

FRANCISCO ALONSO, PE
Project Manager - Civil Engineer

Registrations:

*PE/Mechanical
Engineering, Florida/
#66918*

**Academic
Achievements:**

*BS/2002/Mechanical
Engineering/University
of Miami*

Affiliations:

*Member, Florida
Engineering Society
Miami Chapter*

References:

*Scott Davis
Miami Shores Village
10050 NE 2nd Avenue
Miami Shores, FL
33138
305.795.2210*

*Jose Lago
City of Miami
444 SW 2nd Avenue
Miami, FL 33131
305.416.1221*

*Juan Pena
City of West Miami
901 SW 62 Avenue
West Miami, FL 33144
305.266.4214*

Mr. Alonso is a Professional Engineer with over 9 years of experience in management, planning, design and construction of various civil engineering projects which include site Civil engineering, water and sewer, storm-water master planning, storm-water design and permitting, traffic calming, and general roadway design. In addition He has provided assistance to various municipal and public clients with Grant preparation for FEMA, DOT, HUD, etc., including performance of benefit-cost analysis.

Some of the projects for which Mr. Alonso has conducted professional engineering services include:

66th Street Improvements, City of South Miami, FL

Project Manager and Engineer of Record for the roadway reconstruction of SW 66th Street in the City of South Miami. Mr. Alonso was responsible for designing the traffic calming and pedestrian enhancements throughout the corridor and managed the landscape and lighting aspects of the project.

Citywide Traffic Calming Improvements: City of West Miami

Mr. Alonso served as the design engineer for the implementation of traffic calming circles at 18 locations throughout the City limits.

FEMA Pre-Disaster Mitigation Grant Preparation – City of Miami, Florida

Mr. Alonso serves annually (2006-present) as the professional engineer overseeing the preparation of the FEMA PDM grant application for the Capital Improvement Program of the City of Miami. Tasks include performance of the benefit-cost analysis, compilation of project information, submission to FEMA, and coordination with reviewing staff.

ARRA and LAP Funding Coordinator – Various Municipalities

Mr. Alonso serves (2009-present) as the professional engineer on the T.Y. Lin Team overseeing the administration of local federal grants and coordination with FDOT personnel to ensure compliance and reimbursements for various municipalities including City of West Miami, City of South Miami, City of Sweetwater, Miami Shores, and City of Miami Beach.

Flagami-West End Storm Sewer Improvements – City of Miami, Florida

Civil designer for the drainage design of the storm water management systems. The work included performing drainage studies and preliminary engineering services, preparing the design and construction documents (drawings and specifications), and obtaining permits. The design work included exfiltration trenches; storm sewer collection systems and storm water pump stations and force mains. The permitting preparation and regulatory agency coordination included SFWMD, DERM, FDOT, and Miami-Dade County.

Citywide Drainage Improvements - Phase I: City of West Miami

Mr. Alonso served as project civil engineer for the storm-water master plan modeling and design services for pump stations #1 and #2, storm sewer collection systems, and a 48” force main. Mr. Alonso utilized the storm-water modeling software AdICPR for Flood Hydrology and Hydraulic Modeling as the basis for the design improvements.

FRANCISCO ALONSO, PE
Project Manager - Civil Engineer

The design phase included modifications to the existing, drainage system, design of a storm water collection system, and pump station design, including approximately 9,905-lf of 48” DIP force main with connections to the City of Miami force main and the C-3 Canal. The design work encompassed exfiltration trenches, storm sewer collection systems, storm water pump stations and force mains at various locations to alleviate flood prone areas identified by the “No Name Storm” of October 2000. The permitting preparation and regulatory agency coordination included SFWMD, DERM, FDOT, and Miami-Dade County.

Fairlawn Storm Sewer Improvements – Phase II – City of Miami, FL

Civil engineer for the storm-water modeling and drainage design of the storm water management systems. Mr. Alonso utilized the storm-water modeling software AdICPR for Flood Hydrology and Hydraulic Modeling as the basis for the design improvements. The design work included performing preliminary engineering services, preparing the design and construction documents (drawings and specifications), and obtaining permits. The design work included exfiltration trenches; storm sewer collection systems and a storm water pump station and force main. The permitting preparation and regulatory agency coordination included SFWMD, DERM, FDOT, and Miami-Dade County.

Fairlawn Phase III and Tamiami Storm Sewer Improvements Project Master Plan Improvements – City of Miami, Florida

Mr. Alonso produced the hydrodynamic model for the interconnected drainage systems of the Flagami, Westend, Fairlawn Phase III, and Tamiami quadrants of the City of Miami. The hydrodynamic model was assembled using the XP-SWMM software package. The resulting general development report was utilized as a master plan for this section of the City and the basis for design of the Fairlawn Phase III and Tamiami Storm Sewer projects. The work included gathering information of the existing drainage system, obtaining as-builts, modeling, identifying viable design alternatives, and providing recommendations for the design of an interconnected drainage system discharging to the C-4 Canal.

Citywide Drainage Improvements - Phase II, III and IV: City of West Miami

Mr. Alonso served as the Engineer-of-Record for the storm-water master plan modeling and design services for storm-water infrastructure improvements. Mr. Alonso utilized the stormwater modeling software AdICPR for Flood Hydrology and Hydraulic Modeling as the basis for the design improvements. The design work encompassed exfiltration trenches and storm sewer collection systems at various locations to alleviate flood prone areas identified by the “No Name Storm” of October 2000.

