



MEMORANDUM

Agenda Item 14(B)1

TO: Honorable Chairman Jean Monestime and
Members, Board of County Commissioners

DATE: July 6, 2016

FROM: Honorable Harvey Ruvin, Clerk
Circuit and County Court

SUBJECT: Nominations for Appointment to the
Professional Services Task Force

Christopher Agrippa, Director
Clerk of the Board Division

The Miami-Dade County Board of County Commissioners' adoption of Resolution R-414-16 provides for the creation a Professional Services Task Force, comprised of no less than thirteen (13) and no more than twenty-six (26) members, to make recommendations for improvements to the County's applicable legislation and administrative processes, procedures and competitive selection documents related to the purchase of professional services covered under the intent and requirements of the Consultants Competitive Negotiation Act (CCNA).

The Task Force shall contain professional representatives of firms delivering services under the CCNA, including firms with offices in the County which are not locally headquartered and locally headquartered firms. Additionally, the Task Force shall contain a balance of the professions regulated by the CCNA and be representative of the community to reflect the gender, racial, ethnic and cultural makeup of the community.

The Clerk of the Board received the names and resumes of the following nominees:

- Alberto D. Argudin, PE, CGC, LEED AP / A.D.A. Engineering / Principal
- Rosa Bazo / Merritt Engineering Consultants, P.C. / Senior Project Manager
- Barron Channer / Bach Real Estate / Chief Executive Officer
- Adebayo Coker, P.E. / HBC Engineering Company / President
- Carlos M. Gil-Mera, P.E., C.G.C / A&P Consulting Transportation Engineers Corp. / Vice-President
- Darryl Holsendolph / Holsen Inc. / President/CEO
- Gordon "Eric" Knowles / Miami-Dade Chamber of Commerce / President/CEO
- Godfrey A. O. Lamptey, P.E., PTOE / GOAL Associates, Inc. / Vice-President
- Robert Linares, PE / Metric Engineering / Principal/Sr. Vice-President
- Jeff Lozama / CMS International Group, Corp / President/CEO
- Jose A. Munoz, PE / BCC Engineering, Inc. / President
- Victor J. Pujals, PE, BCEE / CDM Smith / Senior Vice-President
- Scarlett Rico / Architects International / Business Operations Manager
- Eduardo M. Suarez, P.S.M. / Longitude Surveyors, LLC / President
- Deborah D. Swain / MSA Milian Swain & Associates, Inc. / Vice-President
- Manuel G. Vera, Jr., PSM / M.G. Vera & Associates, Inc. / Principal/Senior Surveyor
- Cliff Walters / Cliff Walters Consulting, L.L.C. / Principal

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Resolution R-414-16 also provides that individuals wishing to serve on the Professional Services Task Force may submit their qualifications to the Clerk of the Board. The following individual expressed an interest to serve on the Task Force:

- Enrique "Rick" Crooks, P.E. / EAC Consulting, Inc. / President

The resume of each nominee has been attached for the Board's review and consideration in selecting the members of the Task Force.

CA/lc

Attachments

ALBERTO D. ARGUDIN, PE, CGC, LEED AP

Principal

Mr. Argudin has over 40 years of experience and has been involved in a variety of projects that include all aspects of site engineering including stormwater management, water distribution, sewage collection and transmission, transportation, and solid waste management; environmental studies and permitting; and construction management. He has also been involved in several major construction management projects that have included airports, roadways, pump stations, storage tanks, solid waste facilities, and buildings.

Mr. Argudin is a registered engineer in Florida, New York, Massachusetts, Louisiana and Puerto Rico, and is a certified general contractor for both Miami-Dade County and the State of Florida. He worked as an engineer for several firms until he founded his own firm, A.D.A. Engineering, Inc. (ADA) in 1981. Celebrating over 35 years of success, ADA has grown from a two-person firm to a company with more than 35 employees and three offices throughout the state of Florida. ADA is a locally headquartered, and full service engineering firm certified by Miami-Dade County as a Small Business Enterprise (SBE) / A&E providing superior consulting engineering, planning, and construction management services in Miami-Dade County and throughout South Florida.

NW 170th Street 36" Water Main Micro-tunneling Design. Miami-Dade Water and Sewer Department (MDWASD).

For this Miami-Dade Water and Sewer Department (WASD) project, Mr. Argudin was the Engineer of Record (EOR) for the micro-tunneling and 36" Ductile Iron Pipe (DIP) WM under I-75. The work he performed included coordination with utilities, FDOT, FDEP, and DRER; design, permitting, and construction phase services. The work also included certification and closeout of the project.

Rehabilitation of 54-inch Diameter Force Main from SW 280th Street to SW 248th Street. MDWASD.

This project is comprised of the rehabilitation of an existing 54-inch force main that leads to the South District Waste Water Treatment Plant. The rehabilitation design includes tapping the existing force main with line stops, insertion and pull pits, new plug valves, and connections to other large diameter force mains. At this time, alternative rehabilitation methods have been proposed by the design team and are being considered by WASD. ADA has prepared conceptual plans, portions of the Basis of Design Report and Permit Matrix, utility coordination as well coordination with the regulatory agencies and is moving forward towards the 30% Submittal milestone. Mr. Argudin is the Principal in Charge responsible for ensuring that ADA has the necessary resources to complete its tasks and performs the QA/QC reviews. He also acts as the liaison between ADA and the Prime Consultant.

New 54" Force Main to Meet WASD's Consent Decree. MDWASD.

As part of the Consent Decree Program, a new 54-inch force main that will run from SW 127 AVE to SW 248 ST will be designed and constructed. ADA has prepared conceptual plans, portions of the Basis of Design Report and Permit Matrix, utility coordination as well coordination with the regulatory agencies and is moving forward towards the 30% Submittal milestone. Mr. Argudin is the Principal in Charge responsible for ensuring that ADA has the necessary resources to complete its tasks and performs the QA/QC reviews. He also acts as the liaison between ADA and the Prime.



EDUCATION

B.S., 1976, Civil Engineering,
University of Florida

REGISTRATION

1980, Professional Engineer,
Florida (No. 23547)
2008, Professional Engineer,
Louisiana (No. 34299)
2014, Professional Engineer,
Massachusetts (No. 51471)
2015, Professional Engineer, New
York (No. 094754)
1990, Professional Engineer,
Puerto Rico (No. 18803)
1982, State Certified General
Contractor, Florida (No. 023790)
1990, Miami-Dade County Certified
Engineering Contractor, Florida (No.
E98100)

MEMBER

American Society of Civil Engineers
American Consulting Engineers
Council
Florida Engineering Society
Cuban-American Engineering
Society
National Society of Professional
Engineers
Puerto Rico College of Engineers
and Surveyors
Miami Dade College Hall of Fame

CERTIFICATIONS

LEED Accredited Professional,
Green Building Certification Institute
(GBCI)
QC Manager, FDOT
CTQP Maintenance of Traffic, FDOT
Adv. Workzone Traffic Control,
FDOT
Asphalt Paving Levels 1 & 2, CTQP

Collection and Distribution System General Design Support Services. Palm Beach County Water Utilities Department.

Mr. Argudin is the Principal-in-Charge of this miscellaneous utilities design services contract, which involves several water, wastewater and reclaimed water force main design projects. ADA provided pipeline design and construction administration support for the FP&L West County Facility Reclaimed 36" DIP Watermain. The purpose of the project was to implement facilities necessary to deliver 22 million gallon per day (mgd) (average daily flow) and 27 mgd (peak flow) of reclaimed water to the FP&L West County Energy Center on a daily basis.

Reuse of Area 3 Wastewater Treatment Plant Effluent for City Park Irrigation. City of Marathon.

Mr. Argudin is the Principal-in-Charge for the Reuse of Area 3 Wastewater Treatment Plant Irrigation Project. The project scope consists of mixing the Area 3 WWTP effluent (Reuse) with the Florida Keys Aqueduct (FKAA) potable water in order to obtain a water blend suitable for irrigation. The blended water would allow irrigation of mainly the natural turf of the baseball and soccer fields as well as other landscaped areas within Marathon Community Park.

South Miami Heights Water Treatment Plant Project. Miami-Dade Water & Sewer Department (MDWASD).

Mr. Argudin was the Principal in Charge for the Construction Management Services contract for the new South Miami Heights Water Treatment Plant Project. The new 20 MGD water treatment plant project included the construction of the 5 MG reservoir, the high service pump station, and yard piping including a 36" DIP. The pump station work included the provision of all the necessary electrical components that were originally a part of the water plant.

Design Services for NW 7 Avenue (SR 7) Water Main Replacement North of NW 20 Street to NW 36 Street. MDWASD.

Mr. Argudin was the Engineer of Record for the 16" WM and gravity sewer system improvements required to be expedited due to the reconstruction of NW 7th Avenue by FDOT. The project went from start to 100% submittal, following the FDOT District 6 process, in two months. The work included utilities coordination, design, permitting, and post design services.

Kendall Drive 48" Force Main and Flagler Street 60" Force Main. MDWASD.

The project included a 48" FM along Kendall Drive and a 24" FM along residential roads that tied back to the 48" FM in Kendall Drive. Mr. Argudin was the Engineer of Record for the 24" FM and performed all the permitting for both the 48" and the 24" Force Mains. For the Flagler 60" Force Main, Mr. Argudin completed the permitting that included an aerial crossing of the C-4 Canal. He was also the Engineer of Record for a 10" Water Main that had to be relocated due to the construction of the 60" Force Main. These were consent decree projects that had a compressed schedule.

20" Force Main, St. Lucie County. General Development Utilities (GDU).

This project consisted of a study to manifold twelve pump stations and provide a transmission to the wastewater treatment plant and the design, permitting, and construction administration. The resulting 20" FM was approximately 5 miles long and had portions within the City of Port St. Lucie, unincorporated St. Lucie County, a portion within the Right of Way of S.R. 5/US -1 (FDOT), and a small portion in Martin County. The force main design included a subaqueous crossing, an aerial crossing, and the connection to the South Port WWTP head works.

General Engineering Services Consultant. General Development Utilities (GDU).

A.D.A. Engineering was the primary consultant for the design of pipelines and pump stations for GDU. Mr. Argudin was the Engineer of Record for over 100 miles of pipelines for water and sewer systems in several communities throughout Florida such as Port St. Lucie, Port Malabar, Port St. John, Julington Creek, Port La Belle, Port Charlotte, North Port, and Myakka Estates and over twenty sanitary pump stations. He also worked on projects at the South Port WWTP, West Port WWTP, and Water Treatment Plant (WTP) No. 2 in Port St. Lucie, the Port LaBelle WTP, and the Peace River WTP in De Soto County.

36" Interceptor Force Main. MDWASD.

This project included the relocation and upgrade to a Miami-Dade Water and Sewer Department force main due to the construction of the I-75 project adjacent to NW 138th Street in Hialeah. Mr. Argudin was the Project Engineer on the design and permitting of the 36" PCCP Force Main.

Districtwide Drainage Design & Plans Review Consultant. Florida Department of Transportation – District 6.

Mr. Argudin is the Principal-in-Charge and QA/QC Manager for this contract. Within this miscellaneous type contract, ADA is serving as a General Consultant for District 6, performing a variety of engineering assignments. The assignments associated with this project involve all aspects of Drainage Analysis and Design Services, Retrofitting Existing Drainage Systems, Permit Compliance, Hydrologic/Hydraulic Modeling, Bridge Hydraulics, Scour Analyses, Retention/Detention Pond, French Drain, Drainage Well Analyses and Design, Drainage Studies, and Urban & Rural System Design. ADA's contract responsibilities also include determining the current status of existing drainage systems resulting from meetings with District 6 staff in addition to field visits. Some of the projects under this contract include:

- Collins Avenue between Lincoln Road and 26th Street flooding assessments
- NW 84th Street and W 32nd Avenue (I-75 Frontage Road) Drainage Design
- Exfiltration Trench Design Handbook and ICPR Applications Manual
- NW 119th Street and N. Miami Avenue (Marathon Gas Station) offsite flooding
- City of Miami Drainage Improvements
- Collins at 93rd Street Drainage Improvements, Miami Beach, Florida
- Krome Avenue Drainage Design criteria for Design/Build District Contract
- Collins Avenue Pump Station Evaluation Report and Storm Sewer Pump Station design
- Harding Avenue Pump Station Evaluation Report and Storm Sewer Pump Station design
- Jewfish Creek Drainage Improvements at the Anchorage Resort and Yacht Club, Florida Keys

Districtwide Minor Projects. FDOT, District 4.

Mr. Argudin is the Principal-in-Charge and QA/QC Manager for this contract which entails the design and preparation of a complete set of construction contract plans for minor projects throughout District 4 in Broward, Palm Beach, Martin, St. Lucie and Indian River Counties. As part of this contract, ADA has worked on or is currently working on several projects including:

- SR 838/Sunrise Blvd Bridge over Middle River Street Lighting – Design services for replacement of roadway lighting due to the re-construction of the SR 838/Sunrise Blvd. Bridge over the Middle River
- SR 7 / US 441 at Riverland Road / SW 20th Street Safety Improvements at signalized intersection – Safety improvements for the intersection of SR 7/US 441 and Southgate Blvd., Broward County, FL. Project includes milling and resurfacing, closing of the median openings on the west leg of Southgate Blvd., installing high emphasis cross walks on all 4 approaches, new mast arm system, variable message LED signs facing right turn traffic in all 4 directions, a queue detection and motorist warning system, pedestrian countdowns, new stand-alone light-poles for the west side of the roadway, new light fixtures on the NE and SE corners of the intersection, and pavement markings
- I-595 Ramp to Ft. Lauderdale/Hollywood Airport High Friction Surface Treatment - Resurfacing of existing I-595 ramp to Fort Lauderdale Airport
- Temporary Assistance to District's Project Management
- Preparation of a Design Criteria Package To Implement an Intelligent Transportation System (ITS) Along SR 25/US 27 From I-75 to SR 80 –
- Scope History for FDOT Broward Projects – Conduct field reviews of ten FDOT roadway projects in Broward County to develop Scope Histories and Long Range Estimates (LREs)

Miscellaneous Minor Projects Contract. FDOT, District 6.

FDOT District 6 retained ADA to provide miscellaneous engineering design services within Miami-Dade and Monroe Counties for a period of five years. As Principal-in-Charge and Lead Engineer, Mr. Argudin was responsible for overseeing the roadway design, drainage design, pavement markings/signage, traffic control plans, lighting plans, signalization plans, administrative assistance, construction inspections, and plan examiner services during pre-construction, construction and closeout phases. Under this contract, ADA completed over 15 roadway related design assignments including:

- SR874 and Killian Parkway Ramp Widening – This project consisted of the modifications of the interchange of Killian Parkway with SR 874 (Don Shula Expressway) and SW 107th Avenue. As part of this project, Mr. Argudin prepared Roadway, Lighting, Pavement Markings and Signage & Signalization Plans. The work included the widening of two existing

- ramps and eliminating a third ramp. The work on the existing ramps included obtaining a design exception since they did not meet current design standards. Mr. Argudin also provided minor redesigns during the construction phase due to unforeseen utility conflicts. This project also included the construction of a new northbound acceleration lane on SR 874.
- SR953/E 8th Avenue/Le Jeune Road from E. 25th Street to E. 49th Street Resurfacing and Lighting Project – As part of this project, Mr. Argudin provided the RRR design for a two mile strip, and the improvement to two major intersections for better turning movements, traffic signal and street lighting design.
 - NW 27th Avenue and NW 103rd Street Intersection Improvements / Milling and Resurfacing / Signalization
 - SR5/US1 Biscayne Boulevard – Intersection Improvements including Milling and Resurfacing / Signalization
 - SR973/ Galloway Road at SW 128th Street – Intersection Improvements / Drainage / Milling and Resurfacing / Signalization

U.S. Highway 27. FDOT, District 4.

This project included the widening from two lanes to four lanes of a rural roadway in Palm Beach County. As Project Manager, Mr. Argudin was in charge of the design for major drainage improvements, including the relocation of the existing Miami Canal, pavement markings and traffic control plans.

Sunny Isles Causeway Roadway Project. FDOT D6.

Mr. Argudin was responsible for drainage design for the Sunny Isles Causeway project. The drainage system included a combination of French drains and weir structures to control the runoff disposal through sensitive mangrove areas.

Miscellaneous Design Consultant. Miami-Dade Expressway Authority (MDX).

This contract entails various projects in the MDX Work Program including roadway improvements, maintenance upgrades and rehabilitation, toll plaza renovations, toll lane conversions and landscaping. As the Principal-in-Charge, Mr. Argudin is overseeing or has overseen the projects below:

- SR 112 Milling, Resurfacing & Miscellaneous Upgrades from NW 21st Street to NW 27th Avenue Bridge (including a new Hestia Luminary Lighting System within the corridor)
- SR 112 Open Road Tolling (ORT) West of 32nd Avenue
- SR 112 Safety Improvements (lengthen the acceleration and deceleration lanes to the ramps west of NW 27th Avenue Bridge)
- SR 112 Off System Signage (design of advance signing to provide sufficient warning, guidance, and information to users entering the Open Road Tolling (ORT) facility of the tolling and the accepted payment methods)

Reconstruction of South Bayshore Drive. City of Miami.

This project is a reconstruction of a County Road being administered by the City of Miami. Mr. Argudin is the Principal-in-Charge for this project. During the initial contact with WASD, they indicated that they would like to upgrade an existing water main from 6" to an 8" line. There has been close coordination with the City and the County to bring both parties together in an effort to expedite an agreement to incorporate the design of the new water main as part of the roadway construction documents.

NW 87th Avenue and NW 33rd Street Intersection Improvements. City of Doral.

Mr. Argudin was the Project Manager responsible for managing the construction of this project. His responsibilities include general administration of the construction contract, review of the baseline schedule, overseeing ADA's Inspectors, processing contractor payment requisitions, shop drawings, RFI's and project close-out. The project scope include the widening of the roadway, new curb and gutter at the median, milling and resurfacing, striping and two new mast arms.

Tom's Harbor Channel Bridge Repair Project in Duck Key. Monroe County.

Mr. Argudin was the Project Manager for the bridge repair that included replacement of the bridge deck, repairs to beams and piles, relocation of an existing force main, and milling and resurfacing for the approaches. The Maintenance of Traffic (MOT) included a fully signalized intersection and widening of the southbound interior lane. The signal timing was closely coordinated with the Florida Department of Transportation (FDOT). The permitting included coordination with Monroe County, the Army Corps of Engineers (ACOE), Florida Department of Environmental Protection (FDEP), FDOT, and the Coast Guard.

