Project Related Information

1. Organizational Chart
2. Resumes
3. Proposed Project Schedule
4. Staff Hours
5. Key Contacts
6. Required Certifications
   - Truth-in-Negotiations Certificate
   - Proof of Liability Insurance
   - Aspiration Goal Form for DBE and Non-DBE Small Business Firms
   - Certification of Disclosure of Lobbying Activities
   - Certification Regarding Debarment
   - Vendor Certification Regarding Scrutinized Companies
   - Exempt Documents
   - DBE Participation Statement

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FDOT Project Manager
Kevin Moss, PE

FDOT

Project Manager
Gene Howerton, PE

QA/QC
Hank Deibel, PE

Roadway Design
Roman Blanco, PE
Tim Lease, PE

Maintenance of Traffic
Ali Najafi, PE[1]
Don Drury[1]

Drainage Design/ Permitting
Walter Nemecek, PE
Christian Gyle, PE

Signing & Pavement Marking
Satya Kolluru, PE, PTOE
Wesley Markham, PE

Signal Design
Dante Gabriel, PE[2]
Kathryn Lee, PE[2]

Specifications
Jerry Privette, CSI

Surveying
Matt LaLuzerne, PSM[3]
H. Paul deVivero, PSM[4]

Structures Design
Fares Tannous, PE, PhD[1]

Utility Coordination
Patricia Dickerson[7]

Public Involvement
Megan Olivera[9]

Cultural Resources
Beth Chambless[8]

Wetlands/Species
Tom Roberts[6]

Photogrammetry
Ike Rooks, PSM[5]

Design Subconsultants

CSI - Maintenance of Traffic and Structures[1]
GMB - Signal Design and ITS[2]
Cardno/TBE - Design Survey and SUE[3]
Geodata - Supplemental Survey and Mapping[4]
I.F. Rooks - Photogrammetry[5]
eSciences - Environmental/Permitting[6]
BPA - Utility Coordination[7]
SEARCH - Cultural Resources[8]
Quest - Public Involvement[9]

Gene Howerton, PE

Project Manager

Education

BS, Civil Engineering, University of Florida, 1984

Years of Experience

Total – 28
With ARCADIS – 26

Professional Registrations

Professional Engineer: Florida (No. 46992)

Professional Qualifications

Florida Engineering Society

Mr. Howerton specializes in transportation and traffic design and project management of roadway projects. Design responsibilities include interchange layout, roadway design, drainage design, traffic signal systems, signing and pavement marking, and traffic studies. He is responsible for the technical development of the firm's roadway design and design methodologies.

Relevant Experience

- *I-95 Interchange at LPGA Boulevard, Florida Department of Transportation, District 5, Daytona Beach, Florida, Project Manager:* Preparation of roadway, drainage, and pavement marking plans for a new spread diamond interchange.
- *SR 50, Florida Department of Transportation, District 5, Orange County, Florida, Project Manager:* Design of a 3.5 mile roadway widening project from four-lane rural roadway to a six-lane urban roadway in Orange County. Project is located in highly urbanized area.
- *SR 40, Florida Department of Transportation, District 5, Volusia County, Florida,Project Manager:* Design and permitting for the widening and reconstruction of a 5.6-mile section from a two-lane to four-lane divided highway. Design included eight stormwater collection and management systems, and acquisition of required individual permits from St. Johns River Water Management District.
- *SR 44, Florida Department of Transportation, District 5, Sumter County, Florida, Project Manager:*Design for the widening and reconstruction of a 3-mile section of SR 44 including design of two stormwater collection and management systems.
- *SR 9 (I 95), Florida Department of Transportation, District 5, Volusia County, Florida, Project Manager:* Widening of a 2-mile segment from four to six lanes.
- *SR 15A (Plymouth Avenue to Greens Dairy Road), Florida Department of Transportation, District 5, DeLand Florida, Project Manager:* A "fast track" project included the design and permitting for the widening of a 1.0-mile corridor from a two-lane rural section to a four-lane urban section.
- *SR 520 (Tosahatchee State Preserve to the St. Johns River), Florida Department of Transportation, District 5, Orange County, Florida, Project Manager:* An "environmentally sensitive" project. Included design and permitting for the widening of a 2.2-mile corridor from a two-lane rural section to a four-lane rural section with an innovative "vegetated natural buffer" stormwater treatment system and wildlife protection.
- *SR 15/600, Florida Department of Transportation, District 5, Volusia County, Florida, Project Manager:* Improvements for 2.5 miles of roadway. Project included redesign of two-lane rural section to a four-lane urban section.
- *CR 484, Florida Department of Transportation, District 5, Marion County, Florida, Project Manager:* Reconstruction of 6 miles of existing two-lane roadway to rural four-lane roadway in Marion County. Included preparation of maintenance of traffic plans, roadway design, stormwater analysis, stormwater collection and management design, traffic signal plans, permitting, signing and marking for the I-75 interchange and two county road intersections.

- *I-95 Overland Bridge Replacement Study, Florida Department of Transportation, District 2, Jacksonville, Florida, Project Manager:* A study to analyze the replacement of the existing I-95 overland bridge near downtown Jacksonville. This study reviewed all major and minor issues of replacing such a structure in a highly urbanized area with extreme high volumes of traffic. The major issue was to maintain existing traffic volumes throughout the construction period of a replace in-kind structure for the project. Coordination with the JTA was integral in determining JTA's future expansion needs with the agency's Bus Rapid Transit and Skyway facility underneath the overland bridge facility.
- *SR 9B from I-95 to North of US 1 Design-Build-Finance, Florida Department of Transportation, District 2, Jacksonville, Florida, Engineer of Record:* This innovative project includes the construction of 2 miles of new limited access highway including two new interchanges, eight bridges, 2 million cy of embankment, over 200,000 sf of sound walls and 15,000 LF of storm drainage along with widening 1 mile of I-95.
- *Beach Boulevard and Kernan Boulevard Interchange Design-Build, Jacksonville Transportation Authority, Jacksonville, Florida, Principal-in-Charge:* Design of a new six-lane urban interchange. The structure consists of a 515-foot-long three-span continuous steel plate girder bridge located on a 2,292-foot radius horizontal curve. The project includes a 12-foot multi-use path, sidewalks, signalization, utility relocations and landscaping.
- *I-95 and St. Augustine Road Interchange, Flagler Development Company, Jacksonville, Florida, Engineer of Record:* Improvements include a new partial cloverleaf interchange with two diagonal ramps and two loop ramps, widening St. Augustine Road from an existing two-lane rural section to a four-lane divided urban section, addition of acceleration and deceleration lanes along I-95 and the construction of stormwater treatment facilities. Responsibilities included pavement design, horizontal and vertical geometry design of the roadway and interchange, maintenance of traffic plans, signing and marking plans, and signalization plans. Also designed and permitted the stormwater treatment/collection system and provided plans for relocation of a 16-inch forcemain and addition of a 20-inch reuse main.
- *Plantation Oaks Boulevard over SR 23 (Branan Field and Chaffee Road Design-Build), Florida Department of Transportation, District 2, Clay County, Florida, Engineer of Record:* Replacement of an existing signalized at-grade intersection with a new overpass structure, including substantial lengths of MSE walls to minimize additional right-of-way.
- *SR 9B/US 1 Interchange, Florida Department of Transportation, District 2, Jacksonville, Florida, Engineer of Record:* Design and permitting of a new partial cloverleaf interchange and roadway design of SR 9B, and widening of US 1.
- *SR 26, Florida Department of Transportation, District 5, Gainesville, Florida, Project Manager:* PD&E study for a 3-mile section of SR26 from I-75 to downtown Gainesville. Responsibilities included development of a background traffic report with detailed analysis of existing and future intersections and roadway sections. Traffic analysis included the FSUTMS Gainesville transportation model to study alternatives including additional through lanes, frontage roads and elevated lanes. Preliminary design including typical sections and plans for three alternatives including frontage roads and additional through lanes.

Roman Blanco, PE

Roadway Design

Education

BS, Civil Engineering, University of Florida, 1999

Years of Experience

Total – 15
With ARCADIS – 15

Professional Registrations

Professional Engineer: Florida (No. 60806)

Mr. Blanco is a professional civil engineer specializing in design and project management of roadway projects. His responsibilities include project management, roadway design, maintenance of traffic plans, pavement design, pedestrian facility design, project coordination and quality control.

Relevant Experience

- *SR 482 (Sand Lake Road), Florida Department of Transportation, District 5, Orange County, Florida, Roadway Design:* Widening and reconstruction of a 2.9-mile segment from a four-lane (urban and rural) to a six-lane (urban, rural, and suburban) section. Project also includes improvements at the SR 435 (Kirkman Road) interchange and widening of 0.4 miles of International Drive. Design responsibilities included roadway design and project management.
- *SR 35 (Lion Street to NE 110 Road), Florida Department of Transportation, District 5, Sumter County, Florida, Project Manager:* Widening and permitting of a 2.8-mile, two-lane rural roadway to a four-lane urban/suburban roadway. Responsibilities included project coordination, quality control, budget and schedule control, and overall management of design and permitting activities.
- *SR 50, Florida Department of Transportation, District 5, Orange County, Florida, Roadway Design:* Design of a 3.5 mile roadway widening project from four-lane rural roadway to a six-lane urban roadway in a highly urbanized area.
- *SR 520 (CR 532 to St. Johns River), Florida Department of Transportation, District 5, Orange County, Florida, Roadway Design:* Widening and permitting of a 2.2-mile, two-lane rural section to a four-lane rural section. Design responsibilities included roadway design, signing and marking, maintenance of traffic, and quantity computation manual preparation.
- *SR 35 Design-Build, Florida Department of Transportation, District 5, Sumter County, Florida, Roadway Design:* Concept design and preparation of the design-build request for proposals. The project included design of the bridge and approaches, stormwater ponds, and bays to accommodate six tracks within the CSX right-of-way. Responsibilities included roadway geometric design, closed drainage system design, coordination with the public and adjacent property owners for right-of-way acquisition, and preparation of request for proposal and attached documents.
- *University Boulevard Bridge Replacement over the Arlington River Design-Build, Florida Department of Transportation, District 2, Jacksonville, Florida, Design Project Manager:* This project replaces the structurally deficit bridge over the Arlington River with a two-lane bridge consisting of a single 12-foot travel lane in each direction, bicycle lanes and raised sidewalks. To maintain the existing traffic patterns during construction, a temporary Acrow bridge structure will be utilized during the demolition of the existing bridge and construction of the new bridge. Additional improvements include design of a modified roundabout. The roundabout provides operational and safety enhancements by eliminating the short weaving movement between traffic entering and exiting the south side of the interchange.
- *I-95 Concrete Pavement Rehabilitation, Florida Department of Transportation, District 2, Duval County, Florida, Project Manager:* Preparation of plans and crack maps based on aerial photos and topos to be used by the contractor to rehabilitate concrete pavement along 12.5 miles of I-95 Projects involved

the use of low altitude, high resolution aerials to develop topo and survey of existing roadway damage and coordination with FDOT maintenance to obtain emergency detour plans. Services included field investigation and data collection, upgrade of existing signing and pavement markings to latest standards, development of maintenance of traffic plans, utility coordination, quality control, control surveys and setting targets for aerial photogrammetry.

- *I-95 and St. Augustine Road Interchange, Flagler Development Company, Duval County, Florida, Roadway Design:* A "fast-track" project for the design and permitting of a new partial cloverleaf interchange with two diagonal ramps and two loop ramps, widening St. Augustine Road from an existing two-lane rural section to a four-lane divided urban section, addition of acceleration and deceleration lanes along I-95 and the construction of stormwater treatment facilities. Design responsibilities included horizontal and vertical geometry design of the roadway and interchange, maintenance of traffic plans, and quality control. Also provided plans for relocation of a 16-inch force main and addition of a 20-inch reuse main.
- *SR 105/A1A Ft. George Inlet (Huguenot Memorial Park to Little Talbot Island State Park), Florida Department of Transportation, District 2, Duval County, Florida, Roadway Design:* Realignment of a 1.4-mile, two-lane roadway with future expansion of a bike facility and replacement of the bridge over Ft. George Inlet. Design responsibilities included roadway, ramps, erosion protection, parking facility, sidewalks and utility coordination.
- *I-95 Widening from Indian River County Line to North of SR 60 Design-Build (SR 60 Design Only) Florida Department of Transportation, District 4, Indian River County, Florida, Project Manager:* Widening of approximately 0.75 miles of SR 60 from a four-lane rural roadway to a six-lane suburban roadway. Direct responsibilities included coordination with the prime design consultant, the contractor, and other subconsultants, as well as managing the ARCADIS team to develop plans for construction.
- *Miscellaneous Design Projects, Florida Department of Transportation, District 5, Districtwide, Project Manager:* multiple task works orders including milling and resurfacing and intersection improvement projects. Design responsibilities included project management, pavement design, and roadway design. Projects included:
  - SR 50 Resurfacing (Orange County)
  - SR 426 at SR 426 Intersection Improvements (Orange County)
  - SR 423 Resurfacing (Orange County)
- *Minor Design Projects, Florida Department of Transportation, District 5, Districtwide, Florida, Roadway Design:* More than 45 miles of milling and resurfacing projects. Design responsibilities included project management, pavement design, roadway design, permitting, utility coordination, and development of design exceptions and variations. Projects included:
  - SR 46 Resurfacing (Seminole County)
  - SR 46 Resurfacing (Lake County)
  - SR 5 Resurfacing (Flagler County)
  - SR 40 Resurfacing (Volusia County)
  - SR 200 Resurfacing (Marion County)
  - SR A1A Resurfacing (Flagler County)
  - SR 15/600 Resurfacing (Seminole County)
  - SR 25 Resurfacing (Lake County)
- *Enhancement Projects, Florida Department of Transportation, District 2, Districtwide, Florida, Roadway Design:* Design and safety analysis of six pedestrian facilities including sidewalk design, roadway shoulder design, utility coordination and cost estimates. The facilities included:
  - Lewis Speedway Sidewalk (CR 16A)
  - Fernandina Sidewalk CR 105A
  - Greenbriar Road Sidewalk
  - A1A Sidewalk
  - Melrose SR 21 Sidewalk
  - Interlachen CR-305 Sidewalk

Tim Lease, PE

Roadway Design

Education

BS, Civil Engineering, University of Florida, 2005

Years of Experience

Total – 9
With ARCADIS – 9

Professional Registrations

Professional Engineer: Florida (No. 71500)

Mr. Lease is a Professional Engineer with experience in roadway design. Responsibilities include pavement design, roadway horizontal and vertical alignment, project and construction schedules, cost estimation, maintenance of traffic plans, pond siting, and calculation of construction quantities.

