Rail Bridges

Building Design

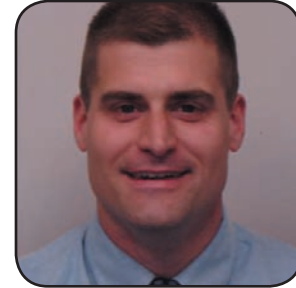
- Structural Design
- Foundation Design

Construction Management

- Buildings
- Bridges

Heavy Construction

- Superload Permit Rating
- Superload Analysis



REGISTRATION

Licensed Professional Engineer
CT, MA, NJ, NY, RI

EDUCATION

B.S., Civil Engineering, 1993
University of Connecticut

M.S., Structural Engineering, 1998
University of Connecticut

FHWA 80-Hour Bridge
Inspection Course
U.S. Department of Transportation

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

American Institute of Steel Construction