San Marco Island Drainage Pump Station and Storm Sewer System. Capital Improvements Program City of Miami.

As part of the General Construction Engineering Observation Contract with the City of Miami (City), ADA provided staff to observe and document the construction of a new stormwater pump station with drainage wells and an overflow outfall to Biscayne Bay. The stormwater system also included French drain and gravity storm sewers. Roadway reconstruction was also included in the project scope. Mr. Argudin was the Project Manager on this contract and is responsible for managing the ADA staff, attending coordination meetings with the City, Contractor, and design professionals, reviewing payment requests, and schedule review.

Miscellaneous Stormwater / Road Improvements Professional Services. City of Miami.

Mr. Argudin was the Principal-in-Charge for the Miscellaneous Stormwater Sewer / Road Improvements Services contract. The scope of work includes road improvements such as pavement restoration, roadway milling and resurfacing, damaged curb and gutter replacement, damaged sidewalk replacement, new ramp construction and existing ramp correction and American Disability Act compliance, as well as swale rehabilitation of adjacent areas. As part of this contract, ADA is providing improvements to various streets within the City.

Tamiami Storm Sewer Improvements. City of Miami.

Mr. Argudin was the Principal for the Tamiami Storm Sewer Improvements CIP # B-50707 project to develop pre-design activities related with data gathering such as field visits, evaluation of the General Development Report information and review DERM'S approved Master Plan for Canal C-4 Watershed, all in support of the design of drainage improvements. Key tasks required as part of this project included site visits to determine the existing site conditions and assess road improvements; evaluation and proposal for new solution development of the basin; address and/or improve final design of specific watershed; utilities coordination; identify potential data gathering to improve project, including CAD files, electronic results of hydrologic models, as-built plans, topographic and flood maps and existing documentation with maintenance permits; and preparing construction drawings for paving, grading and drainage, and preliminary cost estimate and schedule for the proposed drainage improvements.

Canal Embankment Restoration Project - Fiscal Year 1. City of Doral.

Mr. Argudin was Principal in Charge for this project. These canals were identified in the ADA authored Canal Bank Stabilization Assessment Report which identified the conditions of the canal banks within the City, prioritized canal banks based on the level erosion, and outlined recommendations and planning-level costs to address critical erosion areas. The report helped the City of Doral in establishing a Canal Capital Improvement Plan (CCIP). ADA was responsible for the development of 100 percent design drawings, specification, and construction cost estimates for the canals showing high levels of erosion under Fiscal Year 1. This project also included a bike/pedestrian path at locations where right-of-way was available. The City's Canal Capital Improvement Plan was to be implemented in Fiscal Years 2009 through 2011. Mr. Argudin provided QA/QC support on this project.

C-8 and C-9 Basin Stormwater Master Plans. Miami-Dade County Department of Environment and Regulatory Affairs (PERA) formerly Resources Management (DERM).

Mr. Argudin was a Project Engineer for the C-8 and C-9 Basin Stormwater Master Plans (approximately 30 and 90 square miles, respectively). The C-9 Basin master plan was a pilot project to establish criteria and procedures for developing stormwater management plans for other basins in Miami-Dade County.

Homestead Regional Airport (HST) Surface Water Master Plan. MDAD.

The Homestead Regional Airport (HST) drainage area encompasses approximately four square miles (2,600 acres). Mr. Argudin was the Project Engineer for the development of the HST Surface Water Master Plan. This project included collecting and evaluating available stormwater infrastructure data to develop, calibrate and verify an ICPR hydrologic/hydraulic model. This model was used to evaluate pre-Hurricane Andrew conditions and design storm event to quantify the existing hydraulic capacity of the drainage system. The model was then used to evaluate drainage alternatives to support the proposed redevelopment of the HST.

STA No. 2 and STA No. 4. South Florida Water Management District.

Mr. Argudin provided peer review of the S.T.A. No. 2 and No. 4 projects. His primary review included the construction drawings for the levees, canals, pump stations, and control structures. His design experience has included canals, levees, control structures, stormwater management systems, and pump stations. This makes Mr. Argudin highly qualified to provide QA/QC services on stormwater management projects.

South Florida Water Management District (SFWMD).

Mr. Argudin was the Project Manager for the Civil/Structures Contracts for the new work initiatives. The work performed under this contract included studies, modeling, implementing measures for water conservation and supply in farms, minor structural work at major pump stations, and field work. One of the projects successfully completed under this contract was the Everglades Agricultural Area (EAA) Drainage Study. Mr. Argudin provided QA/QC reviews for the EAA and several other projects completed under this contract. Another major project was the study of the C-139 Basin. Relevant design experience for District work has included canals, levees, control structures, stormwater management systems, and pump stations for major developers such as the former General Development, Deltona, Gulf American and others. Mr. Argudin has been involved in major land development projects from the conceptual stage through construction.

General Civil and Stormwater Engineering Services Consultant. City of Lauderdale Lakes.

Mr. Argudin is the Principal-in-Charge for ADA's City of Lauderdale Lakes General Civil and Stormwater Engineering Services Consultant contract to provide miscellaneous drainage, water resources and civil engineering services for the entire City. Services have included planning, design, and permitting.

General Engineering, Architectural and Construction Management Services Consultant. City of Doral.

Mr. Argudin is the Principal-in-Charge for ADA's current General Engineering, Architectural and Construction Management Services Consultant contract. The scope of work includes roadways, drainage, structural, bridge, electrical, mechanical, traffic engineering, civil/site planning, water and sewer, environmental assessments and engineering, land use and zoning, architectural design and space planning, construction management, and project management.

Munisport Landfill Closure. Miami-Dade County Department of Solid Waste Management (DSWM).

Miami-Dade County and the City of North Miami currently have a Grant Agreement in place to fund the closure and remediation of the Munisport Landfill. ADA's role is limited to opinions based on accepted industry practices as well as regulatory agencies' permitting requirements. In addition, the scope of work also includes review of technical information for compliance with industry standards and acceptable practices, review of payment requisitions and review of the Engineer's opinion of probable construction cost. Mr. Argudin is the Principal-in-Charge and is responsible for allocation of the appropriate resources to the project and ensures the Client's overall satisfaction with ADA's services.

Federal Emergency Management Agency (FEMA) Master Consultant for Miami-Dade County Division of Recovery and Mitigation (DORM). Miami-Dade County Department of Environmental Resources Management (DERM).

Mr. Argudin has extensive experience in managing major civil engineering projects. For Miami-Dade County he was the Project Manager for one of the Master Consultants overseeing over \$800 million worth of claim work. The Master Consultant Team that Mr. Argudin managed oversaw over 30 professional and construction firms. For this program management contract, he was a key person in providing project assignments, selecting consultants, and establishing procedures. Other duties included plans review and construction administration. The engineering projects included both roadway and canal improvements. The roadway work consisted of road restoration, resurfacing and drainage. The canal work consisted of dredging and bank stabilization.

Miami-Dade County Debris Monitoring for the Redlands Area. Miami-Dade County Public Works and Waste Management Department.

Mr. Argudin was the Principal in Charge for the monitoring of debris collection in the Redlands due to Hurricanes Wilma and Katrina. He was responsible for making sure that all resources were made available to complete the work with over 40 monitors in one month. He assisted in coordinating the work with the Solid Waste Department, scheduling the work, and in the interview process to hire the monitors.

Debris Monitoring Services for Hurricane Katrina and Hurricane Wilma. City of Miami.

Mr. Argudin assisted ADA staff in this Disaster Recovery project and the Hurricane Debris Monitoring Services. ADA's staff was responsible for certifying the truck capacities, monitoring the pickup of debris in the field, oversight of field monitors, monitoring the tower at the debris transfer site, verification of contractor services, public relations and overall project management. ADA also provided a team of inspectors to perform an inventory of hanging limbs, fallen trees, and property damage within the City of Miami. This was documented using hand held GPS devices and laptops with Arc-GIS.

Program and Construction Management for Non-CERP Projects U.S. Army Corps of Engineers (USACE). Jacksonville District, Florida.

Mr. Argudin was the Principal-in-Charge on this contract. Projects included preparation of Project Management Plans (PMPs), Scheduling, and Project Review Board (PRB) Meetings Support.

Miami International Airport (MIA) Concourse H Terminal Improvements. Miami-Dade Aviation Department (MDAD).

Mr. Argudin participated in a drainage study for the terminal area basin at MIA for the Miami-Dade Aviation Department (MDAD). The study was required to analyze alternative routings of double 8' x 10' box culverts in order to reroute the existing canal to accommodate the construction of South Terminal and aircraft apron facility. Mr. Argudin was also involved in preparing construction documents and was the Engineer of Record for the double 8' x 10' box culverts and the site drainage work in addition to providing services during construction. The work had to be designed and scheduled so that the airport operations were not impacted.

Construction Inspection Services – South Terminal at Miami International Airport. MDAD.

ADA provided a team of construction inspectors to support vertical construction associated with the Terminal and associated Concourse. The South Terminal Program at MIA encompassed a new five-story terminal building with baggage areas, ticketing lobbies, airline offices, concessions, a new federal inspection facility and 15-gate, 360,000 square foot Concourse J facility. In addition, aircraft aprons, taxiways and associated infrastructure such as, drainage, paving, underground electrical, communications, sanitary sewer systems, pollution control systems, potable water supply, aircraft fuel hydrant systems, retaining walls, noise barrier walls, a new triturator facility and the main AOA vehicular access facility (S.E. Gate) encompassing state-of-the-art security systems to support the new facility was also included in the work. The \$1.1B facility covered approximately 1.5 million square feet including approximately 500,000 square feet of existing building renovation.

Tamiami Executive Airport (TMB) Runway Rehabilitation and Culvert Replacement. MDAD.

Mr. Argudin was the Construction Inspection Services (CIS) Principal on ADA's team for the Tamiami Executive Airport (TMB) Runway Rehabilitation and Culvert Replacement project. The \$3 million dollar Federal Aviation Administration (FAA) funded project at TMB consisted of the milling, resurfacing, grooving and striping of the three existing runways and a culvert replacement. As the CIS Construction Manager, he was responsible for reviewing the contractor's payment applications, reviewing the schedules, coordinating the location of asphalt cores with the inspectors and project oversight.

Jet Fuel Storage Facility Fire Protection System. MDAD.

Mr. Argudin was the CIS Principal on ADA's team for the Miami International Airport (MIA) Jet Fuel Storage Facility Fire Protection System project. The \$5 million dollar project included the refurbishment of existing fuel tanks, installation of new fuel tanks, utility connections and a new fire alarm system. As the CIS Construction Manager, he was responsible for reviewing the contractor's payment applications, cost control and providing oversight to ADA's staff.

New Northside Runway Project Book. MDAD.

ADA was engaged by Miami-Dade Aviation Department through Dade Aviation Consultants (DAC) to prepare the "Project Book" for the design and construction of a new runway at Miami International Airport (MIA). The intent of the project book was to serve as a planning tool to guide the selected Architect/Engineer of record in developing the schedule, cost estimates, design, including modeling of the Northwest Cargo Area and Terminal Area basins, and construction phasing of the New Northside Runway Project. The proposed project included the following improvements: new runway; new taxiway; reconstruction of existing taxiway; placement of one PAPI and one localizer at each end of the runway; construction of a new Northwest Airside Operations Access (AOA) Gate and reconstruction of the Interior Service Road; modifications of the existing midfield vault; and pavement removal, utilities removal and abandonment, utilities relocation, new utilities installation, expansion of drainage systems, and building demolition. As Project Manager, Mr. Argudin supervised the development and implementation of the project. The project development phase was divided in three parts. The first part included the preparation of the work plan. The work plan effort was followed by the development and implementation of the data management plan. The implementation of this plan required constant coordination with DAC's PM and technical staff to ensure that the appropriate information and analysis were provided in order to meet the scope of work requirements. Also, federal and state aviation laws and rules governing the construction of a new carrier runway were reviewed to ensure that the final design was consistent with existing laws and regulations. The final of the development process included analysis, development of preliminary cost estimates, proposed construction phases, preliminary drawings of the runway, and development of a preliminary proposed schedule for the project. The project included coordination with the DAC and MDAD staff and attending project meetings.

Dade-Collier Training and Transition Aviation Facility – Engineering and Environmental Services for Environmental Impact Approval and Vegetation Removal Permits. MDAD.

As Project Manager on this project, Mr. Argudin oversaw the study and environmental planning services to assist the Miami-Dade Aviation Department (MDAD) address Collier County "Vegetation Removal Application/Exotic Vegetation Removal Application Permit" requirements applicable to the Dade-Collier Transition and Training Facility. The purpose of the project was to evaluate the type of vegetation that would be impacted by the removal actions within the project boundary, which consisted of 300 feet north of the runway at both approach ends, and 255 feet south of the runway at both approach ends. The vegetation removal action was predicated on maintaining safe line-of-sight visibility during take-offs and approaches for landing of training aircraft, in addition to preventing obstructions to aircraft operations. ADA provided coordination with the MDAD staff; site visits during airport operations; meetings with the Collier County Community Development and Environmental Services Division; data collection; preparation of environmental documents; regulatory briefs (FAA and FDOT regulations related to airport hazards); and lead negotiators between Collier County General Counsel Office and MDAD.

Homestead Regional Airport (HST) Surface Water Master Plan. MDAD.

The Homestead Regional Airport (HST) drainage area encompasses approximately four square miles (2,600 acres). Mr. Argudin was the Project Engineer for the development of the HST Surface Water Master Plan. This project included collecting and evaluating available stormwater infrastructure data to develop, calibrate and verify an ICPR hydrologic/hydraulic model. This model was used to evaluate pre-Hurricane Andrew conditions and design storm event to quantify the existing hydraulic capacity of the drainage system. The model was then used to evaluate drainage system alternatives to support the proposed redevelopment of the HST.

Cargo Side Wharf Strengthening. Port of Miami.

Port Miami recently completed the reinforcing of the existing wharf prior to the much anticipated dredging of the Fisherman's Channel. The project will provide the Port with the ability to accommodate the Post Panamax Vessels. This project entailed assessing the condition of the existing facilities on the cargo side and preparing construction documents as well as providing limited construction phase services. The project was divided into the following phases: Data Collection/Site Investigation; Construction of Test Pits and Utility Verifications; preparation of contract documents and permitting and CEI. Mr. Argudin was the Construction Manager responsible for completing the construction of the exploratory test pits that served as an access point for the structural engineers to assess structural condition of the wharf's existing tie backs. A total of 4 test pits were performed within Wharf II and Wharf VI. ADA performed the actual construction and restoration of the pits including the roadway and striping, provided maintenance of traffic, and utility coordination.

Federal Emergency Management Agency (FEMA) Master Consultant for Miami-Dade County Division of Recovery and Mitigation (DORM). Miami-Dade County Department of Environmental Resources Management (DERM).

Mr. Argudin was the Contract Manager for the FEMA DORM Master Consultant project. The project consisted of countywide roadway reconstruction, roadway resurfacing and drainage improvements. Upon completion of the project, Mr. Argudin and the Construction Engineering Inspection (CEI) team managed approximately \$40 million dollars in construction costs. He was responsible for the cost control of the project, generated cost estimates for all the work to be performed at each site, and as part of the Quality Control Process, reviewed the designs to minimize constructability issues that could arise in the field. Periodically, he performed site visits to ensure that operations were going smoothly and verified that the proper traffic control devices were being utilized and that the proper safety measures were being implemented. He was also responsible for providing oversight of the inspectors that were managed by ADA.

Curtis Park Synthetic Turf Project. City of Miami.

ADA was selected by the City of Miami to provide design and construction management services. The project included the replacement of the sod field with a new synthetic turf system, new drainage system, relocation of the Track & Field activities, minor electrical improvements. Mr. Argudin was the Construction Manager responsible for oversight of the project and supervision of ADA's Resident Inspector. As part of its Construction Management services, ADA was also responsible for reviewing the contractor's monthly schedule updates for compliance with the contract documents.

ROSA BAZO

(786) 281-6778 e mail: rosabazo1@aol.com
3855 S.W. 128 Avenue - Miami, Florida 33175 – US

Registered Architect (AR0014707) - Interior Designer (ID0003947) –LEED AP BD+C LEED AP OM

Registered Architect, Interior Designer and LEED AP with exceptional design, supervisory and administrative skills. My diverse experience, architectural and construction competency and outstanding performance will provide your organization with an excellent candidate for your key position.

CAREER HIGHLIGHTS

Merritt Engineering Consultants, P.C. **Senior Project Manager**

Davie, Florida
August 2011 - Present

- Responsible for the design, preparation of working drawings, specifications and coordination of multidisciplinary teams.
- Review project plans, specification and shop drawings, as prepared by project consultants and engineers.
- Conduct periodic on-site observations of work during construction to monitor compliance with plans, specifications and applicable codes.
- Bid analysis, project administration and closeout.
- Property Condition Assessment Inspections.
- Assist owner in submitting the construction documents to the different government agencies for review, approval and obtain required permits.
- Analyze building and zoning codes, space and site requirements, other technical documents and reports to determine their effect on architectural designs.

Key Projects:

JPMorgan Chase Florida and TD Bank, inspection of multiple state wide facilities; develop construction documents and budget reports.

Humana Health, building property condition assessment inspections report to determine areas of potential repairs/replacement and prepare budget cost estimates, southeastern US.

Arlotta . Bazo & Associates, Inc. **Principal Architect**

Miami Lakes, Florida
January 1990 – February 2011

- Successfully completed the design, construction documents and performed construction administration for clients such as the Miami-Dade Parks & Recreation Department - Haulover Marina Dockmaster Complex, US Coast Guard - USCG Air Station Miami and numerous private clients. Design Built.
- Operate computer-aided drafting (CAD,)
- Assist owners in Public Hearings for zoning issues and prepared Administrative Variance documents for commercial and residential projects.
- Effectively supervised firm's daily operations and employees. Responsible for directing many of the financial affairs of the organization such as account payable, purchasing, account receivable, collection and treasury functions.

EDUCATION

University of Miami, Coral Gables, Florida

Bachelors of Architecture

University of Florida, Gainesville, Florida

Bachelors of Design in Architecture

AWARDS & PUBLICATIONS

Bill Bird Marina at Haulover Park, Miami Beach, Fl
Miami Dade Parks and Recreation Department
Principal Architect

Project completion date- July 2010

- Bill Bird Marina is the recipient of the 2010 National Marina Day (NMD), **Marina of the Year** award by the Association of Marina Industries.
- Bill Bird Marina is the recipient of the Associated Builders and Contractors Florida East Coast Chapter (ABC) **2010 Excellence in Construction Award Finalist.**

Commissioned by Miami Dade Parks and Recreation Department, the building consists of two stories. The Ground Floor contains a multipurpose room, laundry facilities, and restrooms. The marina offices and conference room are located on the second floor. The dockmaster building was designed and built in the Miami Moderne (MiMo) architectural design style and features design elements found on ships, such as windows resembling a ship's porthole, a front façade resembling a lighthouse, and other features. The total project cost for the dockmaster building was \$3.5 million.