Relevant Experience

- *SR 35, Florida Department of Transportation, District 5, Sumter County, Florida, Roadway Design:* Reconstruction of a 2.8-mile roadway from a two-lane rural section to a four-lane urban and suburban section just outside Wildwood, Florida. Responsibilities included horizontal alignment, proposed cross sections, construction schedule, calculation of quantities, and pavement design.
- *SR 482 (Sand Lake Road), Florida Department of Transportation, District 5, Orange County, Florida, Roadway Design:* Widening and reconstruction of a 2.9-mile roadway from a four-lane urban and rural section to a six-lane urban, rural, and suburban section, from Turkey Lake Road to Shingle Creek in Orlando, Florida. The project included an interchange at SR 435 (Kirkman Road) and the widening/improvement of 0.4 miles of International Drive. Responsibilities included pavement design and construction scheduling.
- *SR 50 (West Colonial Drive), Florida Department of Transportation, FDOT District 5, Orange County, Florida, Roadway Design:* Reconstruction of a 3.5-mile roadway from a four-lane rural section to a six-lane urban section between Good Homes Road and Pine Hills Road in Orlando, Florida. Design responsibilities included maintenance of traffic plans, roadway plans, and construction scheduling.
- *SR 19, Florida Department of Transportation, District 5, Lake County, Florida, Roadway Design:* Addition of a two-way left turn lane along a two-lane rural roadway in the vicinity of the Pittman Work Center in Lake County. The project included widening and cross-slope correcting 0.5 miles of SR 19. Project responsibilities included roadway and drainage design, signing and pavement marking, and calculation of quantities.
- *SR 40, Florida Department of Transportation, District 5, Lake County, Florida, Roadway Design:* Addition of a left turn lane into the Lake George Ranger Station. The project included resurfacing and cross-slope correcting 0.9 miles of SR 40. Project responsibilities included roadway and drainage design, signing and pavement marking, and calculation of quantities.
- *SR 15/600, Florida Department of Transportation, District 5, Seminole County, Florida, Roadway Design:* Resurfacing 1.1 miles of a four-lane rural roadway from Lake Mary Boulevard to Airport Boulevard in Seminole County. Project responsibilities included roadway design, long-range estimating, and calculation of quantities.
- *SR A1A, Florida Department of Transportation, District 5, Flagler County, Florida, Roadway Design:* Resurfacing 3.4 miles of a two-lane rural roadway from the Volusia/Flagler County line to South 13th Street in Flagler Beach. Project responsibilities included roadway design, long-range estimating, and calculation of quantities.

- *I-95 Overland Bridge Replacement Study, Florida Department of Transportation, District 2, Duval County, Florida, Roadway Design:* Study to analyze the replacement of an elevated section of I-95 near downtown Jacksonville. The study included plans for the reconstruction of I-95 from a five- to six-lane section, 17 bridge widenings or replacements, the creation of northbound and southbound Collector-Distributor systems, and the addition of a new interchange in the area of Atlantic Boulevard and Philips Highway. Responsibilities included the preparation of Design Exceptions and Variations, roadway design, horizontal alignments, pavement design, quantity estimates, drainage analysis, and pond siting.
- *SR 9A (I-295) Widening, Florida Department of Transportation, District 2, Duval County, Florida, Roadway Design:* Widening 7.6 miles of freeway from four to six lanes, from the Dames Point Bridge to I-95. The project includes the widening of 20 bridges and the addition of a managed lane in each direction of travel. Design responsibilities include roadway design, pavement design, maintenance of traffic plans, and calculation of quantities.
- *SR 9B, Florida Department of Transportation, District 2, Duval County, Florida, Roadway Design:* Construction of a new 2.8-mile four-lane limited-access roadway from I-95 to US 1 in Jacksonville, Florida. The project includes the construction of a new partial-cloverleaf interchange with I-95 and completion of the interchange with US 1. It also involves widening 2.1 miles of I-95 from six to eight lanes and widening nearly 1 mile of US 1 from a four-lane rural section to a six-lane urban section. Design responsibilities include roadway plans preparation, maintenance of traffic plans, and calculation of quantities.
- *I-95 Concrete Rehabilitation (North), Florida Department of Transportation, District 2, Duval County, Florida, Roadway Design:* Concrete pavement rehabilitation of 5.1 miles of a six-lane freeway from south of Butler Boulevard to San Diego Road. The project included the addition of 3,000 feet of sound barrier in the vicinity of San Diego Road and the construction of 14 overhead guide signs as part of the Safe Mobility for Life Program. Design responsibilities included field inspection and crack analysis, roadway plans preparation, sound barrier horizontal and vertical alignment, maintenance of traffic plans, guide sign placement, pavement design, and calculation of quantities.
- *I-95 Concrete Rehabilitation (South), Florida Department of Transportation, District 2, Duval County, Florida, Roadway Design:* Concrete pavement rehabilitation of 6.3 miles of a six-lane freeway from Greenland Road to south of Butler Boulevard. The project included the construction of 41 overhead guide signs as part of the Safe Mobility for Life Program. Design responsibilities included field inspection and crack analysis, roadway plans preparation, maintenance of traffic plans, guide sign placement, pavement design, and calculation of quantities.

Walter Nemecek, PE

Drainage Design

Education

BS, Civil Engineering, University of Florida, 1996

Years of Experience

Total – 17
With ARCADIS – 17

Professional Registrations

Professional Engineer: Florida (No. 58122)

Professional Qualifications

American Society of Highway Engineers
Institute of Transportation Engineers
Florida Institute of Consulting Engineers

Mr. Nemecek has extensive design and management experience for drainage and roadway design proejcts. His transportation engineering proficiency has been demonstrated on projects ranging from complex limited access roadway design to pedestrian facilities and intersection improvements. He has demonstrated industry leading drainage expertise in stormwater design, planning and permitting utilizing the latest adopted pollution removal techniques and practical design elements to provide the most economical long-term solutions.

Relevant Experience

- *I-4 and Wymore Road Drainage Study, Florida Department of Transportation, District 5, Altamonte Springs, Florida, Project Manager:* This drainage study is limited to the areas impacted from improvements to SR 436, Wymore Road and I-4 south of SR 436. The study was in response to local resident complaints of existing flooding and concerns that improvements would worsen the situation. We reviewed existing construction plans, permits, and site conditions to comprehensively model the area. The resulting report provided multiple recommendations to improve flooding of adjacent properties and verified the proposed design will improve flooding in the area.
- *I-10 and Hammond Boulevard Interchange Design-Build, Florida Department of Transportation, District 2, Jacksonville, Florida, Drainage Project Manager:* Drainage design and permitting of the new diamond interchange on I-10 west of I-295. Our innovative design removed over 5,000' of drainage pipe, dozens of structures and deepened ponds to balance earthwork on-site. Cost savings resulted from applying HB 599 which allows offsite co-mingling within treatment systems. We performed a detailed nutrient removal analysis to substantiate our design to the St. Johns River Water Management District. Design improvements saved over $2 million, months of construction and future maintenance costs.
- *I-95 Overland Bridge Replacement Study, Florida Department of Transportation, District 2, Jacksonville, Florida, Design-Build Plans Review Manager/Drainage Design Manager:* Prepared construction concept plans for the replacement of more than 2 miles of existing I-95 and the overland Bridge. The new roadway includes six travel lanes for I-95 and four collector distributor lanes throughout the corridor. Drainage design challenges included temporary drainage collection in four construction phases, detailed stormwater modelling in a flood prone area and stormwater treatment and pond siting in and extremely urbanized location.
- *SR 21 (Blanding Boulevard), Florida Department of Transportation, District 2, Clay County, Florida, Engineer of Record and Project Manager:* Drainage design and permitting corresponding to widening 4 miles of SR 21 from the Black Creek Bridge to Old Jennings Road from a four-lane rural to six-lane urban arterial roadway. Design responsibilities include the drainage collection system, pond siting, stormwater treatment facilities, US Army Corpse of Engineers and St. Johns River Water Management District permitting, Intelligent Transportation Systems, lighting, and quality control.
- *SR 9A Widening, Florida Department of Transportation, District 2, Jacksonville, Florida, Drainage Design Manager:* Drainage design and permitting of SR 9A from the Dames Point Bridge to I-95 widening to eight-lanes. The widening

includes four general use lanes and four managed lanes. Project responsibilities include managing stormwater treatment/collection system design, pond siting and permitting.

- *US 1 and SR 312 Intersection Improvements, St. Johns County, St. Augustine, Florida, Engineer of Record and Project Manager:* Expansion of the intersection of US 1 and SR 312, including dual left turn lanes and a designated right turn lane for each of the four legs in the intersection. These improvements were identified in an area-wide traffic study performed for widening of SR 207 and included widening to accommodate designated bike lanes and a new northbound through lane. The design also included a new right turn lane for Bartola Genovar Road, extending the left turn lane on the SR 312 east approach, adding a new right turn lane and bike lane on SR 312 at Old Moultrie Road, and nine new mast arm signals at the affected intersections. Design responsibilities included horizontal and vertical geometry, drainage structures, signal design, striping plans, special intersection geometry, maintenance of traffic design, and plan production.
- *Dobbs Road/Kings Road/Kings Estate Road Intersection Redesign, St. Johns County, St. Augustine, Florida, Project Manager:* Realignment of the dangerous offset intersection at Dobbs Road, Kings Estate Road, and Kings Road as required by the SR 20 /SR 312 area-wide study. In addition to intersection upgrading and realignment an elaborate drainage model, conveyance system and stormwater facility was designed to alleviate historical flooding along Dobbs Road.
- *First Coast Outer Beltway, Florida Department of Transportation, District 2, St. Johns County, Clay County and Duval Counties, Florida:* Project manager for the St. Johns River Water Management District and US Army Corpse of Engineers permitting of the proposed 46.5 miles limited access toll facility that includes the St. Johns River Crossing Corridor in St. Johns and Clay Counties and the Branan Field-Chaffee Road (SR-23) project in Clay and Duval Counties. This “fast track” project is composed of a mostly new alignment with 13 new interchanges and over 120 stormwater treatment facilities. The project will be permitted for expansion to an eight-lane interstate facility that will also meet the new state stormwater criteria (draft March 2008) for nitrogen and phosphorus pollutant removal.
- *SR 9B/US 1 Interchange, Florida Department of Transportation, District 2, Jacksonville, Florida:* Project engineer for the design and permitting of a new partial cloverleaf interchange and roadway design of SR 9B, and widening of US 1. Project responsibilities included stormwater treatment/collection system design and permitting.
- *SR 23 (Branan Field/Chaffee Road) Phase I, Florida Department of Transportation, District 2, Jacksonville, Florida:* Project manager for the permitting and drainage design of the north section of the 5-mile new alignment of a limited access interstate facility. The proposed two-lane roadway extends from 103rd Street to I 10 with a full cloverleaf interchange at I 10. Permitting responsibilities for the project included stormwater, wetland impacts. Design responsibilities included stormwater treatment and attenuation facilities design, offsite conveyance systems, outfall systems, and erosion protection.
- *SR-23 (Branan Field/Chaffee Road) Phase II, Florida Department of Transportation, District 2, Jacksonville, Florida:* Project manager for the drainage design of the north section of the 5-mile new alignment of a limited access interstate facility and the roadway deign of the partial cloverleaf interchange at New World Avenue. The proposed two-lane roadway extends from 103rd Street to I 10 with a full cloverleaf interchange at I 10 and partial cloverleaf interchanges at 103rd Street, Normandy Boulevard, New World Avenue and US 90. Permitting responsibilities for the project included stormwater, wetland impacts. Drainage design responsibilities included stormwater treatment and attenuation facilities design, offsite conveyance systems, outfall systems, and erosion protection. Roadway design responsibilities included the horizontal and vertical geometry design of the mainline and ramps in the SR-23/New World Avenue interchange area.

Christian Gyle, PE

Drainage Design

ARCADIS
Infrastructure · Water · Environment · Buildings

Education

BS, Civil Engineering, University of Florida, 2003

Years of Experience

Total – 12
With ARCADIS – 12

Professional Registrations

Professional Engineer: Florida (No. 69159)

Mr. Gyle is experienced in the design of roadway and land development projects. His design responsibilities include data collection, roadway horizontal and vertical alignment, proposed cross sections, maintenance of traffic plans, signal design, signing and marking design, stormwater design and modeling, development of calculation books for stormwater facilities, stormwater permitting, and pedestrian facility design and safety analysis.

Relevant Experience

- *SR 21 (Blanding Boulevard), Florida Department of Transportation, District 2, Clay County, Florida, Drainage Engineer:* Drainage design and permitting for the widening of 4 miles of SR 21 from the Black Creek Bridge to Old Jennings Road from a four-lane rural to six-lane urban arterial roadway. Design responsibilities include the drainage collection system design, pond siting, stormwater treatment facility design, US Army Corps of Engineers and St. Johns River Water Management District permitting and quality control.
- *SR 9B/US 1 Interchange, Florida Department of Transportation, District 2, Jacksonville, Florida, Drainage Engineer:* Design and permitting of a new partial cloverleaf interchange and roadway design of SR 9B, and widening of US 1. Project responsibilities included stormwater treatment/collection system design and permitting.
- *Racetrack Road Turn Lane at Durbin Creek Boulevard, St. Johns County, St. Augustine, Florida, Drainage Engineer:* Addition of a 900-foot right turn lane for eastbound traffic on Racetrack Road at the intersection with Durbin Creek Boulevard and subsequent drainage design. Drainage responsibilities included adding structures and regrading the adjacent ditch to maintain existing drainage design. Roadway design responsibilities included the horizontal and vertical geometric design of the turn lane and return at Durbin Creek Boulevard, proposed cross sections, and calculating earthwork quantities.
- *Dobbs Road/Kings Estate Road/Kings Road Intersection Realignment, St. Johns County, Florida, Drainage Engineer:* Drainage responsibilities included stormwater treatment and attenuation facilities design, conveyance systems, outfall systems, compiling a calculation booklet and obtaining a stormwater permit. Further drainage design included developing a complex drainage model of the affected watershed. Roadway design responsibilities included producing multiple new alignments for the intersection study and horizontal and vertical alignment of the client's preference.
- *CR 13 Culvert Extensions, St. Johns County, St. Augustine, Florida, Drainage Engineer:* Design and permitting of 25 cross drain extensions to remove drop-off hazards from the clear zone, based on Florida Department of Transportation RRR criteria. Design responsibilities included geometric and structural design for each extension, ditch re-grading, drainage modeling, typical section improvement and maintenance of traffic.
- *First Coast Outer Beltway (FCOB), Florida Department of Transportation, District 2, St. Johns County, Clay County and Duval Counties, Florida, Drainage Engineer:* Design engineer for the US Army Corps of Engineers and St. Johns River Water Management District permits of the proposed 46.5-mile limited access toll facility that includes the St. Johns River Crossing Corridor in St. Johns and Clay Counties and the Branan Field-Chaffee Road (SR 23)

project in Clay and Duval Counties. This “fast track” project is composed of a mostly new alignment with 13 new interchanges and over 120 stormwater treatment facilities. The project will be permitted for expansion to an eight-lane interstate facility that will also meet the new state stormwater criteria (draft March 2008) for nitrogen and phosphorus pollutant removal. Design responsibilities included drainage design and plans production.

