
PROFESSIONAL PROFILE

Mr. Chappell has an extensive and varied background with over twenty five years of experience as an administrator, project manager and designer on multi-disciplined design projects including site developments, urban streets, highways, traffic signals, bridges and design-build.

REPRESENTATIVE PROJECT EXPERIENCE

Paul Revere Way, Concord, MA. *Project Manager* for preliminary and final site plans for a 6 acre, 24 unit residential condominium development. Design included environmental permitting and stormwater management utilizing underground recharge systems. Client: Tocio Development Corp.

I-95/Dedham Street Interchange, Canton, MA. *Project Manager.* Preliminary design for upgrades to the I-95/Dedham Street interchange in conjunction with the proposed Westwood Station mixed use development. Scope includes new northbound off ramp from I-95, widening of the southbound ramp to I-95, bridge modifications, retaining walls and stormwater management. Client: Traffic Solutions, LLC

Texaco/Dunkin Donuts, Natick, MA. *Project Manager* for survey and construction drawings for a service station/convenience store/Dunkin Donuts drive thru facility on Route 9 including lighting, landscaping, site circulation and permitting for access to state highway. Client: ViewPoint Engineering, Inc.

Route 68 Reconstruction, Rutland, MA. *Project Manager.* Specifications and contract documents for 6 mile roadway resurfacing and drainage improvement project. Client: Town of Rutland

Route 32 Rehabilitation, Royalston, MA. *Project Manager.* Specifications and contract documents for 5 mile roadway resurfacing and drainage improvement project. Client: Town of Royalston

The Marketplace at Chestnut Ridge, Franklin, MA. *Principal-In-Charge* for development of final site plans, traffic plans and permitting for a nine acre commercial site with 100,000 s.f. of office and retail space. Includes 415 car parking lot; access road; stormwater management; utilities; lighting; landscaping and retaining walls; wetland and blasting permits and wetland replication. Client: Gracewood Development Corp.

Falmouth High School Renovation and Expansion, Falmouth, MA. *Project Manager.* Construction support services include peer review of site and stormwater design and advice during construction. Client: DiNisco Design Partnership

Bailey Lane Bridge, Georgetown, MA. *Project Manager.* Survey, hydrological studies, wetlands delineation, environmental permitting and final design for a new bridge over the Parker River. Client: Town of Georgetown

Exchange Street Bridge, Athol, MA. *Project Manager.* 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

Route 146, McKeon Road Interchange (Hurley Square), Worcester, MA. *Principal-In-Charge* for a \$44 million section of Route 146 replacing a series of at grade intersections with a modified diamond interchange. Elements include three highway bridges, one architecturally detailed through truss pedestrian bridge, closed loop traffic signal system and 3000 linear feet of new four lane limited access highway. Client: MassHighway Department

Beacon Street Condominiums, Newton, MA. *Project Manager* for preliminary and final site plans for a 7 unit residential condominium development. Design includes environmental permitting, sanitary sewer extension and stormwater management utilizing underground recharge systems. Client: Tocio Development Corp.

Wireless Telecommunications Facilities Various Locations, MA. *Principal-In-Charge/Engineer of Record* for site design of over 200 wireless communication facilities. Services include survey, zoning, site design, access roads, wetlands permitting, electrical design, utilities and structural analysis for raw land (monopole), rooftop and "stealth" wireless telecommunications facilities. Clients: Metro PCS, Nextel, T-Mobile, Verizon, Sprint and Cingular

Long Island Bridge Rehabilitation, Boston, MA. *Project Director.* Long Island Bridge is a 3,450 foot, 16 span deck truss which spans over Boston Harbor from Moon Island to Long Island. Work included an extensive inspection of portions of the deck system and supporting members, abutments, and underwater inspection of the piers. A report for the rehabilitation of this bridge was developed and subsequently, final design, plans, specifications and construction cost estimates were prepared for the rehabilitation and painting of the deck and supporting members. Construction inspection services were also provided. The total construction cost is \$35 million. Client: Boston Public Facilities Department

Canal Street Bridge and Pedestrian Overlook, Lawrence, MA. *Project Manager* for the \$12 million reconstruction of Canal Street and the realignment and signalization of the Canal/Marston/Prospect Street intersection. The purpose of the project is to provide a “gateway” to the City with ornamental lighting and streetscape treatments designed to be compatible with the North Canal Historic District. The design also included demolition of the Oxford Mills complex and the replacement of the Canal Street Bridge over the Spicket River with a 120-ft span open-spandrel steel deck arch bridge; the only bridge of this type designed in Massachusetts in recent years. Client: City of Lawrence

Freeport Power Plant Unit #2, Freeport, NY. *Principal-In-Charge* for the design of a 50 megawatt gas turbine power plant. This \$50 million design – build project was completed on an aggressive one year schedule. Responsibilities included staffing, scheduling, weekly progress meetings and ongoing coordination with the contractor. Client: Village of Freeport

United States Post Office, Northborough, MA. *Project Director* for survey, site design, building layout, stormwater management and utilities for post office site on Route 20 in Northborough. Client: United States Post Office

Route 140 Improvements, Franklin, MA. *Project Manager.* Final design and permitting for roadway and intersection improvements in two locations on Route 140. Client: Gracewood Development Corp.

Commonwealth Avenue, Newton, MA. *Project Manager.* Responsible for design and preparation of contract documents for the reconstruction of two miles of Commonwealth Avenue. Commonwealth Avenue, one of the oldest roadways in the United States, consists of a two lane arterial with a one way frontage road, separated by a broad reservation. Extensive landscape treatments, site furnishings and period lighting were added to the reservation to create a linear park. The roadway reconstruction required geometric improvements and traffic signal upgrades at five intersections. Construction cost is \$6 million. Client: City of Newton

The Central Artery/Tunnel Project: I-93 Viaduct and Ramps North of the Charles River, Contract #D019B, Boston, MA. *Joint Venture Management Committee* overseeing the \$300 million dollar design and construction phase services contract to complete the Final Design of the northernmost section of the Central Artery Tunnel (CA/T) project in Boston, I-93 North of the Charles River. This project consists of almost 1,000,000 square feet of single and double decked viaduct being progressed as alternate designs of steel trapezoidal box and segmental concrete superstructures. Client: Massachusetts Turnpike Authority

Central Artery North Area Interface, Contract #D019A, Charleston/Cambridge, MA. *Chief Civil Engineer* for this \$25-million interchange design project, winner of the ACEC New England Engineering Excellence Award. Responsibilities included supervision of the design of the highway geometry, drainage, utility identification and relocation, maintenance and protection of traffic (MPT) and signing/markings portions of the project. Duties also included preparation the project specifications and coordination with the affected utilities and railroad companies. Client: MassHighway Department

Massachusetts Avenue Reconstruction, Boston, MA. *Project Manager* for the \$14-million reconstruction of 1.6 miles of Massachusetts Avenue from Melnea Cass Boulevard to the Charles River. This project includes roadway reconstruction, 18 signalized intersections, vault/areaway elimination, utility relocations, lighting, urban design and extensive community participation for this major arterial in the City of Boston. Client: Boston Department of Public Works

EDUCATION

BS/1981/Civil Engineering/Tufts University, Medford, MA
Graduate Studies/Structural Engineering/University of Massachusetts, Lowell, MA

REGISTRATION

1989/Professional Civil Engineer/MA

PROFESSIONAL AFFILIATION

American Society of Civil Engineers, Boston Society of Civil Engineers, ASCE Transportation and Development Institute