Various Awards & Publications

- Florida Design Book, Pg. 8
- The Best of Florida Design Book, Pg 230
- Florida Interiors & Architecture Book, pg 16
- Casa y Estilo Magazine
- Builders Association of South Florida FAME Award 1992 Gold, Silver and Bronze
- Best of Real Estate-Best Custom Architects by the Sun Post, July 2004

BARRON CHANNER

EXPERIENCE

BACH REAL ESTATE

Chief Executive Officer

Miami, FL
2012 - Present

- Manage program to source and engage local subcontractors for 185-acre, \$1 billion master development in Miami-Dade
- Coordinate site acquisition and pre-development activities for \$300 million mixed-used development in Downtown Miami
- Provide development advisory services to national non-profit, for relocation to Broward County, including site selection, team development, project planning/budgeting and government negotiations.

THE PEEBLES CORPORATION

Vice-President, Acquisition & Development – Eastern US and Caribbean

Coral Gables, FL
2003 - 2012

- Coordinate investment activity in Eastern US and Caribbean regions
- Source, negotiate and structure investment opportunities; hotel, land, office, multi-family and mixed-use
- Manage investment analysis including IRR analysis, cost budget projections and operating pro-forma
- Facilitate strategic relationships including capital markets, real estate industry and government
- Representative activities:
 - Created investment analysis modules utilized across firm
 - Developed investment strategy and pitch materials for real estate private equity fund
 - Led pre-construction activities for resort residential development in Florida Keys including entitlement, architectural design and marketing
 - Undertook asset management for third-largest hotel in Miami Beach resort district
 - Coordinated firm participation in winning bid for public-private, casino gaming solicitation in New York City
 - Managed development of conceptual plan and RFP submission for major transit-oriented development
 - Negotiated development agreement with City of Detroit for historic building renovation
 - Sourced buyer and negotiated record sale of large, resort hotel in Miami Beach, Florida

XAYMACA GROUP

Founder, Principal

Miami, FL
2001 - 2002

- Provided technology strategy and implementation consulting services to clients

BREAKAWAY SOLUTIONS, INC.

Team Lead, Technology

Fort Lauderdale, FL
1999 - 2001

- Led various project teams and mentored junior employees for a leading technology strategy and consulting organization focused on implementing business-to-business technology solutions

INNOVEX GROUP, INC.

Consultant, Technology

Miami Lakes, FL
1998 - 1999

- Information systems integration and e-business development for a leading technology firm, later merged with Citrix Systems

ACCENTURE (formerly Andersen Consulting)

Analyst, Technology

Miami, FL
1997 - 1998

- Developed system-wide, stress test methodology for ERM software rollout of global, chemical company

EDUCATION

THE WHARTON SCHOOL, University of Pennsylvania

Master of Business Administration, Real Estate concentration

Philadelphia, PA
May 2004

RENSELAER POLYTECHNIC INSTITUTE

Bachelor of Science - Cum Laude, Computer and Systems Engineering

Troy, NY
May 1997

ADDITIONAL INFORMATION

- Boards: Knight Foundation – Miami Advisory Council, Perez Art Museum Miami, Baptist-South Miami Hospital, The Miami Foundation and The American Friends of Jamaica
- Honors: Power Leaders in Commercial Real Estate (South Florida Business Journal, 2013-2016), Entrepreneur of the Year (Legacy Magazine, 2014) and Rising Star (Miami-Dade Chamber of Commerce, 2015)

Adebayo Coker, P.E.

President



Current Role:

President HBC Engineering Company:

He currently serves as Principle in charge of HBC Engineering Company's (HBC) Miami office. His primary responsibilities include management of the Miami office and supervision of the design, quality assurance/quality control, Transportation Planning and Statistics and Traffic Operations units.

Key Qualifications

Mr. Coker is a transportation engineer with over twenty three years (23) of responsible and diversified experience in the planning, design and construction management of major FDOT and Miami-Dade transportation projects. His particular areas of expertise are in production and management of all phases of roadway design projects including preliminary and final design of limited/controlled access highways and freeways; Signalization, Pavement Signing & Markings, MOT, Rural and Urban Resurfacing, Restoration and Rehabilitation (RRR) projects; and construction engineering inspection (CEI). He has provided technical leadership on a number of public and private sector projects taking numerous projects from the planning phase through design, construction and post design services. He has been responsible for coordination with clients, sub consultants, permitting agencies, between project disciplines, implementation of effective quality control and quality assurance plan (QA/QC) and the supervision of project personnel on major projects. Other relevant experience include soil, foundation and materials testing; plan and quality assurance reviews; design of storm sewer systems; and facilities management including structural and roof inspections and testing.

Relevant Experience & Accomplishments

- Recipient of FDOT District 6 Excellence in Highway Design Award
- Successfully coordinated the development of over 200 million dollars of roadway design projects. Increased production to deliver over seven design projects in less than two years.
- Consistently received construction grading (CEI) of 98% for plan accuracy and post design services and construction inspection
- Served as FDOT 6, Project Development Engineer from 2006 to 2008.
- Directed PD&E projects from simple Programmatic Categorical Exclusion to Environmental Impact Statement.
- Successfully coordinated, directed, and managed FDOT 6 Emergency Operations Center team consisting of over 20 volunteers from 2003 through 2006.

Representative Projects

SR 821 HEFT Road Widening from SW 72nd Street (Sunset Drive) to SW 40th Street (Bird Road) – Signalization & Utility Relocations, FP ID Nos. 427146-1-56-01 and 427146-1-52-01 FDOT District 6, Miami, Florida, Project Reference: Stephanie Sharp (Tel: 407 384 4412) Project Manager for signalization improvements at eight(8) SR 821 intersections. Design includes new signalization loops and assembly, new and relocated

Years of Experience

23 (7 years with HBC, 14 years with others)

Work History

HBC Engineering Company
2008 – Present

FDOT District VI
1996 – 2008

CTQP Reg/Cert.

QC Manager
Asphalt paving levels I&II

Education

B.S., Civil Engineering,
Florida International University, 1992

Professional Registrations

Professional Engineer:
Florida, 2000 (55322)

Office Location

13155 SW 134th St.,
Suite 207,
Miami, FL 33186

signal heads, pedestrian heads and detectors, sign panels including internally illuminated signs, video monitors, new mast arms, and traffic controller assembly. Also Project Manager for utility line relocation of MDWASD's 2,500 feet of 8" water and 900 feet of 4" sewer lines with HHDD under Bird Road Canal due to the widening of the SR 821 segment. FDOT has JPA with MDWASD. Part of design build team of MCM-Gannet Fleming.

SW 30th Avenue from Griffin Road to SW 45th Street 821 RRR, FP ID No. 431757-1-52-01, FDOT District 4, Broward County, Florida, Project Reference: Brent Lee-Shue-Ling, PE (Tel: 954 777 4075) Project Manager for RRR, designing for ADA compliance, widening to add sidewalk, lighting, minor drainage adjustments, MOT and extensive utility coordination. Signalization improvements from at four Griffin Road to SW 45th Street. Design includes new signalization loops and assembly, signal heads, pedestrian heads and detectors, sign panels including internally illuminated signs, and traffic controller assembly, new mast arms. Existing traffic controllers were modified with new concrete poles and aluminum pedestals

NW / SW 12TH AVE. FROM SW 13TH TO NW 7TH STREET, FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), DISTRICT 6, MIAMI-DADE COUNTY, FLORIDA, PROJECT REFERENCE: HAROLD DESDUNES, P.E. (TEL: 305 470 5271) Served as Project manager for a RRR Milling and resurfacing project with slope correction, drainage, traffic calming, ADA sidewalk construction. The construction cost of the project was \$7,294,000. Responsible for the design and preparation of construction plans including roadway plans, signing & pavement marking, MOT, drainage, cross sections, signalization, grading, and traffic calming bulbouts. Mr. Coker worked to resolve safety issues and played a significant role in alleviating unforeseen drainage issues during construction. *Duration: 8/2005 – 4/2007*

SR 7/NW 7th Avenue from NW 118th Street to NW 131st Street, FP ID No. 428054-1-52-01, FDOT District 6, Miami-Dade, Florida, Project Reference: Jose Barrera, PE (Tel: 305 470 5260) Project Manager for MOT and signalization improvements at four SR 80 intersections at NW 119th and NW 125th Streets. Design includes new signalization loops where left lane ones deviated from FDOT standards but followed Miami-Dade, new and relocated signal heads, new pedestrian heads and detectors, sign panels including internally illuminated signs, and new traffic controller assembly, new aluminum signal pole and pedestal, new 60 feet steel mast arm, dynamic message sign structure. Existing traffic controllers were modified. Conduits are installed by both open trench and directional bore with new concrete poles and aluminum pedestals
Duration: 2011 – 2013

North East Transit Hub Enhancements at 163 Street Mall, Miami-Dade Transit, Miami-Dade County, Florida: Project Reference: Orlando Capote (Tel: 786 469 5248) Served as Project Manager for the reconstruction of NE 167th Street from NE 14th Avenue to NE 15th Avenue and also reconstruction and milling and resurfacing of NE 15th Avenue from NE 164th Street to NE 167th Street. Responsible of the preparation of construction documents, technical specifications, estimate of construction cost, dry run permitting, bid and award Services and design services during construction. Design elements included pavement, drainage, roadway and pedestrian lighting, signing and pavement markings, signalization, landscaping, MOT, and utility coordination. Performed coordination and presentations with agencies and organizations, including but not limited to, Miami-Dade Transit, (MDT), Miami-Dade Public Works and Waste Management (MDPWWM), TARC, Florida Department of Transportation (FDOT), The City of North Miami Beach, appropriate permitting agencies and committees, 163rd Street Mall and Wal-Mart. *Duration: 2/2013 – On Going*

Dadeland South Parking Lot Expansion, Miami-Dade Transit, Miami-Dade County, Florida: Project Reference: Orlando Capote (Tel: 786 469 5248) Performed site planning for the design of the parking lot expansion with over 98 parking spaces and the existing parking lot with over 180 parking spaces. Designed paving, grading, lighting, and drainage systems. Laid out the concept plans and ADA accessibility route for the entire parking including the existing lot. Prepared drainage report, pavement design, direction driveway access design, MOT and coordinated the dry run permitting and landscape design. Water quality attenuation was provided through exfiltration trench. Performed drainage calculation and generated drainage report. He performed the permitting process with DERM, FDOT, MDPWD and Miami-Dade County Building Department. *Duration: 2/2008 – 8/2009*

NW 36th Street Bridge Between Lejeune Road (NW 42nd Avenue/State Road 953) And Okeechobee Road (Us 27, State Road 25) Mot, Florida Department Of Transportation (FDOT), District 6, Miami-Dade County, Florida, Project Reference: Daniel Iglesias, P.E. (Tel: 305 470 5289) Served as Project Manager to perform MOT for the proposed bridge improvements i.e. converting the existing 4 lane bridge to 5 lane divided bridge, two lanes eastbound and three lanes westbound. FDOT plans to close the bridge to expedite the construction. Prepared the Maintenance of traffic and Detour Plans and construction documents for the roadway closure. Performed analysis of a maximum three viable detour alternatives and produced one complete set of MOT documents for the preferred MOT alternative to close NW 36th Street for a maximum of 6 months. *Duration: 10/2010 – 10/2013*

Biscayne Boulevard – From NW 37 Street to NW 87 Street – Responsible for the design of the horizontal and vertical alignment, storm drainage system, cross sections, drainage structures for the proposed reconstruction project (1.2 miles). Project required very complex public involvement and coordination with community groups. Project also involved the generation of roadway, signing and pavement, lighting and traffic signal component plans.

I-595 Corridor Roadway Improvements Project, AECOM/Florida Department Of Transportation (FDOT), District 4, Broward County, Florida: Project Reference: Rey Rivas, P.E. (Tel: 305 594 0457) Performed interdisciplinary coordination of structural, geotechnical, utilities, drainage, MOT, SUE, and surveying for this Private-Public Partnership project (P3) which extends from I-75 to I-95. The project length was approximately 14 miles. Reviewed engineering design plans for roadway, utilities, drainage, ITS, signalization, structures, TCP and lighting. Coordinated and scheduled survey, geotechnical, CCTV, and SUE field activities. Oversaw project scheduling, cost estimate, weekly design meeting, permits, landscaping, roadway, ITS, Geotechnical reports, miscellaneous structures, bridge, emergency access gate design, power design plan submittal packages. Attended meeting with local municipalities and permit agencies to present project and report status. Performed public involvement and attended public meetings. Supervised design activities and coordinated personnel. *Duration: 3/2009 – 02/2014*

US-1 – From SW 112 Street to SW 266 Street – Assisted project engineer to generate cross sections and drainage structure sheet (5.1 miles). Project required the generation of roadway, signing and pavement, drainage cross sections, lighting and traffic signalization component plans. Project required special utilization of the existing concrete pavement by process known as Cracking and Resetting. The process utilizes the cracked existing concrete pavement as part of the stabilization layer of the new roadway bed.

Intersection Improvement Miami Gardens Drive and Biscayne Blvd, in City of Aventura, FL. Project Engineer for the Improvement of the existing northbound double left on Miami Gardens drive to triple left, addition of the southbound channelization lane (i.e. "Turbo Lane") to westbound Miami Gardens Drive, design of traffic signal with railroad signal actuation, maintenance of traffic plans, and provision traffic calming devices for lane delineation and protection of the motoring public. Project involves the generation of roadway, signing and pavement, drainage, lighting and traffic signal component plans. Project required coordination with utility companies and the Florida East Coast rail company for the design of proposed rail road gates.

Miami Gardens Drive – From NW 14 Ave to US 441 – 1.5 miles of resurfacing, restoration and rehabilitation (RRR) project. Task included site investigation, obtaining topographical surveys, coordination of relocating existing utilities, pavement design, signing and pavement markings, drainage systems, pollution controls, traffic control plans, permits, determination of construction easement requirements, public involvement, construction details, cost estimates, specifications, and constructability and bid documents.

MIA 790B/Central Base Gate/Jai Alai Site, MIA, Miami, Florida: Project Manager for the conceptual design of parking lot and staging facility for contractors working on the North Terminal Expansion project. Mr. Coker was responsible for the preliminary design of the proposed parking lot and staging areas. He provided cost estimates and preliminary alternatives for roadway design for the main gates entrance for contractors working on the North Terminal projects

Collins Avenue – Lincoln Road to NE 26 Street – 0.8-mile total reconstruction project required correction of the existing parabolic crown and detailed analysis for the maintenance of traffic. Project required a very detailed detour and drainage plan and was heavily influenced by public involvement. Numerous meeting were held with local business and homeowners associations. Project impacted on street parking and thus required coordination with the City's Parking authority. This project included the design of roadway, signing and pavement marking, lighting, signalization, landscaping, Water and Sewer Improvements, and TMS (Traffic Monitoring Site) component plans.

Ingraham Highway (SR-9336) – 7.0-mile RRR milling and resurfacing project. Design included roadway alignment with cross slope corrections, environmental assessments of project impact on the adjoining Everglades National Park, and construction of new shoulder pavement. Other significant tasks in the design included traffic control, and signing and pavement marking plans.

PERSONAL RESUME



A&P CONSULTING TRANSPORTATION ENGINEERS, CORP

CARLOS M. GIL-MERA, P.E., C.G.C

10290 SW 62nd Street

Miami, Florida 33173

Phone: 305-525-3915

Email: cmgil@apcte.com

VICE-PRESIDENT APCTE

Professional Experience:

More than 30 years of Roadway and Infrastructure design experience

Registration:

1991, Florida Professional Engineer No. 43953

1992, Florida Certified General Contractor CGC 56647

1996, Florida Certified Roofing Contractor CCC 57474

1997, State Certified Underground Utility and Excavation Contractor CUC 56977

Education:

Bachelor of Science - Civil Engineering, April 1986

Florida International University, Miami Fl.

Work Experience:

Principal / Project Manager

December 2000 – Present A&P Consulting Transportation Engineers (APCTE)

Roadway Design Project Manager

Jan. 1999 – Nov. 2000
FDOT - District VI, Miami

Project Engineer

Oct. 1989- Dec. 1998
FDOT - District VI, Miami

PE Trainee

Sept. 1987- Oct. 1989
FDOT - District VI, Miami

Mr. Gil-Mera brings over 30 years of experience in the Design of Highway Facilities and Infrastructure Projects. He spent the first fifteen years of his career working for the Florida Department of Transportation (FDOT) District VI internal design office on the production of roadway plans including minor design and major reconstruction projects. During the last two years of his career at FDOT, he worked as District VI Roadway Design Project Manager where he was head of an Internal Design Team working on a large number of milling and resurfacing and reconstruction projects. As one of the principals of APCTE, Mr. Gil-Mera has designed and managed numerous transportation projects for multiple governmental and private clients.

Throughout his professional carrier, Mr. Gil-Mera has received multiple awards from several organizations including the 1987 Outstanding Young Men of America given in recognition of outstanding professional achievement, superior leadership ability and exceptional service to the community; the 1993 FDOT District VI Davis Productivity Award, a privately funded program administered by Florida Tax Watch in partnership with the Florida Council of 100 to recognize and reward Florida State Government employees whose work measurably increases productivity and promotes innovation; and the 2013 Who's Who Honors given to those individuals who have demonstrated leadership and achievement in their profession.

Mr. Gil-Mera is an active member of the American Society of Civil Engineers (ASCE), The Florida Engineering Society (FES) and the Cuban-American Association of Civil Engineers (C-AACE). From 2009 to 2011 Carlos was the President of the C-AACE.

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KEY PERSONNEL RESUMES

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A&P CONSULTING TRANSPORTATION ENGINEERS, CORP

CARLOS M. GIL-MERA, P.E., C.G.C.

DARRYL HOLSENDOLPH

PRESIDENT /CEO, HOLSEN INC.