- *SR 23 (Branan Field Chaffee Road) Phase I, Florida Department of Transportation, District 2, Jacksonville, Florida, Drainage Engineer:* Design engineer for the roadway and drainage design of the north section of the new 5-mile limited access interstate facility. The proposed two-lane roadway extends from 103rd Street to I-10 with a full cloverleaf interchange at I-10. Drainage design responsibilities included generating proposed cross sections and calculating earthwork quantities for attenuation facilities.
- *SR 23 (Branan Field Chaffee Road) Phase II, Florida Department of Transportation, District 2, Jacksonville, Florida, Drainage Engineer:* Design engineer for the drainage design of the north section of the new 5-mile limited access interstate facility and the roadway design of the partial cloverleaf interchange at New World Avenue. The proposed two-lane roadway extends from 103rd Street to I-10 with a full cloverleaf interchange at I-10 and partial cloverleaf interchanges at 103rd Street, Normandy Boulevard, New World Avenue and US 90. Drainage design responsibilities included generating proposed cross sections and calculating earthwork quantities for attenuation facilities. Roadway design responsibilities included the horizontal and vertical geometry design of the mainline and ramps in the SR 23 and New World Avenue interchange area.
- *CR 484, Florida Department of Transportation, District 5, Marion County, Florida, Project Engineer:* Design of the widening and reconstruction of a 4.9-mile section from a two-lane to a four-lane rural section with a small four-lane urban section at the beginning. Design responsibilities included conversion of metric plans to English plans, median geometry design, and stormwater system design.
- *Moncrief Creek Flood Control, City of Jacksonville, Jacksonville, Florida, Project Engineer:* Design for the development of 0.34 miles of an existing creek into an attenuation and storage facility to reduce local flooding. Design responsibilities included geometry and drainage design of cul-de-sac relocation, and coordination.
- *Pine Forest Drainage Improvements, City of Jacksonville, Jacksonville, Florida, Project Engineer:* Upgrading the drainage systems for a 177-acre parcel of residential and light commercial land and providing treatment for stormwater runoff. Design responsibilities included stormwater treatment and attenuation facilities design, conveyance systems, outfall systems, and calculation booklet development.
- *Lake Forest Drainage Improvements (Phase II), Jacksonville Electric Authority (JEA), Jacksonville, Florida, Drainage Engineer:* Drainage improvements coupled with water and sewer upgrades and roadway widening for 42 acres of a Lake Forest neighborhood. Roadway design responsibilities included vertical alignment and widening of roads. Drainage design responsibilities included stormwater treatment and attenuation facilities design, conveyance systems, and outfall systems.
- *Lake Forest Drainage Improvements (Phase III), Jacksonville Electric Authority (JEA), Jacksonville, Florida, Drainage Engineer:* Drainage improvements coupled with water and sewer upgrades and roadway widening for 148 acres of a Lake Forest neighborhood. Roadway design responsibilities included vertical alignment and widening of roads. Drainage design responsibilities included stormwater treatment and attenuation facilities design, conveyance systems, outfall systems, and coordination with the Florida Department of Transportation.

Wesley Markham, PE

Signing and Pavement Marking

Education

ME, Environmental Engineering, University of Florida, 2011
BS, Civil Engineering, University of Florida, 2003

Years of Experience

Total – 11
With ARCADIS – 11

Professional Registrations

Professional Engineer: Florida (No. 68428)

Mr. Markham has 11 years of experience in the design and coordination of roadway and drainage projects. His design responsibilities include roadway horizontal and vertical alignment, stormwater pond design and modeling, open and closed drainage conveyance system design and modeling, roadway plans production, pond siting, public involvement, proposed cross sections, maintenance of traffic plans, signing and pavement marking plans, pedestrian facility design, acquisition of required governing agency permits, long range estimating, CPM scheduling, calculation of construction quantities for Florida Department of Transportation computation books, data collection, and report preparation.

Relevant Experience

- *SR 35, Florida Department of Transportation, District 5, Sumter County, Florida, Project Engineer:* Roadway design, drainage design and permitting of a 2.7-mile reconstruction of an existing two-lane roadway to a four-lane divided urban and suburban highway. Design responsibilities included roadway geometric design, open and closed drainage system design, and subconsultant and public coordination.
- *SR 35 Design-Build, Florida Department of Transportation, District 5, Sumter County, Florida, Project Engineer:* Concept design and subsequent preparation of the design-build request for proposal for this bridge over the CSX railroad. Responsibilities included roadway geometric design, closed drainage system design, coordination with the public and adjacent property owners for right-of-way acquisition, and preparation of request for proposal and attached documents.
- *SR 50, Florida Department of Transportation, District 5, Orange County, Florida, Design Engineer:* Design of a 3.5-mile roadway widening and reconstruction project from a four-lane rural roadway to a six-lane urban roadway in Orange County. Project is located in a highly urbanized area. Responsibilities included proposed cross sections, roadway plans preparation, long range estimating, and CPM scheduling.
- *SR 9B Design-Build, Florida Department of Transportation, District 2, Duval County, Florida, Design Engineer:* Construction of a new 2.8-mile four-lane limited-access roadway from I-95 to US 1 in Jacksonville, Florida. The project includes the construction of a new partial-cloverleaf interchange with I-95 and completion of the interchange with US 1. It also involves widening 2.1 miles of I-95 from six to eight lanes and widening nearly one mile of US 1 from a four-lane rural section to a six-lane urban section.
- *SR 200 Design-Build, Florida Department of Transportation, District 2, Nassau County, Florida, Project Engineer:* Widening of just over 6 miles of SR 200 (US 301) from two to four lanes. The proposed roadway consists of 2.3 miles of a four-lane divided urban typical section followed by 3.8 miles of a four-lane divided rural typical section. This widening also includes the replacement of two bridge structures. Design responsibilities included design-build proposal preparation, roadway and drainage design, plans production, final plans and post-design services.
- *SR A1A Erosion Protection Study, Florida Department of Transportation, District 2, St. Johns County, Florida, Design Engineer:* A study of the protection

of SR A1A from coastal erosion to determine alternatives to prevent damage to SR A1A during severe storm events, such as hurricanes and nor'easters. Responsibilities included roadway design, drainage design, maintenance of traffic design, public involvement, and report and plans preparation.

- *I-95 Overland Bridge Replacement Study, Florida Department of Transportation, District 2, Duval County, Florida, Design Engineer:* A study to analyze the replacement of the existing I-95 overland bridge section near the downtown Jacksonville area. Design responsibilities included preparation of the pond siting report, field investigation of existing drainage, and proposed drainage design.
- *SR 23, First Coast Outer Beltway, Florida Department of Transportation, District 2, St. Johns, Clay, and Duval Counties, Florida, Design Engineer:* Design engineer for the drainage design and permitting of a 45.4-mile proposed design of a limited access highway. Design responsibilities included drainage design, plans production and assembling permitting documents.

Satya Kolluru, PE, PTOE, PTP

Signing and Pavement Marking

Education

Ms, Transportation Engineering, University of Cincinnati, 2006
BS, Civil Engineering, Andhra University, Visakhapatnam, India, 2002

Years of Experience

Total – 12
With ARCADIS – 1

Professional Registrations

Professional Engineer: Florida (No. 74386); Ohio (No. 74459)
Professional Traffic Operations Engineer
Professional Transportation Planner, 2009

Professional Qualifications

Institute of Transportation Engineers
Institute of Transportation Engineers (ITE) First Coast Chapter, Jacksonville, FL

Mr. Kolluru has over 12 years of experience in transportation engineering, planning and PD&E with emphasis on traffic operations and safety, signal design, intelligent transpiration system design, travel demand modeling, geometric design, and environmental impact analysis. He is experienced in conducting preliminary systems planning, traffic impact analyses and extremely skillful in the use of traffic simulation software. Mr. Kolluru is skilled in traffic signal optimization techniques, traffic signal design, MOT sequencing, signing and pavement marking design, and traffic control plans. His strengths involve traffic modeling, design software, problem solving skills, planning, organization and report writing.

Relevant Experience

- *University Boulevard Roadway and Drainage Improvements, City of Jacksonville, Jacksonville, Florida, Traffic Engineer:* Responsible for the signing and pavement marking, traffic control plans, detour plan and utility adjustments.
- *Townsend Boulevard Roadway and Drainage Improvements, City of Jacksonville, Jacksonville, Florida, Traffic Engineer:* Responsible for the signing and pavement marking, traffic control plans, detour plan and utility adjustments along Townsend Boulevard.
- *Southwest 62nd Boulevard Connector (SR 24 to SR 26) PD&E Study, Alachua County, Alachua, Florida, Traffic Engineer:* Responsible for the operational and environmental impacts analysis and performed alternatives evaluation for this PD&E study. Developed design alternatives and analyzed associated environmental impacts using ArcGIS. Developed the Traffic, Environmental Assessment (EA) and the Preliminary Engineering Reports. Responsible for the development of the Safety Analysis.
- *Southwest 8th Avenue Connector Roadway Design, Alachua County, Alachua, Florida, Traffic Engineer:* Responsible for the signing and pavement markings, traffic signal design, traffic control plans, operational and alternatives analysis.
- *Southwest 40th Boulevard at SR 24 Archer Road Intersection Improvement Alachua County, Alachua, Florida, Traffic Engineer:* Responsible for the signing and pavement markings, traffic signal design, operational and alternatives analysis for this project.
- *Southwest 20th Avenue at Southwest 43rd Street Intersection Improvement, Alachua County, Alachua, Florida, Traffic Engineer:* Responsible for the signing and pavement markings, traffic signal design, operational and alternatives analysis for this project.
- *Smart Bus Bay on Southwest 20th Avenue Improvement, Alachua County, Alachua, Florida, Traffic Engineer:* Responsible for the signing and pavement markings, traffic signal design, operational and alternatives analysis.
- *Intelligent Transportation Systems (ITS) Master Plan Update, North Florida Transportation Planning Organization, Jacksonville, Florida, Project Engineer:* Responsible for the development of the ITS Master Plan for the North Florida region. Identified the short-and long-term ITS projects necessary for the region. Developed cost estimates and identified the individual benefits of each project and provided a priority list.

- *Long Range Transportation Plan (LRTP) 2040 Update, North Florida Transportation Planning Organization, Jacksonville, Florida, Project Engineer:* Responsible for the LRTP update for the North Florida region. Engineer responsible for the traffic demand modeling and Socioeconomic data preparation.
- *Long Range Transportation Plan (2035) Models Review, North Florida Transportation Planning Organization (NF TPO), Jacksonville, Florida, Quality Reviewer:* Independent review of the Long Range Transportation Plan (LRTP 2035) Models developed by the North Florida Transportation Planning Organization. Developed GIS based analysis tools to identify the model deficiencies. Traffic Analysis Zones (TAZs) data was reviewed and modification suggested.
- *Regional Strategic Safety Plan, North Florida Transportation Planning Organization, Jacksonville, Florida, Project Engineer:* Responsible for the preparation of a Regional Strategic Safety Plan for the North Florida region. Performed safety analysis using ArcGIS and identified crash hot-spot locations.
- *Argyle Forest Boulevard Traffic and Safety Study, North Florida Transportation Planning Organization, Jacksonville, Florida, Project Engineer:* Responsible for the development of a Traffic and Safety study within the Argyle Forest Boulevard region in North Florida. Designed various roadway concepts to relieve existing traffic congestion. Recommended the development of a Safety Campaign to address aggressive driving within the region.
- *Argyle Forest Boulevard Safety Campaign, North Florida Transportation Planning Organization, Jacksonville, Florida, Project Engineer:* Responsible for the development of the Traffic Safety Campaign material using ArcGIS. Created ArcGIS temperature charts for the Argyle Forest region and designed traffic safety workshops to inform the study findings and recommendations to the public.
- *St. Augustine Mobility Institute, North Florida Transportation Planning Organization, Jacksonville, Florida, Project Engineer:* Responsible for the operational analysis and public information campaign material for the project. Conducted public information campaigns within St. Augustine providing information on the three heavily congested corridors in the region.
- *I-75/US 441 Interchange Modification Report, Florida Department of Transportation, District 2, Jacksonville, Florida, Traffic Engineer:* Task leader responsible for the development of the Interchange Modifications Report necessary for the federal action for the PD&E Study. Developed the Interchange Modification Report and performed the necessary operation analysis.
- *SR 202 (J.T. Butler Boulevard)/I-95/US-1 Interchange PD&E Study, Jacksonville Transportation Authority, Jacksonville, Florida, Project Engineer:* Responsible for the operational and environmental impacts analysis of the PD&E study for this complex interchange. Developed the Preliminary Engineering, Project Development Summary, and the Type II Categorical Exclusion Reports. Task leader responsible for the development of the Interchange Modification Report necessary for the required federal action for the project.
- *Congestion Management Plan (CMP) Update, North Florida Transportation Planning Organization, Jacksonville, Florida, Project Engineer:* Responsible for the development of the Regional Congestion Management Plan (CMP) update for the North Florida region covering Clay, Nassau, Duval, and St. Johns counties. Identified congestion hot-spot corridors using ArcGIS. Developed congestion mitigation strategies to alleviate congestion with the North Florida region.
- *I-95 Master Plan, Florida Department of Transportation, District 2, Jacksonville, Florida, Project Engineer:* Master Plan that consists of 15 interchanges along a 31-mile corridor. Assisted in the development of the Data Collection and Analysis, Design Traffic, Interchange Operational Analysis, Tier I Conceptual Multimodal Alternatives Reports and the Interchange Master Plan. Responsible for the development of CORSIM models to evaluate various project alternatives.

Jerry Privette, CSI

Specifications

Years of Experience

Total – 42
With ARCADIS – 18

Professional Qualifications

Construction Specifications Institute

Mr. Privette is responsible for preparation of specifications, bidding and contract documents, cost estimates, and construction schedules for civil engineering projects including private, state, federal, residential, and industrial land development and transportation projects. Additional project responsibilities include utility coordination.

Relevant Experience

- *Specifications for Roadway Projects. Clients include:*
  - Florida Department of Transportation, District 2
  - Florida Department of Transportation, District 5
  - City of Jacksonville Public Works Department
  - Jacksonville Transportation Authority
  - St. Johns County Public Works Department
- *Specifications for Commercial, Industrial, Municipal, and Residential Projects in Northeast Florida. Representative clients include:*
  - Cecil Commerce Center
  - Lowes
  - Home Depot
  - Wal-Mart
  - Publix
  - Winn-Dixie
  - Duval County Public Schools
  - St. Johns County Public Schools
  - City of Jacksonville Parks & Recreation Department
  - City of Palm Coast
  - Grand Haven Community Development District
  - Sandy Creek Community Development District
  - Kimco Developers
- *Specifications for Water, Sanitary Sewer and Stormwater Improvement Projects. Clients include:*
  - St. Johns County Utility Department
  - JEA Water & Sewer Unit
  - City of St. Augustine
  - City of St. Augustine Beach

Hank Deibel, PE

Quality Assurance/Quality Control

Education

BS, Civil Engineering, Lafayette College

Years of Experience

Total – 31
With ARCADIS – 14

Professional Registrations

Professional Engineer: Florida (No. 50449); New Jersey (No. 32966)
Professional Planner: New Jersey (No. 3925)
Certified Municipal Engineer, New Jersey (No. CME0176)

Mr. Deibel is a professional engineer responsible for planning, design and construction of the engineering aspects of highway and roadway improvement projects, utility infrastructure improvement projects and site plan/subdivision projects for private and public sector capital improvement projects for state, county and local governments. He is in responsible charge of performance functions including preparation of proposals, contract documents and regulatory permit application packages and advising clients throughout the design and construction process. His engineering strengths include: preparation of feasibility studies, preliminary design documents, determining preliminary costs, budgets, scope of work and scheduling requirements. Mr. Deibel has significant experience in the following disciplines: surface water management system design in accordance with state and local regulatory requirements, design of stormwater management systems for flood control, relief of nuisance ponding, meeting water quality requirements and improving and protecting exiting facilities, hydraulic analysis and watershed modeling, utilizing state-of-the-art practices.

