



CARLOS G. PEÑA, P.E.

Vice President

PROFESSIONAL REGISTRATION

Registered Professional Engineer
Commonwealth of Massachusetts, License # 36206
State of Louisiana, License # 32366
State of New York, License # 84211
State of Texas, License # 108273
Certified PADI Open Water Diver – 2001
Certified SSI Advanced Open Water Diver - 2014

EDUCATION

Bachelor of Science in Civil Engineering
University of Massachusetts at Amherst

Continuing Education / Business & Japanese,
Northeastern University

AREA OF SPECIALIZATION

Surety Completion and Consulting
Municipal and Infrastructure
Marine and Dredging
Residential and Commercial
Site Investigations, Estimating and Scheduling
Construction Claims and Expert Testimony

PROFESSIONAL AFFILIATIONS

PIANC EnviCom Working Group 150 (Sustainable Ports)

- U.S. Representative – U.S. Subcommittee
American Society of Civil Engineers
- Member – COPRI Ports Committee
Timber Structures Committee

Massachusetts Coastal Hazard Commission

- Member – 20 Year Infrastructure Sub-Committee

Town of Marshfield

- Member – Advisory Board
- Member – Marshfield School Building Committee
- Member – Ventress Building Committee
- Past-Member – Personnel Board
- Ex-Officio Member – Waterways Committee
- Past-Chairman of the Board of Public Works
- Past-Chair - DPW 2002 Selection Review Group

Boston Society of Civil Engineers

- Chairman – Past Presidents Committee
- Past-Chairman – Nominating Committee
- Past-President – Board of Government

- Past-Chairman – Waterways, Ports, Coastal & Ocean Group

The Engineering Center (TEC)

- BSCES Representative – TEC Board of Directors
- Past-Member – TEC/TECET Nominating Committee

Boston Foundation for Architecture (BFA)

- Past-Member – Nominating Committee

Western Dredging Association

Surety Claims Institute (*Past-Member*)

American Bar Association (*Past-Associate*)

- Fidelity & Surety Claims Section

RESPONSIBILITIES:

Mr. Peña has over thirty years of experience with construction projects as a consulting engineer, an elected official, a professional society leader, a construction engineer, and a project manager. He is Vice President of **CLE Engineering, Inc.**, and is engaged in the creation of business opportunities and maintaining client relations. He oversees updates to quality control procedures, standardization of design and procedures, and professional standards. Mr. Peña specializes in site investigations, cost estimates and schedules, project management and administration, construction claims and expert testimony, environmental permitting, civil engineering, and management of municipal, marine construction and dredging projects.

PROFESSIONAL EXPERIENCE:

Mr. Peña has developed his career as a consultant through the unique perspective of the owner, engineer, and contractor. He has found success in the consulting business by understanding the relationships between the owner, engineer, and contractor and possesses the ability to assess projects and complete work in the client's best interest. Garnered experience in many facets of the construction business stem from a variety of assignments in private firms, municipal government, and professional organizations.

Mr. Peña began his career as a Field Engineer and Dredge Superintendent for a marine construction and dredging company. He worked as a field engineer, surveyor, estimator, project manager and hydrographic surveyor for dredging and marine construction projects throughout United States. Later as an Engineering Manager and Vice President for a civil engineering and surveying company Mr. Peña was responsible for project management, civil engineering design, preparation of plans and specifications, cost estimates, preparation of reports, submittals, quality control procedures, and standardization of design and procedures. Following election to a 3-year term as Commissioner of Public Works, he was responsible for its operation, capital improvement projects, maintenance of relations within town government, and making presentations at Town Meetings and other occasions. Specific duties included management of 87 employees within 5 divisions, overseeing a \$10 million annual budget, and establishing sewer, water, and trash removal rates. As an appointed Advisory Board member, Mr. Peña oversees the Town of Marshfield's School, Fire, and ZBA budgets and participates in the annual and fall Town Meetings. As Past-President for the BSCES Boards of Government, Mr. Peña participated in managing the professional society and representing civil

engineers throughout New England. As a TEC/TECET Board member, Mr. Peña participates in the managing of The Engineering Center and The Engineering Center Education Trust. Recent appointments to the Coastal Hazards Commission and the Marshfield Waterways Committee continue a life-long commitment to public service.