Darryl serves as PRESIDENT / CEO of Holsen Inc. a promotional products and special event concessions company based in Miami, Florida. His company has over 24 years of experience in providing promotional products, procurement services, graphic design, screen-printing, embroidery, product development, product sourcing, and special event merchandise and food concessions for area event promoters and sports franchises. Holsen Inc. also develops online stores and provides fulfillment services for its contracted events and clients. The online services include an interactive catalogue that has over 50,000 promotional products and corporate premium gifts.

Darryl's experience in special events and merchandising management for professional sports franchises such as the Miami Heat, Florida Marlins, Florida Panthers, and Miami Dolphins has his company recognized as one of the premier special event concessions companies in South Florida. Darryl's success in the 1995 NFL Merchandise incubator program catapulted his company as the premier one-stop shop for special event concessions. The duties associated with these types of event contracts included developing and managing of all aspects of a purchasing of product, merchandise distribution, internet fulfillment, event staffing and managing retail locations at select area hotels, airport gift shops, media events, and special VIP functions.

Having successfully negotiated contracts with the National Football League as one of the concessionaires for the annual Super Bowl, the Super Bowl Host Committee's minority business enterprise program, the Orange Bowl Committee's annual Orange Bowl, and several Collegiate National Championships, Darryl has attained what very few minority companies in the country have been able to achieve in the special event concessions industry. Mr. Holsendolph's company has small business certifications as a Disadvantage Business Enterprise (DBE), Small Business Enterprise (SBE), Minority Business Enterprise (MBE), and Local Business Enterprise (LBE) for several state, federal and local governmental agencies. Darryl has received numerous awards for his success and business accrument and was honored by the Miami Dade Chamber of Commerce as "**The 2008 Small Business of the Year.**" Mr. Holsendolph was also honored as the "**2012 JM Family African American Achiever**" for Business.

Darryl lives by the creed that "to whom much is given much is required". In the highly competitive multibillion dollar special event concessions industry countless barriers temporarily stalled his progress but never Darryl's will to push for fairness. Darryl realized years ago that pushing forward in this business required perseverance. Thus, his unique status as one of very few minority special event concessions providers propels him to "leave his community a better place than when he found it." Being a catalyst for securing more opportunities for minorities in the special event industry, he shares the rewards of his progress through philanthropic endeavors, through training the next generation of entrepreneurs, and by volunteering his time.

Mr. Holsendolph is the 2nd Vice President of the Miami Dade Branch of the NAACP where he serves as the Economic Development Chairman. He is also a member of the National Action Network of South Florida; he is the former Chairman of the Miami Dade Public Schools Community Assessment Team (DCAT). He is an active member of both the Miami Dade Miami Chamber of Commerce and ICARE (Inner City Alumni for Responsible Education) ; He is the former Vice Chairman of the City of Miramar's Economic Development Advisory Board. A STRONG ADVOCATE for disadvantaged youth, Mr. Holsendolph is a partner in education for the Miami Dade County School District where he sits on several Exceptional Education Student Academic Committees (EESAC). His company supports a number of non-profit organizations which include several area youth football leagues.

Darryl is married to the lovely Christie Holsendolph, his life and business partner, and is the proud father of sons, Jordan and Jarvis. Mr. Holsendolph attended the University of Miami and is a proud member of the 100 Black Men of South Florida and the Omega Psi Phi fraternity.

Darryl Holsendolph

Objective

To establish Holsen Inc. Enterprises as a premier Marketing, Merchandising and Concessions company; with a dual emphasis on consulting ,partnering and advocating with businesses seeking to get involved in South Florida's economic opportunities.

Qualifications

Outgoing, confident individual who enjoys challenges and has the ability to communicate in group settings and on a one-to-one basis. Dependable, organized and resourceful community advocate. .

1991-Present Holsen Inc. Enterprises Miami , Florida

President/CEO

- Responsible for managing 18-25 retail gift-shops and staff of 60 employees during special events at select venues and events throughout the southeast region of the United States.
- Responsibilities also consist of completing evaluation for employees, and written assessments of each special event.
- Duties also include attending regional special events, industry conventions and trade show to negotiate pricing and merchandise contracts for select corporate customers.
- Primary responsibilities include developing operation plans, event retail site selection, product selection for food & beverage clients, the design, the manufacturing of embroidery, and screen-printed apparel and souvenir items.
- Oversight and execution of various Municipalities, Federal, State, County, City and private sector contracts.

Organizations

2009-Present NAACP-Miami Dade Economic Development Chairman
2001-Present Dade Partner- Miami Dade County Public Schools
2010-Present ICARE Executive Board
2002-Present Greater Miami Chamber- of Commerce member
1983-Present Omega Psi Phi Fraternity
2010-Present 100 Black Men of South Florida

Education

1981-1984 University of Miami Coral Gables, FL

Gordon "Eric" Knowles

1093 NE 204 Terrace
Miami, FL 33179

Cell: 954-445-1226
g.ericknowles@gmail.com

Executive Profile

Sr. Executive with extensive experience creating strategic alliances in both the public and private sectors. Operations, event planning and execution, community building, employee training, and customer service expertise. Outstanding communication and presentation skills.

Skill Highlights

- Community Outreach
- Customer Relations
- Public Relations
- Government Relations
- Project management
- Leadership/communication skills
- Business operations organization
- Operations Management
- Team Leadership
- Vendor Negotiations
- Event Management and Promotion
- New Business Development
- Marketing
- Budget Administration

Project Management:

- Managed 72,500 person facility (Sun Life Stadium, home of the Miami Dolphins and former Florida Marlins)
- Managed tenant relations that included the Miami Dolphins, Florida Marlins, Orange Bowl Championship, and related events.
- Responsible for training and overall management of 3500 game day employees.
- Directed all Government Affairs as it pertained to Sun Life Stadium and the Miami Dolphins

Core Accomplishments

Professional Experience

President & CEO

Miami-Dade Chamber of Commerce

Accountable for the operations of the organization on a daily basis

05/12/2014 -
Present

Sr. Director of Government Affairs

Sun Life Stadium & The Miami Dolphins

Accountable for all communication between elected officials, and execution of various initiatives with multiple municipalities in the South Florida.

05/2008 - 12/2012
Miami Gardens, FL

Sr Director Of Community Relations

Sun Life Stadium

Responsible for community outreach in Miami Dade and Broward Counties.

01/2004 - 04/2008
Miami Gardens, FL

Sr. Director of Operations

Dolphins Stadium

Responsible for overall communication with tenants including the Miami Dolphins, Florida Marlins, Orange Bowl, Miami Dade High School Athletic Department.

Responsible for negotiating vendor contracts.

Developed and managed annual operating budget.

Oversaw daily schedule of stadium \$350,000,000.00 building renovation.

01/2000 - 04/2004
Miami Gardens, FL

Sr Director of Guest Services

Pro Player Stadium

Responsible for training over 3500 game day employees. . Responsible for creating training program and execution and scheduling of training program. Developed, implemented and monitored programs to maximize customer satisfaction and manage on-site customer service representatives. Addressed negative customer feedback immediately. Effectively communicated with team members to maintain clearly defined expectations. Generated and distributed daily reports and order acknowledgments to appropriate personnel.

11/2001 - 04/2004
Miami Gardens, FL

06/1999 - 09/2001
Miami Gardens, FL

Director of Marketing Caribbean

American Airlines

Responsible for communication with Government officials and tourism departments throughout the Caribbean basin.
Responsible for developing and implementing marketing strategies to increase capacity between the US and the Caribbean.

05/1997 - 06/1999
Miami, FL

Director of Community Relations

Pro Player Stadium

Collaborated with community leaders, organizations and public agencies to promote the organizations community service programs.

Responsible for all public relations communications and outreach.

Education

Bachelor of Science: Florida International University - Merchandising/Marketing
Miami, FL, United States

1982

Miami, FL

United States Army

1973-1976 Honorable Discharge

Collaborated with community leaders, organizations and public agencies to promote the organizations community service programs.

Responsible for all public relations communications and outreach.

Education

Bachelor of Science: Florida International University - Merchandising/Marketing
Miami, FL, United States

1982

Miami, FL

United States Army

1973-1976 Honorable Discharge

Godfrey A. O. Lamptey, P.E., PTOE

Vice-President

Mr. Lamptey has been actively involved in research and the practice of transportation planning and engineering for over 15 years. He has extensive experience, particularly, in the areas of transportation planning, project development and NEPA studies traffic operations and safety, and highway design. He also has extensive expertise in the analysis of transportation networks for congestion and safety management, multi-criteria optimization and decision-making under various budgetary scenarios. He is proficient in the use of several traffic engineering software such as HCS 2010, CORSIM, TRANSYT-7F, SYNCHRO, SIMTRAFFIC, VISSIM, and LOSPLAN. He has been the Project Manager and Lead Engineer on several Transportation Planning Studies, Project Development and Environment Studies, Traffic Operations and Signalization Studies as well as Highway Design projects.

Project Experience

Golden Glades Interchange PD&E Study (SR 826 EB to I-95 NB), Miami-Dade County, Florida, FDOT-D6, (2011 – 2014)

Project Manager and Lead Technical Engineer for the development of this two stage PD&E Study. The Golden Glades Interchange is of regional importance providing connectivity to six major principal arterials and/or limited access expressway facilities including I-95/SR 9A, SR 9, SR 91/Florida's Turnpike, US-441/SR 7 and SR 826/Palmetto Expressway. The first stage is to evaluate a new direct connect ramp from SR 826 EB to I-95 NB as well as various operational improvements to the various interchange internal ramp systems. The second Stage is to develop a Master Plan that incorporates these improvements in addition to the development of a direct connect elevated managed lanes connection to and from SR 826 to and from the north connecting to the I-95 elevated flyover express lanes. Responsibilities included EOR for Interchange Modification Report (IMR), geometric design of interchange alternatives, preparation of Preliminary Engineering Report and conceptual plans.

Corridor Length: 10 miles, Reference: Dat Hunyh, P.E., 305-470-5217.

Dolphin Station Park-And-Ride / Transit Terminal Facility Project Development and Environmental (PD&E) Study, Miami-Dade County (June 2015 to Present)

Project Manager for the Dolphin Station Park-and-Ride PD&E Study in Miami-Dade County. The project involved the development of multimodal transit hub for Miami-Dade Transit to Support SR 836 Express Bus Service and potential future east-west commuter rail service on CSX. The Dolphin Station Park-and-Ride/Transit Terminal Facility provides a viable commute alternative for transit riders to access major employment centers of Miami-Dade County. This fast tracked project with both PD&E and RFP development was completed in 8 months. Responsibilities included traffic operational analysis using SYNCHRO and VISSIM, safety analysis, development of Design Traffic Technical Memorandum, and development of PD&E Concept Plans and preparation of PEIR and PER. Preparation of Design-Build RFP package including Plans and Criteria package and Coordination with FDOT, MDCPWD, MDT, Turnpike, SFWMD, and CSX.

Corridor Length: 1.6 miles, Reference: Kevin Brown, P.E. (305) 222-1443.

SR 90/SW 8th Street at SR 973/SW 87th Avenue PD&E Study From SW 92nd Avenue to SW 82nd Avenue, Miami-Dade County, Florida (February 2015 to Present)

Lead Traffic Engineer and EOR for the SW 8th Street PD&E Study to develop and evaluate alternatives to improve overall traffic operations at the existing at-grade intersection of SR 90/SW 8th Street and SR 973/SW 87th Avenue. The project will enhance east-west access between two primary north-south transportation corridors (SR 821/HEFT and SR 826/Palmetto Expressway) as well as improve regional connectivity from Miami-Dade County mainland to the employment centers and Downtown Miami, as well as to the coastal communities/tourist destinations on the east coast. Responsibilities include Travel demand forecast using SERPM 7, Intersection capacity for 7 signalized intersections using SYNCHRO 9, VISSIM microsimulation analysis to compare network operation for proposed grade- separation improvements.

Corridor Length: 2.5 miles, Reference: Maria Perdomo, P.E., (305) 640-7558



Years of Experience

15

Work History

GOAL Associates Inc.
(Miami Lakes)
2014 – Present

Stantec Consulting Services
(Coral Gables)
2012 – 2014

C3TS PA
(Coral Gables)
2005 - 2012

Precision Engineering Inc.
(Doral)
2004-2005

Education

Master of Science in Civil
Engineering, 2004
Purdue University, West
Lafayette, Indiana,

Bachelor of Science in Civil
Engineering, 2001
University of Science &
Technology, Kumasi, Ghana,

Registration

Professional Engineer
Florida No. 68261, 2008

Professional Traffic
Operations Engineer
Florida No. 2713, (2009)

Awards

Unilever Excellence Award for
the Overall Best Graduating
Student (2001)



Villagewide Traffic Calming Master Plan, Village of Key Biscayne, Florida (2012-2014)

Project Manager and EOR for development of a Traffic Calming Master Plan for identified roadways within the Village. The project involved field review to observe the prevailing traffic patterns within the Village, coordination of traffic data collection efforts to develop the existing Annual Daily Traffic (ADT) volumes and 85th percentile speed along the identified roadway segments, level of service analysis for the roadway segments as per the Highway Capacity Manual, recommendation for additional traffic calming devices which includes analysis of the type of device to be used (speed table, mini-roundabout, diverter island or choker) and location, evaluation and prioritization and preparation of guidelines for the Village of Key Biscayne to use for appraisal of traffic calming requests from residents to provide clear direction on the types of traffic calming measures to be considered and appropriate circumstances for their use.

Review of Traffic Impact Studies and Plans for City of Coral Gables - Village of Pinecrest, Village of Key Biscayne, Florida

Project Manager for review of traffic impacts studies for various developments within the City of Coral Gables, Village of Pinecrest and the Village of Key Biscayne. The purpose of these reviews is to ensure that the developers adhere to the municipal codes and comprehensive plans and also provide appropriate mitigation for any potential traffic impacts. As part of this task, the firm serves as an extension of the city or village staff and provides traffic comments and suggestions based on the traffic impact studies submitted by developers. Some of the recent traffic impact reviews completed by the firm include: Traffic Impact Study Review for Merrick Manor Development – City of Coral Gables; Matheson Hammock Dry Boat Storage Traffic analysis Methodology Review – City of Coral Gables; Traffic Impact Analysis Review for Former Sonesta At Key Biscayne – Village of Key Biscayne; Traffic Impact Study Review for Somerset Academy at Crossbridge - Village of Pinecrest.

University Drive PD&E Study from Cardinal Rd to Sawgrass Exwy, Broward County, Florida, FDOT-D4, (2013 – 2014).

Project manager and EOR for the preparation of a Design Traffic Technical Memorandum (DTTM), to widen this segment of University Drive from 4 to 6 lanes within the City of Coral Springs, in Broward County Florida. Responsibilities included traffic operational analysis for signalized intersections and arterial segments using SYNCHRO 8, determination of queue lengths and storage requirements at signalized intersections, preparation of the Design Traffic Technical Memorandum. Other responsibilities included evaluation of roadway typical sections and profile grade, coordination for drainage and environmental analysis.

PD&E Study for the Widening of the HEFT from SR 836 to East of NW 57th Avenue, Miami-Dade & Broward Counties, Florida, Turnpike Enterprise, (2008 – 2010).

Deputy Project Manager and Lead Technical Engineer for the PD&E Study of this 19 mile section of the HEFT from SR 836 (Dolphin Expressway) to east of NW 57th Avenue. The project involved widening of the HEFT from Six lanes to ten lanes south of I-75 and from four lanes to eight lanes north of I-75. This segment of the HEFT encompasses the System to System Interchanges of SR 836 and I-75, as well as six Service Interchanges. Responsibilities included: Evaluation of the alternative interchange configurations such as Tight Diamond Urban Interchange (TUDI) and Diverging Diamond Interchange (DDI). Additional tasks included evaluation of crash and safety data along the corridor, identification of safety deficiencies and recommendation of safety improvements, preparation of project reports and planning memorandums, presentations to MPO and elected officials.

SR-84 Eastbound to I-75 Southbound Interchange Modification Report, Broward County, Florida, (2013 – 2014).

Project manager and EOR for the preparation of an Interchange Modification Report (IMR) for the proposed SR-84 eastbound to I-75 southbound slip ramp, within the I-75/I-595/SR 869 (Sawgrass Expressway) interchange in City of Weston, Broward County Florida. The purpose of the project was to provide alternate access to I-75 mainline and express lanes and to alleviate congestion at the Royal Palm Boulevard interchange. Responsibilities included: preparation of a methodology Letter of Understanding (MLOU) approved by FHWA, operational analysis using HCS 2010 and CORSIM for freeway and ramps, sensitivity analysis for weaving maneuvers between slip ramp and managed lanes entrance, and signalized intersections operational analysis using SYNCHRO 8. Preparations of the Interchange Modification Report and Conceptual Signage Master Plan for FHWA approval.

Project Development & Environment (PD&E) Study Districtwide Consultant for FDOT District 4 (2010-2014)

Deputy Project Manager for Districtwide contract to assist District Four with technical services and support in implementing the ETDM program within the District. Included: 1) preparing purpose and need statements, 2) confirming candidate projects are consistent with the transportation goals and objectives of the Local Government Comprehensive Plan (LGCP), and air quality conformity standards, 3) prepare a project description for each project to be entered into the EST, 4) enter projects into the EST and digitize the location maps for each project, 5) generate and evaluate effects contained in the Draft Planning Summary Report – review 21 issues, identify agency concerns, 6) review project effects and assign summary degree of effect, 7) produce Final Programming Screening Report and 8) assist in the determination of technical studies required and Class of Action determination. 9) Long Range Estimates update for District Work Program

Publications

Lamptey G., Singh L., Labi S. and Sinha K. C., *Indiana's Safety Management System Software Package (SMSS) – A Review*, 3rd International Conference on Road Safety and Simulation, Indianapolis, USA (2011)

Lamptey G., Singh L., Labi S. and Sinha K. C., *A Systematic Framework for Incorporating Safety in Network-Level Transportation Planning and Programming*, ASCE Journal of Transportation, Vol 136, No. 5 (2010)

Lamptey G., Lamptey G., Lamptey J., *A Quantitative Assessment of Used Tires Impact on Road Safety in Developing Countries (Case Study)*, Road safety on four continents: 15th international conference, Abu Dhabi, United Arab Emirates, (2010)

Lamptey G., Labi S. and Sinha K. C., *Investigating the Sensitivity of Optimal Network Safety Needs to Key Safety Management Inputs*, Transportation Research Record, Vol 1922 (2005)

Lamptey G., Labi S., and Sinha K. C., *A Proposed Framework for Safety Investment Planning in Indiana*. 83rd Annual Transportation Research Board Meeting, Washington, DC, (2004)



Robert Linares, PE

Principal/Sr. Vice President

TECHNICAL EXPERTISE

Transportation Planning
Traffic Operations
Concept Development
Public Involvement

YEARS OF EXPERIENCE

17 Years

EDUCATION

B.S.C.E., Florida International
University (2000)

PROFESSIONAL REGISTRATIONS

Professional Engineer
FL #63003 (2005)
TX #122564 (2016)
Puerto Rico #25221 (2013)

OFFICE LOCATION

Miami-Dade County, FL

PROFESSIONAL PROFILE

Mr. Linares currently serves as Metric's Director of Transportation Planning in charge of transportation planning and traffic operations projects. He is a lifetime resident of Miami-Dade County working out of Metric's corporate Headquarters in Miami-Dade County for the past 17 years. Mr. Linares worked his way from an entry-level intern to Sr. Vice President taking a leadership role within the company, while helping to better serve the residents of his community.