Relevant Experience

- *SR 7 and C-51 Canal Bridge Widening, Palm Beach County Roadway Production Division, Palm Beach County, Florida, Project Manager:* Design and permitting of SR 7 South of SR 80. The bridge over the C-51 Canal was widen to provide an exclusive right turn lane for northbound SR 7 traffic to eastbound SR 80. A fourth southbound turn lane was added on the south intersection approach and a new turn lane was constructed south of the intersection to allow for a left turn prior to the intersection. Responsible for design and permitting of the roadway, stormwater drainage, signing and pavement markings, and signals.
- *Hidden Valley Boulevard and Old Dixie Highway Intersection, Palm Beach County Roadway Production Division, Boca Raton, Florida, Project Manager:* Design of dedicated left and right turn lanes on the south and north approaches. The intersection was designed to curved slightly east to allow for left turn lanes. Coordination with the Florida East Coast Railroad was required. Also provided stormwater drainage system to collect stormwater runoff in accordance with the South Florida Water Management District requirements.
- *RCA Boulevard and Alternate A1A Intersection Improvement, Palm Beach Gardens, Florida, Project Manager:* Intersection widening to accommodate an exclusive right turn lane on the south approach. Also included stormwater drainage improvements, modifications to existing traffic signal, and signing and pavement markings.
- *Burns Road and Military Trail Intersection Improvements, Palm Beach Gardens, Florida, Project Manager:* Widening of the intersection of Burns Road and Military trail to provide dual left turn lanes on the north approach. Also included the construction of stormwater drainage improvements, traffic signal modifications, and signing and pavement markings.
- *Okeechobee Boulevard and Tamarind Avenue Intersection Improvements, Palm Beach County Roadway Production Division, Palm Beach County, Florida, Project Manager:* Intersection widening to provide dual left turn lanes and an additional eastbound and westbound through lane. Also included construction of stormwater drainage, and signing and pavement marking

improvements. Mr. Deibel served as the project manager and was responsible for all engineering design, permitting, coordination with the Florida Department of Transportation and the City of West Palm Beach, and overall project oversight.

- *66th Avenue, Indian River County, Florida, Project Manager:* The project consisted of widening an existing two-lane roadway to a four-lane divided roadway. The 4.5 mile long project consist of replacing seven bridges and constructing nine stormwater detention ponds.
- *Stacy Street and Haverhill Road Intersection Improvement, Palm Beach County Roadway Production Division, West Palm Beach, Florida, Project Manager:* The project consisted of widening the intersection and additional improvements related to a nearby school. Improvements were completed on a fast track schedule to meet the school opening.
- *Hypoluxo Road Improvements, Palm Beach County, Florida, Project Manager:* Responsible for the design and permitting of Hypoluxo Road from Jog Road to Military Trail, for approximately 2 miles, including roadway and stormwater drainage design.
- *SR 811/Alternate A1A (South of Fredrick Small Road to Toney Penna Drive, Palm Beach County, Florida, Project Manager:* Roadway design, drainage, signing and pavement marking, utility coordination, and permitting. The project consists of widening the existing four-lane rural roadway to create a six-lane section. Water quality treatment and attenuation is provided in the existing right-of-way. Much coordination with South Florida Water Management District and the FEC Railroad was required for the stormwater design and permitting.
- *Road Improvement Program, City of Delray Beach, Florida, Project Manager:* Responsible for the preparation of construction plans for the reconstruction of existing residential streets, the construction of new residential streets, the construction of drainage improvements and the installation of water and sanitary sewer mains within residential streets.
- *SR 804 (Boynton Beach Boulevard) Watermain Extension from Lyons Road to Florida Turnpike, G.L. Homes, Boynton Beach, Florida, Project Manager:* Responsible for the design of 1 mile of a 42-inch water main extension to serve the rapidly expanding growth in Central Palm Beach County.
- *Boynton Beach Boulevard – SR 7 to Florida Turnpike, Boynton Beach, Florida, Project Manager:* Responsible for the design of 2 miles of a four to six lane-divided roadway for Palm Beach County to serve the rapidly expanding growth in central Palm Beach County, Florida.
- *Annual Roadway and Drainage, Sidewalk and Utility Improvement Program, Various Municipal Clients, Multiple Locations, Project Manager:* Locations include City of Delray Beach, City of Lauderhill, Brick Township, Tuckerton Borough, Egg Harbour Township, Haddon Township, Plumstead Township, Egg Harbour City, Margate City, Buena Borough and Weymouth Township.
- *Annual Intersection Improvement Contract, Palm Beach County Roadway Production Division, Palm Beach County, Florida, Project Manager:* Design and permitting of various intersection improvement projects including the intersections of Lake Worth Road and Military Trail, Summit Boulevard and Haverhill Road, Okeechobee Boulevard and Wildcat Way, Donald Ross Road and Alternate A1A, Forest Hill Boulevard and Haverhill Road, Glades Road/Jog and Powerline Roads, Forest Hill Boulevard and Jog Road, Lantana Road and Hagen Ranch Road and Fearnley Drive, Orange Boulevard and Royal Palm Beach Boulevard, Okeechobee Boulevard from I-95 to Australian Avenue, SR 80 and Forest Hill Boulevard, Australian Avenue and Mercer Avene, Sansbury's Way and Fairgrounds Road, Congress Avenue and Okeechobee Boulevard, and Congress Avenue and Presidio Place.
- *Clint Moore Road, Palm Beach County Roadway Production Division, Palm Beach County, Florida, Project Manager:* Design for the reconstruction and widening of 2.4 miles of Clint Moore Road from SR 7 to Jog Road.

Ali Najafi, PE

Maintenance of Traffic

Education

MS, Public Service, Western Kentucky University, 1981
BS, Civil Engineering Technology, Western Kentucky University, 1980

Years of Experience

Total – 30

Professional Registrations

Professional Engineer: Florida (No. 53099); Alabama (No. 22213); Georgia (No. 25619); Louisiana (No. 34017)

Professional Qualifications

American Society of Highway Engineers
Florida Engineering Society
Florida Institute of Consulting Engineers
Society of American Military Engineers
American Public Works Association

Mr. Najafi has more than 30 years of experience in civil and roadway design. He has extensive experience with Florida Department of Transportation (FDOT) standards and a wealth of knowledge of local, state and federal governmental requirements. He has served as Senior Civil Engineer and Project Manager on projects for various agencies including the U.S. Army Corps of Engineers, South Florida Water Management District, St. Johns River Water Management District, and FDOT.

Relevant Experience

- *SR 464, Florida Department of Transportation, District 5; Ocala, Florida:* Designed maintenance of traffic plan, and signing and pavement markings. Designed closed drainage system on side streets to increase existing stormwater capacity along SR 464, analyzing the existing drainage system of the whole area.
- *SR 33, Florida Department of Transportation, District 5; Lake County, Florida, Senior Roadway Engineer:* Milling and resurfacing of SR 33 from Polk County line to 200 +/- south of SR 50 in Lake County; replacing non-functional side drains, an existing tms loops and a pull box; placement of new guardrail and updating existing guardrail end anchorage assemblies; pavement markings and inverted rib profile markings.
- *SR 15, Florida Department of Transportation, District 5; Longwood, Florida:* Designed right turn lane and associated drainage structures at intersections. Designed signing and pavement markings, and sidewalk and curb-cut ramps in accordance with ADA standards.
- *SR 44, Florida Department of Transportation, District 5; Lake County, Florida, Design Engineer:* A 0.5-mile urban six-lane multi-lane reconstruction project that included right-of-way acquisition, storm drain construction and permitting.
- *SR 9/I-95, Florida Department of Transportation, District 5, Brevard County, Florida, Design Engineer:* A 17-mile rural four-lane RRR project that included a bridge widening. Responsible for roadway design, traffic control plans, plans preparation and cost estimate.
- *SR 25, Florida Department of Transportation, District 5, Lake County, Design Engineer:* 2.5-mile urban five-lane RRR project. Responsible for roadway design, traffic control plans, plans preparation and cost estimate. Conducted extensive roadway condition survey to identify areas in need of slab replacement and spalling rehabilitation.
- *Group 11-09 Bridge and Roadway Design, Florida Department of Transportation District 3, Escambia County, Florida, Project Manager:* Milling and resurfacing, and reconstruction of the roadway portion of Beck's Lake Road over Unnamed Branch Creek Bridge, and Pineville Road over Bushy Creek Road Bridge Replacements. These projects replaced the existing structurally deficient bridges. Services include roadway design, signing and pavements markings, maintenance of traffic, cost estimates, and environmental permitting.
- *I-95 Pavement Rehabilitation, Florida Department of Transportation, District 2, Jacksonville, Florida:* Prepared construction plans for rehabilitation of the existing pavement service and improvement of roadside safety. The

major highway project consisted of detailed evaluation of the existing conditions and design of repairs and improvements. The project included the I-95 mainline from north of Emerson Street to the southern end of the Florida East Coast Railroad/Acosta Bridge including all interchanges and connecting and merging entrance and exit ramps. Design tasks included: pavement condition report, concrete pavement and barrier walls rehabilitation, roadway approaches design, drainage improvements, sign structure replacement to meet Elder Road Users Program, signing and pavement markings, and Maintenance of Traffic plans.

- *SR 5/US 1, Florida Department of Transportation, District 4, Malabar, Florida, Design Engineer:* Construction of a new left turn lane, widening the northbound lane, modifications to drainage inlets, milling and resurfacing of northbound and southbound lanes, maintenance of traffic, and signing and pavement marking.
- *SR 9A (I-295) from Commonwealth Avenue to Trout River Resurfacing, Florida Department of Transportation, District 2, Jacksonville, Florida, Project Manager:* The project consists of the milling and resurfacing of travel lanes and ramps on SR 9A (I-295) from milepost 22.422 (north of Commonwealth Ave.) to milepost 28.593 (Trout River Bridge). Design activities included upgrading substandard guardrail connections to the bridge barrier wall (I-295 overpass over US 1 and I-295 overpass over the CSX railroad) on outside railing in both directions, upgrading existing selected overhead signs to 130 mph wind load design, one new sign truss, traffic monitoring stations loops replacement, and signing and pavement marking plans.
- *SR 15/US 17 (CR 220 to Creighton Road) Milling and Resurfacing, Florida Department of Transportation, District 2, Clay County, Florida, Project Manager:* The primary goal was to bring this principal rural arterial roadway to the current FDOT RRR and safety standards. This is a high residential area and there were daytime limitations on various construction activities that required communication and coordination with homeowners. Services included widening inside shoulders, milling and resurfacing existing pavement, pavement design with Superpave Asphaltic Concrete, adjustment of existing MHs in pavement, replacing nonfunctional sidedrains, construction of curb cut ramps per ADA standards, signing and pavement markings, traffic control plans, construction cost estimates, coordination with utility companies, replacement of signs and signal loops, and project specifications.
- *SR 21/Blanding Boulevard, Florida Department of Transportation, District 2, Duval County, Florida, Senior Roadway Engineer:* Milling and resurfacing of SR 21 (Blanding Boulevard) from Collins Road to 103rd Street, replacing non-functional sidedrains, installing end treatments to some cross drains, constructing paved shoulders from Collins Road to Morse Avenue (as needed), constructing sidewalks from Morse Avenue to 118th Street, signals loop assembly replacement, pedestrian signals installation, signing and pavement markings, and special marking for bus lane pilot project from Morse Avenue to 103rd Street.
- *SR 5/Nova Road, Florida Department of Transportation, District 5, Volusia County, Florida, Design Engineer:* 3.0 miles urban multi-lane reconstruction project. This project included right-of-way acquisition for roadway and stormwater management facilities and storm drain reconstruction.
- *SW 75th Street/SW 13th Road Intersection, Alachua County Public Works Department, Alachua County, Florida:* Designed single-lane round-about including drainage details, maintenance of traffic, signing, and pavement markings.
- *Argyle Forest Boulevard Widening, Jacksonville Transportation Authority, Jacksonville, Florida:* Designed 2.75 miles of roadway widening with a perched drainage treatment system. Additional design elements include a new bridge, signalization, lighting, landscaping, and the overall geotechnical investigation, as well as signing and pavement marking.
- *SR 12, Florida Department of Transportation, Greensboro, Florida:* Project consisted of leveling, widening, and resurfacing of roadway. Designed paved shoulders; crossdrains, sidedrains, and mitered end sections for drainage; signing and pavement markings; traffic control plans; and detour roadway for construction of railroad crossing.

Don Drury

Maintenance of Traffic

Education

Diploma, Ribault High School, 1970

Years of Experience

Total – 43

Professional Qualifications

American Traffic Safety Services Association

Florida Department of Transportation, certified in Maintenance of Traffic since

Mr. Drury has over 43 years of professional experience in civil and roadway engineering, including over 40 years with the Florida Department of Transportation (FDOT). He managed the FDOT District 2 North Florida Freeway Incident Management Team for two decades and was a major team member of the FDOT MOTC (Maintenance of Traffic Committee) statewide team, which developed the signing standards for speed reductions in Work Zones. In addition, he served as a major team member of the statewide Traffic Engineering & Operations Signing team for over 20 years. Mr. Drury developed the following FDOT design guides: District 2 Major Guide Sign preferences, District 2 Next Signal Sign preferences, and preferences for the District 2 Advanced Guide Signs on Approaches to Interstates.

Relevant Experience

- *I-95/I-295 North Interchange Improvements Master Sign Design, Florida Department of Transportation, District 2, Jacksonville, Florida, Transportation Specialist:* Sign design for the I-95/I-295 North Interchange Reconstruction Design.
- *I-10/I-95 Upgrade/Enhancement of Signs, Florida Department of Transportation, District 2, Jacksonville, Florida, Designer:* Structural analysis of 24 span and cantilever sign structures associated with interstate sign upgrades.
- *SR 207 Slope Failure Project, Florida Department of Transportation, District 2, St. Johns County, Florida, Transportation Specialist:* Design of slope failure repairs to the SR 207 Rail Trail in Elkton, St. Johns County, Florida. Performed field reviews, slope stability analysis, and provided repair alternatives for the modification of the existing failing slopes, and provided permitting and design services for the selected repair options.
- *Traffic Operations MOT/Signing Engineer, Florida Department of Transportation, Jacksonville, Florida:* Served as a Maintenance of Traffic Engineer, Traffic Operations Signing Engineer, and Special Projects Engineer.

Fares Tannous, PE, PhD

Structures Design

Education

MS, Business Administration, Marshall University, 2005
PhD, Civil Engineering, University of Arizona, 1997
MS, Civil Engineering, University of Arizona, 1990
BS, Civil Engineering, Kuwait University, 1988

Years of Experience

Total – 20

Professional Registrations

Professional Engineer: Florida (No. 63784); California (No. 62248); West Virginia (No. 41271)
National Council of Examiners for Engineering and Surveying (No. 27423)

Professional Qualifications

American Society of Civil Engineers
American Institute of Steel Construction

Mr. Tannous has more than 20 years of progressive bridge and structural engineering experience in design and plans preparation, design reviews, and construction phase services. He has completed bridge projects, miscellaneous state and county highway related structural projects and various architectural and sanitary structural projects for the Rhode Island, West Virginia and Florida Departments of Transportation. His bridge experience includes the design of steel bridges (short and long-span), concrete bridges, timber bridges, bridge inspection and load ratings. His commercial experience includes steel framing, timber and reinforced masonry structures and deep or shallow foundations.

