

EDWIN J. MACKIEWICZ III, P.E.

**801 South Palm Avenue
Indialantic, Florida 32903
407-725-8110**

EDUCATION: Bachelor of Science in Civil Engineering, University of Hartford, Connecticut

REGISTRATIONS/CERTIFICATIONS

Registered Professional Engineer - Florida #48208
American Society of Civil Engineers, Associate Member

IMSA: Work Zone Safety
National Society of Professional Engineers
Traffic Safety in the Workplace

Concrete, Bridge and Foundation
Inspection Consultant

Series
Earthwork, Density Record System
Preparation of Final Estimates
Suretrak Certified Training

SUMMARY OF WORK EXPERIENCE:

Mr. Mackiewicz has approximately eighteen years of experience in civil/structural engineering projects, primarily in the construction and design of bridges. He is currently the Resident Engineer supervising the contract administration for four bridge replacement projects, among which is a major interchange on I-95 and a rehabilitation of a bascule bridge. He has been in responsible charge for the safety and condition inspection of various fixed and movable bridges, including structural analysis on certain bridges to determine the safe load carrying limits. Mr. Mackiewicz has provided construction engineering and inspection of several bridges, including movable lift span bridges, a 3800 foot steel plate girder bridge, prestressed concrete and segmental concrete box girder bridges.

DETAILED WORK HISTORY:

12/96 - Date: Resident Engineer, Keith and Schnars, P.A. Currently assigned to FDOT Group 33 and Group 41 and 42 for District Five. Group 33 includes bridge replacements on U.S. 1 over Turkey Creek and new interchange on I-95 at Malabar Road which includes new bridge, ramps and approach roadway. Group 41 is the SR 520 St. John's River Bridge Replacement Project, Brevard County; SR 407 resurfacing from SR 528 to SR 405. This project involves construction of a new low-level bridge over the St. John's River, construction of approach roadway, installation of drainage and removal of the existing bridge. It is a metric unit project. Group 42 is a rehabilitation of a double leaf bascule bridge. This project includes complete machinery, hydraulic and electrical replacement as well as structural steel strengthening. Group 13 for FDOT District Five. This project included new bascule bridge construction on drilled shaft substructure for the Christa McAuliffe bridge on SR 3 over the barge canal, major rehabilitation of the existing bascule bridge, widening, milling and resurfacing, including bridge widening and box culvert extensions for I-95 from 1.3 miles north of SR 528 to SR 50.

08/95 - 11/96: Senior Structural/Project Engineer, Lichtenstein & Associates. Acted as team leader and field supervisor in charge of safety inspection and evaluation of various types of fixed and movable highway structures. Responsibilities included supervision of engineering crews to assure thorough condition inspection of structures; maintenance and protection of traffic through the work area; inspection of entire structure by means of free climbing, belaying and bridge accessing equipment; and preparation of formal condition reports along with load ratings and repair and rehabilitation details.

- 01/90 - 08/95: Steinman Engineers, Rocky Hill, Connecticut. Positions included:
- Bridge Design Engineer-Intermediate Level Designer. Responsibilities included preliminary to final design calculations of bridge structures, including seismic analysis and design, along with type studies and environmental impact studies and contractor shop drawing review. Experienced in various software applications including Microsoft Intergraph (CADD), Microsoft Project, Conspan, STAAD 111, and various spreadsheet and word processing programs.
 - Construction Engineer, Chicago, Illinois. Rehabilitation of four segmental bridges within a major interstate interchange. Responsibilities included inspection of bearing replacement, post-tensioning repair, concrete deck overlay, final quantity calculations, and preparation of final estimate documents.
 - Construction Engineer, North Miami Beach, Florida. I95 H.O.V. Widening for FDOT consisting of five AASHTO type bridges and one steel truss bridge. Responsibilities included supervision of bridge inspectors, inspection of precast concrete pile driving, substructure and superstructure construction, material testing, verification of design quantities and completion of final estimate.
 - Bridge Inspector, East Hartford, Connecticut. Construction inspection of new 3800' steel plate girder bridge. Inspection duties included bridge footing and pier construction including H-pile driving, substructure formwork and concrete placement, erection of structural steel and painting. Final quantity calculations and review of contractors' extra work claims.
 - Bridge Inspector, Brooklyn, New York. Rehabilitation of lift span bridge, which involved machinery maintenance and repairs, replacement of air buffers, replacement and re-tensioning of wire ropes, and replacement of sidewalk superstructure. Was responsible for overseeing contractor's activities to assure compliance with contract documents, maintenance of accurate records for pay quantities and potential claim analysis, assisting contractor with technical aspects of rehabilitation (ie wire rope re-tensioning), and acting as liaison between contractor and bridge owner.
- 01/84 - 12/89: Construction Field Technician, Northeast Utilities, Hartford, Connecticut. Planned, coordinated and supervised various construction projects involving underground structures for electrical distribution.
- 06/83 - 01/84: Civil Technician, Cahn Incorporated, Wallingford, Connecticut. Assisted senior engineers in the design of highway projects including drainage, roadway profiles, and cross sections. Prepared plans and contract documents for the Connecticut Department of Transportation.