REPRESENTATIVE PROJECTS

NE 25th Avenue & NE 36th Avenue PD&E Studies for FDOT District 5, Marion County: Project Development and Environment (PD&E) Studies (CAT EX Type II) to improve the capacity and reduce travel delays associated with the railroad crossings on both NE 25th Avenue and NE 36th Avenue from SR 492/NE 14th Street to NE 35th Street in Ocala, Florida (3 miles). The PD&E studies will evaluate intersection improvements, the potential widening of both corridors from two to four lanes and the feasibility of providing a bridge overpass over the CSX at the railroad crossings for both roadways. **Client:** FDOT District V, **Contact:** Jazlyn Heywood (386)943-5388, **Begin/End Dates:** June 2013-December 2015, **Role:** Principal-in-Charge

US-27/SR 25/Okeechobee Road from NW 79th Avenue to SR 997/Krome Avenue, Miami-Dade County: The study aims to perform conceptual design and environment study of roadway enhancements, frontage road enhancements, signalized intersection improvements, interchange modifications, and bridge widening to US 27/SR 25/Okeechobee Road from NW 79th Avenue to SR 997/Krome Avenue in Miami-Dade County, Florida. **Client:** FDOT District 6, **Contact:** Bao-Ying Wang, PE

(305) 470-5211, **Begin/End Dates:** May 2012 – July 2016, **Role:** Project Manager

Oslo Road PD&E Study from E. of SR. 9/I-95 to E. of 58th Avenue for FDOT District 4, Indian River County: Project Development and Environment (PD&E) Studies (CAT EX Type II) (3.2 miles) to improve the capacity along Oslo Road from E of SR 9/I-95 to E of 58th Avenue by widening from two to four lanes and implementing a raised median. The Oslo Road widening will connect with the four lane section just east of 58th Avenue and to the proposed interchange at I-95 and Oslo Road. The project is outside of the urban service boundary and RW acquisition will likely be required. **Client:** FDOT District IV, **Contact:** Sabrina Aubery, PE (954) 777-4585, **Begin/End Dates:** July 2014-Ongoing, **Role:** Principal-in-Charge

SR 874 (Don Shula Expressway) Ramp Connector PD&E Study for Miami-Dade Expressway Authority in Miami-Dade County: PD&E Study (2.5 miles) to evaluate a potential new ramp connection from SR 874 (Don Shula Expressway) to SW 128th Street. This new ramp connection would provide an additional expressway access and mobility to the area. The study identified potential corridors and alignments as well as potential environmental impacts to Florida Forever Conservation lands. **Client:** MDX, **Contact:** Mayra Diaz, (305) 637-3277, **Begin/End Dates:** January 2010 – June 2012 **Role:** Project Manager

I-395 PD&E Study in Miami-Dade County for FDOT District 6: The PD&E Study entailed the preparation of EIS for a proposal to improve I-395 in Miami-Dade, Florida. The proposed improvement would involve the reconstruction of I-395 from I-95/Midtown Interchange to Biscayne Bay, a distance of 1.2 miles. Improvements to the corridor are considered necessary to provide for the existing and projected traffic demand. Alternatives consideration included elevated reconstruction with ramps at Midtown Interchange; elevated reconstruction with ramps at Miami Avenue; a tunnel design and an open-cut design (depressed expressway). Due to community opposition, MEI held over 150 meetings with the public and stake holders which led to public approval and LDCA. **Client:** FDOT District 6, **Contact:** Vilma Croft, PE (305) 470-5240, **Begin/End Dates:** June 2006 – July 2010, **Role:** Project Manager

SR 710 (Bee Line Highway) PD&E Study for FDOT District 4, Martin County: PD&E Study for a 15-mile stretch of SR 710 (a FIHS/SIS facility) in Martin County from the Okeechobee/Martin County Line to CR 609. The study considered additional through lanes, provision of a median, widening of the crossroads where necessary to provide intersection operation at an acceptable Level of Service, pedestrian enhancements including construction of multi-use trail and grade separation of highway and multi-use trail over the CSX railway. **Client:** FDOT District 4, **Contact:** Patrick Glass, PE (954) 777-4681, **Begin/End Dates:** October 2007 – July 2011, **Role:** Project Manager

Districtwide PD&E Consultant, Miami-Dade County for FDOT District 6: PD&E Study to perform miscellaneous engineering and environment studies on specific portions of transportation improvement projects and others associated tasks such as implementation of the ETDM and Socio-cultural effects, etc. **Client:** FDOT District 6, **Contact:** Nicholas Danu, PE (305) 470-5211, **Begin/End Dates:** April 2009 – July 2014, **Role:** Principal-in-Charge

Robert Linares, PE

Principal/Sr. Vice President

SR A1A Deerfield Beach PD&E Study for FDOT District 4, Broward County: PD&E Study from south of SE 3rd Street to north of NE 7th Street in Broward County (a distance of approximately .841 miles). The study considered additional through lanes, special treatment and/or additional lanes at major intersections and widening of the crossroads where necessary to provide intersection operation at an acceptable Level of Services. **Client:** FDOT District 4, **Contact:** Bernard Buxton-Tetteh, PE (954) 480-4222, **Begin/End Dates:** February 2009 – September 2011, **Role:** Project Manager

SR 836 (Dolphin Expressway) PD&E Study from NW 17th Avenue Interchange to Midtown Interchange in Miami-Dade County for FDOT District 6 (SIS & FIHS Facility) The project involved the potential realignment, capacity and geometric improvements to SR 836, an elevated expressway that traverses approximately 1.4 miles within the City of Miami. More specific improvements potentially involved the provision of a minimum of six continuous mainline lanes and the provision of parallel collector distributor facilities. **Client:** FDOT District 6, **Contact:** Vilma Croft, PE (305) 470-5240, **Begin/End Dates:** January 2007 – August 2011, **Role:** Project Manager

Krome Avenue (SR 997) PD&E Study in Miami Dade County for FDOT District 6: The study investigated the proposed widening of Krome Avenue, one of South Florida's most rural corridors. The limits of the PD&E study extended from SW 136th Street to Okeechobee Road or a total distance of approximately 23 miles. The project included a detailed safety analysis of the corridor and comprehensive alternative generation and selection process. Furthermore, the study required the preparation of preliminary engineering reports and master plans as well as extensive environmental work and coordination with all the regulatory agencies. The project was developed and completed following the ETDM methodology. The project was screened via the EST by the ETAT members and we were in constant communication with them throughout the duration of the study to ensure we had a buildable and permitable project at the completion of the study. **Client:** FDOT District 6, **Contact:** Vilma Croft, PE (305) 470-5240, **Begin/End Dates:** August 2003 – August 2006, **Role:** Project Manager

NW 14th Street Access Improvements to I-395 PD&E Study in Miami-Dade County for FDOT District 6: PD&E Study (.5 miles) for the addition of on/off ramps to I-95 and I-395. Study requires a comprehensive PD&E analysis and IJR. The project includes preliminary and final engineering reports and master plans, traffic modeling and technical memorandum, and extensive public involvement with the Overtown area. The project was developed and completed following the ETDM methodology. The project was screened via the EST by the ETAT members and we were in constant communication with them throughout the duration of the study to ensure we had a buildable and permitable project at the completion of the study. **Client:** FDOT District 6, **Contact:** Vilma Croft, PE (305) 470-5240, **Begin/End Dates:** April 2001 – September 2005, **Role:** Project Manager

Districtwide Traffic Operations Studies Consultant Services, Miami-Dade, Monroe Counties: The general purpose of this contract is to provide traffic engineering services through the development of various traffic operations studies that will be identified for intersections, arterials, etc., and related improvement recommendations and evaluations. **Client:** FDOT District 6, **Contact:** Esteban Espinal, EI (305) 470-5303, **Begin/End Dates:** January 2010 – Ongoing, **Role:** Principal-in-Charge

Downtown Homestead Transportation Plan Update for the City of Homestead Community Redevelopment Agency, Miami-Dade County: The study (2 miles) aimed at resolving a number of Downtown Transportation planning issues in the City's congested urban core. The study included recommendations for truck movement accommodations, bicycle-way alignments, traffic calming treatments and utilizing the new Miami-Dade transit Busway within Homestead's urban core. **Client:** City of Homestead, **Contact:** Dan Wick, (305) 224-4484, **Begin/End Dates:** March 2004 – April 2005, **Role:** Project Manager

Eller Drive Grade Separation PD&E Study, FDOT District 4, Broward County: Study (.84 miles) for the grade-separation of Eller Drive, the primary access route into Port Everglades in Ft. Lauderdale, Florida. The study required a comprehensive analysis and the development of alternatives for providing an overpass over an important FEC rail spur to the Southport area of the port. It also included improving the flow of traffic circulation between Port Everglades and Ft. Lauderdale International Airport. **Client:** FDOT District 4, **Contact:** Richard Young, PE (954) 777-4323, **Begin/End Dates:** April 2000 – May 2004, **Role:** Project Engineer

NW 87th Avenue From NW 58th Street to Just North of Okeechobee Road PD&E Study in Miami-Dade County for FDOT District 6: PD&E Study for a 3-mile segment of this primary north/south urban arterial roadway. Study requires a comprehensive PD&E analysis to continue the four lanes from NW 58th Avenue to NW 103rd Street in Hialeah Gardens, including a thorough access management study and documentation, public involvement, the production of a traffic technical memorandum, preliminary and final engineering reports and master plans. **Client:** FDOT District 6, **Contact:** Vilma Croft, PE (305) 470-5240, **Begin/End Dates:** January 2000 – November 2004, **Role:** Project Engineer

Districtwide PD&E Services - Port of Palm Beach Corridor Study Design Traffic Technical Memorandum, Palm Beach County: The study focused on providing an efficient movement to and from the Port facility, while retaining and integrating the local access and traffic movements. Our traffic engineering effort required us to perform the requisite data collection (traffic counts, determination of major traffic generators, transit usage, signalized and unsignalized intersections) efforts. Tasks included developing the future design traffic, trip assignments for each proposed corridor and operational analysis. A Design Traffic Technical Memorandum was prepared as part of the Port of Palm Beach Corridor Study. **Client:** C3TS, **Contact:** Robert Carballo, PE (305) 445-2900, **Begin/End Dates:** July 2005 – October 2006, **Role:** Traffic Engineer

JEFF LOZAMA

1940 SW 129th Terrace, Miramar, FL 33027 – jeff@cms-miami.com

EDUCATION:

School of Business Administration, Florida Memorial University
Bachelor of Business Management
May, 1989

WORK EXPERIENCE

CMS INTERNATIONAL GROUP, CORP Miami, FL Campus August 2008 - Present

President and CEO

- Oversee business development, marketing, advertising, sales/operations, development of service packages and price policy.
- Oversee and manage the entire operation of the company
- Develop new International Market Opportunities.
- Setting Strategy and Vision for new Market and Product Lines.
- Lead and oversee the implementation of the Company's long and short term plans
- Keeping abreast of all material undertakings and activities of the company and all material external factors affecting the Company.

CMS INTERNATIONAL EXPORT Miami, FL July 1999 – August 2008

General Manager

- Oversee and manage all administrative tasks of the company.
- Maintenance of large International Accounts.
- Ensure Administrative Efficiency, proper procedure, implementation of policies and employee morale.
- Coordinate efforts by establishing procurement, production, marketing, field and technical services policies and practices; coordinating actions with corporate staff.
- Build company image by collaborating with customers, community organizations and employees; enforcing ethical business practices.
- Maintain quality service by establishing and enforcing organization standards.
- Contribute to team effort by accomplishing related results as needed.

WINDOW CLASSICS, CORP Miami, FL 1993- 1999

International Sales Manager

- Travel the Caribbean and Latin America to establish new and maintain existing accounts.
- Regular calls on Architects, Contractors to promote new and existing products and develop favorable specification position.
- Provide complete service to distributor network including quotations, product training, technical and literary support, product complaint and delivery issues.
- Develop cooperative relationships with key distributor and end user personnel to enhance product demand
- Establish Sales goals and specification objectives to meet company sales budget.
- Identify significant bid opportunities and provide complete project information, including price strategy.
- Provide after sales service support, including warranty

- Actively participate in trade organizations conferences and exhibits
- Design, develop, administer and implement strategic plans for the organization in a cost-effective and time-efficient manner.
- Oversee the management of the organization's facilities, assets, personnel, books, records and accounts, the implementation of approved personnel policies, and the day-to-day operations.
- Serve as an Executive Producer for the organization's financial literacy television segment, Fiscally Fit TV which broadcasts to over 800,000 households throughout Miami Dade and Broward County.
- Develop and administer outreach programs and program curriculum for the Thinking Ahead College Preparatory Program in leadership, development, financial literacy, and service.

PROFESSIONAL DEVELOPMENT:

- Advanced Sales and Products Training – Marvin Windows and Doors.
- Advanced Sales Presentation, Product Training – PGT Windows and Doors
- Human Relations & Communications Skills- MSI Family

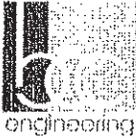
AWARDS/HONORS:

- Partnership through Excellence 2004, 2005, 2006 – PGT Windows and Doors
- Certificate of Appreciation for Community Contributions – Miami-Dade County Office of Mayor and Board of County Commissioners – October, 2012
- Key to the City of North Miami for Humanitarian Efforts – October, 2004

COMMUNITY INVOLVEMENT:

- Chairman – Haitian-American Chamber of Commerce of Florida
- Board Member – Miami-Dade Chamber of Commerce
- Board Member – Miami-Dade County International Trade Consortium
- Advisor – Haitian-American Nurses Association
- Founding Member and Executive Director – Man Dodo Humanitarian Foundation, Inc a 501(c)3 Non For Profit Organization
- Board Member – Elder Board of The Bridge Church, Miramar
- Board Member- Haitian-American Professional Coalition

LANGUAGES: Haitian Kreyol, French and English



JOSE A. MUÑOZ, PE
President



Overview

Mr. Muñoz is President of BCC Engineering, Inc., an engineering firm that started in Miami-Dade County in 1994. Since taking over the role of President in 2006, the firm has been on a path of continuous growth and currently has four offices throughout Florida and a staff of over 150 professionals. He has focused most of his professional career working in Miami-Dade County, having designed some of the largest highway and civil projects in the County. His experience ranges from Concept Development to Final Design of major highways and civil infrastructure projects. He has acted as Project Manager, Engineer of Record, as well as Client Project Manager.

Project Experience

BCC Engineering, Inc. (2005 to Present)

Design-Build Services for SR 874 Ramp Connector to SW 128th Street (Contract No. RFP-15-02); Miami-Dade County, FL; Client: Miami-Dade Expressway Authority (MDX); Reference: Juan Toledo, PE, (305) 637-3277 ext. 2115; jtoledo@mdxway.com; Contract Amount: \$40 million; Project Duration: 2015 to 2018 (Est.) – As part of the Design-Build Team, BCC Engineering, Inc. is serving as Prime Designer for the design and construction of the MDX Ramp Connectors from SR 874 (Don Shula Expressway) to SW 128th Street from west of the SR 821 (Homestead Extension of Florida's Turnpike), to west of SR 825/SW 137th Avenue. The new ramp connectors will provide access to and from the Don Shula Expressway (SR 874) and SW 128th Street

at SW 122nd Avenue extending SR 874 west from its current terminus at the Homestead Extension of Florida's Turnpike (HEFT) (approximately 0.5 mile). The ramp connectors will require third level flyovers over the existing SR 874/SR821 interchange. The flyovers are complex category II bridges with straddle piers and drilled shaft foundations. The project will widen approximately 1.5 miles of SW 128th Street from a 3-lane urban section to a 5-lane urban section. SW 128th Street is owned by Miami-Dade County. Additional scope items include signals for 3 intersections, lighting design, Intelligent Transportation System (ITS) design and utility work for Miami-Dade Water and Sewer Department. BCC is responsible for project management, roadway, drainage, traffic operations and structural design for the project. Project Role: Principal-in-Charge

SR 821/Florida's Turnpike from South of SW 104th Street to North of SW 72nd Street (FM Nos. 415051-1-52-01, 430811-1-52-01, Contract No. E8N18); Miami-Dade County, FL; Client: The de Moya Group/Florida's Turnpike Enterprise; Reference: Paul Naranjo, PE, (407) 264-3429; paul.naranjo@dot.state.fl.us; Length: 2.9 miles; Project Duration: 2014 to 2017 (Est.) – The project includes the milling, resurfacing and widening of SR 821, the Homestead Extension of the Florida Turnpike (HEFT), which accommodates the future needs for capacity, operational and safety improvements, from south of SW 104th Street (Killian Parkway) to north of SW 72nd Street/SR 990 (Sunset Drive). Capacity improvements will be provided via the addition of two express lanes in each direction through the limits of the project in addition to the three general purpose lanes in each direction. The project also includes the resurfacing, restoration, and rehabilitation of Sunset Drive as well as interchange improvements at Kendall Drive. Project Role: Principal-in-Charge

SR 836/I-395 from West of I-95 to MacArthur Causeway Bridge, Miami-Dade County, FL; Client: FDOT District Six; Reference: Gil Portela, (GEC PM), 305-551-8100 (HNTB) / (786) 252-2457 (Cell); portela@HNTB.com; Project Length: 1.4 miles; Project Duration: 2011 to 2014 – BCC prepared the preliminary geometric design for the reconstruction of the entire Interstate-395 (I-395) corridor, from the original terminus at the west side of the I-95/Midtown Interchange (I-95/SR 836/I-395) to the original corridor terminus at the West Channel Bridges of US-41/MacArthur Causeway. This project was developed to improve mainline operations along I-395, reduce congestion on the surface streets below and provide enhanced access to the Performing Arts Center and surrounding areas of downtown Miami. Project Role: Interchange Concept Developer.