Relevant Experience

- *I-10/I-95 Sign Replacement, Florida Department of Transportation, District 2, Duval County, Florida, Structures Design:* Engineer of Record for overhead sign inspection and replacement for the I-10/I-95 interchange. Design responsibilities included investigating 24 existing overhead sign structures under new wind design loads. Inspected existing overhead truss structures of non-standard truss configurations and constructed 3-D structural models of sign structures to perform wind load analysis that could not be performed using the FDOT Span Sign Program.
- *Dames Point Bridge Median Barrier Wall Replacement Florida Department of Transportation, District 2, Duval County, Florida, Structures Design:* Engineer of Record for the I-295 (SR 9A) Dames Point Bridge median barrier wall replacement. This design-build project consisted of demolition and new construction plans for the replacement of 4,050 ft. concrete median barrier wall. Engineering responsibilities included structural analysis of wall under impact design loads, design of adhesive anchors, bridge load rating.
- *Florida Department of Transportation, District 3, Escambia County, Florida, Structures Design:* Engineer of Record for two bridge replacement projects. Beck's Lake Road over Unnamed Branch consisted of furnishing a triple 5'x8' cast-in-place bridge culvert. Pineville Road over Brushy Creek bridge replacement consisted of furnishing a two-span bridge (43'-0" each) of 15" prestressed slab units with 6" composite overlay. Engineering responsibilities included design, load ratings and structural drafting of both bridges.
- *CR 315 (Sharron Road) over Greens Creek Design Build, Clay County, Florida, Structures Design:* Engineer of Record for this design-build project that consisted of furnishing a two-span bridge (40'-6" each) of 15" prestressed slab units with 6" composite overlay. Engineering responsibilities included design, load rating and structural drafting.
- *SR 417 Over Valencia College Lane, Orlando-Orange County Expressway Authority, Orange County, Florida, Structures Design/Project Manger:* Project consisted of two-lane widening of dual two-span bridge structures (83' ft.-83.0 ft). Responsibilities included furnishing staged construction and demolition details, deck widening details, AASHTO Type III beam design details, new piers and abutment details, and joint replacement details.
- *(US 1) New Kings Road, City of Jacksonville, Florida, Structures Design:* Designed and detailed several cantilever and span sign structures on drilled shaft foundations. Also designed multi-segment CIP box culvert with approximate total length of 338'-0".

- *Thompson Nursery Road, Polk County, Florida, Structures Design/Project Manager:* Responsible for the design of two single-span composite steel curved box girders spanning 273'-0" each over CSX Railroad. Substructure is comprised MSE abutments supported on 18" sq. concrete piles with MSE breast and wing walls.
- *Ridge Road, Pasco County, Florida, Structures Design/Project Manager:* Responsible for final design and plan details of five-cell CIP concrete box culvert. Total width = 66'-8", and length = 261'-9". Also designed two MSE retaining walls for foot path with a combined length of 2,000 linear feet.
- *Fish Hawk Boulevard over Fish Hawk Creek, Hillsborough County, Florida, Structures Design/Project Manager:* Responsible for design and final plan detailing of a five-span structure, 412'-0" long and 49'-0 ½" wide. Substructure includes multi-column bents of 18" sq. pre-stressed concrete piles, with MSE retaining walls for approach embankment.
- *Ridge Road Over Bexley Easement, Pasco County, Florida, Structures Design/Project Manager:* Responsible for final design and plan details of two-span (67.5'-67.5') Type III AASHTO I-beams superstructure with MSE retaining walls for approach embankment. Design responsibilities included design of Type III beams composite and deck, bearings, end and intermediate pile bents, load rating, and design of three MSE walls.
- *US 35/WV 34 Interchange, West Virginia Department of Transportation, Putnam County, West Virginia, Structures Design:* Responsible for final design and details of several cast-in-place concrete box culverts, reinforced concrete stilling basins, and approximately 300 ft cast-in-place two-lane reinforced concrete underpass structure.
- *Bell Shoals Road over the Alafia River, Hillsborough County, Hillsborough County, Florida, Structures Design/ Project Manager:* Responsible for design and final plan detailing of a major widening of a nine-span structure, 463'-6" long and final width of 98'-0" ft. Substructure includes multi-column bents of 18" sq. pre-stressed concrete piles.
- *SR 884 over Ten Mile Canal, Florida Department of Transportation, District One, Lee County, Florida, Structures Design/Project Manager:* Responsible for design and final plan detailing of a three-span twin bridge structure, 72'-3" long and final widths of 65'-0 ½" and 76'-0 ½". Substructure includes multi-column bents of 18" sq. pre-stressed concrete piles with integral end bents.
- *Bridge Services Program (Bridge L19BR01, L19BR02, L19BR03), South Florida Water Management District, Palm Beach County, Florida, Structures Design:* Responsible for furnishing design computations, structural details and final load rating reports for the superstructure replacement of three short-span bridges. Each bridge is comprised of four spans ranging between 24''-0" and 32'-6". New superstructures in comprised of 15"x48" prestressed slab units with 6" structural concrete overlay.
- *Bridge Services Program (Bridges L12BR01), South Florida Water Management District, Palm Beach County, Florida, Structures Design:* Responsible for furnishing design computations, structural details drawings, and as-built load rating report for the rehabilitation of a four-span bridge (3@ 29'-4" + 1@ 31'-0"). The existing superstructure is comprised of two spans of prestressed hollow-core slab units, one span of steel stringers with non-composite steel grating, and one of combined hollow core and steel with composite deck construction. Rehabilitation included furnishing design computations and structural details for steel span replacement with hollow core slab units and CIP concrete T-beam construction. Bridge load rating was performed using BARS software.
- *Bridge Services Program (Classic Turf Bridge), South Florida Water Management District, Palm Beach County, Florida, Structures Design:* Responsible for furnishing bridge load report of a three-span bridge (29'-0", 32'-0",30'-0"). The existing superstructure is comprised of two spans of hollow core slab units and one span of steel beams with non-composite steel grating. Load rating was performed using BARS software.

Dante Gabriel, PE, PTOE

Signal Design

GMB ENGINEERS & PLANNERS, INC.

Education

MS, Civil Engineering, University of Minnesota, 1982
BS, Civil Engineering, University of the Philippines, 1979

Years of Experience

Total – 32

Professional Registrations

Professional Engineer: Florida (No. 37271)
Professional Traffic Operations Engineer

Professional Qualifications

Institute of Transportation Engineers

Mr. Gabriel has 32 years of experience in all facets of traffic engineering and transportation planning activities. He is responsible for all production work involving traffic operations studies, traffic signal systems and signal timing, pavement markings and signing plans, maintenance of traffic plans, lighting plans, parking, Intelligent Transportation System (ITS) Design and other design activities. He was also involved in the development of traffic elements for Developments of Regional Impact (DRIs), comprehensive plans, specific area plans, transportation modeling and design traffic projects, roadway corridor preliminary engineering studies, and other studies involving assessment of traffic impacts of site development projects. Mr. Gabriel has managed several continuing services contracts for FDOT, counties, and local municipalities. These continuing services projects include traffic operations studies, signal retiming, transportation modeling support, design traffic for Project Development and Environment (PD&E) Studies, airport and resort traffic circulation master planning, and eminent domain support.

Relevant Experience

- *Traffic Operations Design, Project Manager:* Numerous traffic operations design projects involving the application of RRR and new construction design criteria for pavement markings, signing, traffic signal and system communications. Representative projects include:
  - Signing and Pavement Marking and Signalization for the SR 434 Mil and Resurfacing from west of SR 417 to north of Mitchell Hammock Road, Florida Department of Transportation, District 5
  - Signing and Pavement Marking and Signalization for the SR 426 Mil and Resurfacing from east of Pine Avenue to SR 434, Florida Department of Transportation District 5
  - Signalization, Access Management Analysis and Lighting Justification Report for SR 82 Widening from Lee Road to Shawnee Road, Florida Department of Transportation, District 1
  - Signalization for the SR 739 (Metro Parkway) Widening from Daniels Road to Six Mile Cypress Parkway, Florida Department of Transportation, District 1
  - Signalization and Signing & Pavement Marking for the US 441/I-75 Interchange Modification in Alachua County, Florida Department of Transportation, District 2
  - Signing and Pavement Marking for SR 30 mil and resurfacing from SR 30A to SR 70, Bay County, Florida Department of Transportation, District 3
- *Roadway Lighting, Engineer of Record:* Design activities include photometric analysis, voltage drop calculations, pole spacing and offset placement, and service point calculations. Representative projects include:
  - I-95 Widening from north of SR 50 to north of SR 46, Brevard County, Florida Department of Transportation, District Five
  - I-4/Osceola Parkway Braided Ramp, Osceola/Orange County, Florida Department of Transportation, District Five
  - SR 408 (East-West Expressway), from West of Oxalis Drive to East of Chickasaw Trail, Orlando-Orange County Expressway Authority

- SR 429/CR 437A Interchange, Orlando-Orange County Expressway Authority
- US 27/SR 50 Interchange Design-Build, Lake County, Florida Department of Transportation, District Five
- I-75/US 441 Interchange Modification, Alachua County, Florida Department of Transportation, District Two)
- SR 739 (Metro Parkway) Widening from Daniels Road to Cypress Parkway, Lee County, Florida Department of Transportation, District One)

- *Traffic Operations Studies, Project Manager and Project Engineer:* Several Districtwide Miscellaneous Traffic Operations Studies contracts with FDOT Districts One and Five. These contracts involve signal warrant studies, intersection analysis to improve traffic operations efficiency and safety, arterial studies to evaluate access management, safety, and traffic flow, traffic data collection, pushbutton design and signal timing optimization and retiming. He also completed for Orange County an assessment of pedestrian flows on International Drive and Tangelo Park and developed recommendations to enhance the pedestrian walking experience. Some representative projects include:
  - Florida Department of Transportation, District Five Traffic Operations Studies – seven contracts since 1987
  - Florida Department of Transportation District One Traffic Operations Studies
  - Florida Department of Transportation, District Five Community Traffic Safety Program
  - Orange County Continuing Professional Engineering Studies
- *Traffic Signal Systems:* These projects involve development of design plans and technical specifications for traffic signal systems, data collection and development of time-of-day and day-of-week system timing plans, implementation and fine-tuning. A few of the representative projects include:
  - Traffic Signal Retiming Contract, Florida Department of Transportation, District Five
  - Traffic Signal Retiming, Palm Beach and Martin Counties, Florida Department of Transportation, District Four
  - Traffic Signal Retiming Program, Orlando Metropolitan Planning Organization, Florida
  - Walt Disney World Traffic Control Management System

Kathryn Lee, PE

Signal Design

GMB ENGINEERS & PLANNERS, INC.

Education

BS, Civil Engineering, University of Central Florida, 1998
BS, Geography, Pennsylvania State University, 1984

Years of Experience

Total – 27

Professional Registrations

Professional Engineer: Florida (No. 62420)

Professional Qualifications

FDOT Certified in Work Zone Traffic Control

Ms. Lee, has an extensive background in the design of signalization, signing, pavement marking, and traffic control plans. She is familiar with plan preparation standards at the state, county and city levels, as well as, the private sector. Ms. Lee serves as Project Engineer for traffic engineering design activities, Transportation Safety Studies and Access Management Studies and is responsible for design and production work involving traffic signal systems, traffic signal warrants and timing plans, signing and pavement marking plans, maintenance of traffic plans and parking lot circulation and design. Ms. Lee makes daily use of a variety of design and traffic engineering software including HCS and SOAP for intersection and timing plans, Synchro and TRANSYT-7F for signal system timing plans and AutoCAD and MicroStation for the preparation of traffic operation plans.

Relevant Experience

- *Lighting Design, Project Manager and Project Engineer:* Numerous lighting design projects on both local and interstate roadways. Lighting projects have encompassed Lighting Justification Reports, the layout and design of new lighting systems, interfacing new lighting systems with existing lighting systems, photometric analysis to optimize light pole spacing and arrangement, luminaire mounting height, wattage and distribution type, and also voltage drop calculations to verify that conductors and load centers are sized appropriately. Representative projects include:
  - Walton Road from US 1 to Lennard Road, City of Port St. Lucie, St. Lucie County, Florida
  - I-95 Widening from north of SR 50 to north of SR 46, Brevard County, Florida Department of Transportation, District Five
  - I-4/Osceola Parkway Braided Ramp project, Osceola/Orange County, Florida Department of Transportation, District Five
  - US 27/SR 50 Interchange Design Build Project, Lake County, Florida Department of Transportation, District Five
- *Traffic Signal Systems:* These projects involve development of design plans and technical specifications for traffic signal systems, data collection, development of time-of-day and day-of-week system timing plans, implementation and fine-tuning. Representative projects include:
  - SR 5/SR 60 Signal Systems, Indian River County, Florida
  - Olive Road Traffic Signal System, Escambia County, Florida
  - Pensacola Street Traffic Signal System, City of Tallahassee, Florida
- *Traffic Operations Studies, Project Engineer:* Contracts involve signal warrant studies; intersection analysis to improve traffic operations efficiency and safety; arterial studies to evaluate access management, safety, and traffic flow, data collection; and signal timing optimization and retiming. Representative projects include:
  - Districtwide Safety Program, Florida Department of Transportation, District Five
  - NASA Causeway and Phillips Parkway, Cape Canaveral Air Station
  - Community Awareness Program, Florida Department of Transportation,

District Five

- Continuing Services Contract, Lake County, Florida

- *Traffic Operations Design, Project Engineer:* Numerous traffic operations design projects involving the design of pavement markings, signing, traffic signals, signal system communications and work zone traffic control. Representative projects include:
  - SR 40, Marion County, Florida
  - Osceola Parkway, Osceola and Orange Counties, Florida
  - SR 600 (Broadway Bridge), Volusia County, Florida
  - Walt Disney World Master Signing, Orlando, Florida
- *Intelligent Transportation Systems (ITS) Design:* Ms. Lee has worked extensively with local and state municipalities in order to improve the safety of the motoring public while increasing the efficiency and capacity of roadway corridors. Representative ITS projects that GMB has been involved with include weigh-in-motion stations, dynamic message signs, fiber optic interconnect plans, closed circuit television systems, AVI systems, emergency vehicle management systems utilizing Opticom and highway advisory radio plan design. Representative projects include:
  - Crystal Lake Drive Improvements, City of Orlando, Florida
  - BP-355 Loop Road Dynamic Message Signs Design-Build, Greater Orlando Aviation Authority (GOAA)
  - UCF Arena ITS, Orange County, Florida
  - US 17-92 at SR 436 Interchange, Florida Department of Transportation, District 5
  - I-95 from North of SR 50 to North SR 46, Florida Department of Transportation, District 5

Patrica Dickerson

Utility Coordination

Education

BS, Civil Engineering, Wentworth Institute of Technology, 2002

Years of Experience

Total – 11

Ms. Dickerson's experience is in roadway design and site development. Her responsibilities include utility coordination and preparation of roadway plans, site development plans, maintenance of traffic plans, and cost estimates. Construction responsibilities include cost estimates and reviews, maintenance of traffic design and implementation, coordination with utility trades in conjunction with installation and testing, and schedule reviews.

