

ENGINEER: CIVIL/STRUCTURAL

EDWARD M. DEEGAN, JR., M.S., P.E.

Engineering Design & Testing Corp.

Post Office Box 1233

Cherry Hill, New Jersey 08034

Telephone: (856) 662-0070

emdeegan@edtengineers.com

EDUCATION:

2009 Master of Science, Civil Engineering
Drexel University, Philadelphia, Pennsylvania

2002 Bachelor of Science, Civil Engineering
Northeastern University, Boston, Massachusetts

EXPERIENCE:

May 2009 **Engineering Design & Testing Corp.**
to Present **Cherry Hill, New Jersey**

Consulting Engineer. Analyze residential, commercial and industrial buildings and other structures including roofs, foundations, interior and exterior finishes, building envelope, storm-related damage and construction defects. Other services include repair/replacement analysis and cost estimation, building code compliance evaluation and structural modification design review.

August 2007 **CMX, Inc.**
to May 2009 **Voorhees, New Jersey**

Project Engineer. Provided civil engineering services for wireless telecommunication sites including the evaluation of existing structures and the design of structural modifications in compliance with the International Building Code and other applicable codes. Structures included monopoles, self-support towers, guyed towers, utility structures, water towers and buildings. Provided expert testimony for wireless telecommunication site applications at municipal zoning hearings.

July 2002
to August 2007

Cornell & Co., Inc.
Woodbury, New Jersey

Project Engineer. Designed engineered solutions for temporary support structures and erection crane installations related to building and bridge erection and rehabilitation. Equipment included tower cranes, truck cranes, crawler cranes and derricks. Projects included widening of highway bridges, girder bearing replacements, elevated subway bridge reconstruction, building rehabilitation and new construction. Field monitoring for compliance with temporary support and erection specifications. Structural analysis of stresses due to hoisting, jacking and loads induced by cranes and derricks. Bridge girder stability evaluation during steel erection operations. Rigging and erection crane schemes for critical lifts. Erection crane layouts for efficient field production.

January 2002
to April 2002

Natgun Corp.
Wakefield, Massachusetts

Co-op Engineer. Construction management services for pre-stressed concrete water storage tanks, including coordinating requests for quotes and preparation of site layout drawings of construction operations.

March 2001
to June 2001

Weidlinger Associates, Inc.
Cambridge, Massachusetts

Engineer-in-Training. Bridge rating calculations and reports for local and state authorities. Field visits for bridge rating projects and other project proposals.

June 2000
to January 2001

S&F Concrete Contractors, Inc.
Boston, Massachusetts

Field Engineer. Engineering and management support during the construction of three reinforced concrete high rise office, hotel and residential buildings in downtown Boston including establishing building control lines with electronic survey equipment and accurately measuring, calculating and ordering concrete.

September 2011

January 2000
to March 2000

**Kiewit/Atkinson/Cashman, A Joint Venture
Boston, Massachusetts**

Co-op Engineer. Contributed to construction operations and on-site safety for Central Artery/Tunnel Project including formwork design for concrete bridge deck, field monitoring of ground water levels, and mass concrete differential temperature analysis for quality control.

January 1999
to June 1999

**HDR Engineering, Inc.
Boston, Massachusetts**

Engineering Aide. Provided construction phase services for Central Artery/Tunnel Project (Big Dig) including conflict resolution, submittal review and contract drawing revisions. Drafting and computer programming for New York Interstate-287 bridge rehabilitation.

June 1998
to September 1998

**Cornell & Co., Inc.
Woodbury, New Jersey**

CAD Operator. Crane layout plans for steel and precast concrete erection operations. Calculations for critical lifts and temporary support design.

CONTINUING EDUCATION:

Confined Spaces Training

National Safety Council, September 16, 2009, Charlotte, North Carolina

Design & Renovation of Wood Structures

American Society of Civil Engineers, August 6-7, 2009, Philadelphia, Pennsylvania

National Advanced Fire Arson and Explosion Investigation Training Program

National Association of Fire Investigators, August 3-5, 2009, Sarasota, Florida

Structural Condition Assessment of Existing Structures

American Society of Civil Engineers, June 25-26, 2009, St. Louis, Missouri

Steel Design After College

American Institute of Steel Construction, November 3, 2005, Philadelphia, Pennsylvania

OSHA 30 Hour Training Course - Construction Safety & Health

Cornell & Co., Inc. Safety Department, 2003, Woodbury, New Jersey

PROFESSIONAL ORGANIZATIONS:

American Society of Civil Engineers (ASCE)
Technical Council on Forensic Engineering (TCFE)
Delaware Valley Association of Structural Engineers (DVASE)
International Code Council (ICC)
National Roofing Contractors Association (NRCA)
National Association of Fire Investigators (NAFI)

REGISTRATIONS:

Registered Professional Engineer in Pennsylvania (#PE074225)
Registered Professional Engineer in New Jersey (#24GE04713800)
Registered Professional Engineer in Delaware (#16493)
Registered Professional Engineer in Maryland (#36855)
Registered Professional Engineer in District of Columbia (#PE905202)
Registered Professional Engineer in Virginia (#45955)
Registered Professional Engineer in West Virginia (#18734)
Registered Professional Engineer in Kentucky (#26315)
Registered Professional Engineer in Arizona (#48045)
Registered Professional Engineer in Nevada (#19379)
Registered Professional Engineer in New York (#088683)
Registered Professional Engineer in Connecticut (#28208)
National Council of Examiners for Engineering and Surveying (NCEES) (Record #35213)

PUBLICATION:

“Spare Part Storage Optimization Onboard Deployable Military Support Assests,” Naval Engineers Journal, Vol. 122, No. 1, 2010, pg. 137, with J. A. Goshorn and B. E. Layton.