SR 826 (Palmetto Expressway)/SR 836 (Dolphin Expressway) Interchange Improvements - Section 5 - Design-Build; Miami-Dade County, FL; Client: FDOT District Six; Reference: Dari Vorce, (305) 640-7400; dari.vorce@dot.state.fl.us; Contract Amount: \$559 million; Length: 2.77 miles; Project Duration: 2009 to 2016 (Est.) – This project includes the reconstruction of SR 826 from south of Flagler Street to north of NW 12th Street and SR 836 from east of NW 87th Avenue to west of 57th Avenue. The SR 826/SR 836 Interchange is a 4-level System-to-System Interchange with direct connectors that provide traffic movements in all directions between

Years of Experience	20
Years of Post Registration Experience	13
Work History	
BCC Engineering, Inc. (Miami)	2005 – Present
Gannett Fleming, Inc.	2001 – 2006
Metric Engineering, Inc.	1995 – 2001
Education	
BS in Civil Engineering	1997
Florida International University	
Registration	
Professional Engineer	



JOSE A. MUÑOZ, PE
President

the two expressways. The project also includes the reconstruction of two service interchanges, the reconstruction of NW 12th Street and the realignment of the North Line Canal. Project includes 47 new bridge structures (4 Concrete Segmental Flyovers, 7 Steel Plate Girder, and 36 FIB) as well as an extensive amount of permanent and temporary walls, and sign structures. Primary responsibilities included managing and overseeing the highway design, drainage, permitting, lighting, signalization, signing and pavement markings, utility coordination, and structural design. Project Role: Design Project Manager.

SR 826 (Palmetto Expressway) Improvements Program - Section 2 - Design-Build; Miami-Dade County, FL; Client: FDOT District Six; Reference: Jason Chang, PE, (305) 470-5331; jason.chang@dot.state.fl.us; Length: 2.2 miles; Project Duration: 2008 to 2012 – Project involved the widening and reconstruction of the limited access facility from south of Sunset Drive to north of Southwest 31st Street and included the Miller Drive (SW 56th Street), SR 874 and SR 976 (Bird Road/SW 40th Street) Interchanges. The improvements included the addition of one general use lane in each direction; auxiliary lanes between all interchanges; interchange improvements and, operational and safety improvements along the SR 826 mainline and ramps. Project Role: Project Engineer

PortMiami Access Tunnel; Miami, FL; Client: FDOT District Six/MAT Concessionaire; Reference: Patrick Shortal, PE, (305) 718-2992; Length: 2 miles; Project Duration: 2007 – Traffic analysis of the Miami Access Tunnel (MAT) Team Concept within Dodge Island for the PortMiami Tunnel Project. The analysis centered on developing the traffic distribution between cargo, cruise and administrative traffic for the final configuration to and from both the Tunnel and PortMiami Bridge. Analysis involved field reviews of the port area and review of previous studies developed for PortMiami. Project Role: Project Manager and Lead Engineer for the study who was responsible for conducting multimodal traffic analysis and preparation of technical reports.

City of Miami Undersized Water Main Replacement, Miami-Dade County, FL, Miami-Dade County Water and Sewer Department (E05-WASD-16, GOB) Reference: Reynaldo Abreu, (786) 552-8161; Length: 5,600 Linear Feet of Water Main; Project Duration: 2007 – City of Miami Water Main Replacement between SW 18th to 25th Avenues and SW 22nd to 27th Streets. Project Manager for the design of replacement ductile pipe 8-inch water mains, currently served by undersized and aged water mains that have been in existence for the last fifty years. The Miami-Dade County Water and Sewer Department (MDWASD) has proposed the installation of approximately 5,600 linear feet of 8-inch water mains. The project also included the installation of fire hydrants, consistent with County requirements and standards, and water service lines to provide service to all abutting properties. These system upgrades improved the water pressure and fire protection capabilities in the residential area. Project Role: Project Manager.

NW 74th Street Interchange at SR 821/Homestead Extension of Florida's Turnpike (HEFT); Miami-Dade County, FL; Client: FDOT District Six/Florida's Turnpike Enterprise (FTE); Reference: Rene de Huelbes, PE, (305) 480-9938; Contract Amount: \$65 million; Length: 1.0 mile; Project Duration: 2005 to 2006 – Final design of a new trumpet interchange. This project included the widening of the HEFT, new flyover ramps to/from NW 74th Street, five new bridges, two new toll gantries and the addition of noise walls. Responsibilities included managing and overseeing the highway design, drainage, permitting, lighting, signing and pavement marking (S&PM) and structural design. Project Role: Project Manager.

SR 836 Extension from NW 107th Avenue to NW 137th Avenue; Miami-Dade County, FL; Client: Miami-Dade Expressway Authority (MDX) / Community Asphalt Corporation; Reference: Juan Toledo, (305) 637-3277; jtoledo@mdxway.com; Contract Amount: \$140 million; Length: 2 miles; Project Duration: 2005 to 2007 – This project extended SR 836 from the Homestead Extension of Florida's Turnpike (HEFT) to NW 137th Avenue. The SR 836 Extension is a six-lane limited access facility, design included a new trumpet interchange at NW 137th Avenue, the six-laning of NW 137th Avenue, and improvements to SR 836 main line and SR 836/NW 107th Avenue interchange. Project Role: Project Engineer

127th Avenue final design from SW 6th Street to NW 12th Street; Miami-Dade County, FL; Client: Beacon Lakes Development/ Miami-Dade County Public Works and Waste Management Department (PWWM); Reference: Ignacio Halley, (305) 884-9444; Length: 1.2 miles; Project Duration: 2007 to 2008 – Project Engineer for the development of Signing and Marking and Signalization Plans for the widening of an existing two-lane facility to four-lanes. Project Role: Project Engineer

Design Services for SW 136th Street, from SW 149th Avenue to SW 139th Court; Miami-Dade County, FL; Client: Miami-Dade County Public Works and Waste Management (PWWM); (Project No.: E05-PW-11 PTP); Reference: Raul Quintela, PE, (305) 470-5117; raul.quintela@dot.state.fl.us; Length: 1.2 mile; Project Duration: 2006 to 2011 – Project Engineer for the signing and pavement marking plans of an urban arterial from an existing two-lane rural road to a four-lane section with a shared-use median, curb and gutter, and sidewalk. Project included geometric design, drainage design, permitting, lighting, and signing and pavement markings. Project Role: Project Engineer



JOSE A. MUNOZ, PE
President

West 76th Street from 36th Avenue to 20th Avenue; Miami-Dade County, FL; Client: Miami-Dade County Public Works and Waste Management Department (PWWM); Reference: Raul Quintela, PE, (305) 470-5117; raul.quintela@dot.state.fl.us; Length: 2.0 miles; Project Duration: 2006 to 2007 – Roadway design for the widening and reconstruction of approximately two-miles of an urban arterial. Ultimate typical section is a five-lane (four through, one shared left) curb and gutter section. Roadway design services included: roadway geometric design, drainage design and permitting, traffic control plans, signing and pavement marking plans, signalization plans, and roadway lighting. Project Role: Project Engineer

SW 62nd Avenue from SW 74th Street to SW 60th Street; Miami-Dade County, FL; Client: Miami-Dade Public Works and Waste Management (PWWM) Department; Reference: Jacqueline Alcina, EI, (305) 375-2754; alcinj@miamidadegov; Length: 0.5 miles; Project Duration: 2006 to 2010 - Development of roadway master plans for the reconstruction of approximately 0.5 miles of an urban arterial roads. Roadway design services included: drainage design and permitting, traffic control plans, signing and pavement marking plans, signalization plans, and roadway lighting. Project Role: Project Engineer

Miami-Dade 2030 Long-Range Transportation Plan (LRTP); Miami-Dade County, FL; Client: Miami-Dade Metropolitan Planning Organization for the Miami Urbanized Area; Project Duration: 2004 – Project Engineer for the development of the cost feasible and Priority II through IV projects. Involved in the development of project selection criteria and assisted in facilitating the steering committee thru the LRTP process. Also assisted in the Public outreach process for all four quadrants within Miami-Dade County. Project Role: Project Engineer

NW 87th Avenue from NW 58th Street to Just North of Okeechobee Road; Miami-Dade County, FL; Client: FDOT District Six; Project Duration: 1999 to 2001 – Design Engineer for a PD&E study for a three-mile segment of a primary north/south urban arterial roadway. The study required a comprehensive PD&E analysis to continue the four lanes from NW 58th Avenue to NW 103rd Street in Hialeah Gardens and included a thorough access management study and documentation; public involvement; and the production of a traffic technical memorandum, preliminary and final engineering reports, and master plans.

US-1 Improvements from Key Largo to Card Sound Road Monroe; Miami-Dade County, FL; Client: FDOT District Six; Reference: Barbara Culhane, (305) 470-5231; barbara.culhane@dot.state.fl.us; Length: 18 miles; \$3 million; Project Duration: 1997 to 2005 – Developed an overall master plan and 30% plans, for the widening and reconstruction of US-1 (total project length 18 miles). Challenges involved minimizing wetland impacts and maintaining water quality. The project included a 65', high-level and a two-mile, elevated causeway over Lake Surprise. The project was a highly controversial one, which included extensive public involvement efforts and required permits from the USACOE and the SFWMD. The existing project conditions included a 36" water main which is an important source of water for the Keys. Relocation of the 36-inch water main was required in the vicinity of Jewfish Creek and the C-111 Canal. Project Role: Project Engineer.

DuPont Plaza Traffic Circulation Operational Analysis; Miami, FL; FDOT District Six, – Project Engineer for the development of future traffic volumes for existing one-way roadway system operations and alternative two-way operations within a four-block area of downtown Miami north of the old DuPont Plaza. Responsible for modeling and analyzing traffic circulation for both one-way and two-way operations. Also responsible for preparing a graphic comparison of obtained traffic volumes and pertinent results developed from previous studies.

I-95 Interchange Improvements at NW 14th Street; Miami-Dade County, FL; Client: FDOT District Six – PD&E study for access improvements to Overtown via the provision of a new partial interchange at I-95/NW 14th street. Proposed ramps include a NB I-95/NW 14th street off-ramp and a NW 14th/SB I-95 on-ramp. Project included the study of bridge alternatives for widening NW 14th street over I-95 SB and for the widening of I-95 SB over the railroad. Project also studied a potential NW 14th street pedestrian crossing for Booker T. Washington High School.

Miscellaneous Civil Engineering Services; Miami-Dade County, FL; Client: Miami-Dade County Park and Recreation Department;– Project Manager responsible for the coordination, design, permitting, and preparation of construction documents for multiple projects for Miami-Dade County Park and Recreation Department. Assignments included improvements to waste water collection systems at Tropical Estates Park, Devonaire Park, Sgt. Joseph Delancey Park, Continental Park, and Ron Ehman Park. Improvements included the design of gravity sewers, force mains, and pump stations.

Victor J. Pujals, PE, BCEE

Senior Vice President

Mr. Pujals is a civil/environmental engineer with 40 years of experience in the planning and implementation of major multi-million-dollar capital improvement projects (CIPs) for municipal clients in the water and wastewater fields. He has extensive experience serving in an advisory role and plays a key role in the project direction and technical review of large projects in south Florida. Since 1994, he has worked on a number of wastewater assignments for the Miami-Dade Water and Sewer Department (WASD).

Professional Role

Delivery Leader. He is currently serving as Delivery Leader for the Southeast Group (SEG) that covers three states (FL, SC, NC) and oversees \$50M of consulting services annually. Since joining CDM Smith in 1978, he has developed professionally from a Project Engineer to Program Manager as noted below. This includes serving as the Quality Manager for various projects in Miami Dade County. He implements the CDM Smith Quality Management System on various projects currently underway in the Miami office, namely for Miami Dade WASD associated with the water or wastewater systems.

Professional Development

Program Manager (Interim), Program Management Consortium, Puerto Rico Aqueduct and Sewer Authority (PRASA), Puerto Rico, 9/2012 to 1/2013. For the multi-million-dollar water and wastewater infrastructure program in PRASA's south and west regions in Puerto Rico, Mr. Pujals served as interim program manager for CDM Smith's service to PRASA in the CIP in various regions of Puerto Rico.

Technical Reviewer, Stormwater Management Master Plan, City of Miami Beach, Florida, 2011. The City selected CDM Smith to update the stormwater master plan (SWMP) to meet flooding conditions that are becoming more frequent and noticeable to the community. The technical component of this project requires a multi-disciplinary team to address geotechnical, structural, electrical, and civil aspects of a series of projects to control flooding in a tight urban environment. The current alternatives include a 55-acre feet (17.8-million gallons [MG]) stormwater vault and seven different pump stations for more than 150-cubic feet per second (cfs) peak capacity, as well as other outfall improvements with tide flex valves, pump stations, and gravity pipe system upgrades. Mr. Pujals served as a technical reviewer for this project.

Technical Reviewer, City No. 3 Pump Station Rehabilitation, City of Coral Gables, Florida, 2010. The City was concerned about the City No. 3 Pump Station's integrity and age, and retained CDM Smith to provide design, permitting, and construction services for the new pump station. For the triplex dry pit station, Mr. Pujals served as technical reviewer and provided quality assurance and quality control (QA/QC) expertise.

Project Director, Water and Wastewater System Engineering Services, City of Miami Beach, Florida, 2007. Mr. Pujals was in charge of CDM Smith's engineering services to the City's Public Works Department and the office of CIPs. The assignments included computer modeling of the water distribution and wastewater pumping/transmission system; design of the 25th Street Water Pump Station and 3-MG storage tanks, the Terminal Island Water

Education

M.S. – Sanitary Engineering, Georgia Institute of Technology, 1974

B.S. – Civil Engineering, Georgia Institute of Technology, 1972

Registration

Professional Engineer – Florida (1977), Puerto Rico

Certifications

Board Certified Environmental Engineer (BCEE), American Academy of Environmental Engineers and Scientists

Boards

Past President, Cuban-American Association of Civil Engineers (C-AACE)

Past President, Florida Engineering Society (FES) Miami Chapter

Board Member, Miami Dade A&E Society (MDAES)



Booster Station and 16-inch diameter water main, and the South Pointe Wastewater Booster Pumping Station; and construction administration services for the water and wastewater pump station upgrades.

Technical Reviewer, Sanitary Sewer Evaluation Survey Rehabilitation, City of Miami Beach, Florida, 2009. Mr. Pujals served as a technical reviewer for the City's Sanitary Sewer Evaluation Survey Rehabilitation project, which was conducted to determine the locations and causes of Infiltration/Inflow (I/I) to identify problem areas and recommend cost effective corrective actions, including how to mitigate or reduce infiltration from entering the system. As part of this project, over 70,000 feet of sanitary sewer lines and 500 manholes were inspected. The rehabilitation efforts implemented have resulted in a 58-percent reduction in I/I in seven basins that in 2006 were not in compliance (Basins 11, 19, 27B, 28D, 29, 31A, and 31B) with the Department of Environmental Resource Management (DERM) standard.

Regional Performance Manager (RPM), Florida/Georgia Region (FGR), Florida and Georgia, 2008 to 2012. Mr. Pujals served as RPM for the public service unit in the FGR with over \$50 million in annual revenue. As RPM, Mr. Pujals oversaw project execution and financial performance in the region, including the implementation of the CDM Smith Quality Management System.

Project Director, Wastewater System Services Biosolids Master Plan, WASD, Miami-Dade County, Florida, Florida, 2006 to 2008. Mr. Pujals was the project director for the development of a Biosolids Master Plan Report after an in-depth evaluation of biosolids treatment technologies to produce Class AA biosolids. Approximately 30 technologies were initially evaluated as part of a preliminary screening. As a result of the preliminary screening, three technologies were selected to continue the final selection process. These technologies included composting, advanced digestion, and heat drying. The team also evaluated the possibility of a combined regional biosolids processing facility, to enable WASD to meet the County's objectives of Class AA, continue to adequately treat current flows, accept future flows, meet regulatory requirements, and extend the service life of the facilities for another 20 years.

Project Director, Water System Services, WASD, Miami-Dade County, Florida, 2008 to 2010. Mr. Pujals was responsible for directing CDM Smith services to WASD in the water system field. Most recently he directed the water facilities master plan update which included assisting the Department obtain a 20-year water use permit (WUP) from the South Florida Water Management District (SFWMD). His prior involvement included projects associated with control of disinfectants and disinfection-by-products at the Hialeah-Preston Complex; investigation of groundwater under the direct influence of surface water consideration, and water treatment process impacts at the Hialeah-Preston plants; siting and permitting assistance at the proposed South Miami-Dade (Miami Heights and Redlands) wellfields; and the water treatment aspects of the Water System Master Plan Update (2003) as a subconsultant.

He assisted the WASD in 1995 to 1997 with the implementation of the Biscayne Aquifer West Wellfield Program. He was involved in evaluating and designing improvements (e.g., ultraviolet (UV) disinfection) to the aquifer storage and recovery (ASR) system at the west and southwest wellfields to allow year round usage and avoid weather related permit limitations.

Project Director/Technical Review, George T. Lohmeyer Regional WWTP Renewal and Replacement (R&R) Program, R&R CIP Projects, Fort Lauderdale, Florida.

Mr. Pujals has provided technical review or served as project director on various related R&R CIP projects.

Project Director, Water Facilities Master Plan Update, WASD, Miami-Dade County, Florida. Mr. Pujals directed the water facilities master plan update for WASD. The update had two main goals: assisting the County in obtaining a 20-year WUP from the SFWMD and to provide a “road map” for the purpose of scheduling capital improvements on the County’s water supply, treatment, storage, and transmission systems over a projected 20-year timeline.

Technical Advisor, Alexander Orr Water Treatment Plant (WTP) R&R Program, WASD, Miami-Dade County, Florida. Mr. Pujals provided technical guidance and QA/QC services to the implementation of R&R projects for the Alexander Orr Jr. WTP and the south Miami-Dade water supply system, consisting of five treatment plants.

Technical Advisor, Alexander Orr Jr. WTP Conversion of Disinfection System from Chlorine Gas to Sodium Hypochlorite Solution, WASD, Miami-Dade County, Florida. Mr. Pujals provided technical guidance for the preliminary engineering report identifying major process, civil, mechanical, structural, electrical, and instrumentation and control (I&C) needs and changes for the implementation of a sodium hypochlorite disinfection at the 214.7 million gallons per day (mgd) WTP.

