

Angel Seda, P.E.

Professional Engineer

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Education:

University of Puerto Rico – Mayagüez Campus
Bachelor of Science, Civil Engineering 1990

Years of Experience: 30 years

Professional Registrations:

Professional Engineer: FL 79847
Professional Engineer PR 11517

Memberships & Affiliations:

Board of Directors of Professional Engineers Society of Puerto Rico
College of Engineers and Surveyors of Puerto Rico
Institute of Civil Engineers

Certifications:

FDOT-CTQP Earthwork Construction Inspection Levels I & II
FDOT-CTQP Final Estimate Levels I & II
FDOT-CTQP QC Manager
FDOT MSE Wall & Auger Cast Pile

FDOT Critical Structures Construction Issues (Self-Study)
FDOT Advanced TTC (MOT)
Troxler – Nuclear Gauge Safety Certification
Florida Stormwater Erosion & Sedimentation Control

PROJECT EXPERIENCE:

NEW MILLENNIUM ENGINEERING INC.

CEI Bridge Project Administrator

12/2019 – 07/31/2020: Homestead Extension of the Florida's Turnpike (HEFT/SR 821) from 6/8 lanes to 10 lanes with Express Lanes, from Milepost 26 to Milepost 34; FN 435543-1-52-0 (\$244.9M). The Improvements under this Contract consist of widening the Improvements include milling and resurfacing and overbuild, widening and reconstruction of the HEFT/SR 821 mainline and associated interchanges improvements at NW 12th Street, NW 41st Street, NW 74th Street, and NW 106th Street. HEFT/SR 821 mainline or C-D road bridges to be widened over SR 836/NW 12th Street, NW 25th Street, NW 41st Street, NW 58th Street and the NW 74th Street Canal, and ramp bridges to be widened at NW 41st Street and NW 74th Interchange improvements at SR 836 include the construction of three new ramps including direct connection ramp flyovers from eastbound and westbound SR 836 to northbound HEFT/SR 821 express lanes, and from the southbound HEFT/SR 821 express lanes to eastbound and westbound SR 836. In addition, three new ramp bridges will be constructed at the SR 836 and NW 12th Street Interchanges. NW 117th Avenue will be converted from a two lane two way frontage road between NW 34th Street and NW 41st Street, and from NW 41st Street to NW 50th Street, to a single lane northbound only roadway, and new NW 117th Avenue single lane bridge will be constructed over NW 41st Street with ramp access to northbound HEFT/SR 821 and a slip ramp connecting northbound only NW 117th Avenue local traffic across NW 41st Street. Responsible for overseeing team of engineers, surveyors, inspectors, senior inspectors, contractor/client interface, quality, maintaining contract records, documentation of weekly reports, progress estimates, monitoring of shop drawing, project sampling and track completed work quantities payment.

05/2015-12/2019: MDX Work Project No. 83628.050 Design-Build Project of SR836 Operation, Capacity, and Interchange Improvements: (\$207M). This is a 5-year Design-Build widening of SR826 from 57th Avenue to 17th Avenue. An additional eastbound and westbound lane on SR 836 from west of NW 57th Avenue to NW 17th Avenue as well as improvements to the SR 836/ NW 57th Avenue Interchange, the SR 836/LeJeune Interchange, the SR 836 / NW 27th Avenue Interchange and the SR 836/ NW 17th Avenue Interchange will provide additional capacity on the mainline and improve operations in and around the existing interchanges, resulting in an improved level of service and safety. Responsible for overseeing team of engineers, surveyors, inspectors, contractor/client interface, quality, maintaining contract records, documentation of weekly/monthly reports, progress estimates, coordination/monitoring of shop drawing, project sampling and reporting for final acceptance.

Ferroval Agroman, SA

Construction Project Manager

01/2013 -05/2015: Renovation of Pier 3 Old San Juan Harbor \$8.7 Million project to upgrade Pier 3 in Old San Juan, Puerto Rico to handle Mega cruise ships. Work includes underwater construction of new mooring dolphin (4,756 ft²) at the South end of existing Pier 3 with two connecting catwalks. Driven piling 40 feet below bay bottom. Manage construction project to develop it on time, secure and on the proposed budget.

Angel Seda, P.E.
Structures Project Administrator

01/2014 – 05/2015: Paseo Puerta de Tierra, Phase I Urban reconstruction project consisting of safety improvements, milling, and resurfacing, widening, lighting, signals, drainage, bus stations, utilities, sidewalks and curb, and complex Maintenance of Traffic.

