AARON QUESADA, GISP

Education

MS – Environmental, Indiana University, 2005
BA – Biology, DePauw University, 2002

Professional Licenses

Florida Stormwater, Erosion, and Sedimentation Control Inspector Training and Certification Program, #25656

Specialty Certifications

Leadership in Energy and Environmental Design (LEED) Green Building Basics Workshop, Gannett Fleming, Inc.
LEED Green Associate Exam Prep Course, Gannett Fleming, Inc.
Project Development and Environment Training Course, FDOT
Workshop for Wetland Professionals in South Florida, South Florida Association of Environmental Professionals
FDEP Qualified Stormwater Management Inspector
Geographic Information System Professional (GISP) #58706
OSHA 40 Hour HAZWOPER Training
Introduction to DEP SOPs for Surface and Groundwater Sampling Training, UF GeoPlan Center
Project Development & Environment Training Course, Florida Department of Transportation
Workshop for Wetland Professionals in South Florida, SFAEP

Professional Affiliations

Florida Association of Environmental Professionals

Professional Experience

Mr. Quesada has 15 years of combined experience working on a wide variety projects such as, civil and environmental engineering, solid waste/landfill gas management, facility due diligence, contamination assessment & remediation, construction and environmental permitting, and construction oversight. His experience also includes preparing reports, including tabular and graphical presentation of environmental data.

Furthermore, as an environmental consultant, he has worked on several public transit and transportation studies throughout South Florida. He has a strong background in Geographic Information Systems (GIS), GIS modeling, research and data collection, analysis to assist clients in complying with the NEPA process, and preparing the associated documentation required for State and Federal funded projects.

Aaron is proficient in the following software: ArcGIS, ArcCollector, ArcGIS Online, Terrasync, AutoCAD, MS Project, and the use of GPS mobile devices.

Notable projects that Mr. Quesada has been involved in are described below.

Landfill Gas Management & Environmental Services

Flagler Global Logistics, Hialeah, Florida, Countyline Corporate Park (Former Peerless Landfill), 2018 – Present. Senior Project Professional responsible for collaboration with the client to develop this former landfill and evaluate alternatives addressing each of the challenges, considering cost, technical feasibility, likelihood of regulatory approval, and long-term performance. The greatest cost-saving solution involved an integrated stormwater-groundwater remediation system. The system effectively cuts of potential migration of ammonia-impacted groundwater offsite, thereby reducing future risks.

Codina Partners, Hialeah, Florida, Beacon Countyline Development (Former Peerless C&D Landfill) 2018 – Present. Senior Project Professional responsible for collaboration with the client to develop this former landfill and evaluate alternatives addressing each of the challenges, considering cost, technical feasibility, likelihood of regulatory approval, and long-term performance.

Project Experience prior to SCS (Gannett Fleming)

FDOT District Four, South Florida East Coast Corridor Transit Analysis Study, Miami-Dade, Broward, and Palm Beach Counties, Florida. Environmental Scientist. Performed a multi- phased study integrating a Federal Transit Administration New Starts alternatives analysis (AA) and Council of Environmental Quality guidance for NEPA studies. Phase 1 duties included developing and circulating a programmatic environmental impact statement (EIS) for this 85-mile-long corridor study (100 miles with connections). Duties involved the environmental aspects of the tiered programmatic EIS, including the preparation of ancillary environmental documents and reports. Aaron was also responsible for providing data collection, GIS, and Efficient Transportation Decision-Making Process services, with an emphasis on streamlining environmental tasks. Phase 2 duties included evaluating and screening the alternative alignments, modal technologies, station areas, and maintenance facility site locations promoted in Phase 1 and educating stakeholders at public meetings.

FDOT District Six, Miami International Airport Traffic Circulation Improvements/NW 42 Court Extension Project Development and Environment Study, Miami, Florida. Environmental Scientist. Prepared an Advance Notification package and a State Environmental Impact Report. These reports summarized existing conditions with respect to existing roadways, noise- and vibration-sensitive receptors, transit facilities and services, socioeconomic and environmental conditions, and historic properties in the study area and provided a comprehensive overview of several factors that could have potentially influenced work on the proposed project corridor. The project included a new bridge over the Tamiami Canal that was to be located west of the existing bridges and those then under construction in the Central Boulevard/LeJeune Road interchange. Duties involved the environmental aspects of the study, including the preparation of ancillary environmental documents and reports. Aaron was also responsible for providing data collection, GIS, and Efficient Transportation Decision-Making Process services, with an emphasis on streamlining environmental tasks.