Technical Advisor, South District Wastewater Treatment Plant (WWTP) Water Reclamation Facility (WRF), WASD, Miami-Dade County, Florida. Mr. Pujals provided technical guidance for the planning and design of a 21 mgd WRF for County’s south district area.

Project Director, Design of South Miami Heights WTP Program, WASD, Miami-Dade County, Florida. Mr. Pujals directed the design of the 20 mgd South Miami Heights membrane WTP program with a construction value of over \$60 million.

Project Director, Biscayne Aquifer West Wellfield Program, WASD, Miami-Dade County, Florida. Mr. Pujals assisted WASD with the implementation of the Biscayne Aquifer West Wellfield Program. He was involved in evaluating and designing improvements (e.g., UV disinfection) to the ASR system at the west and southwest wellfields to allow year round usage and avoid weather related permit limitations.

Technical Advisor, Coastal Wetland Reuse Rehydration Demonstration Phase I and II Project, South District WWTP, WASD, Miami-Dade County, Florida. Mr. Pujals provided guidance to the team for the Coastal Wetlands Reuse Rehydration Demonstration Project (CWRRDP). The project consisted of a 1-mgd Water Reuse Demonstration Plant (WRDP) at the South District WWTP, a constructed wetland, and a baseline assessment and monitoring program of the Cutler Flow Way, the Canal, the Water Reuse Demonstration Plant, the Coastal Wetlands, and Biscayne Bay.

Project Director, Water and Wastewater System Engineering Services, Continuing Services, City of Miami Beach, Florida, 2007. Mr. Pujals was in charge of CDM Smith’s engineering services to the City’s Public Works Department and the office of CIPs. The assignments included computer modeling of the water distribution and wastewater pumping/transmission system; design of the 25th Street Water Pump Station and 3-MG

storage tanks, the Terminal Island Water Booster Station and 16-inch diameter water main, and the South Pointe Wastewater Booster Pumping Station; and construction administration services for the water and wastewater pump station upgrades.

Project Director, Planning and Implementation of the Glades Road WTP Program, City of Boca Raton, Florida, 2006. Mr. Pujals directed the \$60 million CIP for the 40 mgd membrane softening (nanofiltration) plant at the Glades Road WTP. This program included extensive membrane pilot testing, wellfield evaluation and rehabilitation along with final plans and specifications for the plant design. Mr. Pujals was also project director for various programs including the City's water system capital improvements at the Second Avenue pump station (\$1.9 million), and the Southwest 18th Street pump station and storage tank (\$3.0 million). He also directed the City's conceptual design for a 20 mgd membrane softening process addition at the Glades Road WTP.

Project Director, Planning and Implementation of the Water Plant Consolidation Program, City of Deerfield Beach, Florida, 2005. Mr. Pujals was also project director for the City's planning and development of the water plant consolidation program components with a total CIP of over \$30 million. These components included: wellfield evaluation and rehabilitation; water plant phased improvements and membrane pilot testing; 10.5 mgd membrane softening plant addition; water distribution system computer modeling and analysis; and the associated financial components included rate study and state revolving fund (SRF) loan.

Project Director, Planning and Implementation of Water System CIPs, City of Coral Springs, Florida. Mr. Pujals was project director for the City's \$15 million water system CIP for over 10 years. These improvements included upgrades to the WTP (\$8 million), the eastside pump station and storage tank (\$1.5 million), and a new wellfield (\$2.0 million).

Project Director, Planning and Implementation of Water System CIP, City of Lauderdale, Florida. Mr. Pujals served as project director for the City's \$10 million water system CIP. The CIP included phased rehabilitation of the water plant, upgrading the booster pump station, a wastewater system supervisory control and data acquisition (SCADA) system, and various engineering analyses.

Project Director, Wastewater System CIP, City of Sunrise, Florida. Mr. Pujals was project director for the City's \$50 million CIP, which included expansion of the WWTPs and effluent deep well injection, remote booster pumping stations, SCADA system vendor prequalification and implementation, and a 20,000-square foot utility administration building.

Officer-in-Charge, Glades Road High-Service Pumps and Variable Frequency Drives (VFDs), City of Boca Raton, Florida, 2001. Mr. Pujals oversaw the design, permitting, and bidding services for improvements to the facility. The new VFDs were housed in a new electrical room built adjacent to the existing electrical room. The existing eddy-current clutches were decoupled from their pump and motor, and removed. The motors were then moved forward and directly connected to the pumps. The existing power distribution system was modified and the existing medium voltage starter cubicle was modified to accommodate a 4,160-volt feeder breaker to provide power to the VFDs. Instrumentation design modifications included those directly associated with the electromechanical components of the VFDs.

Project Manager, Various Projects. He was project manager for the City's WTP process control and staffing analysis; the City of Boca Raton's water master plan update; the upgrading and design of Lee County's Olga and Corkscrew WTPs; the design of the City of Coral Springs' water plant expansion to 12 mgd; and various improvements to the City of Deerfield Beach's water supply, treatment, storage, and distribution system.

Project Director, WTP Process Analysis, City of Boca Raton, Florida. Mr. Pujals was also project director of a WTP process analysis for the City that included the pilot testing of filter media, ozonation, membrane filtration, and activated carbon.

Project Director, Water System Master Plan, City of Jacksonville, Florida. For the City, Mr. Pujals directed the water treatment element of the water system master plan.

Technical Review/Team Member. Mr. Pujals participated in CDM Smith projects for the Dallas, Texas, Water Utilities Elm Fork water plant expansion to 330 mgd and a pilot plant process study at Evansville, Indiana's, 60 mgd water plant.

Project Engineer, Franklin WTP, City of Charlotte, North Carolina. He was project engineer responsible for the preliminary design of the expansion to the raw water and high-service pump stations for the Franklin WTP (96 mgd).

Project Manager, 140-mgd Surface Water Filtration Plant, Medellin, Colombia. Mr. Pujals was project manager and onsite representative in the design of a 140 mgd surface water filtration plant.

Project Manager, Water Softening Treatment Plant Expansion, City of Boca Raton, Florida. Mr. Pujals was project manager in the design and construction of a \$15 million, 40 mgd expansion to the City's water softening treatment plant to 70 mgd.

Project Manager, Water Improvements, Seminole Tribe of Florida. Mr. Pujals was project manager in the design and construction of water improvements for the Seminole Tribe of Florida.

Project Engineer, WTP Design and Expansion, City of Naples, Florida. Mr. Pujals participated in the final design of a 10 mgd expansion of the City's WTP to 30 mgd.

Project Engineer, WTP Expansion, City of Huntsville, Alabama. Mr. Pujals provided engineering services during design and construction of an 8 mgd expansion of the City's WTP to 24 mgd.

Project Engineer, Studies and Designs, Various Cities. Mr. Pujals conducted engineering studies and designs which led to the implementation of water and wastewater system improvements for the Florida Cities of Plantation, Highland Beach, Hallandale, High Springs, and Winter Haven, as well as in Nassau, the Bahamas.

Water and Wastewater Improvements Experience. Mr. Pujals has directed, managed, or participated in water and wastewater improvements from design through construction for projects in Cities of Boca Raton, Coral Springs, Deerfield Beach, Lauderhill, Plantation, Highland Beach, Hallandale, Miami Beach, Naples, Sunrise, and the Seminole Tribe of Florida, Lee County, and Broward County. These projects in Florida included the following:

- Water system hydraulic analyses in Boca Raton, Coral Springs, and Deerfield Beach
- Sewer system expansions in Hallandale

- Wastewater lift station analyses and improvements in Deerfield Beach and Coral Springs
- Water storage and repump station additions in Lauderdale, Deerfield Beach, Coral Springs, and Boca Raton
- Analyses of treatment and improvements to reduce trihalomethane (THM), haloacetic acid (HAA), and color levels at the WASD Hialeah-Preston water plants.

Professional Activities

Member, Miami-Dade A/E Society, Inc. (MDAES)

Board of Directors, Miami-Dade A/E Society, Inc. (MDAES), (2004 to 2013)

Member, Cuban-American Association of Civil Engineer (C-AACE)

Secretary, C-AACE (2009 to 2011)

Vice President, C-AACE (2011/2013)

President, C-AACE (2013/2015)

Past President, currently, C-AACE (2015/2017)

Member, Florida Engineering Society (FES), Miami Chapter

Engineer of the Year, FES, Miami Chapter, (2006)

Past President, FES, Miami Chapter, 2005/2006

President, FES, Miami Chapter 2004/2005

Vice President, FES, Miami Chapter, 2003/2004

Publications Director, FES, Miami Chapter, 2002/2003

Member, Advisory Council for Engineering (ACE), Florida International University (FIU), 2004/2005

Member, American Academy of Environmental Engineers (AAEE)

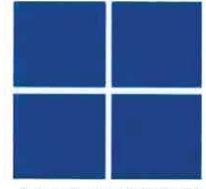
Water Supply and Wastewater Committee (2005) and (January 2011 to present)

Life Member, American Water Works Association (AWWA)

Member, National Society of Professional Engineers (NSPE)

Scarlett Rico

Business Operations Manager



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Miami Dade A/E Society (MDAES) Member	√

EXPERIENCE

Business Operations Manager— Architects International, Inc.
2015– present Miami, Florida

Currently working as a business operations manager of an architecture and engineering firm. Services to include the following:

- Obtain and maintain professional and business licenses
- Develop and manage client relationships
- Manage all Business Operations
- Maintain record management systems
- Develop and manage firm's strategic and business plans
- Develop, implement, and manage marketing and communications plans
- Develop and manage human resource/office policies and operations
- Increase awareness of the firm / public relations / pre-contract activities, respond to requests for proposals (RFPs), and maintaining relationships with existing clients
- Meet with individuals / A&E local industry groups / etc. on behalf of company & Principal

Marketing Coordinator— Architects International, Inc. 2010-2015 Miami, Florida

Under general direction, provide proposal & technical study / preparation/ coordination / desktop publishing, and other business development / general administrative services included the following:

- RFP/ Agreement for Prof. Services analysis to identify all components to be included in our company's response document.
- Formulated response strategy with Principal & if applicable with outside Team.
- Formulated & edited written responses, tables & graphic elements that incorporate the identified strategy
- Coordinated all pertaining efforts & communications pertaining to proposal.
- Lead role in building the response to RFP in desktop publishing format.
- Lead role in production & delivery of the response to RFP.
- Wrote / Edited / reviewed / updated standard company material to be used in proposals & other marketing material.
- Assisted with other public relations / political events/ other marketing efforts & project development opportunities as needed.

MDCPS David Lawrence Jr. K-8 Center- 4th Grade Teacher — 2008– 2009 school year
15000 Bay Vista Boulevard, North Miami, FL 33181

Worked with peers, parents, community, and other stakeholders in the continuous improvements of the educational experiences of 4th grade students at David Lawrence K8 Center. Established a classroom management system that maintained appropriate discipline and created a positive learning environment where students were actively engaged in learning, social interaction, cooperative learning and self-motivation. Provided a positive learning environment that supported the intellectual, personal and social development of all my students. Planned, aligned, implemented, and evaluated effective instruction and assessments. Kept school records and prepared and submitted reports as required by law, by regulations of state Florida , school board and the school. Used appropriate techniques and strategies that promote and enhance critical, creative, and evaluate thinking capabilities of my students.

Children's Home Society of Florida– Supervised Visitation Program and Safe Exchange Program— 2007 1505 NW 8th Ave Miami, Florida

The Children's Home Society of Florida Supervised Visitation Program provides a safe and positive way for children to visit with their parents as their families go through a difficult and transitional time. The children and visiting parent(s) are given a private, child-friendly room in the center. My duties at this center included the monitoring and documentation of these visits between parent(s) and child ; always remaining neutral to the family. At this center most Supervised Visitations were required by the court system for many reasons; including problems with divorce, domestic violence, abuse or neglect or simply an unusually period of time in which the child has not seen the parent and needs to become reacquainted.

EDUCATION

Bachelor of Arts - Psychology
2008,
Florida International University

Affiliations / Community Services

Oleta River State Park
Volunteer Services
2014– present



EDUARDO M. SUAREZ, P.S.M.

President



Eduardo (Eddie) Suarez, PSM, has been in the Land Surveying profession in South Florida for the past 30 years. Eddie administers the daily operation of Longitude Surveyors, and the preparation of a wide variety of projects and surveys. His diverse blend of private and public sector executive leadership developed through progressive management and operations experience have led to a consistent history of building and leading teams that develop and execute successful strategies. Mr. Suarez recently served as Lead Surveyor for the Environmental Compliance Division of the Solid Waste Department of Miami-Dade County for over 5 years. Eddie currently serves as Director for the FES Miami Chapter Board. Longitude Surveyors has served as a Prime & Sub-Consultant for the following entities: City of Miramar, Village of Pinecrest, Miami-Dade County, City of Miami, City of Miami Beach, City of Coral Gables, Village of Key Biscayne, Village of Palmetto Bay, Town of Cutler Bay, City of Homestead, City of Doral, Miami Shores, North Miami, North Miami Beach and El Portal. Over that time Eddie has gained the experience as both, a project manager and Principal in Charge.

PROJECT EXPERIENCE

EDUCATION

- Associates Degree in Engineering Studies, Miami-Dade College, Miami, Florida, 1993
- Professional Affiliations: Florida Surveying & Mapping Society
- Certifications: FDOT, WASD, SBE/AE, 15.01/15.03

REGISTRATIONS

Professional Surveyor & Mapper #LS6313, State of Florida

WORK HISTORY

- Longitude Surveyors, LLC. 2004 – Present
- Polaris 3 Surveyors & Mappers 2001-2004
- Manuel G. Vera & Associates 1994-2001
- Miami-Dade County Solid Waste Department 1989-1994
- Manuel G. Vera & Associates 1985-1989

FDOT FM#436565-1-22-01 US-27/SR25/Okeechobee Road and SR 826/Palmetto Expressway (Various Ramps), Miami-Dade, FL 5/2016 – Present *Principal in Charge, LS prepared and performed a Topographic Survey. Additionally, provided Right-of-Way mapping, SUE for design purposes. Client Reference: Hanson, Jeff Easley P.E. – 305-428-4350*

E13-WASD-04 Design Services for CD Project 5.10, 54"- Inch replacement pipe (54-Inch Force Main) - At the Intersection of N.W. 57th Ave. (Red Road) and Canal 8 South right of way - Opa-Locka 3/2015 – 8/2015 *Principal in Charge, LS prepared and performed Topographic Survey. Established horizontal and vertical control. All utility information provided, Cross section elevations at approximately 100 ft. LS prepared and performed a boundary survey; all improvements shown from right of way to right of way.*

Client Reference: HDR, Inc., Charles Sinclair 786-264-3855

E13-WASD-01R - 1.1 - CD Project 4.9 (20, 21) - PS 0366 to N.W. 42nd Place & 199th Terrace, then 1,792 LF of 10-Inch ACP FM to 39th Court & 199th Street, 3/2015 – 7/2015

Principal in Charge, LS prepared and performed a route survey. Established locations, dimensions elevations and measurements for all existing features along proposed main route. All improvements shown from Right of Way to Right of Way.

Client Reference: HDR, Inc., Charles Sinclair 786-264-3855

E13-WASD-10, 42" - Inch Wastewater Pipeline, Miami, FL (5/2014 – 12/2014) *Principal in Charge, LS prepared and performed Topographic Survey. Established horizontal and vertical control. All utility information provided, Cross section elevations at approximately 100-ft. All improvements shown from right of way to right of way.*

Client Reference: APTCE, Arnelio Alfonso, P.E. 305-592-7283

Miami Dade Water & Sewer (WASD) 48"- Inch Water Main Project, Miami, FL (5/2014 – 7/2014)
Principal in Charge, LS prepared and performed Topographic Survey. Established horizontal and vertical control. All utility information provided, Cross section elevations at approximately 100 ft. LS prepared and performed a boundary survey; all improvements shown from right of way to right of way. Client Reference: CDM Smith, Daniel Maher, P.E 305-372-7171

Replacement of 467 LF of 8"- Inch ACP FM from PS 0366 to NW 42nd Place and 199th Terrace, then 1,792 LF of 10-Inch ACP FM to 39th Court and 199th Street, Miami, FL 3/2015 – 6/2015
Principal in Charge, LS prepared and performed Route Survey, including all intersections, LS also performed boundary survey as required by project. All improvements shown from right of way to right of way. Established horizontal and vertical control. All utility information provided, Cross section elevations at approximately 100 ft. Rim, top and invert elevations of all existing sanitary sewers' manholes, pump wet and dry wells, sanitary sewer lines, drainage culverts, manholes and catch basins and grate elevations, diameter of the wet/dry well and valve vault dimensions. Client Reference: HDR, Inc., Charles Sinclair 786-264-3855

SR 710 CEI Survey Services from the intersection with SW FOX Brown Road northwesterly approximately 10.5 miles to a railroad crossing, Martin County, FL 12/2014- 1/2015
Principal in Charge, responsible in overseeing the project management and administrative duties to assist in bringing to a successful completion of the survey. The project consisted of preparing pre-construction vertical and horizontal control and topographic checks to the FDOT survey files staking baseline, and providing re-certified surveys for construction. Client Reference: Metric Engineering, Rick Antelo, P.E. 305-235-5098

US-27/SR 25/ Okeechobee Rd. from East of NW 107th Ave. to E. of NW 116th Way Miami-Dade County, FL (Florida Department of Transportation) 5/2016 – Present
Principal in Charge, responsible for horizontal and vertical control, topographic, and right of way surveys for the design of new intersection alignments and Frontage road improvements. Additionally, responsible for Right of Way mapping of the corridor which will include the north frontage road and NW South River Drive. Client Reference: APCTE, Tony Acosta, P.E. 305-592-7283

US-27/SR 25/Okeechobee Road and SR 826/Palmetto Expressway (Various Ramps), Miami-Dade County (Florida Department of Transportation) 6/2016 – Present
Principal in Charge, responsible for horizontal and vertical control, topographic, and right of way surveys for the design of new intersection alignments and Frontage road improvements. Also responsible for Right of Way mapping of the corridor which will include the north frontage road and NW South River Drive. Client Reference: Prime Hanson Group, Jeff Easley 904-737-0090

Miami-Dade Water & Sewer (WASD) 48 Inch (48") Water Main Project along S.W. 117th Avenue, Miami, FL 5/2014 – 7/2014
Principal in Charge, LS performed and prepared surveying services for Utility Routing Analysis and 6.7 miles of Topographic Survey which included the following: Established of Horizontal and Vertical Control and Benchmarks for future construction. Provided a 3-D topographic Survey from Civil 3-D digital file. Identified Elevations at Three Water crossings and throughout survey corridor including right-of-way to right-of-way. Located all fixed surface features, including traffic stripping along route, overhead utilities, signs, manholes, catch basins, valves/valve boxes and other fixed improvements, as well as took Rim Elevations, Inverts, and Pipe information for utility structures. Client Reference: CDM Smith, Daniel R. Maher, P.E. 305-372-7171

DEBORAH D. SWAIN
Vice President

EXPERTISE

Ms. Swain is the Vice President and Principal of MSA's Financial and Management Consulting Services with over 35 years of experience specializing in utilities, including management, financial planning and modeling, accounting, systems development, rate regulation, rate design, revenue deficiency, and cost of service studies.