Relevant Experience

- *Districtwide Continuing Contract for Utility Coordination Projects, Florida Department of Transportation, District 5, Project Engineer:* Coordination with utility owners and FDOT for roadway improvements and relocating existing utilities, preparing schedules, JPA agreements, and cost estimates. Projects have included:
  - SR 482 (McCoy Road) from SR 527 to W. of SR 528, Orange County. Utility Coordinator responsible for clearing 21 UAOs. Responsibilities included a utility design meeting at 60% plans, multiple field reviews to determine utility conflict and identify potential alternatives to minimize impacts.
  - Apollo Boulevard, from Sarno Road to Eau Gallie Blvd, Brevard County. Utility Coordinator responsible for providing oversight for clearing of six utility owners including review of UWS's, UWHC plans, estimates, and specifications, as well as constructability and plans review. Utility Coordination was handled by design firm completing the roadway plans.
  - SR 44 and Glencoe Road Intersection Improvement. Utility Coordinator responsible for clearing four UAOs, all with major involvement in the project. Held a Utility Pre-Design meeting with 100% attendance where a design solution was discussed to allow an AT&T ductbank to remain in place by installing the mast arm on H-piles straddling the ductbank. Held a Design Meeting at 60% plans production to discuss relocation of overhead electric to allow the installation of the mast arm and discussed potential impacts to a water main. Project included the signalization of the intersection.
- *General Engineering Consultant, Florida Turnpike Enterprise. Utility Coordinator:* Coordination with utility owners and FTE for roadway improvements and relocating existing utilities, preparing schedules, JPA agreements, and cost estimates. Projects have included:
  - SR 91 (Turnpike) at I-4 Interchange Improvements, Orange County Florida, Florida Turnpike Enterprise. Utility Coordinator responsible for completing preliminary utility coordination necessary for inclusion into a Design-Build Request for Proposal. Utility Coordination included the relocation of the existing 42" Water Conserv II non-potable water line, and substantial coordination with Florida Gas Transmission on their existing 24" and 26" gas lines within the project corridor. Coordination with 15 utility owners was necessary for reimbursement potential, conflict resolution, and construction constraints.
  - SR 91 (Turnpike) at Minneola Interchange, Lake County Florida, Florida Turnpike Enterprise. Utility Coordinator responsible for completing preliminary utility coordination necessary for inclusion into a Design-Build Request for Proposal. Utility Coordination included identification of existing

facilities as well as acquiring preliminary design and cost estimate from electric power provider for electric service for ITS, tolling, lighting, and signals.

- *I-95/Pineda Interchange, Brevard County Florida, Florida Deparment of Transportation, District 5, Utility Coordinator:* Responsible for easement relocation of a power line, 26" gas line, and cell tower. Coordination effort included Utility Predesign and Design meetings, reimbursement, and updating the conflict matrix. Design included four-lane suburban typical section with sidewalks over I-95, multi-lane ramp designs, MSE walls, zoo trail culvert, milling and resurfacing of I-95, utility relocation, permitting, signing and pavement marking, traffic control, and signalization.
- *SR 405 RRR, Brevard County Florida, Florida Department of Transportation, District 5, Project Engineer:* Prepared conflict matrix involving relocation of six utility owners. Reviewed utility work schedules, marked-up plans, and proposed utility locations. Coordination with mast arm locations, culvert extensions, and other items affecting utilities. Assisted in preparation of roadway plans, signing and pavement marking plans, maintenance of traffic plans, QA/QC review, cost estimate, and computation book.
- *SR 19 RRR, Marion County Florida, Florida Department of Transportation, District 5, Assistant Project Manager:* Prepared the roadway plans, signing and pavement marking plans, maintenance of traffic, cross sections, lane closure analysis, cost estimate, computation book, and utility coordination.
- *SR 483 (Clyde Morris Boulevard) from south of SR 400 (Belville Road) to Mayberry Avenue, Volusia County, Florida, Florida Department of Transportation, District 5, Utility Coordinator:* Responsible for coordination of utility relocations, reimbursable rights, existing easements, and JPAs with the City of Daytona Beach, including the design of their system in conjuncture with the roadway improvements. The project included design for widening Clyde Morris Boulevard and design of a pedestrian crossing, drainage improvements, and utility relocations.
- *OUC Electrical Duct Bank, Orlando Florida, Project Engineer:* Responsible for design and preparation of signing and pavement markings and maintenance of traffic plans. Project included the relocation of an existing overhead electric transmission line to a new underground duct bank within the existing City roadway rights-of-way along Division Avenue and South Street.
- *Joint-use Communications Duct Bank Systems, Orlando Florida, Project Engineer:* Responsible for the design and preparation of signing and pavement markings and maintenance of traffic plans. Project included the installation of an underground joint-use communication duct bank system to serve the City and the Amway Center.
- *Commercial Lanes Rehabilitation, Orlando International Airport, BP-422, Project Engineer:* Responsible for roadway design, utility design and coordination, drainage improvement design, and coordination with the subconsultant providing signalization design. The project includes rehabilitation of the Terminal A and B Commercial Road through lane and widening to provide a second through lane. Included in the project are additional parking areas, signalization of the existing pedestrian crossing, and revisions to the exit lane alignments.
- *International Drive Force Main Improvements, Orange County Florida, Project Engineer:* Responsible for the design and coordination of the utility plans, roadway plans, and maintenance of traffic, the cost estimates, project schedules, permitting, and coordination with the Florida Department of Transportation and Orlando-Orange County Expressway Authority for maintenance of traffic. Project included a proposed force main, and conversion of an existing force main to a reuse main by slipling the existing ductile iron pipe with a HDPE pipe.

Matt LaLuzerne, PSM

Surveying

Education

MA, Business Administration, Rollins College, 2011

BE, Geomatics, Univeristy of Florida, 2005

Years of Experience

Total – 8

Professional Registrations

Professional Surveyor and Mapper: Florida (No. 6766)

Professional Qualifications

Florida Surveying and Mapping Society

Mr. LaLuzerne assists with overseeing the day-to-day operations of assigned surveying and mapping and subsurface utility engineering projects throughout Central Florida. His responsibilities include product quality control, scheduling office and field personnel, overall project schedule and financial monitoring, finalizing deliverables, and ensuring Cardno TBE and clients' standards are met. Mr. LaLuzerne is involved with projects entailing static and kinematic GPS, design surveys, primary horizontal and vertical control networks, secondary horizontal and vertical control networks, bridge surveys, utility surveys, boundary surveys, right-of-way and apparent right-of-way mapping, ALTA surveys and platting. He has experience with MicroStation, GEOPAK, AutoCAD, Microsoft Excel, Microsoft Word, as well as numerous types of field equipment. He has a full understanding of District 5 design surveying and subsurface utility engineering criteria and procedures from project start to finish.

Relevant Experience

- *SR 500 from Eastern Ave to Nova Road, Osceola County, Florida, Florida Department of Transportation, District 5, Surveying:* Utility survey along with designating (ASCE Quality Level B) and locating (ASCE Quality Level A) subsurface utility engineering services, utility coordination and, primary vertical control network, aerial target layout and design survey services. This project was for the design of the widening from a four-lane rural roadway to a high speed urban six-lane roadway including sidewalks on both sides.
- *Miscellaneous Surveying and Mapping/SUE Services, Florida Turnpike Enterprises:* Since 2002, continuous districtwide SUE and surveying services for major and minor design projects completing over 80 assignments. Task assignments typically include subsurface utility surveys, the collection of survey cross sections along the limited access roadways, parcel boundary stake-outs, right of way monumentation maps, topographic surveys, horizontal and vertical control surveys, and construction stake-out.
- *SR 530 (US 192), Osceola County, Florida, Florida Department of Transportation, District 5, Survey:* Survey cross sections and bridge clearance measurements to support the milling and resurfacing of SR530 from east of Reedy Creek Bridge to west of I-4. The project also included the upgrading of the end anchorage assemblies for the guardrails.
- *Statewide Radar Tomography Contract, Florida Department of Transportation, Central Office:* 3D utility mapping through radar tomography and conventional subsurface utility engineering activities for this statewide contract with the FDOT Central Office. Task work orders are based on existing FDOT projects with challenging subsurface environments.
- *SR 436 from Wilshire Boulevard to Lake Howell Boulevard and Red Bug Lake Road from SR436 to Eagle Circle, Seminole County, Florida, Florida Department of Transportation, District 5, Surveying:* This project involves the reconstruction of the SR 436 intersection with Red Bug Lake Road, including the widening of SR 436, widening of Red Bug Lake Road, widening of Winter Park Dirve, and the construction of a flyover intersection. Cardno TBE provided subsurface utility engineering, surveying and mapping and professional utility coordination services for the roadway improvements designs.

- *Districtwide Miscellaneous Drainage Design, Florida Department of Transportation, District 5, Surveying:* As task work orders dictate, Cardno TBE provides designating (ASCE Quality Level B) and locating (ASCE Quality Level A) subsurface utility engineering services and design surveying services.
- *SR 25 from NW 35th St to CR 25A, Marion County, Florida, Florida Department of Transportation, District 5:* Various survey tasks including horizontal and vertical control, alignment, DTM, cross sections, side street, drainage, jurisdiction line, geotechnical and utility survey along with designating (ASCE Quality Level B) and locating (ASCE Quality Level A) SUE within the project corridor and side streets. Cardno TBE is also providing utility coordination services to identify utility owners to facilitate discussion between FDOT and the multiple utility owners to come to a satisfactory resolution of utility conflicts.
- *SR 45 (US 41) from 11th Place Lane to S of Realigned SR 40, Marion County, Florida, Florida Department of Transportation, District 5:* This Project Development & Environment Study (PD&E) and Efficient Transportation Decision Making(EDTM) for the widening and rehabilitation of SR 45 included Cardno TBE efforts of utility survey along with designating (ASCE Quality Level B) and locating (ASCE Quality Level A) subsurface utility engineering services, utility coordination and design survey services.

Paul deVivero, PLS

Surveying

GEODATA CONSULTANTS, INC.
SURVEYING & MAPPING

Education

Construction Surveying, Miami-Dade Community College, 1980

Years of Experience

Total – 35

Professional Registrations

Professional Land Surveyor: Florida (No. 4990)

Professional Qualifications

Florida Surveying & Mapping Society
Central Florida Chapter of the Florida Surveying & Mapping Society
American Congress on Surveying & Mapping
National Society of Professional Surveyors

Mr. deVivero has more than 35 years experience in professional surveying and mapping services. Mr. deVivero's diversified experience enables him to provide clients with professional surveys which are accurately prepared, on schedule, and cost effective. He has a broad range of municipal experience that ranges from providing surveys for the design of government facilities such as the Orange County Courthouse to community development projects which entail right-of-way surveys for acquisition, surveys for paving, drainage, water and sewer design. He has extensive experience with transportation projects, which ranges from PD&E projects, County roadway projects, Expressway Authority projects, and Interstate Highway projects for the Florida Department of Transportation. He has experience in providing both roadway design surveys as well as right-of-way control surveys, and right-of-way mapping. He has experience in preparing surveys for eminent domain services and expert witness testimony.

Relevant Experience

- *SR 15 DeLeon Springs to SR 40 PD&E & Design, Volusia County, Florida Department of Transportation, District 5:* Surveying services for both the preliminary design and engineering, and the final design for the widening of this section of SR 15. Set aerial targets, and obtained initial cross sectional data and a roadway and railroad crossing of Deep Creek. During design a digital terrain model of the existing roadway was prepared. The limits of DTM survey included upstream Deep Creek, as well as the full intersection and approaches at SR 44.
- *I-4 Ultimate Widening, Orange County, Florida, Florida Department of Transportation, District 5:* Prepared right-of-way control surveys and right-of-way mapping for 5 miles of I-4 from Kirkman Road to John Young Parkway. The project included the crossing alignments of Universal Boulevard, Kirkman Road, the Florida Turnpike, Conroy Road and John Young Parkway. A separate boundary survey of Universal Studio's property was prepared to determine additional right-of-way requirements for structures at the Universal Boulevard ramp, and bridge.
- *SR 520, US 1 to Forest Avenue, Cocoa, Florida, Florida Department of Transportation, District 5:* Design survey for this extremely constrained and congested section of SR 520. The survey included a full digital terrain model of the bifurcated roadway, which had extreme grade changes and sharp curves. The survey included the collection of onsite and offsite drainage structure inventory and invert data, as well as the location of surface and subsurface utilities, and commercial buildings adjoining the roadway.
- *Maitland Boulevard Extension, Orlando-Orange County Expressway Authority, Florida:* Right-of-way mapping services. The 1.75-mile segment of virgin roadway alignment was established, staked and referenced. The proposed right-of-way was calculated, and mapped. Prepared legal descriptions and sketches for the acquisition of right-of-way, and easement parcels.
- *I-95 PD&E and Design, Florida Department of Transportation, District 5:* Surveying services for the preliminary design and engineering, and final design for the widening of I-95. The PD&E study limits were approximately 40 miles from SR 50 in Brevard County to the I-4 interchange in Daytona Beach. Services for the study included aerial targets for raster aerial photography, and

bridge clearance dimensions. The design limits were a 14-mile segment from the Brevard/Volusia County line to SR 44 in New Smyrna Beach. Aerial targets were set for LAMP. Conventional ground survey was performed to obtain drainage structure data, and obscured area topography. A right-of-way control survey was performed and right-of-way maps were prepared for the project.

- *SR 408 at Good Homes Road, Orlando-Orange County Expressway Authority:* Design survey and preparation of right-of-way maps for the interchange improvement project. The project consisted of the addition and re-alignment of ramps for the interchange and the widening of Good Homes Road. Prepared legal descriptions and sketches for the acquisition of right-of-way, and easement parcels.
- *SR 528 at Narcoossee Road, Orlando-Orange County Expressway Authority:* Design survey for the improvements to the Beachline and Narcoossee Road interchange. This portion of the project included bridge surveys, and obscured area topographic surveys to supplement aerial mapping. A full design survey of Narcoossee Road was performed for the City of Orlando from the interchange north to Lee Vista Road.
- *SR 408, Oxalis Drive to Chickasaw Trail, Orlando-Orange County Expressway Authority:* Performed supplemental design surveys for the 1.5 mile widening of the East-West Expressway. Services included topographic surveys of obscured areas for LAMP mapping, drainage and wetland surveys, and full bridge surveys for three bridges within the project limits. Post design services were provided to as-built new construction completed for an adjoining project.
- *SR 408 Bridge Over Lake Underhill, Orlando-Orange County Expressway Authority, Survey:* Bathymetric surveys of Lake Underhill for the widening of the East-West Expressway bridge. A control survey was performed of the southerly banks of the lake which was used to position the soundings along the lake bottom. A digital terrain model of the lake bottom was prepared.
- *SR 408 at SR 50 Re-Alignment and Ramp Improvements:* Design and right-of-way surveys for the east end of SR 408 from just west of the Woodbury Road Bridge to just north of SR 50. The surveys were performed for the re-alignment of the east bound lanes of SR 408 and for the re-design of the exit ramp to east bound SR 50. The design survey included the Woodbury Road Bridge, and SR 50 from the expressway to Bonneville Road. Wetland boundaries and the location of seasonal high water marks were included as part of the drainage surveys. Existing underground utilities and ITS fiber optic lines were located. The right-of-way survey included the retracement of the original alignments for both State Roads, and the location of section lines associated with the roadway boundaries.