FDOT District Six, Historic Swing Bridge Over the Tamiami Canal on NW South River Drive/Delaware Parkway, Project Development and Environment Study, Miami, Florida. Environmental Scientist. Prepared an air quality technical memorandum and various sections of an environmental assessment report, such as those involving community impacts and visual aesthetics. These reports summarized existing conditions with respect to existing roadways, noise- and vibration-sensitive receptors, transit facilities and services, socioeconomic and environmental conditions, and historic properties in the study area and provided a comprehensive overview of several factors that could potentially influence work on the proposed project corridor. Duties involved the environmental aspects of the study, including the running of an air quality screening model using traffic data.

FDOT District Six, Miscellaneous Environmental Services, Pre- and Post- Construction Compliance Services, Miami-Dade and Monroe Counties, Florida. Environmental Scientist. Performed field reviews to identify potential problems with the construction contractor and was involved with the installation of an advanced traffic management system that may have had environmental compliance within the highly sensitive natural resource areas/habitats of the Florida Keys. Work included identifying and documenting habitats and the associated wildlife and making recommendations for the cleanup and stabilization of sensitive sites following construction. A total of 29 locations were identified where preconstruction site meetings to identify erosion control measures, sediment staging, and runoff control measures should be held and where construction and post-construction site inspections should be conducted.

FDOT District Six, City of Miami Beach, West Avenue Bridge Project Development and Environment Study, Miami, Florida. Environmental Scientist. Provided environmental services to evaluate the construction of a new low-level bridge on West Avenue over the Dade Canal. Tasks included data collection, GIS services, NEPA analysis, and documentation required for the production of a Categorical Exclusion Type II. Additional duties involved assisting with the preparation of ancillary documentation and reports such as an endangered species biological assessment, efficient transportation decision-making process services, and QC.

Miami-Dade Expressway Authority, US 1 Express Lanes Project Development and Environment Study, Miami, Florida. Environmental Scientist. Provided environmental services to evaluate modifications and enhancements to the South Miami-Dade Busway (Busway) to allow toll paying, private vehicles to travel on some or all of the Busway, which would operate as a tolled managed lane facility. The proposed project would include improvements to SR 5/US 1 and the Busway from approximately SR 9336/SW 344 Street/Palm Drive to just north of SR 878/Snapper Creek Expressway at SW 80 Street. Tasks included data collection, GIS services, NEPA analysis, and documentation required based on the Class of Action. Additional duties involved the preparation of ancillary environmental documents and reports, efficient transportation decision-making process services, quality control (QC), and the development of a customized GIS data model to screen project alternatives.

Project Experience prior to SCS (TY Lin International)

FDOT District Six/FIU/City of Sweetwater, University City Prosperity Project. Environmental Scientist. TYLI was retained by Florida International University (FIU) to prepare an Advance Notification package and a Reevaluation of a Type II Categorical Exclusion for design changes for the project. These reports summarized existing conditions with respect to existing roadways, transit facilities and services, socioeconomic and environmental conditions, and historic properties in the study area and provided a comprehensive overview of several factors that could have potentially influenced work on the proposed project are. The project included relocation of a new pedestrian bridge landing, addition of a plaza on the north side of the Tamiami Canal. Duties involved the environmental aspects of the study, including the preparation of ancillary environmental documents and reports. Aaron was also responsible for providing technical report preparation, data collection and GIS tasks, with an emphasis on streamlining environmental tasks.

Federal Railroad Administration/All Aboard Florida – Stations LLC, All Aboard Florida Passenger Rail Project from West Palm Beach, FL to Miami, FL; Environmental Scientist. The study focused on a 70-mile segment of the Florida East Coast (FEC) Railway from Downtown Miami, FL to Downtown West Palm Beach, FL. TYLI aided in the preparation of an Environmental Assessment and associated technical reports. Analysis considered physical infrastructure for the existing rail line, environmental considerations, and stakeholder involvement. The overall intent was to return the existing FEC corridor to a dual-track system to allow for the restoration of fast, dependable and efficient passenger service within Southeast Florida.

Publications and Presentations

Quesada, Aaron, Seeburger, Scott, McMullen, Robert, Gilbert David, and El-Aassar, Ahmed. "Transit Noise Modeling Using ArcGIS." Presented at and published in the proceedings of the 2010 Environmental Systems Research Institute (ESRI) International User Conference, July 13, 2010.

Quesada, Aaron, and Michael Laas. "Integrating Environmental Sustainability Into the Design and Operations of High-Speed and Intercity Rail Facilities." Presented at and published in the proceedings of the 2010 Joint Rail Conference, April 28, 2010.

Quesada, Aaron, Seeburger, Scott, McMullen, Robert, Villanueva, Marialuisa, and Laas, Michael. "Using GIS Analysis for Public Involvement and Environmental Justice." Presented at and published in the proceedings of the 2007 Environmental Systems Research Institute (ESRI) International User Conference, June 20, 2007.