

# MARCOS J SOUZA, PE, PMP, CDT

## Director of Aviation/Senior Project Manager

Mr. Souza is a Professional Engineer and Project Management Professional with nearly fifteen years of experience in executive Program / Project management, construction, engineering design on both large and small commercial projects. With a focus on port-of-entry projects Mr. Souza has led multiple project teams at airports both large and small including Miami International Airport and Fort Lauderdale-Hollywood International Airport serving more than sixty million passengers annually. Experienced in all facets of a project from Initiating / Planning, Executing, Control, and Closing Mr. Souza's personal "hands on" approach fosters a team atmosphere facilitating stakeholder engagement for successful delivery of projects. In addition to his management abilities, Mr. Souza is also knowledgeable designer with experiences in the rehabilitation of airport taxiways/runways. This combined design and field experience provides for insight that benefit client's projects as Marcos works to complete their assignments. As Director of Aviation, Mr. Souza is directly responsible for developing and implementing strategic plans for sector growth; developing strategic partnership plans and project delivery approaches; managing corporate aviation portfolio; analyzing and implementing alternate delivery plans; directing and managing multi-discipline teams; initiating and maintaining client contact and serving as a primary point of contact for contractual issues; providing executive level management services and insight; initiating and maintaining client contact; administering scope, budget, schedule and quality; management of technical and administrative support staff.

### CONTACT

MARCOS J SOUZA  
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Coconut Creek, FL 33073  
954-999-8292  
[MARCOSJSOUZA84@GMAIL.COM](mailto:MARCOSJSOUZA84@GMAIL.COM)

### YEARS OF EXPERIENCE

14+

### EDUCATION

BS (Civil Engineering), Florida  
Atlantic University, 2005

### REGISTRATIONS

Professional Engineer:  
2006, Florida, No. 76210  
Project Management Institute  
Project Management Professional  
Construction Specification Institute  
Construction Document  
Technologist

### PROFESSIONAL REGISTRATIONS AND AFFILIATIONS

American Society of Civil Engineers  
(ASCE)  
Project Management Institute (PMI)

### EDUCATION

English, Portuguese (Native),  
Spanish

## EXPERIENCE

### Fort Lauderdale-Hollywood International Airport

- Terminal 4 Federal Inspection Services Expansion; Project Manager; \$140,000,000; (05/2013 – Present)
- Terminal 4 Checked Baggage Inspection System; Project Manager; \$43,000,000; (03/2013 – Present)
- Terminal 4 Apron Expansion Project; Project Manager; \$90,000,000; (05/2013 – 12/2014)
- Terminal 4 Hydrant Fueling System Expansion; Project Manager; \$25,000,000; (01/2012 – 01/2013)
- Terminal 4 Federal Inspection Services & Airline Ticket Office Expansion Phase 1B; Senior Engineer; \$35,000,000; (06/2007 – 12/2008)
- Terminal 4 Concourse H Security Checkpoint Renovations; Senior Engineer; \$500,000; (10/2008 – 12/2008)
- Terminal 2 & 3 Interim Baggage Solution Project; Resident Engineer; \$20,000,000; (11/2006 – 08/2007)
- Pedestrian Bridges, Revenue Control Plaza, and Related Work; Project Engineer; \$10,000,000; (01/2006 – 09/2007)

Miami International Airport; H024C-1 Runway 8R-26L Pavement Rehabilitation Project; Project Engineer; \$30,000,000; (08/2009 – 03/2010)

Owensboro-Daviess County Regional Airport; Terminal Apron Rehabilitation and New Taxiway Connector; Project Engineer; \$250,000; (04/2009 – 07/2009)

### City of Sunrise

- Sawgrass Floridan Well Construction and Aquifer Performance Test; Project Engineer; \$3,100,000; (01/2011 – 01/2012)
- Park City Water Treatment Plant Demolition Project; Project Engineer; \$500,000 (01/2011 – 01/2012)

South Florida Water Management District; Bridge Service Program & Bridge Inspection Program; Project Engineer; \$500,000; (03/2010 – 01/2012)

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Project Management Institute (PMI)