EXPERIENCE

Project Manager

Water and Sewer Revenue Bonds – City of Hialeah Water and Sewers Department – FL

Project Manager responsible for directing the work related to the services provided to the City of Hialeah Water and Sewers Department. MSA performed an assessment of the City's financial and operational condition of its water and wastewater system in support of its planned issuance of approx. \$50 million in Water and Sewer Revenue Bonds, Series 2011. Services provided included an evaluation of the systems owned and operated by the city of Hialeah; an analysis of the records and capital improvement programs of the City's department of Water and Sewers, physical inspection of certain water and sewer system facilities, and coordination with rating agencies, counsel, and bond purchasers.

Project Manager

**Financial Feasibility for New RO Water Treatment Plant
City of Hialeah – Hialeah, FL**

Responsible for conducting a financial analysis to determine the feasibility of constructing an Upper Floridian Aquifer reverse osmosis water treatment plant. Analyzed various scenarios considering different phasing schedules and several funding sources. Results will be used by the City to determine whether they will proceed with the construction of the facility, and the appropriate phasing.

Project Manager

**Alternative Water Supply Master Plan
Miami-Dade Water and Sewer Department**

Directing the firms work efforts on several tasks as a subconsultant on the Water Master Plan Team. Primary responsibilities include overseeing development of the monitoring plan for the Coastal Wetlands Rehydration Demonstration Project, research and investigation of large scale aquifer recharge opportunities in South Miami-Dade County and in the Bird Drive Basin, and serve in the lead role in planning and facilitating large scale stakeholder meetings.

Project Manager

**Wastewater Reuse Feasibility Study and Alternative Water Supply Plan
Miami-Dade County Water and Sewer Department**

Directed the financial component of the Reuse Feasibility and Alternative Water Supply Study, including an analysis of the impact on user rates and impact and/or mitigation fees. Directed the public and regulator input workshops by providing facilitation and coordination. Evaluated potential major users by reviewing current large potable water customers, obtaining input from Miami-Dade Parks and Recreation, and other potential user groups.

Project Manager

**Economic Analyses
City of Miami Public Works Department**

Established telecommunication permit fee to charge to private telecommunication companies and toll providers for the use of City of Miami easements, in compliance with Florida Statutes.

ACADEMIC BACKGROUND

B.S. Accounting - Florida State University
– 1976

PROFESSIONAL CERTIFICATION & AFFILIATIONS (Past and Present)

- Miami-Dade A&E Society, Founding President
- Citizens for a Better South Florida - Board of Directors, Treasurer, Past President, Executive Committee
- American Waterworks Association
- Citywide Traffic Advisory Board (Coral Gables), Chairperson
- Gables Good Government Committee, President



Project Manager**Waterworks 2011****City of Ft. Lauderdale Water and Sewer Department**

Directing the financial component of the City's Water and Wastewater ten-year \$700 million Capital Program (Waterworks 2011). The financial plan includes a combination of user fees, connection charges, capital expansions fees, revenue bonds and state revolving fund bonds, and grants. Directed the development of rates, the development and implementation of connection fees, and the development and implementation of miscellaneous charges and capital expansion fees.

Project Manager**Bond Financial Feasibility****City of Ft. Lauderdale Water and Sewer Department**

Directed the financial component of the City of Fort Lauderdale Water and Sewer Department's Bond Feasibility Report in support of the issuance of approximately \$90 million Revenue Bonds.

Project Manager**Bond Feasibility****Broward County Water and Sewer Department**

Directed the financial component of Broward County Water and Sewer Department's Bond Feasibility Report in support of the issuance of approximately \$100 million Revenue Bonds.

Project Manager**Annual Report****Broward County Water and Sewer Department**

Directed the preparation of Broward County Water and Wastewater Engineer's Annual Report in compliance with Bond Resolutions.

Lead Senior Consultant**Contract Management – Post Construction Contract Analysis & Forensic Accounting Services****Miami Dade County Water & Sewer Department**

Participated on project for Miami-Dade County, requiring investigation, analysis, financial determination, and preparation of possible litigation related to the Water and Sewer Department's Pump Station Improvement Program (PSIP). The project required reviewing contracts, payments, invoices, change orders and other documentation to determine potential overpayment under select contracts.

Project Manager / Lead Consultant**Efficiency and Competition****Miami-Dade County Water and Sewer Department**

Coordinated and conducted nearly fifty employee and manager workshops to solicit input from employees to become more efficient. Directed, coordinated and conducted process improvement team workshops to develop implementation strategies. Performed financial analysis to aid in determination of competitiveness of Miami-Dade Water & Sewer Department.

Project Manager**Stormwater Utility Systems****City of Coral Gables, Miami-Dade County, and City of Miami Beach**

Performed analysis of costs for recovery through user fees for several large systems, including Miami-Dade County, City of Coral Gables, and the City of Miami Beach. Developed a preliminary needs analysis for several municipalities in Miami-Dade County by analyzing available information, including the Cities of Hialeah, North Miami, Sweetwater, South Miami, and Medley. Evaluated alternative billing mechanisms, including utility user fees and special assessments, recommend appropriate mechanism. Assisted in establishment of billing, administrative, and customer service department for new stormwater management system in Miami-Dade County.



Manuel G Vera, Jr., PSM

Principal / Senior Surveyor



Education/Training

Bachelor of Science, Legal Studies, Nova Southeastern University, 1994
Associates of Science, Land Surveying, Miami Dade College, 1988

Professional Registration

Professional Surveyor & Mapper, Florida, PSM#5291 (1999)

Years of Experience: 32 Years (with MGV for 32 years)

Office Location: Miami, Florida

Professional Affiliations: Florida Surveying & Mapping Society

Mr. Vera Jr., a registered Land Surveyor has 32 years of experience with the company and throughout the state of Florida. He has managed a variety of survey contracts and projects for the Florida Department of Transportation, Miami – Dade County, Miami-Dade Expressway Authority, City of Miami, and numerous Engineering and Design firms. Mr. Vera has performed and managed all types of surveying services including: Design Surveys, Right-of-Way Control Surveys, Right-of-Way Mapping, Platting, Construction Layouts, As-built Surveys, Drainage Surveys, etc. Mr. Vera is a Senior Surveyor and Mapper and proficient in the latest industry technology, as well as developing and implementing successful management strategies.

Project Experience:

Mr. Vera is the Professional Surveyor and Mapper in responsible charge for all contractual responsibilities. His duties include project management and development, project scheduling and budgeting, negotiations, final quality assurance / quality control of all deliverables before client submission and establishing standards for consultants.

Miami Dade Expressway Authority- General Engineering Consulting Services (GEC B), Miami, FL.

MGV is part of the GEC B team providing a variety of professional surveying services and support for this task driven contract performing miscellaneous survey services for all highways within the Miami – Dade Expressway Authority jurisdiction.

FDOT District 6-Districtwide Miscellaneous Survey Consultant Contracts(C-9D05,C-9C43,C-9M05)

MGV was selected in accordance with the Consultants' Competitive Negotiation Act, and a Request for Qualifications process for an open-ended surveying contract. The objective of these contracts is to provide a variety of on-call survey services and production support for the Florida Department of Transportation District 6 throughout Miami - Dade and Monroe Counties.

Miami Dade County- General Land and Engineering Surveying Services (E12-PWWM-01)

Mr. Vera is the Professional Surveyor and Mapper in responsible charge for all contractual responsibilities. The objective of these contract is to provide a variety of on-call survey services and production support throughout Miami - Dade County.

CLIFF WALTERS

Government Relations

Biography

Cliff Walters is the principal of Cliff Walters Consulting, LLC., established in 2006. In the past nine years, he has assisted a variety of clients in infrastructure design contracts. He served on the Miami Shores Planning and Zoning Board for eight years, serving for four of those years as the Chair. Cliff previously served as a Commissioner on the Florida Board of Pilot Commissioners as a gubernatorial appointee. He currently serves as a member of the Miami-Dade Expressway Authority (MDX).

Cliff Walters spent the over eighteen years working for Miami-Dade County (1981-1999). In 1999, he left Miami-Dade County to join the Meridian International Group lobbying firm headed by a former Miami-Dade County Manager. In August, 2006, he left Meridian amicably to form his own business, Cliff Walters Consulting, LLC.

To provide specific background experience, Cliff's primary focus during his time at Miami-Dade County was governmental relations for various infrastructure departments. He was an Assistant to the County Manager for five years coordinating legislative and policy issues for the various county infrastructure departments including but not limited to the Water and Sewer Department, Public Works Department, Seaport, Airport, Transit Department, Environmental Resource Department (DERM) and Solid Waste. After the Manager's Office, he went to the Water and Sewer Department for six years as the Associate Director in charge of Governmental Affairs. Prior to the Manager's Office, he worked as an Assistant to the Director at DERM for six years and before that at the Transit Department coordinating federal funding for the downtown People Mover.

In December 1999, Cliff joined the local governmental relations firm Meridian International Group. There he spent a total of seven and a half years working on various projects for numerous clients primarily focused on Miami-Dade infrastructure projects.

Cliff Walters Consulting, L.L.C. Post Office Box 531137 Miami Shores, FL 33153-1137
T: 786.218-4790 F: 305.754-9906
Email: cliffwalters@bellsouth.net



Mr. Crooks is the founder of EAC Consulting, Inc. He is an accomplished engineer with more than 30 years of experience. He has provided services to numerous infrastructure agencies including: Miami-Dade County, FDOT, Florida's Turnpike Enterprise, Miami-Dade Expressway Authority, Orlando-Orange County Expressway Authority, Miami-Dade Transit and South Florida Regional Transportation Authority.

RELEVANT EXPERIENCE

PROGRAM MANAGEMENT

General Engineering Consultant – Miami-Dade Expressway Authority

Mr. Crooks has served as the program director for MDX's General Engineering Contract (GEC) between 2004 and 2008. Initially EAC participated as part of a joint venture contract as the sole GEC to MDX; however, upon the creation of two GEC's by MDX, EAC was able to secure the contract to be the GEC for MDX's Construction Program. In this role, EAC is overseeing the construction program of MDX's \$500+million, 5-year work program. MDX has 31 miles of expressways which includes a new 3 mile extension of SR 836 opened in 2007 as the first cashless Open Road Tolling, (ORT) roadway in Miami-Dade County.

Mr. Crooks' primary responsibility included the management and oversight of the GEC work products as assigned by MDX. Mr. Crooks was charged with developing and implementing strategies needed to successfully manage MDX's resources and to assist in the development of a work program for the authority. He was also responsible for the planning and development of projects so as to be able to procure and oversee consultants and contractors in the implementation of the projects. Other services included strategic planning, bond indenture compliance, program controls and public information.

FTL Airport Expansion Program Phase III – Broward County Aviation Department

Principal in charge as part of a team responsible for providing the program management services for the airport's infrastructure improvement and expansion projects as part of the airport's multi-billion dollar expansion.

Program Management Contract- People's Transportation Plan Miami Dade County

Principal in Charge overseeing the Program Management Services for the people's transportation plan for Miami-Dade Transit. EAC is providing project management services, quality assurance, systems engineering oversight, document control and administrative services.

Acceler8 Program Management - South Florida Water Management District

As part of its general engineering consulting contract to the South Florida Water Management District, Mr. Crooks was principal in charge overseeing services on the District's Acceler8 Program (Management) initiative that serves as a

YEARS OF EXPERIENCE: 29

Education

1991 MBA - Florida International University
1985 Bachelor of Science in Civil Engineering- University of Florida

Licenses

Professional Engineer:
Florida - 1990 - 42528

Memberships

International Bridge, Tunnel and Turnpike Association (IBTTA)
Transportation and Expressway Authority Membership of Florida (TEAMFL)
Florida Engineering Society (FES)
American Society of Civil Engineers (ASCE)
National Society of Professional Engineers
Dade County MPO – Transportation Aesthetics Review Comm (TARC)
Heavy Movable Structures

Awards

- FICE/FDOT Outstanding Project Award – Special Projects (2013)
- Consulting Engineer of the Year (2003) - AIA Miami Chapter
- Engineer of the Year (2003) - Florida Engineering Society
- Young Engineer of the Year Award (1999) Florida Engineering Society (Miami Chapter)
- Carlos Arboleya Community Service Award (1996)

major boost for the Everglades restoration plan. EAC provided plans review, project management and administrative services.

TRANSPORTATION ENGINEERING

HEFT Miramar Toll Plaza Dedicated Lanes – FDOT Turnpike

Project Manager for the highway design services for the Miramar Mainline Toll Plaza project which primarily involves the conversion of existing manual lanes to dedicated lanes. Specifically, the project includes:

- Toll Plaza Facility Improvements
- Roadway Improvements
 - Improve Lane Widths
 - Reconfigure Parking Spaces
 - Barrier Wall and Attenuator
 - Taper Impacts
- Drainage and Stormwater Improvements
- Administration Building Expansion and Employee Parking

Meridian Avenue over Collins Canal - FDOT D6

FICE 2002 Engineering Excellence Award

Project Manager for the bridge replacement design services for the Meridian Avenue Bridge over Collins Canal. The project required coordination with the adjacent Holocaust Memorial to incorporate aesthetic treatments. The improvements included: roadway, drainage, signalization, lighting and maintenance of traffic. Specifically, the project included the following: (1) Replacement of the bridge over Collins Canal; (2) Reconstruction of the south approach Meridian Avenue roadway. The reconstruction included the removal of on street parking; thereby allowing for an increase in the width of the west sidewalk. The final roadway configuration included two northbound lanes (one as a turn lane) and one southbound lane; (3) Aesthetic/streetscape improvements included: pigmented cement pavers for the roadbed and bridge, stone pavers for the sidewalk, stone veneer for the vertical surfaces of the bridge, and decorative lighting; (4) Drainage improvements included the installation of a drainage well to dispose of the contaminated water prior to discharge into the Collins Canal and (5) Signalization and non-decorative roadway lighting.

US-1 - Big Pine Key - Key Deer Improvements - FDOT D6

2003 FTBA Best in Construction Award and 2003 AASHTO Environmental Stewardship Award

Project Manager for the roadway and bridge design services required for the provision of under-roadway crossings for the endangered Key Deer which inhabit Big Pine Key in the Florida Keys. The project required that the existing vertical alignment be raised approximately 8ft. to allow for the underpass. US-1 is the only means of access to the Keys, and as such is the evacuation route for the Keys. This required that a temporary detour roadway be constructed to carry the traffic during the construction. Also included is the addition of lanes to US-1 in the City of Big Pine Key and improvements to the Key Deer Blvd. intersection. The project required coordination with the environmental permitting agencies as well as the inhabitants of Big Pine Key.

STRUCTURAL ENGINEERING

Opa Locka Airport Hangar #41 – Miami Dade Aviation Department

Project Manager for the structural engineering services necessary for the repair/reconstruction of this hangar. The project involved structural inspection to document the damage, wind Design analysis in accordance with the present code Requirements, strengthening and repair design, Demolition and repair/reconstruction plans.

Jewfish Creek Bascule Bridge Emergency Repairs

Project Manager for the emergency repairs to the Jewfish Creek Bascule Bridge. The project required an inspection of the steel framed bascule span to determine the damage and the necessary repairs. Plans were produced to repair the



bridge for a five year life. The process of inspection through plan preparation was accomplished in a three week period. The subsequent phases of the contract included shop drawing review and construction support services.

Miramar Multi Service Center

Project Principal overseeing the structural design services for this project. The structural system is composed of masonry walls, concrete frames, steel columns and beams, metal trusses, steel joists and girders with metal deck.

Greynolds Park Campgrounds Restoration – Miami Dade County Parks & Recreation - Miami Gardens

Project Principal overseeing the structural design services for the project. The structures were designed to preserve the architectural character and style of the adjacent existing historic buildings. CBS, timber and rustic stone are the primary construction materials utilized in the campsite structures. Also, part of the wood and stone removed from the existing cabins was reused for the restoration of some structures.

CIVIL ENGINEERING

U.S. Federal Courthouse - Civil Engineering - Federal GSA

Senior Project Manager for the Hydrologic Study and drainage design and permitting services required for the proposed \$120 million Miami Federal Courthouse. The alternatives studied included wells and french drain. The wells were selected as the most cost effective alternative. The drainage design also included an innovative underdrain system to drain a landscaped Art in Public Places feature of the project as well as coordination with the utilities and other infrastructure planned for the site.

Civil design services for Northside Firestation – Miami Dade Aviation Department

Project Manager for the civil engineering design and construction inspection services required for the \$4 million dollar firestation. The scope of work included the utility design required to maintain water and sewer connections, a parking lot, site work, and driveways. The project was done as a design build project. The new 23,510 sf station is located near N.W. 36th Street and 59th Avenue. It consists of apparatus bays, firefighter dorms, the Fire Rescue Aviation Division administrative offices and a new 21st Century training Center.

Needs Assessment Program - Miami-Dade Water and Sewer Department (MDWASD)

Project Principal for the implementation of improvements to the water and sewer service in areas of Dade County that presently experience problems with water and sewer service. These projects typically involve the upgrad of water and sewer lines as well as pump-station upgrades.

Metrozoo "Wings of Asia" Aviary – Miami-Dade County Parks and Recreation Department

Project Manager responsible for the design of utility services (water and sanitary sewer) to the proposed "Wings of Asia" aviary Complex (site previously damaged by Hurricane Andrew in 1992). In addition, Mr. Crooks is also responsible for the paving design as well as the proposed drainage system design.

Miscellaneous Engineering Services - Miami-Dade County Parks and Recreation Department

Project Manager for the provision of miscellaneous engineering services to the Miami-Dade County Parks and Recreation Department. Projects included the site development plans for the Indian Hammocks Park, Westwind Lakes Park, Amelia Earhart Park, and Miami West Park. The projects included: paving, grading and drainage for a proposed parking lot, access roadways, miscellaneous structural designs, and other site improvements. Services included design and plans preparation, permitting, cost estimating and construction management.