Career highlights include contributions to the Boston's CA/T "Big Dig" and MWRA "Boston Harbor Cleanup" projects, Port of Miami and Bath Iron Works expansion projects and numerous Army Corps of Engineers and Department of Conservation and Recreation (DCR-Waterways) projects.

PROJECT RELATED EXPERIENCE:

Mr. Peña has been professionally involved in over 250 projects, including:

Surety Completion and Consulting Projects: *Responsibilities included project and construction management, the preparation of reports and costs estimates.*

- Guilford Harbor Dredging (ACOE), Guilford, CT
- Floating Dock Project (UConn), Groton, CT
- USCG Station Dredging (USCG), Scituate, MA
- Royal River Dredging (ACOE), South Yarmouth, ME
- Lock & Dam 52 & 53 Replacement (ACOE), Olmsted, IL
- Port of Miami Port Expansion Project-Phase II, Miami, FL

Expert Witness Services: *Services included research, file review, inspections, engineering analysis, depositions and testimony.*

- Wauwinet Inn, Nantucket, MA
- Bath Iron Works, Bath, ME
- Mill Pond Dredging, Littleton, MA
- Municipal Marina Dredging, New Rochelle, NY
- Marina Dredging, Jones Inlet, NY
- Mass. Fabricating Bulkhead, New Bedford, MA
- World's End Culvert, Hingham, MA
- Humarock Beach Coastal Dune, Scituate, MA
- Racing Beach Seawall Easement, Falmouth, MA
- Racing Beach Seawall Permits, Falmouth, MA
- Michigan Car Ferry Breakwater, Ludington, MI
- South River Moorings & Docks, Humarock, MA
- Cove Road Boat Ramp, Orleans, MA
- Lake Winnepesaukee Residence, Meredith, NH
- Port of Newark-Berth 36, Newark, NJ
- Beverly Port Marina, Beverly, MA
- Wychmere Jetty, Harwich, MA
- Reservation Golf Course, Mattapoisett, MA

Municipal Projects: *Responsibilities included project funding and administration of contracts.*

- Closure of Town Landfill, Marshfield, MA
- Municipal Transfer Station Project, Marshfield, MA
- Sewer Ocean Outfall Renovation Project, Marshfield, MA
- Seawall Construction Project, Marshfield, MA
- Upgrades to Wastewater Treatment Plant and Sewer System, Marshfield, MA

Dredging and Marine Construction Projects: *Responsibilities included providing consulting services for surveys, engineering, permitting, feasibility studies, and project management.*