### EDUCATION

English, Portuguese (Native),  
Spanish

## EXPERIENCE

**Fort Lauderdale-Hollywood International Airport; Terminal 4 Federal Inspection Services Expansion; Project Manager; \$140,000,000; (05/2013 – Present):** The expansion of the Terminal 4 Federal Inspection Services Facility to increase passenger processing capacity from eight hundred to approximately two thousand passengers per hour includes a building expansion of approximately thirty-five thousand square feet and renovation of approximately one hundred thousand square feet of existing terminal spaces. The project was separated into multiple phases to ensure continuous operation of Customs and Border Protection (CBP) functions. Six new Baggage Handling System induction lines to four new international baggage claim devices with over nine hundred linear feet of baggage presentation is also included in the project. A major shift from traditional passenger processing will be achieved by consolidating CBP's processing functions on a single level creating a true "One Stop" process for passengers. Not only is the passenger experience improved, but CBP processing efficiencies are enhanced as only one interaction is necessary with non-referred passengers. Mr. Souza's responsibilities include: Managing technical and administrative support staff including direct supervision of an Assistant Project Manager and Project Engineer. Managing design consultants and a Construction Project Management (CPM) staff. Preparing Project Definition Documents and conceptual options for overall scope. Coordinating and leading Design Charrettes with Customs and Border Protection (CBP), Broward County Aviation Department (BCAD), airlines, and Authority Having Jurisdiction to ensure stakeholder engagement in project. Performing technical oversight of design consultant's deliverables. Reviewing and recommending design bulletins. Managing design consultant's construction phase services and CPM during construction. Coordinating project requirements with agencies including CBP, BCAD, airlines, etc. Assisting Owner and managing development of solicitation packages. Reviewing design consultant proposals and invoices. Maintaining and tracking project financial data. Preparation of administrative reports, technical reports, and recommendations for Owner. Coordinating and developing procurement strategies for scope of work. Assisting Owner in design and construction services negotiations. Administering project scope, budget, schedule, and quality. Facilitating resolution of technical and contractual issues.

**Fort Lauderdale-Hollywood International Airport; Terminal 4 Checked Baggage Inspection System; Project Manager; \$43,000,000; (03/2013 – Present):** The scope of this project includes the design and construction of a new in-line baggage screening system capable of screening 1,260 bags per hour. The existing semi-automate system will be replaced with a new system in an air conditioned facility housing baggage conveyors and screening equipment, new

structural foundations, and mechanical, electrical, plumbing and fire protection upgrades. The project is phased, including an interim phase reconfiguration of the existing screening area, to allow construction of the new system while maintaining Transportation Security Administration (TSA) protocols for baggage screening. Only once the new facility is accepted by the TSA will the former screening area be demolished. Mr. Souza's responsibilities include: Managing technical and administrative support staff including direct supervision of an Assistant Project Manager and Project Engineer. Leading the Independent Local Design Team. Managing design criteria consultant and a Construction Project Management (CPM) staff. Performing technical oversight of design criteria consultant's deliverables. Reviewing Design-Builders' deliverables on the Owner's behalf. Managing design criteria consultant's construction phase services and CPM during construction. Coordinating project requirements with agencies including the TSA, Broward County Aviation Department (BCAD), airlines, etc. Assisting Owner and managing development of solicitation packages. Reviewing design criteria consultant proposals and invoices. Maintaining and tracking project financial data. Preparation of administrative reports, technical reports, and recommendations for Owner. Coordinating and developing procurement strategies for scope of work. Assisting County in design and construction services negotiations. Assisting the Owner in development of Design-Build Agreement. Administering project scope, budget, schedule, and quality. Facilitating resolution of technical and contractual issues.

