

EDUCATION**University of Rhode Island**

BS, MS & Ph.D. in Civil & Environmental Engineering, MBA

Registered Professional Engineer - Rhode Island, Massachusetts, Connecticut and New Hampshire

RIDEM Licensed Class III Designer for On-Site Wastewater Treatment Systems

REGISTRATIONS**PROFESSIONAL SOCIETIES**

American Society of Civil Engineers

National Society of Professional Engineers

Rhode Island Society of Environmental Professionals

Rhode Island Consulting Engineers

COMMUNITY SERVICE

2016-2019 Board of Electric Commissioners

North Attleboro Electric Department, a municipally owned electric company

(Population 28,000)

1997-2014 Board of Public Works

Town of North Attleboro, Massachusetts

2013 - Appointed by Governor Lincoln Chafee to Special Legislative

Commission on Stormwater Regulations.

UNIVERSITY EXPERIENCE**University of Massachusetts, Dartmouth**

P/T Lecturer – Civil/Environmental Engineering Dept.

Served as expert witness in Rhode Island Court system on behalf of The State of Rhode Island, municipalities and private parties.

COURT EXPERIENCE**PROFESSIONAL
EXPERIENCE**

Mr. Cabral has thirty-five years of diversified experience in civil, transportation and environmental engineering. Presently, he is project manager on various transportation and environmental engineering projects, as well as residential, commercial, and municipal projects. He also provides quality control for all projects in the office. A partial listing of project experiences follows with Mr. Cabral's design emphasis.

- **On-Call Consultant**

On an "on-call" basis, performed independent Development Plan Review services for numerous communities. Recent experiences include Richmond, Exeter, Coventry, Hopkinton, and Barrington. On-Call services also include providing engineering services on a "task-basis" for various communities, housing authorities and the RIDOT.

- **State Street Circulation Project,
Providence, Rhode Island**

Project Manager for the State Street Circulation Project. This project involved the development of improved traffic patterns, streetscapes and linkages to public transportation for existing and proposed land uses in a multi-block area adjacent to the Capital Center Project and encompassed the State Office Complex.

- **Hamlet Avenue Beautification Project,
Woonsocket, Rhode Island**

Project Manager for the Hamlet Avenue Streetscape Project which was an enhancement project managed by the City of Woonsocket and funded by the Rhode Island Department of Transportation. Hamlet Avenue is an urban arterial which is surrounded by a mixed use of residential, commercial and office uses.

**PROFESSIONAL
EXPERIENCE**

- **Stormdrain Retrofit Demonstration Project,
Statewide - Rhode Island**

Project manager for Phase III of the stormwater retrofit project which included prioritization of approximately two hundred outfalls based upon total constituent loadings, BMP alternative assessments and cost/benefit analysis and the implementation of mitigation strategies for the major outfalls, including a filter system for a 120-inch discharge from Route I-95 into the Pawtuxet River.

- **Ponaganset Middle School,
Glocester, Rhode Island**

Comprehensive civil/site engineering for the design and permitting of a new 875 student middle school, including an advanced nutrient removal wastewater treatment facility.

- **Ponaganset High School,
Glocester, Rhode Island**

Civil and Environmental services for the rehabilitation and expansion of the existing High School/Middle School Complex.

- **Highland Corporate Park,
Cumberland/Woonsocket, Rhode Island**

Civil transportation and environmental services for design and permitting of the 300+ acre Corporate/Industrial Park, including two (2) miles of new roadways and utility systems. Services also included civil engineering/site design for the following parcels:

Tiffany & Company
KKM

Neurotech
Trilateral

Cintas
CVS

- **Route 6/10 Interchange,
Providence, Rhode Island**

Engineering evaluations of the Route 6/10 Interchange which provides a major link between Interstate 295 and Providence and is a central component of the Connecticut to Southeastern Massachusetts corridor. The evaluation included geometrics, transportation movements, capacity, infrastructure deterioration, alternatives, costs and potential impacts of alternatives in conformance with the National Environmental Policy Act (NEPA).

- **Statewide 3R Highway Improvement Program,
Statewide - Rhode Island**

Analysis of vertical roadway geometry and design of roadway profile modifications to increase available sight distance. Drainage analysis of all stormwater on conveyance systems. Technical assistance with environmental permitting.

- **Exeter Planning Board Engineering Consultant,
Exeter, Rhode Island**

Provide independent engineering evaluations of development designs, including conformance to engineering standards and potential environmental impacts for the Exeter Planning Board.

**PROFESSIONAL
EXPERIENCE**

- **Lower Sprague Reservoir,
Smithfield, Rhode Island**
Project manager for hydrologic and hydraulic evaluation and design services for the Lower Sprague Reservoir's earthen dam and outlet systems.
- **Commercial Developments.
Eastern United States (Georgia to Vermont)**
Site layout, traffic circulation, grading, stormwater management, utility designs and local, state, and federal permitting for commercial developments ranging from less than one acre to more than fifty acres throughout the eastern United States.
- **Gaspee Point Sewer Design,
Warwick, Rhode Island**
Preparation of sanitary collection system alternatives for an existing residential compound, which includes approximately 282 homes and 3.5 miles of roadway.
- **Sakonnet Bay Manor Sewer Extension,
Tiverton, Rhode Island**
Design and permitting of approximately 2.5 miles of sanitary sewer force main. The design involved numerous wetland crossings, stabilization of eroded railway slopes, coordination with the Providence and Worcester Railroad, and coordination with an adjacent Superfund Remediation project.
- **Reconstruction of Hamilton Mill Dam,
North Kingstown, Rhode Island**
Project manager for civil engineering design services to the Rhode Island Department of Environmental Management for the Hamilton Mill Dam, located on the Annaquatucket River in North Kingstown, Rhode Island. Phase I of the project included inspection of the dam failure and conceptual design of alternate plans for the restoration of the dam. Phase II included preparation of construction plans and documents necessary for permitting and implementation of the recommendations provided in Phase I.

Mr. Cabral has acquired significant experience in the preparation of permit applications for small to multi-million dollar projects. Some of the permits which have been successfully obtained include:

- United States Army Corp of Engineers
- United States Coast Guard (Work within navigable waterways)
- United States Environmental Protection Agency
(Coordination for construction within aquifer areas.)
- United States Fish and Wildlife Service
- Rhode Island Coastal Resources Management Council
- Wetlands Alterations
- Water Quality Certifications
- NPDES/Construction Discharge Permits
- Underground Injection Control
- Sanitary System Extensions
- Individual Sewage Disposal Systems
- Dam Installation and Repair