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## PROFESSIONAL PROFILE

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Mr. Goldenberg has 40 years of diversified experience in structural engineering and currently serves as Chief Structural Engineer for Chappell Engineering Associates. He is in responsible charge of structural design and evaluations for new and rehabilitation of buildings and bridges. Responsibilities include project management, supervision of engineering personnel; client, agency and subconsultant coordination; presentation at public hearings and review meetings and construction site inspection.

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## REPRESENTATIVE PROJECT EXPERIENCE

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**I-95/Dedham Street Interchange, Canton, MA.** *Chief Structural Engineer.* Preliminary design studies and final design for bridge modifications and construction of two retaining walls in conjunction with the proposed Westwood Station mixed use development. Client: Traffic Solutions, LLC

**Bailey Lane Bridge, Georgetown, MA.** *Chief Structural Engineer.* Preparation of alternatives, preliminary design and final design for a new bridge over the Parker River. Client: Town of Georgetown

**Exchange Street Bridge, Athol, MA.** *Chief Structural Engineer.* Preliminary, final design, environmental permitting and construction inspection for the rehabilitation and painting of a 110 foot span through truss bridge over the Millers River. Client: Town of Athol

**Massachusetts Institute of Technology, Cambridge, MA.** *Chief Structural Engineer.* Structural analysis and design for various improvement projects. Client: Massachusetts Institute of Technology

**ETG Technologies, Hopkinton, MA.** *Chief Structural Engineer.* Ongoing structural design for rock crushing and concrete facilities throughout the United States. Completed projects included structural steel towers for heavy equipment and conveyors. Design also included foundations for tower structures, heavy equipment and buildings. Client: ETG/Engineering Technologies Group, Inc.

**Draper Labs, Cambridge, MA.** *Chief Structural Engineer.* Design of structural connections for 100 foot vent stack. Client: J.F. White Contracting Co.

**White Pond Culvert, Athol, MA.** *Chief Structural Engineer.* Preliminary and final design for culvert replacement. Client: Town of Athol

**Holliston Upper Charles Trail, Phase 1 Design, Holliston, MA.** *Project Structural Engineer* for "rails to trails" facility which includes the rehabilitation of a stone arch railroad bridge and three modified culvert crossings. Client: Town of Holliston

**Franklin County Bikeway Phase 1B, 3A and 3B - Greenfield, Montague, Deerfield MA.** *Project Structural Engineer* for three pedestrian/bikeway bridges. Scope included two railroad bridge conversions which include a four-span structure at the confluence of the Connecticut and Deerfield Rivers and a new 150-ft pedestrian/bicycle bridge over the Green River. Client: Franklin Regional Council of Governments

**Wireless Telecommunications Installations, Various Locations, NE.** *Project Structural Engineer.* Review and supervision of structural design for rooftop platforms, tunnel installations, towers and various "stealth" installations. Clients: Nextel, T-Mobile, Verizon, Sprint and Cingular

**Self-Storage Facility, Haverhill, MA.** *Project Manager.* Structural design of 70,000 s.f. three story building consisting of masonry walls and structural steel frame. Client: Private Developer

**Massachusetts Institute of Technology, Cambridge, MA.** *Project Structural Engineer.* Structural repairs, modifications, strengthening and evaluations for Buildings #4 &15 and NW-21 for the facilities department. Client: Massachusetts Institute of Technology

**Harvard University Development Office, Cambridge, MA.** *Project Structural Engineer.* Structural repairs and modifications for several building projects. Client: Brinner-Cott Architects

**Long Island Bridge Rehabilitation, Boston, MA.** *Chief Structural Engineer/Project Manager* for the ongoing rehabilitation program for the Long Island Bridge, a 15 span, 3500 foot long structure between Quincy and Long Island in Boston Harbor. Services included bridge inspection, development of capital programming recommendations, preparation of construction packages for the various phases and construction inspection. Client: Boston Public Facilities Department