Ike Rooks, PSM

Photogrammetry

Education

BA, Finance/Economics, Valdosta State University, 1988

Years of Experience

Total – 25
With Rooks – 25

Professional Registrations

Professional Surveyor & Mapper: Florida (No. 5416)

Professional Qualifications

Florida Surveying & Mapping Society
American Society for Photogrammetry and Remote Sensing.

During his career, Mr. Rooks has managed hundreds of transportation related photogrammetric mapping projects for Counties, Cities, Municipalities, Florida Department of Transportation, and Airport Authorities. He is responsible for project management, QA/QC and coordination/communication of project issues and scope to the various IFR team members and ensures all project requirements are met and offers extensive familiarity with FDOT standards, procedures, practices, and guidelines. His experience with the FDOT includes managing aerial photography/photogrammetry projects in each of the Districts.

Relevant Experience

- *SR 500 from Perkins to SR 44, Florida Department of Transportation, District 5, Lake County, Florida:* Low Altitude- Helicopter photo mission to acquire black/white film for 2D planimetric mapping & 3DTM. Delivery of black/white digital mosaics 1" = 40', 1"= 200' & 1"=400' in HMR format.
- *I-95 (SR-9) N of SR 44 to S. of SR 400 +/- 12 Miles, Florida Department of Transportation, District 5, Volusia County, Florida:* The Project consists of adding the fifth and sixths lane in the median of I-95. Acceleration and deceleration ramps shall by added at SR 421 the project is 10.347 miles in length and includes two bridge replacements. I.F. Rooks to provide Fixed-wing photo mission to acquire black/white film for 2D planimetric mapping and 3D DTM. Creation of black/white digital mosaics 1" = 40', 1"= 200' & 1"=400' in HMR format.
- *SR 482 from Turkey Lake Road to Presidents Drive, Florida department of Transportation, District 5, Orange County, Florida:* Low Altitude Helicopter photo mission to acquire black/white film for 2D planimetric mapping & 3D DTM. Fixed Wing mission to acquire black/white film for creation of digital mosaics 1" = 50' & 1"=200' in HMR. Project Length 9.2 Miles.
- *SR 436 from Curry Ford Road to Seminole County Line, Florida Department of Transportation, District 5, Orange County, Florida:* Fixed-wing photo mission to acquire black & white film for 2D planimetric mapping delivered in MicroStation and b/w digital mosaic @ 1"=40' HMR format.
- *SR 500 from Aeronautical Boulevard to Buddinger Avenue, Florida Department of Transportation, District 5:* Fixed-wing and Low Altitude Helicopter photo mission to acquire black/white film for 2D planimetric mapping & 3DTM.
- *SR45 from 111th Place Lane to S of SR40, Florida Department of Transportation, District 5, Marion County, Florida:* Fixed-wing photo mission to acquire film for 2D planimetric mapping & 3DTM. Delivery of digital mosaics 1"= 100' & 1"= 200' in HMR format.
- *SR 228 Concrete Rehab, Florida Department of Transportation, District 2, Duval County, Florida:* Low altitude - helicopter photo mission to acquire black/white film for 2D planimetric mapping. Collection of pavement cracks and seams. Creation of black/white digital mosaics 1"=20', 1" = 50' and 1"=200'.
- *I-95 from Golf Parkway to Duval County Line, Florida Department of Transportation, District 2, St. Johns County, Florida:* Low altitude - helicopter photo mission to acquire black/white film for 2D planimetric mapping and 3D DTM. Creation of black/white digital mosaic 1" = 40'.

- *I-95 from 2 miles North of Duval Line to I-295, Florida Department of Transportation, District 2, St. Johns County, Florida:* Fixed wing and low altitude - helicopter photo mission to acquire black/white film for 2D planimetric mapping and 3D DTM. Creation of black/white digital mosaic 1” = 40’.
- *SR9A from I-95 to Dames Point Bridge, Florida Department of Transportation, District 2, Duval County, Florida:* Low altitude - helicopter photo mission to acquire black/white film for 2D planimetric mapping and 3D DTM. Creation of black/white digital mosaic 1” = 50’.

Beth Chambless

Cultural Resources

Education

MS, Anthropology, Florida State University, 2005
BS, Anthropology, Auburn University, 2002

Years of Experience

Total – 8
With Search – 8

Professional Registrations

Register of Professional Archaeologists

Professional Qualifications

Florida Anthropological Society
Society for Historical Archaeology

Ms. Chambless has completed over 300 task orders in support of transportation projects for the Florida Department of Transportation, as well as county and city public works programs throughout Florida. As a former employee of the Florida Division of Historical Resources (FDHR), Ms. Chambless has in-depth knowledge of State and Federal compliance requirements regarding the treatment of cultural resources. Ms. Chambless has extensive experience with the Section 106 process, the application of the US Department of Transportation's cultural resource laws and guidelines, including Section 303/4(f), as well as Section 106 requirements under the National Environmental Policy Act (NEPA). This experience was demonstrated by Ms. Chambless' involvement with the I□95/ Overland Bridge Replacement project, which at the time of construction was the most expensive transportation project ever undertaken in Northeast Florida (FDOT District 2). Facilitating early and frequent consultation with FDHR, the Florida State Historic Preservation Officer (SHPO), FDOT Central Environmental Management Office (CEMO), the Federal Highway Administration (FHWA), and local historic preservation groups, Ms. Chambless assisted the Department in ultimately reaching a no adverse effect determination under Section 106 and no 4(f) involvement. Ms. Chambless' qualifications exceed those set forth by the Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation (48 FR 44716).

Relevant Experience

- *Districtwide Cultural Resource Services Contract, Florida Department of Transportation, District 2, Project Manager:* Manages overall contract and oversees Principal Investigators working on individual task orders for transportation projects throughout 18 counties in Northeast Florida.
- *Districtwide Cultural Resource Services Contract, Florida Department of Transportation, District 5, Project Manager:* Manages overall contract and oversees Principal Investigators working on individual task orders for transportation projects throughout Central Florida.
- *Districtwide General Engineering Consultant Services Contract, Florida Department of Transportation, District 2, Project Manager:* Oversees Principal Investigators working on individual task orders for transportation projects throughout Northeast Florida.
- *Districtwide Cultural Resource Services Contract, Florida Department of Transportation, District 3, Project Manager:* Manages overall contract and oversees Principal Investigators working on individual task orders for transportation projects throughout 16 counties in Northwest Florida.
- *Districtwide Community Impact Assessment/Environmental Stream-lining ETDM Contract, Florida Department of Transportation, District 2, Project Manager:* Oversees Principal Investigators working on individual task orders for transportation projects throughout Northeast Florida.
- *Districtwide Cultural Resource Services Contract, Florida's Turnpike Enterprises, Project Manager:* Oversees Principal Investigators working on individual task orders for transportation projects throughout Central and South Florida.

Tom Roberts

Wetlands/Species

Education

BA, Biology, Stetson University, 1987

Years of Experience

Total – 23

Professional Registrations

Fish and Wildlife Commission Certified Gopher Tortoise Agent (GTA-12-00036)
US Army Corps of Engineers Certified Wetland Delineator (No. US-08-03566)
PD&E Process, Cultural Resource Management, Section 4(f), ETDM
Florida Registered Environmental Professional (No. 8)1

Mr. Roberts is a biologist with over 23 years of ecological permitting experience for numerous public and private clients throughout the state of Florida. He has extensive experience with the assessment and mitigation of environmental issues associated with private land development and transportation projects, and has managed the environmental portions of these projects, including Florida Department of Transportation PD&E studies, arterial investment studies, roadway and bridge design projects, wildlife crossing assessments and trails projects.

Relevant Experience

- *SR 600 (US 92) from I-4 Fly-Over to Tomoka, Florida Department of Transportation, District 5, Volusia County, Florida:* Environmental task manager for widening of 2.5 miles of SR 600. Services include identifying and delineating all jurisdictional wetlands according to the St. Johns River Water Management District and US Army Corpse of Engineers guidelines; obtaining wetland permits; conducting a protected species survey to determine which plant or animal species might occur within the road right-of-way or the stormwater pond alternatives; coordinating with FDOT staff to determine the permit type and mitigation requirements; and coordinating design details of two wildlife crossings located under the Tomoka River Bridge.
- *SR 15/600 (US 17-92), Florida Department of Transportation, District 5, Seminole County, Florida, Project Manager:* Widening US 17-92 from Shepard Road to Lake Mary Boulevard. Through innovative drainage design, wetland impacts were reduced by approximately 20 acres through the environmentally sensitive Spring Hammock Preserve and Soldiers Creek Basin.
- *Environmental and Protected Species Continuing Services, County of Volusia, Florida, Project Manager:* Tasks included an evaluation of available mitigation parcels and costs for Tymber Creek Road; two wetland delineation projects; wildlife hazard management assessments and training at the airport and a feasibility assessment for Barberville Mitigation Bank Phase Two.
- *SR 5 (US 1) Arterial Investment Study, Florida Department of Transportation, District 5, Volusia County, Florida:* Arterial Investment Study of the 35-mile segment of US 1 (from SR 442 to I-95) to improve upon and manage congestion, and provide for the development and improvement of new and existing facilities and services to increase capacity of the study area. The study provides documented information necessary for the Volusia County MPO to reach a decision on prioritizing specific projects outlined by this study for future funding and implementation. Collected and analyzed data for historical/cultural, natural features and physical features such as noise, air quality, and hazardous waste. Work also included participation in public meetings including those with the MPO and Citizens Advisory Committee and Technical Advisory Committee.
- *Districtwide Environmental Consulting Services, Florida Department of Transportation, District 5, Project Manager:* Natural and Physical Impact studies and Cultural and Historical Resources studies for specific transportation projects. The work includes development and preparation of categorical exclusions, environmental assessments or environmental impact statements to satisfy the requirements of the NEPA and/or other related Federal and State environmental laws and regulations. Services provided

include: endangered species biological assessments for flora and fauna, gopher tortoise relocations, cultural resource assessments, contamination screenings, wetland assessments, and preparation of ETDM summary reports.

- *SR 40 PD&E Study, Volusia, Lake and Marion Counties, Florida:* PD&E study encompassing 40 miles between Silver Springs and SR 15, approximately half of which passes through the Ocala National Forest and the Lake George State Forest. These woodlands provide important habitat and serve as regional travel corridors for numerous wildlife species. Conducted extensive biological field surveys and background research studies to document natural resources. The field studies included species specific surveys for the southeastern American kestrel, Florida scrub-jay and gopher tortoise. A seasonal road kill survey included a combination of “highway drive”, slow role shoulder” and pedestrian surveys. This information, along with an evaluation of potential project related impacts, was summarized in the Wildlife and Habitat Evaluation Report. Worked closely with many regulatory agencies, nongovernmental organizations, and the public to find possible solutions to facilitate the safe movement of wildlife across the SR 40 corridor. The studies helped identify potential areas for wildlife crossing structures and alternative designs for those structures.
- *SR 15 PD&E Study, Volusia County, Florida:* PD&E project along SR 15 from DeLeon Springs Boulevard to SR 40. Responsible for analyzing impacts to Section 4(f) resources, wetlands, wildlife and habitat, air, noise, water quality, contamination screening, Outstanding Florida Waters, Wild and Scenic Rivers, and Aquatic Preserves. The Wildlife and Habitat Impact Assessment included analyzing the corridor the inclusion of wildlife crossings. A number of potential wildlife crossing locations were assessed and one location was selected for installation of wildlife shelves on both sides of the creek and installation of wildlife fencing. All alternatives and the final preferred alternative were coordinated with and approved by the USFWS and the FWC.
- *I-95 PD&E from SR 50 to I-4, Brevard and Volusia Counties, Florida:* A 43-mile corridor study of the proposed widening of I-95 from north of SR 50 in Brevard County to south of I-4 in Volusia County. The project required the existing four-lane section to expand to six lanes by widening into the median. Conduct studies to evaluate potential impacts to wetlands, wildlife and habitat, noise and air quality, contamination, outstanding Florida Waters, Wild and Scenic Rivers, Aquatic Preserves, and Coastal Barrier Resources. The project also required the preparation of conceptual mitigation plans and close coordination with regulatory agencies to identify potential concerns, permit conditions and types of permits required to complete the project as proposed. All tasks were performed in accordance with the FDOT’s PD&E Manual.

Megan Olivera

Public Involvement

Education

MS, Business Administration, University of Phoenix
BS, Business Administration and Marketing, University of Phoenix

Years of Experience

Total – 8

Professional Qualifications

Operation Lifesaver Certified Presenter, 2011
Public Involvement in Transportation Decision Making, 2008
Up Front Communications Media Training, 2008
FDOT Median Handbook Online Seminar, 2007
FDOT Public Involvement Training, 2007

Ms. Olivera has in-depth experience in developing and implementing public involvement and outreach strategies. She is recognized for building positive community relationships and gaining understanding and support for transportation initiatives. Ms. Olivera serves QCA as a Public Information Officer on a variety of projects from PD&E to construction. As a bilingual associate, her public information skills have assisted in bridging the gap between client agencies and the diverse communities they serve. She excels as a project liaison communicating and mediating issues between the owner agencies and special interest groups, community organizations, key opinion makers and the media.