**Fort Lauderdale-Hollywood International Airport; Terminal 4 Apron Expansion Project; Project Manager; \$90,000,000; (05/2013 – 12/2014):** The Terminal 4 Apron Expansion project consisted of the reconfiguration and expansion of the existing Terminal Apron to support the ongoing Terminal 4 Gate Replacement program. Divided into eleven phases to accommodate the airport's growing operations, the project included approximately fifty acres of new Portland Cement Concrete, new water and sewer infrastructure installation, and new drainage revising the airports drainage basins, and environmental remediation of known contaminated site(s). Constant coordination with the Owner's Operations staff was required to ensure all phases were completed in their entirety while meeting the requirements of Federal Aviation Administration (FAA) Advisory Circular 150/5370-2F. Mr. Souza's responsibilities included: Managing technical and administrative support staff. Managing design consultants and a Construction Project Management (CPM) staff. Developing conceptual phasing options. Leading phasing workshops with Owner, design consultant, airline staff to ensure stakeholder engagement in project. Performing technical oversight of design consultant's deliverables. Reviewing and recommending design bulletins. Managing design consultant's construction phase services and CPM during construction. Coordinating project requirements with agencies including the FAA, Broward County Aviation Department, South Florida Water Management District, airlines, Fuel Consortium, etc. Assisting Owner and managing development of solicitation packages. Reviewing design consultant proposals and invoices. Maintaining and tracking project financial data. Preparation of administrative reports, technical reports, and recommendations for Owner. Coordinating and developing procurement strategies for scope of work. Assisting Owner in design and construction services negotiations. Administering project scope, budget, schedule, and quality. Facilitating resolution of technical and contractual issues.

**Fort Lauderdale-Hollywood International Airport; Terminal 4 Hydrant Fueling System Expansion; Project Manager; \$25,000,000; (01/2012 – 01/2013):** The Terminal 4 Hydrant Fueling System Expansion project included a new double-walled pipe system with leak detection to service the new fourteen gate International Concourse G at Fort Lauderdale-Hollywood International Airport. The project was separated into three phases as a result of coordination with adjacent Terminal 4 Gate Replacement projects to ensure fueling availability was coordinated with gate openings. The project included a temporary interruption of the airport's existing fueling loop system requiring the establishment of emergency procedures to ensure that alternate means of fueling aircraft were available for multiple concourses in case of an unforeseen condition. Because the fueling work was performed by the Airline Fueling Consortium, coordination with the Terminal 4 Apron Expansion project was required to ensure that delays were not encountered by either project. Mr. Souza's responsibilities included: Managing technical and administrative support staff. Managing design consultants and a Construction Project Management (CPM) staff. Developing conceptual phasing options during design. Leading phasing workshops with Owner, design consultant, airline staff to ensure stakeholder engagement in project. Performing technical oversight of design consultant's deliverables. Reviewing and recommending design bulletins. Managing design consultant's construction phase services and CPM during construction. Coordinating project requirements with agencies including the Broward County Aviation Department, Florida Department of Environmental Protection, airlines, Fuel Consortium, Authorities Having Jurisdiction. Reviewing design consultant proposals and invoices. Maintaining and tracking project financial data. Preparation of administrative reports, technical reports, and recommendations for Owner. Coordinating and developing procurement strategies for scope of work. Assisting Owner in design and construction services negotiations. Administering project scope, budget, schedule, and quality. Facilitating resolution of technical and contractual issues.

**City of Sunrise; Sawgrass Floridan Well Construction and Aquifer Performance Test; Project Engineer; \$3,100,000; (01/2011 – 01/2012):** This project included the construction of two raw water test wells within the City of Sunrise Sawgrass International Corporate Park for aquifer performance tests. Temporary piping was routed from the raw water well settling area to the nearby Sawgrass Wastewater Treatment Plant. Due to the heavy commercial traffic within the Sawgrass International Corporate Park including several warehouse/distribution centers, different methods for routing the temporary piping were necessary. Above ground installations secured

by soil anchors, temporary open trenches with steel plates, and vertical canal crossings were all utilized to convey the raw water between the wells and the treatment plant. Constant coordination with City officials and local business owners was required to develop Maintenance of Traffic plans that would minimize impacts to the corporate park. Mr. Souza's contributions to the project include: preliminary assessment of existing canal corridors; determination of feasibility of utilizing existing canal corridor for temporary pipeline routing; development and investigation of alternatives for pipeline routing; coordination of proposed temporary pipeline routing with the FDOT and Florida Turnpike Enterprise; conducting property record searches for potentially impacted properties; assisting in the establishment of temporary easements; preparation of exhibits for presentation to City of Sunrise, individual property owners, and Architectural Review Committee; Coordination of surveying activities including Subsurface Utility Engineering (SUE) services;