**Route 146, McKeon Road Interchange (Hurley Square), Worcester, MA.** *Chief Structural Engineer/Project Manager* for three new highway bridges, one new architecturally detailed through truss 140 foot span pedestrian bridge associated with the Route 146 relocation project in Worcester. Client: MassHighway Department

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**Footprint Bridges, Various Locations, MA.** *Chief Structural Engineer* for the design of eight new and rehabilitated bridges under open-end contracts, including the rehabilitation of the Route 53 Bridge over the North River in Hanover-Pembroke. A concrete spandrel arch, this design was winner of the American Concrete Institute (ACI) rehabilitation/reconstruction award. Client: MassHighway Department

**Evergreen Condominiums, Weymouth, MA.** *Project Engineer.* Structural design and construction phase service for a six-story masonry wall, prestressed concrete plank floor building. Client: Private Developer

**Fox Plaza, Weymouth, MA.** *Project Manager.* Structural re-design and construction phase services for 25,000 sq ft strip mall consisting of steel/wood frame and masonry walls. Client: Private Developer

**Hingham Commerce Center, Building B, Hingham, MA.** *Project Manager.* Structural and architectural design and construction inspection of a 75,000 sq ft office building into a regional parcel distribution center. Client: Bowdoin Construction

**Bridge Deck Replacements, Massachusetts Turnpike.** *Project Manager* for the replacement of ten bridge decks. Client: Massachusetts Turnpike Authority

**Bridge Overview Program, Boston, MA.** *Project Manager.* Scope included inspections, establishment of scopes and cost estimates for Boston's bridge rehabilitation program. Client: Boston Public Works Department

**Central Artery North Area Interface, Contract #D019A, Charlestown/Cambridge, MA.** *Project Structural Engineer* for the tie in of the temporary double deck I-93/Route 1 Loop Ramps to the existing I-93 structure in Charlestown/Cambridge. This project was the winner of the ACEC New England Engineering Excellence Award. Client: MassHighway Department

**Andrew Station, South Boston, MA.** *Project Manager.* Rehabilitation/replacement of the MBTA Andrew Station. Client: Massachusetts Bay Transportation Authority

**Floodlight Pole Structural Inspection, Boston, MA.** *Project Manager.* Structural inspection, evaluation, design and preparation of construction documents for repair of more than 300 floodlight poles ranging in size from 60 ft to 120 ft in height. Inspection included measuring metal thickness using an ultrasonic gauge in order to determine loss of section for all flood light poles owned by City of Boston Parks and Recreation Department. In addition, the poles were checked for lead paint. Contract documents included drawings and specifications for both structural repairs and lead paint removal. Provided construction phase services. Client: Parks and Recreation Department

**99 Granite Street Office Building, Quincy, MA.** *Project Manager.* Structural inspection of this unfinished office building for the bank to establish what work had to be completed to make the structure safe while the building's ownership was being decided. Client: Private Developer

**Traffic Signal Foundations, Boston, MA.** *Project Manager.* Project included inspection and assessment of several areaways in the City of Boston. The foundations were installed in the areaways with necessary alterations. Client: City of Boston

**Salt and Sand Storage Buildings, Logan Airport, Boston, MA.** Project Manager. Structural and civil design and construction phase services for two masonry walls with prestressed concrete plank roof buildings supported on pressure injected piles. Client: Metropolitan District Commission

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## EDUCATION

MS/1984/Civil Engineering/Northeastern University, Boston, MA

BS/MS/1972/Structural and Construction Engineering/Civil Engineering Institute, Kubyshev, Russia

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## REGISTRATION

1982/Professional Structural Engineer/MA

1995/Professional Structural Engineer/ME

1987/Professional Structural Engineer/CT

1987/Professional Structural Engineer/NH

1988/Professional Structural Engineer/PA

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## PROFESSIONAL AFFILIATION

National Society of Professional Engineers, Massachusetts Society of Professional Engineers, American Society of Civil Engineers, Boston Society of Civil Engineers, American Concrete Institute, American Institute of Steel Construction