- Boston Risers (Diffuser #3) Project, Boston, MA
- WCI Fiber Optic Cable Project, Boston, MA
- Bath Iron Works Dredging, Bath, ME
- Bath Iron Works Dredging – Expert Witness, Bath, MA
- Fort Point Channel (CA/T) Soil-Mix Project, Boston, MA
- Mobil Oil Facility Dredging, East Boston, MA
- East Boston Shipyard Structural Evaluations, East Boston, MA
- Citigo Terminal Renovation Project, Braintree, MA
- Boston Third Harbor Tunnel (CA/T), Boston, MA
- Boston Outfall Diffuser (C/I), Boston, MA
- Rio Puerto Nuevo Drainage Project, San Juan, PR
- Fore River Bridge Project, Quincy, MA
- Boston Harbor Dredging Project, Boston, MA
- Rio Puerto Nuevo Drainage Project, San Juan, PR
- Dredging of Connecticut River, Saybrook to Hartford, CT
- Public Pier, Public Landing and Boat Launch Facility, Everett, WA
- Survey, Design and Permitting of over 15 coastal revetments & piers, South Shore & Cape Cod, MA
- Reservoir Rehabilitation Dredging, Johnston Landfill, Johnston, RI
- Attleboro Reservoir Rehabilitation Dredging, Attleboro, MA
- Mill Pond Rehabilitation Project, West Newbury, MA
- Mill Pond Dredging Project, Lynnfield, MA
- Muddy River Rehabilitation Dredging, Boston, MA
- Green Harbor Dredging, Marshfield, MA
- South River Dredging, Scituate, MA
- Hardy Pond Rehabilitation Dredging, Waltham, MA
- Dredging Projects for various private projects (50), Boston Harbor, Cape Cod & Islands, MA
- Deer and Nut Island Dredging and Marine Facilities, annually since 1990, Boston, MA
- Piers 1 & 2, and Approach Channels, Rhode Island Port Authority, Davisville, MA
- Brooklyn Navy Yard Dredging, Brooklyn, NY
- Connecticut River, Federal Channels, Old Saybrook to Hartford, Connecticut
- Spectacle Island, Marine Facilities, Boston, MA
- Edgartown Harbor Beach Nourishment Projects, Edgartown, MA
- New Bedford Harbor (Superfund Project), New Bedford, MA
- Entrance to Hampton Beach, and Inner Harbor, Hampton Beach, NH
- Captains' Walk Feasibility Study, Cohasset, MA
- Cohasset Gulph Marine Railway, Cohasset, MA
- Glades Seawall Rehabilitation Project, Scituate, MA
- Scituate Harbor Yacht Club Dredging, Scituate, MA
- Barnegat Lighthouse Project, Barnegat Inlet, NJ
- Wauwinet Pier & Float Project, Nantucket, MA
- McArdle Bridge Cable Project, Chelsea, MA
- DEM Marblehead Dredging Project, Marblehead, MA
- DEM Spectacle Island Marina Facility, Boston, MA
- White Elephant Dredging Project, Nantucket, MA

- Breakers Pier Project, Nantucket, MA
- Easton Street Bulkhead, Nantucket, MA
- Old North Wharf Piers & Float Projects, Nantucket, MA
- South Boston Piers-Russia Wharf & Fort Point Channel Tunnel, Boston, MA
- Children's Beach Ramp & Dredge Project, Nantucket, MA
- Hough's Neck Marsh Restoration Project, Quincy, MA
- Jamestown Submarine Cable Project, Jamestown, RI
- New Bedford Harbor Superfund Site, Area D Bulkhead, New Bedford, MA
- Ocean City Jetty Restoration, Ocean City, MD
- Duke Energy "Hubline Project", Boston, MA
- DCR-George's Island Water Line Repair, Boston, MA
- Tennis Center River Bank Restoration, Brooklyn, NY
- DCR-Westport Federal Channel Dredging, Westport, MA
- DCR-Westport Wharves & Creek Dredging, Westport, MA
- CEC Jamestown Bridge Demolition Project, Jamestown, RI
- Scituate Marine Park, Scituate, MA
- DCR Skaket Dune Restoration Project, Orleans, MA
- DCR Nantasket Beach Master Plan, Hull, MA
- Bass River Marina Bulkhead Replacement, Dennis, MA
- New Rochelle Municipal Marina Bulkhead Replacement, New Rochelle, NY
- Duke Gas Pipeline Reef Project, Boston, MA
- DCR-Gavigan Dune Restoration, Orleans, MA
- Tern Harbor Marina Bulkhead Replacement, Weymouth, MA
- QDC Mega Yacht Facility, Davisville, RI
- New Rochelle Dredging – Material Witness, New Rochelle, NY
- Testa Sakonnet Bridge Demolition, Tiverton, RI
- DCR-Hingham Harbor & Channel Dredging Project, Hingham, MA
- DCR-Gloucester Inner Harbor Dredging Project, Gloucester, MA
- Hewitts Cove Marina, Hingham, MA
- Jones Inlet Marina Dredging – Expert Witness, Freeport, NY
- Jacobs Meadow Flood Project, Cohasset, MA
- Pemberton Pier Dredging & Beach Nourishment, Hull, MA
- DCR-Beades Bridge Dredging, Dorchester, MA
- Gorton's Seafood Seawall, Gloucester, MA
- Masconomo Park Coastal Bank Restoration, Manchester, MA
- Scituate Conservation Commission – Waterfront Project Reviews, Scituate, MA
- Hingham Conservation Commission – Waterfront Project Reviews, Hingham, MA
- QDC-Pier 1 NOAA Homeport Berth Project, Kingstown, RI
- Tern Harbor Marina Dredging Project, Weymouth, MA
- Oak Bluffs Shoreline Restoration Project, Oak Bluffs, MA
- DCR-Squantum Point Park Ferry Dock Rehabilitation, Quincy, MA
- Oak Bluffs North Bluff Seawall, Oak Bluffs, MA
- Oak Bluffs Waban Park Drainage, Oak Bluffs, MA
- East Chop Yacht Club Dredging, Oak Bluffs, MA
- Sengekontacket Dredging & Beach Nourishment, Oak Bluffs, MA
- Gulph Boatyard Restoration, Cohasset, MA
- DCR-Hingham Moorings & Docks Expansion Project, Hingham, MA
- U.S. Coast Guard Station Merrimack River Dredging, Newburyport, MA
- Sakonnet Bridge Piers Project, Tiverton, RI