**City of Sunrise; Park City Water Treatment Plant Demolition Project; Project Engineer; \$500,000 (01/2011 – 01/2012):** The Park City project entailed the demolition of an abandoned Water Treatment Plant. Surrounded by an existing residential community, special precautions were taken to prevent the migration of potentially contaminated materials. Underground utilities running through the footprint of the plant were also rerouted or relocated to ensure continued service to the surrounding areas. Mr. Souza's responsibilities included: Project planning. Developing conceptual options for reuse of area. Reviewing as-built information and developing strategies for remediation of potential contaminated areas. Coordinating permitting requirements with various agencies including the Town of Davie, City of Sunrise, and the Central Broward Water Control District. Developing construction plans and preparing project specifications. Coordinating field activities including completion of a Boundary Survey and Limited Environmental Site Assessment. Developing Engineer's Opinion of Probable Construction Costs (EOPCC) and Probable Construction Project Schedule.

**South Florida Water Management District; Bridge Service Program & Bridge Inspection Program; Project Engineer; \$500,000; (03/2010 – 01/2012):** This project included the inspection of sixteen existing South Florida Water Management (SFWMD) District bridge structures. Above surface and subsurface (i.e. underwater) inspections were performed to determine repairs needed to extend the life of the structures. Following the inspections, Maintenance Construction Design (MCD) Construction Document packages were prepared for seven of the bridges for bidding by the SFWMD. Mr. Souza's inspection responsibilities included: Evaluating existing conditions. Examination of bridge superstructure and substructure. Assessing existing slopes, embankments, and waterway channel features. Identifying and categorizing needed repairs. Coordinating and supervising subsurface inspections of bridges leading a team of four including two divers and spotters. Preparing detailed Bridge Inspection Reports for submittal to the SFWMD. Mr. Souza's design responsibilities included: Designing methods for slope and embankment restoration. Designing superstructure and substructure component rehabilitation and repair methods for miscellaneous deficiencies. Preparing construction documents compliant with SFWMD Standard Specifications, FDOT Standard Specifications for Road and Bridge Construction, and FDOT Standard Indexes. Developing preliminary construction cost estimates.

**Miami International Airport; H024C-1 Runway 8R-26L Pavement Rehabilitation Project; Project Engineer; \$30,000,00; (08/2009 – 03/2010):** Mr. Souza transitioned from the design of the Runway 8R-26L Pavement Rehabilitation project to the Construction Inspection Services (CIS) team managing the construction of the project. Mr. Souza's responsibilities included: coordinating the project schedule to ensure that sequencing requirements were met. Developing and implementing a quality assurance program. Coordinating environmental field/oversight services during construction activities including preparation of Surface Water Pollution Prevention Plan (SWPPP) reports. Reviewing and evaluating the effects of claims, delays, constraints, and changes to the Work while mitigating the Owner's exposure. Negotiating claims. Accumulating, updating, and maintaining project records and documentation. Reviewing Maintenance of Traffic plans to ensure the safety/protection the flying public. Reviewing contractor's requests for payment. Reviewing Requests for Information (RFI) for validity and reasonableness prior to review by the Architect/Engineer of Record. Coordinating independent engineering/test firms for timely submittals of test report records and certification of materials.

**Owensboro-Daviess County Regional Airport; Terminal Apron Rehabilitation and New Taxiway Connector; Project Engineer; \$250,000; (04/2009 – 07/2009):** The rehabilitation portion of the project included the replacement of existing apron slabs to accommodate the airport's expanding commercial service. The scope of the rehabilitation ranged from full depth replacement of slabs along proposed centerlines to spall and crack repair. The project was completed in phases to ensure that portions of the Terminal Apron were always available for use. The New Taxiway Connector created a more direct path between the Terminal Apron and the main runway's parallel taxiway. An expansion of the taxiway edge lighting system was also included in the New Taxiway Connector portion of the work. Mr. Souza's responsibilities during design included: Assisting in the development of multiple alternatives for new taxiway connector and rehabilitation of the existing Terminal Apron. Preparation of taxiway geometry design. Design for airfield lighting relocation. Creation of pavement sections for pavement reconstruction and rehabilitation.

