

CURRICULUM VITAE

NICHOLAS A. CONLIN, P.E.

PROFESSIONAL SUMMARY

Mr. Conlin is a licensed Professional Engineer in the State of Florida specializing in roadway and structural design. Since receiving his Bachelor of Science degree in Civil Engineering from Florida State University, Mr. Conlin has worked as a consulting engineer for the Florida Department of Transportation (FDOT), Florida Department of Environmental Protection (FDEP), Leon County Florida, City of Tallahassee, City of Panama City, City of Cedar Key, and other municipalities. His experience includes bridge structure design and load rating, roadside and site drainage design, environmental permitting, pavement design, transportation design, mast arm design, site development, and temporary traffic control/maintenance of traffic design. Mr. Conlin has served/currently serving as the Engineer of Record (EOR) for over 31 projects among multiple municipalities including vehicular bridge structures, sidewalk installations, pedestrian bridges, retaining walls, dam rehabilitations, lift station rehabilitations, and traffic railing retrofits.

PROFESSIONAL EXPERIENCE

- 30North Forensic Engineering, LLC, Engineer: 2026 – Present
- Ebbstone, Inc., Engineer: 2019 – Present
- Registe, Sliger Engineering, Inc., Engineer: 2014 – 2019

EDUCATIONAL BACKGROUND

- Florida State University, Bachelor of Science in Civil Engineering; Tallahassee, FL
- Tallahassee Community College, Associate in Arts; Tallahassee, FL

PROFESSIONAL LICENSURE

- Florida Board of Professional Engineers, Professional Engineer (P.E.), No. 86637
 - Special Qualifications:
 - Civil – Transportation
 - Florida Building Code, 8th Edition

CERTIFICATIONS AND ACCREDITATIONS

- FDOT Specification Package Training for Consultants – 2023
- Open Water Diver, SEI ID No.: 307181

PROJECT PORTFOLIO

- **SR A1A (SR 200) at CR 107 Intersection Improvements Project, Nassau County, FL** – Mr. Conlin served as the EOR for the Ancillary Structures analysis for the modifications to the existing mast arms and assisted in the roadway and signing and pavement design for this roadway capacity project. Tasks included ancillary structures analysis, S&PM design, roadway design, temporary traffic control design, and plans preparation.
- **Lakeshore Drive Sidewalk Addition, Leon County, FL** – Mr. Conlin is the EOR for this Safe-Routes-to-School sidewalk addition project along Lakeshore Drive in Tallahassee, FL. Tasks include sidewalk design, drainage design and permitting, and retaining wall design along with sidewalk plans preparation.
- **Mays Road Sidewalk Addition, Leon County, FL** – Mr. Conlin is the EOR for this Safe-Routes-to-School sidewalk addition project along Mays Road and Sharer Road in Tallahassee, FL. Tasks include sidewalk design, drainage design and permitting, and retaining wall design along with sidewalk plans preparation. This sidewalk also features a signalized midblock crossing across Sharer Road.
- **State Road 10 (US 90/Tennessee St) Resurfacing, Restoration & Rehabilitation (RRR) from SR 61 (US 27/Monroe St) to SR 265, FDOT District 3, Leon County, FL** – Working as a subconsultant for H.W. Lochner, Inc., Mr. Conlin served as the Structures EOR for a permanent soldier pile retaining wall on this 1.13-mile four lane divided RRR project. Tasks included review of retaining wall design calculations, Structure Plans, and the Technical Special Provision for the wall. Mr. Conlin coordinated extensively with the department and all other disciplines involved in the project.
- **St. Marks Headwaters Greenway, Phase II, Leon County, FL** – This project involved the design for an 80-foot prefabricated steel pedestrian bridge foundation system, over 500 linear feet of boardwalk approaches, and six miles of 10 feet wide multi-use trails. Mr. Conlin served as Structures EOR for the project.
- **Clet Harvey Road over Turkey Creek Bridge Replacement, FDOT District 2, Baker County, FL** – Structures EOR for the design and plans production for a three-cell bridge culvert. Tasks included preparation of the Typical Section Package, Bridge Development Report, bridge culvert design and plans preparation.
- **State Road 20 (US 27/Apalachee Parkway) from east of SR 261 (US 319/Capital Circle) to the Jefferson County Line, FDOT District 3, Leon County, FL** – Structures EOR for joint replacement details on SR 20 over St. Marks River (Bridge No. 550065) and for the load rating of a bridge culvert on SR 20 over Unnamed Branch (Bridge No. 550042).
- **State Road 20 (SE Hawthorne Road) RRR from east of CR 325 to west of US 301, FDOT District 2, Alachua County, FL** – Mr. Conlin served as the Structures EOR for the joint replacement of the Lochloosa Creek Bridge for this rural divided highway pavement rehabilitation project.
- **SR A1A from Marineland to Fort Matanzas Inlet, FDOT District 2, St. John's County, FL** – Structures EOR for the addition of an 11-foot-wide multi-use trail on Bridge No. 780119 over the Matanzas River. The project involves removal of the existing traffic railing, partial demolition of the bridge deck, and installation of a new traffic railing using an epoxy anchor system. Tasks include completing the BDR, structure calculations, plans preparation, and Load Rating.
- **Capital Cascades Trail – Segment 4, Blueprint Intergovernmental Agency, Tallahassee, FL** – Structures EOR responsible for the design and plan preparation of substructure and foundation systems for three 12-foot-wide prefabricated steel truss pedestrian bridges. The bridge configurations include two single spans (85 feet and 75 feet) and one 157-foot two-span structure crossing the Central Drainage Ditch in Tallahassee, Florida.