07/2012 - 03/2013: Pavement Rehabilitation and Safety Improvements to Highway PR-30 Federally Funded project for the Puerto Rico Highway Authority for Safety Improvements along Highway PR-30. Improvements included median barrier wall demolition, removal and reconstruction, new steel guard rail, milling and resurfacing, drainage, ITS, lighting, pavement markings and Maintenance of Traffic.

03/2011 - 09/2012: Dynamic Toll Lane Unit II Jose de Diego Expressway PR-22 Km 16.0 – Km 20.0 (2.5 miles) Conversion of PR-22 Expressway to a dynamically tolled (Express Lane) facility. Project included milling and resurfacing, widening, earthwork, concrete barrier wall, drainage, retaining walls, bridge widening, pavement markings, Maintenance of Traffic, ITS and Tolling components.

09/2008 - 05/2011: Preventive Maintenance, Jose de Diego Expressway PR-22 Km 23.0 – Km 33.0 (6.25 miles) Concrete pavement rehabilitation project on the heavily traveled PR-22 Expressway. Project included Portland Cement Concrete Pavement (PCCP) slab removal and replacement, joint repairs, crack repairs, full depth replacement, new concrete slabs, diamond grinding and profiling of the concrete pavement. Project also included rehabilitation of 5 bridge slabs within the project limits. This project included complex Maintenance of Traffic, detours, and closures. The project was financed with combined funds of the Federal Highway Administration and Puerto Rico Highway Authority.

03/2007 - 07/2010: Rehabilitation of Pavement Expressway PR-22 Km. 47.7 – Km 63.9 (10.1 miles) Pavement rehabilitation project to improve the riding condition, repair cracks and rutting, new profiling and diamond grinding of pavement, new safety improvements including guardrail and pavement markings. Project also included reconstruction of bridge joints, partial and full depth slab repairs, demolition existing slabs, as well as new bridge slabs. The project was financed with combined funds of the Federal Highway Administration and Puerto Rico Highway Authority.

Ferrovia Agroman, SA

Construction Structure Superintendent

07/2005 - 02/2007: Mariani Tunnel Expressway PR-53, Maunabo Construction of 8 new concrete bridges bridge structures and one complex multi span bridge. Project included pile foundations, prestressed beams, mass concrete, coffer dams, bridge decks, drainage, concrete pavement, post tensioned piers, barrier wall, roadway widening and complex Maintenance of Traffic. The project connected to the Mariani Tunnel Expressway which also required construction of 4 tunnel entrances consisting of reinforced concrete gravity walls, complex drainage, and excavation. Structure Superintendent was responsible for all field operations and material certification for the project.

Reach Construction Company, Inc.

Construction Project Manager

06/2003 - 07/2005: Improvements to Caguas Sur Toll Plaza Expressway PR-52 *Construction Project Manager* Partial demolition and reconstruction of toll plaza; reinforced concrete pavement restoration; widening of existing reinforced concrete bridge. Manage construction project to develop it on time, secure and on the proposed budget.

09/2000 - 06/2003: Police Station Hato Rey West Ward *Construction Project Manager* Construction of a multi-story - Police Station (7,747 ft²), including a reinforced concrete parking building with post tension slab (74,772 ft²). Manage construction project to develop it on time, secure and on the proposed budget.

07/1998 - 03/2001: P.R. 199 Las Cumbres, Bayamon *Construction Project Engineer* Improvement to Las Cumbres Avenue 2.3Km. New pavement, drainage, retaining wall and new sanitary system. Manage construction project to develop it on time, secure and on the proposed budget.

Reach Construction Company, Inc.

Construction Structure Superintendent

07/95 - 07/98: P.R. 53 Highway Rio Blanco, Naguabo Construction of 5.8 Km new concrete pavement highway with two 0.6 Km Connector and build new 9 concrete bridges, inclusive multi span bridge (17 Span). Responsible for all material submittal documents incorporated in the bridges. Structure Superintendent was responsible for all field operations and material certification for the project.

Angel Seda, P.E.
Structures Project Administrator

10/1994 - 07/1995: P.R. 53 Highway Humacao, Yabucoa Construction of 4.6 Km new concrete pavement highway with two 0.5 Km Connector and new 4 concrete multi span bridges. Structure Superintendent was responsible for all field operations and material certification for the project.

12/1992 - 10/1994: P.R. 22 Highway and Toll Plaza Manati Construction of 8.5 Km new concrete pavement highway and build new 6 concrete bridges and build Toll Plaza with Maintenance, Administration and Canopy building. Structure Superintendent was responsible for all field operations and material certification for the project.

Vivoni, Villegas & Associates

Resident Inspector

08/1990 - 10/1992: Playa Blanca Condo Resident Inspector New resident luxury condo, supervision of pile driving, building foundations, cast in place columns, wall and post tensioned slabs. Responsible for all material submittal documents to be incorporated.