**Miami International Airport; H024C-1 Runway 8R-26L Pavement Rehabilitation Project; Project Engineer; \$30,000,00; (12/2008 – 04/2009):** Project H024C-1 Runway 8R-26L Pavement Rehabilitation included the rehabilitation of Runway 8R-26L, Taxiway M, and Taxiway N. The rehabilitation of Runway 8R-26L required milling one inch of existing asphalt pavements and overlaying with three inches



of asphalt on keel section and connectors. Outside of the keel, existing pavements were texturized and overlaid with two inches of new asphalt. The runway portion of the work also included overlay of existing shoulders, full depth reconstruction of the taxiway pad area between Runways 12-30 and 8R-26L, and grooving of runway surfaces and high-speed connectors. The Taxiway M and Taxiway N work consisted of variable thickness milling and asphalt overlay to restore cross section slope at a width of approximately sixty-two feet. Work was performed in multiple phases to maintain aircraft traffic to and from Miami's two northern runways. Electrical work for Runway 8R-26L, Taxiway M, and Taxiway N included: Taxiway centerline and edge light replacement with LED fixtures; hold bar lighting replacement between Runway 12-30 and 8R-26L; runway and taxiway centerline light replacement; and duct bank and wiring replacement. Mr. Souza responsibilities during design of the project included: Preparing Construction Documents in accordance with current Federal Aviation Administration (FAA) Advisory Circulars (AC), Dade County Aviation Department Standard Technical Specifications, and other applicable standards. Design of proposed Runway/Taxiway Geometry pursuant to FAA AC Airplane Design Group V. Establishment of proposed grading profile and sections. Design of airfield lighting system and homerun routing. Creation of typical Runway/Taxiway pavement sections for pavement reconstruction. Verifying Construction Documents compliance with the Airport's Utilities and Land Development Master Plans. Development of preliminary Construction Cost Estimates.

**Fort Lauderdale-Hollywood International Airport; Terminal 4 Federal Inspection Services & Airline Ticket Office Expansion Phase 1B; Senior Engineer; \$35,000,000; (06/2007 – 12/2008):** This project consisted of expanding and reconfiguring the Terminal 4 Federal Inspection Services Facility (FIS), new Customs and Border Protection (CBP) areas, Buildout of Spirit Airlines offices, new Ticket Counters and airline support offices, new baggage service offices, and a new Baggage Handling System (BHS) screening area. The Terminal 4 FIS work included a 10,000 SF building addition and renovation of approximately 30,000 SF. With the improvements made by the project, Primary Processing Areas alone grew from approximately 8,000 SF to over 16,000 SF. Additional Secondary Processing Areas including new Hold Rooms, Search Rooms, and Hard Secondary Waiting Areas were also added to help improve CBP's processing capacity. The pre-security work included renovation of approximately 30,000 SF within operating airport areas creating twenty-two new ticket counter positions, 8,000 SF Spirit Airlines offices, common-use conference rooms, and 6,000 SF for CBP Administrative Office, etc. BHS upgrades included the addition of three new makeup units and the relocation of existing Explosive Detection System (EDS) units from the Terminal lobby to create a new, semi-automated, exit integrated screening facility. The new screening area housed six CTX 5500 EDS units paired with a dedicated on-screen resolution and Explosive Trace Detection (ETD) workstation. Mr. Souza's responsibilities included: Reviewing contractors and consultant requests for payment. Analyzing and reviewing contractor change order requests. Coordinating work with multiple governmental agencies and tenants including the Transportation Security Administration (TSA), CBP, Broward County Aviation Department (BCAD), Spirit Airlines, etc. Maintaining and tracking project financial data. Preparation of administrative and technical reports. Maintaining and managing Prolog Manager Database. Maintaining and administering construction budget. Reviewing engineering plans and designs. Inspecting and supervising the inspection of construction projects. Reviewing work in place for adherence to plans, specifications and regulations. Advising the contractor on the interpretation of plans and specifications.