- OFBA Fish Pier, Oak Bluffs, MA
- Scituate Lighthouse Seawall, Scituate, MA
- New Bedford Marine Commerce Terminal, New Bedford, MA
- CHC Scituate Seawalls Condition Update, Scituate, MA
- DCR-Cronin's Landing Pier Project, Waltham, MA
- DCR-Watertown Landing Pier Project, Watertown, MA
- Nyanza Superfund Cleanup Project, Framingham, MA
- Alford Street Bridge Cable Project, East Boston, MA
- BTT 36 New Street Bulkhead Project, East Boston, MA
- WTSI-Orient Point Bulkhead Rehabilitation Project, Orient Point, NY
- Memorial Bridge Replacement Project, Portsmouth, NH

Residential and Commercial Projects: *Responsibilities include providing consulting services for surveys, engineering, permitting, feasibility studies, cost estimates, and project management.*

- Eastern Energy Cogeneration (660 Mw) Project, New Bedford, MA
- Two Hancock Street Development Project, Quincy, MA
- Mill River Marina Project, Cohasset, MA
- MBTA Railroad Extension Project, Middleboro, MA
- Route 6 Expansion Project, Cape Cod, MA
- Fiber-Optic Cable Landing, Lynn, MA
- Numerous residential subdivisions (25) throughout Massachusetts.
- Numerous (100) civil site projects throughout Massachusetts.
- USPS Parking Facility, South Boston, MA
- Christopher Columbus Park, Boston, MA
- Acton Recreational Facility, Acton, MA
- Harbor West Structural Evaluation, Seattle, WA
- Washington Park Tower Seismic Inspection, Seattle, WA
- Cell Tower Construction Certifications, Barnstable, MA
- UMASS Lowell Landscaping Project, Lowell, MA
- Mission Hill Playground Restoration Project, Boston, MA
- Tori Lynn Subdivision, New Bedford, MA
- Americold Facilities, Gloucester, MA
- Gorton's Blue Sky Project, Gloucester, MA
- Round Hill – 7th Green Restoration Project, South Dartmouth, MA

PUBLICATIONS

"Dredging and Backfill Operations in a Hostile Environment", WEDA XVI, Minneapolis, Minnesota

"Value Permitting of Dredging Projects", WEDA XVII, New Orleans, Louisiana

"Managing Turbidity During Dredging for the Central Artery / Tunnel Project", BSCES-Coastal Community Dredging Seminar, Hyannis, Massachusetts

"Crew Ventilates 10-mile Tunnel to Complete 'Boston Risers' Outfall", International Dredging Review, May 2001

"Dredging Accuracies & Contaminated Sediments", WEDA XXXVI, Orlando, FL

"Dredging in a Sensitive Environment", WEDA XXXVII, New Orleans, LA

"A Practical Guide of a Sustainable Port" PIANC EnviCom WG150