- **Tram Road over Miller Bay Bridge Replacement Project, FDOT District 3, Holmes County, FL** – Structures EOR responsible for the design and plans production for a two-cell bridge culvert. Responsibilities included the preparation of the Bridge Development Report, roadway and bridge design, and plans preparation.
- **Cedar Key Sanitary Sewer Lift Station Rehabilitation, Levy County, FL** – Working as a subconsultant to Baskerville Donovan, Inc., Mr. Conlin served as the Structure Plans EOR for this three-phase project and was responsible for the structural design of 12 lift station rehabilitation modifications and 4 lift station replacement structures. The rehabilitation design included replacing structure tops to accommodate flood-tight access hatches, structure modifications for pipe penetrations, installation of a polymeric lining system, anchor design for a submersible pump and discharge base/elbow, and concrete slabs for the above ground discharge piping. Replacement structure design consisted of concrete structure design, anti-buoyancy footing design, and grout injection subsurface modifications.
- **Thomas P. Smith Water Reclamation Facility Septage Receiving Station Improvements, Leon County, FL** – Structural EOR for the rehabilitation of the septage receiving facility within the Thomas P Smith Water Reclamation Facility in Tallahassee, Florida. Improvements involved the construction of a septage vacuum truck unloading station consisting of a concrete ramp and filter container slab. Additionally, this project involved the construction of a solid waste septage receiving equipment facility. Structural design included equipment foundations and anchorage systems. The septage receiving station also featured an open framed metal covering and prefabricated operator station building which required preparation of specifications, loads, and foundations.
- **CR 65 over Bee Branch Bridge Replacement Project, FDOT District 3, Holmes County, FL** – Structures EOR responsible for the design and plans production for this bridge replacement project. The replacement structure consists of a two-cell 6 feet x 12 feet bridge culvert. Tasks include preparing the Bridge Development Report, MOT Alternatives Analysis Report, and bridge culvert design calculations.
- **English Lane over Blackshire Creek Bridge Replacement Project, FDOT District 3, Holmes County, FL** – Structures EOR for this bridge replacement project consisting of a two-cell 5 feet x 12 feet bridge culvert with parallel wingwalls. The new structure is constructed along a shifted alignment, parallel to the existing bridge to allow for MOT during construction. Mr. Conlin was also responsible for assisting in the coordination of all design efforts on this project, such as permitting and stormwater design.
- **Panama City HMGP Lift Station 70 Hardening and Mitigation, Panama City, FL** – Structures EOR for this lift station hardening project. Improvements included structural design and plans preparation of an elevated concrete support structure for a diesel bypass pump and generator, concrete wet well top slab replacement, electrical panel support structure and foundation, and design for an elevated access platform foundation. Design included preparations of design specifications, loading, material requirements for a delegated design for the aluminum access platform and roof system.
- **Maylor Road Drainage Improvements & Watermain Relocation, Leon County, FL** – Structures EOR for this roadway safety reconstruction project involving the installation of three, 60 in. equalization pipes for the floodplain compensation area with associated concrete retaining walls. Mr. Conlin also permitted this project through Leon County and FDEP.
- **I-10 (SR 8) RRR from Nassau County Line to SR 23 (First Coast Expressway, FDOT District 2, Duval County, FL** – Mr. Conlin served as the Structures EOR for this pavement rehabilitation project along I-10. Mr. Conlin was responsible for the joint replacements for two bridges impacted by milling and resurfacing operations within the project.
- **I-10 (SR 8) RRR from West of Yellow River to East of Shoal River, FDOT District 3, Okaloosa County, FL** – Mr. Conlin served as the Structures EOR for this interstate pavement rehabilitation and widening

project. Mr. Conlin was responsible for the design and plans preparation of box culvert extension resulting from widening activities, and the joint replacement for two bridges impacted by milling and resurfacing operations within the project.