**Fort Lauderdale-Hollywood International Airport; Terminal 4 Concourse H Security Checkpoint Renovations; Senior Engineer; \$500,000; (10/2008 – 12/2008):** The Terminal 4 Concourse H Security Checkpoint project was a short, but complex, project requiring constant coordination with the Broward County Aviation Department (BCAD) Operational staff, Fire Marshalls Office, and the Transportation Security Administration. The expansion of the security checkpoint required a protrusion into the existing ramp between the concourse and the terminal that also served as a life safety egress. On the other side, an active TSA Security Checkpoint remained uninterrupted to allow for processing of passengers. Mr. Souza's responsibilities included: Mr. Souza's responsibilities included: Reviewing contractors and consultant requests for payment. Analyzing and reviewing contractor change order requests. Coordinating work with multiple governmental agencies and tenants including the TSA, BCAD, airlines, and the Fire Marshal's Office. Maintaining and tracking project financial data. Preparation of administrative and technical reports. Maintaining and managing Prolog Manager Database. Maintaining and administering construction budget. Reviewing engineering plans and designs. Inspecting and supervising the inspection of construction projects. Reviewing work in place for adherence to plans, specifications and regulations. Advising the contractor on the interpretation of plans and specifications.

**Fort Lauderdale-Hollywood International Airport; Terminal 2 & 3 Interim Baggage Solution Project; Resident Engineer; \$20,000,000; (11/2006 – 08/2007):** A fast paced Baggage Handling System (BHS) project including the construction of three new BHS facilities in two existing terminals. The project included the relocation of Explosive Detection System (EDS) units from the existing Ticket Lobbies to the new ramp level screening facilities and the restoration of finishes in Terminal 2 and Terminal 3 in an operating airport environment. The three new baggage screening facilities were capable of housing five EDS and ten Explosive Trace Detection (ETD)

units, four EDS and twelve ETD units, and four EDS and ten ETD units; respectively. The work was implemented in phases coordinated with multiple stakeholders including the Transportation Security Administration (TSA), multiple airline partners, and the Owner to minimize impacts to existing baggage processing operations while maintaining TSA safety requirements for baggage screening. Mr. Souza's responsibilities included: Reviewing contractors and consultant requests for payment. Analyzing and reviewing contractor change order requests. Coordinating work with multiple governmental agencies and tenants including the TSA, Broward County Aviation Department (BCAD), and multiple airlines including American Airlines and Delta Air Lines. Maintaining and tracking project financial data. Preparation of administrative and technical reports. Maintaining and managing Prolog Manager Database. Maintaining and administering construction budget. Reviewing engineering plans and designs. Inspecting and supervising the inspection of construction projects. Reviewing work in place for adherence to plans, specifications and regulations. Advising the contractor on the interpretation of plans and specifications.

**Fort Lauderdale-Hollywood International Airport; Pedestrian Bridges, Revenue Control Plaza, and Related Work; Project Engineer; \$10,000,000; (01/2006 – 09/2007):** The project was comprised of multiple smaller project including the installation of a twelve (12) lane toll plaza to be used by airport patrons exiting the existing parking garages and administrative offices, underground utility installation, installation of a new sanitary sewer lift station, demolition of existing exit ramps from the existing parking garages, construction of a two (2) lane bridge connecting the existing parking garages, and construction of new parking administration offices. The projects were implemented in sequential phases to minimize impacts to existing airport landside operations and were coordinated with multiple stakeholders including utility owners/vendors, parking administrators, and authorities having jurisdiction. Mr. Souza's responsibilities included: Analyzing and reviewing contractor change order requests. Review of contractor requests for payment. Maintaining and administering construction budget(s). Maintaining and tracking project financial data. Development of preliminary Construction Cost Estimates. Preparation of administrative and technical reports. Maintaining and managing Prolog Manager Database. Reviewing engineering plans and designs. Inspecting and supervising the inspection of construction activities. Reviewing of work in place for adherence to plans, specifications and regulations. Advising the contractor on the interpretation of plans and specifications.