FEMA Drainage Program - Miami-Dade County, Florida

Collaborate during the design and construction phases for a drainage program for Miami-Dade County and FEMA. The project includes 300 work sites in pavement reconstruction, resurfacing and drainage improvement.

Dinner Key Harbormaster Office Trailer – City of Miami, Florida

Project Manager for the design of three trailers for the Dinner Key Harbormaster adjacent to the Coconut Grove Convention Center. The trailers would serve as the temporary Harbormaster Facility during construction of the new Dinner Key Harbormaster Building. The facility is located at the Dinner Key Marina (2649 South Bayshore Drive, Miami, Florida), adjacent to the south side of the Coconut Grove

FRANCISCO ALONSO, PE
Project Manager - Civil Engineer

Convention Center. The Civil and Electrical Engineering Services consisted of the positioning of three new trailers on the site, as well as the design and permitting assistance for providing domestic water, sanitary sewer, and electrical service to the trailers. Furthermore the project included the design of parking lot with lighting and access to the trailer site and boat ramp.

USDA APHIS Facility – LIVS Architects

Project Manager for the design of the Civil components of the USDA APHIS Facility. The facility is located at the Miami International Airport. Mr. Alonso was the engineer of record as well as lead designer for the drainage, domestic water, sanitary sewer, site geometric design, permitting assistance, and post design services.

MIA North Terminal Development – Miami-Dade Aviation Department

Civil designer for the drainage design of the storm water management systems throughout the north terminal. The work included performing drainage studies and preliminary engineering services, preparing the design and construction documents (drawings and specifications), and permitting assistance. The design work included apron and airfield drainage design with secondary treatment systems and interconnectivity and coordination with the airport's primary and secondary storm-water management system. The permitting preparation and regulatory agency coordination included SFWMD, DERM, and MDAD.

Mayor Roscoe Warren Park – City of Homestead, Florida

Project Manager for the design of the Civil components of the park. The facility is located within the City of Homestead. Mr. Alonso was the engineer of record as well as lead designer for the domestic water, sanitary sewer, and site geometric design

Biscayne Bay Flood Relief Project, Village of Miami Shores, Florida

Design Engineer for the professional civil engineering services provided for the construction of RCP storm sewers, exfiltration trenches, a pump station, DIP and HDPE force mains, inlets, manholes, and pavement repairs. Mr. Alonso utilized the storm-water modeling software AdICPR for Flood Hydrology and Hydraulic Modeling as the basis for the design improvements. Responsibilities included final construction plans, technical specifications, permitting and bidding assistance, and construction administration.

Eller Drive ICTF (Intermodal Cargo Transfer Facility)

The project intent is to eliminate two at-grade intersections before accessing the Port, and to provide grade separation for the new rail lines serving the Port's Intermodal Container Transfer Facility (ICTF). The project scope includes the design and construction plans for the complex interchange for express lanes from I-595 into Port Everglades. As the Engineering of Record for the drainage design Mr. Alonso's responsibilities included managing the drainage design and coordinating between the different disciplines and also between sub-consultants.

SR-5 / Brickell Avenue (from South of SE 25th Rd. to SE 4th St.) - Miami, Florida

Project consists of the design and construction phase services for a pavement reconstruction proposed for 1.7 miles of an existing four-lane divided highway on SR-5 (Brickell Avenue). The work includes concrete pavement design, maintenance of traffic, access management, lighting, signalization and excessive queues associated with the operations of movable bridge openings at the northern end of the project. As the

FRANCISCO ALONSO, PE
Project Manager - Civil Engineer

Engineering of Record for the drainage design Mr. Alonso's responsibilities included managing the drainage design and coordinating between the different disciplines and also between sub-consultants.

SR-5 / US1 Overseas Highway from MM 103 to MM 107 Resurfacing, Monroe County, FL

As part of the Florida Keys Overseas Heritage Trail (FKOHT) project the firm was retained to perform professional engineering services which encompassed the milling, resurfacing and pavement marking plans from MM 103 to MM 107 along the US1 Overseas Highway. The project included drainage design, pavement, signals utilities, lighting and MOT plans. Mr. Alonso's responsibilities included overseeing the drainage design and acting as a quality control officer on said design.

Citywide Drainage Improvement – Phase IV / City of South Miami, Florida

The design work included performing preliminary engineering services, preparing the design and construction documents (drawings and specifications), and obtaining permits. The design work included exfiltration trenches. The permitting preparation and regulatory agency coordination included DERM, and Miami-Dade County. As Project Manager and Engineer-of-Record for the drainage design, Mr. Alonso was responsible for bidding assistance and shop drawing review of the storm water management system and sidewalk upgrades.

Citywide Water Main Extensions Areas 1 and 2 - City of South Miami, Florida

The design work included preparing the design and construction documents (drawings and specifications), and obtaining permits. The design work included water main extension throughout underserved areas of the City. The permitting preparation and regulatory agency coordination included Health Department, DERM, and the Miami-Dade County Water and Sewer Department. Mr. Alonso served as Project Manager and Engineer-of-Record and was responsible for bidding assistance, shop drawing review, and construction administration.