
PROFESSIONAL PROFILE

Mr. Bruno has over 40 years of diversified experience in civil engineering and survey and currently serves as Chief Civil Engineer/Surveyor for Chappell Engineering Associates. He is in responsible charge of civil engineering, transportation and planning projects, as well as hydrological/hydraulic design, environmental permitting, the production of site surveys, right-of-way (ROW), subdivisions and site plans. Projects under his responsible charge have ranged from preparation of study reports for small private developments to the preparation of final construction plans and contract documents for major site developments and public works projects.

REPRESENTATIVE PROJECT EXPERIENCE

Route 146 & McKeon Road Interchange, Hurley Square Area, Worcester, MA. *Project Manager* for a \$44 million section of Route 146. 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

Paul Revere Way, Concord, MA. *Project Engineer* 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.

Condominium Development, Biddeford, ME. *Project Manager* for survey, wetlands permitting and site design for a 6 acre 12 unit development adjacent to the Saco River. Client: Grew Design, Inc.

Chestnut Ridge Condominiums, Franklin, MA. *Project Manager.* Site, roadway layout, stormwater management, utility easement and building certification plans for 58 acre, 133 unit condominium development. Client: Montopoli Construction Corp.

Central Artery/Tunnel Project, I-93/I-90 Interchange, Section 9C, Boston, MA. *Lead Project Engineer.* Responsible for development of right-of-way documents for a \$400 million interchange project. Client: MassHighway Department

Reconstruction of I-95, Cranston, RI. *Project Manager* for all aspects of design and coordination with public and private agencies. This project involved the design and reconstruction of a 120-in. storm drain and sub-drain system and also the design of pavement and roadway foundations that would correct chronic migration of fines through the subbase, resulting in permanent failures. The project also involved survey, nondestructive testing program, geotechnical investigation program, drainage and sub-drain evaluation, ground water monitoring program, drainage design, pavement design, construction staging, construction plan documents and special provisions. Client: Rhode Island Department of Transportation

Reconstruction of Main Street, Route 114, Middleton, MA. *Project Manager.* Reconstruction of Main Street, Route 114 through and including Middleton Square. Design included survey, hydrologic and hydraulic design of the Ipswich River culvert crossing, major streetscape improvements, community meetings, public hearings, and Traffic Signal Interconnect System with Opticom through Middleton Square and other major intersections. Also responsible for design documents to widen and rebuild 1.5-miles of Route 62, from Ipswich River to Danvers town line. Client: Town of Middleton

The Marketplace at Chestnut Ridge, Franklin, MA. *Project Manager.* Development of Environmental Impact Statement (E.I.S.), 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.

Southeast Expressway (I-93), East Milton Square, Milton, MA. *Project Manager* for \$12-million decking over the Southeast Expressway. Responsibilities included survey, right-of-way (air rights), highway design, lighting, utilities, landscaping, urban design, traffic signals, construction staging. Also responsible for public participation and coordination with reviewing agencies and entities. Client: MassHighway Department

Franklin Street, Stoneham, MA. *Project Director.* Responsible for design and preparation of contract documents for the reconstruction of Franklin Street. Work on this project includes full-depth roadway reconstruction, improvements to horizontal and vertical alignments, revised drainage and two new traffic signal installations. Client: Town of Stoneham

Eliot Hills Estates, South Natick, MA. *Project Manager.* Subdivision with nine single family homes. Project included survey, grading, road layout, wetland permitting, land court and utility easement plans, plot plans and building certification plans. Client: Montopoli Construction Corp.

Bull Run Estates, Naples, ME. *Project Manager.* 11 unit condominium development including survey, site plan, DEP permitting and stormwater management design. Client: LFB Civil Engineering Consultant

Oak Street Assembly Hall, Natick, MA. *Project Manager.* Site development for 2500 seat auditorium with 500 car parking lot. Project included construction layout, building foundations, steel frame layout, auditorium grading and layout, stormwater management and utilities. Client: Watch Tower Corporation of Jehovah Witnesses

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

Residential Subdivision, Sebago, ME. *Project Manager.* Twenty acre site design to reduce erosion resulting from storm runoff and steep grades. Development of site plans included survey, stormwater management, grading, and Best Management Practices (BMP's) to efficiently collect and distribute runoff. Client: Farnworth

Cluster Development, Route 140, Bellingham, MA. *Project Manager.* Forty acre cluster development required survey, culvert design, stormwater management, access roadways, utilities, septic system design and building foundation locations. Client: Forge Planners and Developers

Residential Subdivision, Wenham, MA. *Principal.* Survey, stormwater management, culvert design, site grading and building foundation locations for 12 acre subdivision. Client: Forge Planners and Developers

Texaco/Dunkin Donuts, Natick, MA. *Project Engineer* 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.

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

Cliff Estates Subdivision, Wellesley, MA. *Principal.* Survey, utilities, building permits and construction engineering for residential subdivision. Client: Epifano Builders

Route 129 Reconstruction, I-93 Wilmington to I-95 Wakefield, Reading, MA. *Project Manager.* Responsible for development of contract documents for reconstruction of 2.7 miles of roadway. This project includes the design of a new typical section with sidewalks, new pavement, drainage, walls and two major traffic signal intersections. Client: Town of Reading

Route 109, Westwood, MA. *Project Director* for the design of the reconstruction of approximately two miles of Route 109 between Hartford Street and Grove Street including six signalized intersections. Client: Town of Westwood

Eastern Avenue, Malden, MA. *Project Manager.* Responsible for the development of contract documents for reconstruction of 1.6 miles of roadway. This project included design of a roadway section that would replace an existing concrete bed with minimal impact to adjacent sidewalks and properties, and was completed on an accelerated four-month schedule. Client: Massachusetts Water Resource Authority

Main Road, Gill, MA. *Project Manager* for the reconstruction of approximately 2.5 miles of Main Road in the Town of Gill from the vicinity of Wood Avenue to the Northfield Town line. Work includes horizontal and vertical realignment, full depth reconstruction and replacement of four box culverts as well as a new roadway drainage system. Client: Town of Gill

Route 68 Reconstruction, Rutland, MA. *Project Engineer.* Pavement design and stormwater management for 6 mile roadway resurfacing and drainage improvement project. Client: Town of Rutland

EDUCATION

AS/1963/Civil - Structural Engineering/Northeastern University, Boston, MA

REGISTRATION

1973/Professional Land Surveyor/MA

1982/Professional Civil Engineer/MA

1997/Professional Civil Engineer/ME

1997/Professional Civil Engineer/NH