- **Antlers Pond Dam Repair, Leon County, FL** – Mr. Conlin is serving as the EOR for this dam rehabilitation project involving the installation of a steel sheet pile seepage cutoff wall, reconstruction of the concrete spillway and outfall structure, and earthen dam stabilization and regrading. Antlers Pond is a 9.6-acre waterbody that is retained by a 200-foot-long earthen dam. Project involves multiple property construction and drainage easement acquisition as well as aerial temporary construction easements for crane boom swing radii.
- **Oak Shore Drive Fishing Pier, FDEP, Bay County, FL** – Mr. Conlin served as the Specialty Engineer for CDS Manufacturing, Inc. providing the signed and sealed shop drawings and structural calculation package for the design of the prestressed concrete slabs for the concrete fishing pier designed by Taylor Engineering, Inc. Mr. Conlin also served as the Structure EOR for the prestressed concrete fishing pier piling shop drawings.
- **SR 2 RRR from SR 77 to west of Spring Branch Bridge, FDOT District 3, Jackson County, FL** – Mr. Conlin served as the Structures EOR responsible for the bridge culvert load rating for this pavement restoration project.
- **State Road A1A Trail from Fort Matanzas to SR 206 & SR 206 to Beach Blvd, FDOT District 2, St. John's County, FL** – Mr. Conlin is serving as the structures EOR on these projects, providing structural design for incorporating retaining structures in select sections adjacent to the Shared Use Paths, minimizing disruptions to existing ditches and alleviating right of way constraints. Additionally, temporary retaining structures are being designed to assist with pedestrian MOT.
- **State Road 30 (US 98) Multi-Use Trail from SR 377 (US 319) to CR 370 (Alligator Drive), FDOT District 3, Franklin County, FL** – Mr. Conlin is serving as the Structures EOR for this 9-mile construction of shared use path. Tasks include bridge design for the installation of a post-installed adhesive bonded anchor system traffic railing on the existing bridge to accommodate the proposed shared use path.
- **SR 261 (US 319) (Capital Circle SE) at Highland Oaks Terrace Intersection Improvements, FDACS, Leon County, FL** – Mr. Conlin served as the Structures EOR for the design and plans preparation of two mast arm assemblies for this project which involved the connection of a new access roadway to Capital Circle SE for the new FDACS building.
- **SR 100 from Saint John's River Water Management District to CR 216 – Multi-Use Trail, FDOT District 2, Putnam County, FL** – Mr. Conlin is serving as the Structures EOR for this rails-to-trails project which involves the replacement of 2-60 in. culverts with a 2-cell, 10 x 5 ft bridge culvert. Tasks include Bridge Development Report, structural calculations, and plans preparation.

PROFESSIONAL DEVELOPMENT

- Florida Department of Transportation (FDOT), **Specification Package Preparation Training for Consultants**: This full day in-person course is required for EOR's responsible for signing and sealing the Specifications Packages for FDOT projects. This course covers Specification Package preparation, contract authority, governing order of documents, internal FDOT Specification builder processes, and American State Highway Transportation Official (AASHTO) format for interstate specification compliance.
- American Council of Engineering Companies of Florida (ACEC-FL), **OpenBridge Modeler Bridge Design & Modeling**: This training course details 3D bridge modeling workflow using Bentley product OpenBridge Modeler (OBM) within the FDOTConnect workspace to comply with Florida Department

of Transportation CADD standards (FDOT CADD). Course development includes laying out a 3D bridge model, bridge structure plan development, and generation of quantity reports.

- Federal Highway Administration (FHWA) & Florida Local Technical Assistance Program (FLTAP), **Pedestrian Road Safety Audits (RSA)**: This 6-hour course covers pedestrian safety in transportation systems, provides an overview of road safety audits and their applicability to pedestrian safety, as well as a review of pedestrian crash countermeasures.
- Federal Highway Administration (FHWA) & Florida Local Technical Assistance Program (FLTAP), **FDOT – ADA in Design, Construction, and Maintenance**: This course provides a review of the requirements for accessibility for projects on the State highway system in Florida. Course material covers criteria found in the Florida Design Manual (FDM) 222 – Pedestrian Facilities, as well as application of accessibility requirements during Temporary Traffic Control found in the FDM 240 – Transportation Management Plan and Standard Plans, Index 102-660. References are also provided to similar criteria in the Florida Greenbook for use on Local projects.
- Federal Highway Administration (FHWA) & Florida Local Technical Assistance Program (FLTAP), **Overview of FHWA's Proven Safety Countermeasures**: This course overviews the Federal Highway Administration's (FHWA) collection of 28 countermeasures and strategies effective in reducing roadway fatalities and serious injuries on our Nation's highways. Topics covered include countermeasure introduction and application, application context, and safety countermeasure benefits.