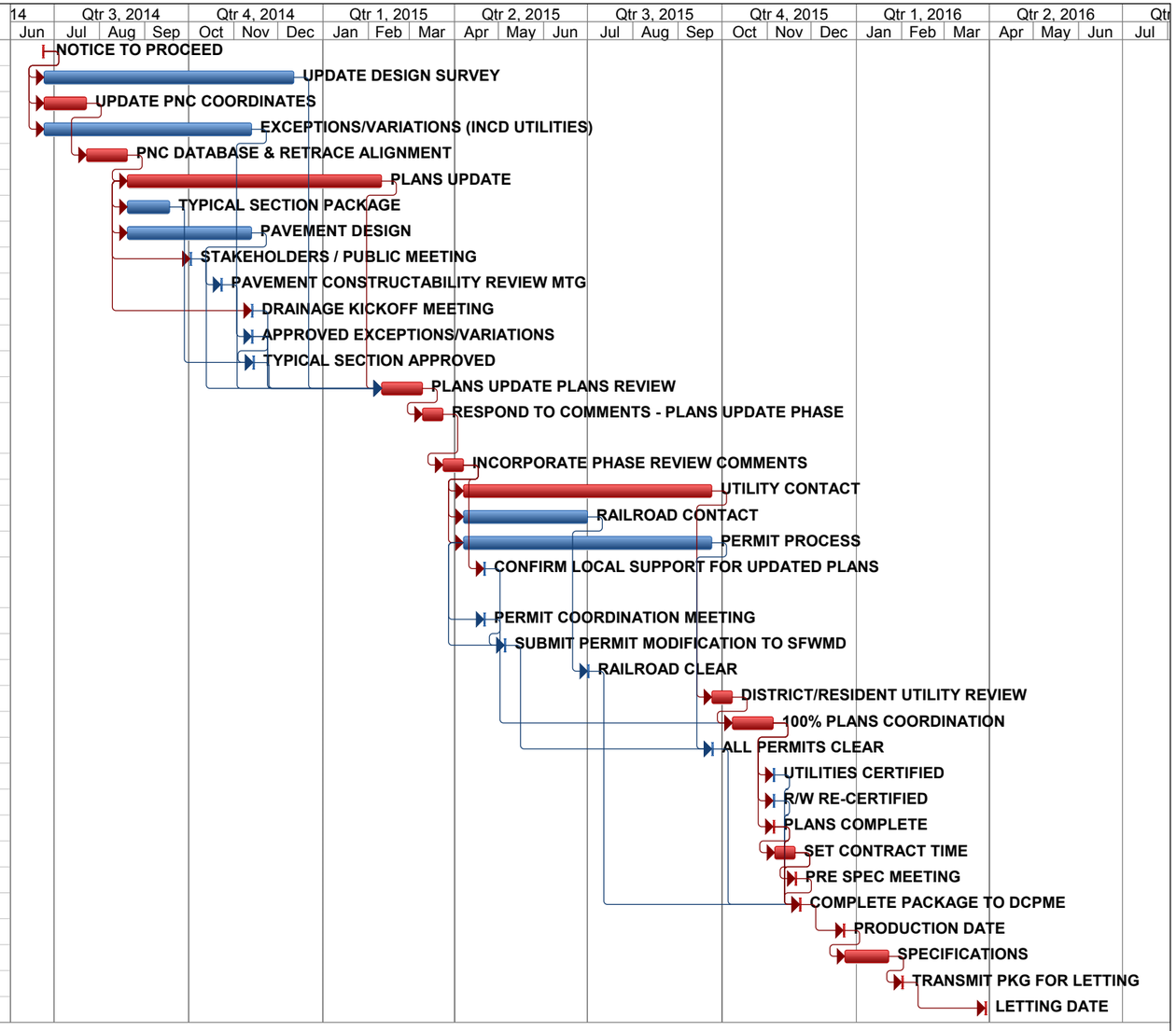
Relevant Experience

- *SR 40 Widening, Florida Department of Transportation, District 5, Ocala, Florida, Public Involvement:* QCA serves as the public involvement sub-consultant for final design of the SR 40 Widening and Reconstruction Project from East of CR 314 to East of CR 314A. Ms. Olivera is responsible for reviewing and updating the Community Awareness Plan. She also is responsible for organizing the community public meeting which includes: developing fact sheets, newspaper ads and other project collaterals; scheduling and facilitating community presentations; and, gathering and documenting public input.
- *SR 50 Bithlo Bridges, Florida Department of Transportation, District 5, Orlando, Florida, Public Involvement:* Ms. Olivera serves as the public involvement coordinator for final design of the SR 50 Bithlo Bridges which extends from Avalon Park Boulevard to South Tanner Road. She is responsible for preparation of public involvement documentation and meeting coordination to include mailing lists, newsletters, newspaper announcements, public meeting facility arrangements, public meeting materials and documentation and hand delivery of meeting announcements to businesses along the project corridor.
- *SR 551 (Goldenrod Road), Florida Department of Transportation, District 5, Orlando, Florida, Public Involvement:* Ms. Olivera provided public involvement services for the final design of the SR 551/Goldenrod Road Safety Improvement Project in Orange County. The project extends from south of Curry Ford Road to north of SR408. Ms. Olivera reviewed and enhanced the Community Awareness Plan. She was responsible for developing fact sheets, newspaper ads and other project collaterals; scheduling and facilitating community presentations on the project; coordinating, facilitating and publicizing public meetings; and, gathering and documenting public input.
- *SR 5 at Reed Canal Road Intersection Improvements, Florida Department of Transportation, District 5, South Daytona, Florida, Public Involvement :* Ms. Olivera spearheaded the public involvement effort for the final design of the SR 5/US 1/Ridgewood Avenue at Reed Canal Road Intersection Improvements. She organized, promoted and documented public meetings. She was also responsible for developing fact sheets, newspaper ads and other project collaterals; scheduling and facilitating community presentations; and, gathering and documenting public input.
- *Districtwide Public Information for Construction Projects, Florida Department of Transportation, District 5, Osceola, Orange and Seminole County, Public*

Involvement: Ms. Olivera coordinated public involvement for over 30 FDOT construction projects. This includes six SR 50 projects from the Florida's Turnpike to Dean Road. She attended nearly 40 community meetings and presentations including public meetings, access management meetings, and Orange County Development Agency seminars. She works with city and county officials, and has communicated with thousands of business owners to coordinate median and driveway closures. She also has tracked and helped resolve dozens of damage claims. She hosts public meetings, handles media releases, interviews and newsletters, and manages project stakeholder databases.

- *US 17 Reconstruction Project, Florida Department of Transportation, District 1, Hardee County, Florida, Public Involvement:* QCA served as the public involvement sub-consultant for the US Highway 17 Widening from the DeSoto County Line to County Road 634 (Sweetwater Road). Ms. Olivera provided translation services for newsletters and the project website, www.US17Hardee.com.
- *President Barack Obama Parkway Design & Construction, City of Orlando, Florida, Public Involvement:* Ms. Olivera has provided public information services for the development of the City of Orlando's President Barack Obama Parkway project. She works to keep the media, emergency service agencies, elected officials, and the general public informed about the progress of this project through weekly updates, media advisories, and attending community neighborhood meetings.
- *Community Awareness, Florida Department of Transportation, District 5, Brevard, Osceola, Orange and Seminole Counties. Florida, Public Involvement:* QCA provided public involvement services on the Department's design projects for this districtwide contract. QCA associates crafted effective Community Awareness Plans and were responsible for writing and implementing communications plans and coordinating public meetings.
- *Osceola County Transportation Management Program, Kissimmee, Florida, Public Involvement:* Ms. Olivera provided public information services for several projects as part of Osceola County's Transportation Management Program. Her main objectives were to plan and facilitate public meetings, produce and distribute project newsletters, and keep the general public informed about upcoming project-related activities.

ID	Task Name	Duration	Start	Finish	Float
1	NOTICE TO PROCEED	1 day	Mon 6/23/14	Mon 6/23/14	0 days
2	UPDATE DESIGN SURVEY	120 days	Tue 6/24/14	Thu 12/11/14	40 days
3	UPDATE PNC COORDINATES	20 days	Tue 6/24/14	Tue 7/22/14	0 days
4	EXCEPTIONS/VARIATIONS (INCD UTILITIES)	100 days	Tue 6/24/14	Wed 11/12/14	0 days
5	PNC DATABASE & RETRACE ALIGNMENT	20 days	Wed 7/23/14	Tue 8/19/14	0 days
6	PLANS UPDATE	120 days	Wed 8/20/14	Mon 2/9/15	0 days
7	TYPICAL SECTION PACKAGE	20 days	Wed 8/20/14	Wed 9/17/14	41 days
8	PAVEMENT DESIGN	60 days	Wed 8/20/14	Wed 11/12/14	0 days
9	STAKEHOLDERS / PUBLIC MEETING	1 day	Thu 10/2/14	Thu 10/2/14	89 days
10	PAVEMENT CONSTRUCTABILITY REVIEW MTG	1 day	Thu 10/23/14	Thu 10/23/14	74 days
11	DRAINAGE KICKOFF MEETING	1 day	Thu 11/13/14	Thu 11/13/14	59 days
12	APPROVED EXCEPTIONS/VARIATIONS	1 day	Thu 11/13/14	Thu 11/13/14	99 days
13	TYPICAL SECTION APPROVED	1 day	Fri 11/14/14	Fri 11/14/14	58 days
14	PLANS UPDATE PLANS REVIEW	20 days	Tue 2/10/15	Mon 3/9/15	0 days
15	RESPOND TO COMMENTS - PLANS UPDATE PHASE	10 days	Tue 3/10/15	Mon 3/23/15	0 days
16	INCORPORATE PHASE REVIEW COMMENTS	10 days	Tue 3/24/15	Mon 4/6/15	0 days
17	UTILITY CONTACT	120 days	Tue 4/7/15	Wed 9/23/15	0 days
18	RAILROAD CONTACT	60 days	Tue 4/7/15	Tue 6/30/15	0 days
19	PERMIT PROCESS	120 days	Tue 4/7/15	Wed 9/23/15	0 days
20	CONFIRM LOCAL SUPPORT FOR UPDATED PLANS	1 day	Tue 4/21/15	Tue 4/21/15	99 days
21	PERMIT COORDINATION MEETING	1 day	Tue 4/21/15	Tue 4/21/15	9 days
22	SUBMIT PERMIT MODIFICATION TO SFWMD	1 day	Tue 5/5/15	Tue 5/5/15	39 days
23	RAILROAD CLEAR	1 day	Wed 7/1/15	Wed 7/1/15	90 days
24	DISTRICT/RESIDENT UTILITY REVIEW	10 days	Thu 9/24/15	Wed 10/7/15	0 days
25	100% PLANS COORDINATION	20 days	Thu 10/8/15	Wed 11/4/15	0 days
26	ALL PERMITS CLEAR	1 day	Thu 9/24/15	Thu 9/24/15	30 days
27	UTILITIES CERTIFIED	1 day	Thu 11/5/15	Thu 11/5/15	11 days
28	R/W RE-CERTIFIED	1 day	Thu 11/5/15	Thu 11/5/15	11 days
29	PLANS COMPLETE	1 day	Thu 11/5/15	Thu 11/5/15	0 days
30	SET CONTRACT TIME	10 days	Fri 11/6/15	Thu 11/19/15	0 days
31	PRE SPEC MEETING	1 day	Fri 11/20/15	Fri 11/20/15	0 days
32	COMPLETE PACKAGE TO DCPME	1 day	Mon 11/23/15	Mon 11/23/15	0 days
33	PRODUCTION DATE	1 day	Wed 12/23/15	Wed 12/23/15	0 days
34	SPECIFICATIONS	20 days	Thu 12/24/15	Fri 1/22/16	0 days
35	TRANSMIT PKG FOR LETTING	1 day	Mon 2/1/16	Mon 2/1/16	0 days
36	LETTING DATE	1 day	Tue 3/29/16	Tue 3/29/16	0 days



Project: SR 600 (US17/92) from West of Poinciana Blvd. to CR 535
FPN: 239714-1-32-01
Date: Thu 3/27/14

Task Critical

ESTIMATE OF WORK EFFORT FOR TECHNICAL PROPOSALS - GRAND TOTAL

Project Description: SR 600 from west of Poinciana Blvd to CR 535

Financial Project Number: 239714-1-32-01

FAP Number:

WORK ACTIVITY	TOTAL STAFF HOURS RANGE		CADD
	From	To	Hours
3. Project General Tasks	470	494	
4. Roadway Analysis	2250	2320	
5. Roadway Plans	1210	1250	
6. Drainage Analysis	560	600	
7. Utilities	169	186	
8. Environmental Permits	440	530	
9. Structures - Misc. Tasks, Dwgs, Non-Tech.	45	50	
10. Structures - BDR			
11. Structures - Temporary Bridge			
12. Structures - Short Span Concrete			
13. Structures - Medium Span Concrete			
14. Structures - Structural Steel			
15. Structures - Segmental Concrete			
16. Structures - Movable Span			
17. Structures - Retaining Walls			
18. Structures - Miscellaneous	56	62	
19. Signing & Marking Analysis	240	260	
20. Signing & Marking Plans	100	120	
21. Signalization Analysis	90	100	
22. Signalization Plans	42	46	
23. Lighting Analysis			
24. Lighting Plans			
25. Landscape Architecture Analysis			
26. Landscape Architecture Plans			
27. Survey (Office Support)	548	791	
28. Photogrammetry			
29. Mapping	264	291	
30. Geotechnical			
31. Architecture Development			
TOTALS	**6484**	**7100**	**0**

Notes:

Field Survey Estimate: From: 141 (4-man crew days); To: 208 (4-man crew days)

TOTAL PROJECT LENGTH IN MONTHS: 18

Staff % Distribution Range	From	To
Project Manager	8	10
Chief Engineer	4	6
Senior Engineer	10	15
Project Engineer	15	20
Senior Designer	10	15
Designer	20	25
CADD / Tech.	20	25
Clerical	3	5

NOTES:

Key Contacts

Client	Key Contact	Phone	Related Projects
FDOT District 5	Amir Asqarinik	386.943.5557	SR 520 from CR 532 to the St. Johns River
FDOT District 2	Richard Moss, PE	386.961.7533	I-95 Overland Bridge Replacement
FDOT District 2	Jim Knight, PE	386.961.7707	First Coast Outer Beltway
FDOT District 2	Jamie Driggers, PE	386.758.3722	SR 21 Improvements

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

TRUTH IN NEGOTIATION CERTIFICATION

For any lump-sum or cost-plus-a-fixed-fee professional service agreement over $60,000 the Florida Department of Transportation (Department) requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal.

The Consultant hereby certifies, covenants and warrants that wage rates and other factual unit costs supporting the compensation for this project's agreement will be accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the Department determines the agreement price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs. All such agreement adjustments shall be made within one (1) year following the end of the agreement. For purpose of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the Department, whichever is later.

ARCADIS U.S., Inc.
Name of Consultant

By: 
Authorized Signature

March 26, 2014
Date

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY)
01/03/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

Holder Identifier :

PRODUCER
Aon Risk Services South, Inc.
Franklin TN Office
501 Corporate Centre Drive
Suite 300
Franklin TN 37067 USA

CONTACT NAME:
PHONE (A/C. No. Ext): (866) 283-7122 **FAX (A/C. No.):** 800-363-0105
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A:	Greenwich Insurance Company	22322
INSURER B:	XL Specialty Insurance Co	37885
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

INSURED
Arcadis U.S, Inc.
630 Plaza Drive
Suite 200
Highlands Ranch CO 80129 USA

COVERAGES **CERTIFICATE NUMBER:** 570052553150 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	**GENERAL LIABILITY**			GEC001076112	01/01/2014	01/01/2015	EACH OCCURRENCE	$1,000,000
	X COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence)	$1,000,000
	CLAIMS-MADE X OCCUR						MED EXP (Any one person)	$10,000
	X Contractual Liability						PERSONAL & ADV INJURY	$1,000,000
							GENERAL AGGREGATE	$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PRODUCTS - COMP/OP AGG	$2,000,000
	POLICY X PRO-JECT X LOC							
B	**AUTOMOBILE LIABILITY**			AEC001075812	01/01/2014	01/01/2015	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
				AOS				
B	X ANY AUTO			AEC001719510	01/01/2014	01/01/2015	BODILY INJURY (Per person)	
	ALL OWNED AUTOS / SCHEDULED AUTOS			MA			BODILY INJURY (Per accident)	
	X HIRED AUTOS / X NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	
	X Property Damage to							
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	
	DED RETENTION							
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N			RWD943516308	01/01/2014	01/01/2015	X WC STATU-TORY LIMITS OTH-ER	
	ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? N	N / A		All Other States				
B	**(Mandatory in NH)**			RWR943516708	01/01/2014	01/01/2015	E.L. EACH ACCIDENT	$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below			WI			E.L. DISEASE-EA EMPLOYEE	$1,000,000
							E.L. DISEASE-POLICY LIMIT	$1,000,000

Certificate No : 570052553150

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
Evidence of Insurance.

CERTIFICATE HOLDER

Arcadis U.S., Inc.
630 Plaza Drive, Suite 200
Highlands Ranch CO 80129 USA

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Aon Risk Services South, Inc.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

375-030-62
PROCUREMENT
03/14

ASPIRATION GOAL FORM
FOR "DBE" AND "NON-DBE SMALL BUSINESS" FIRMS

This form is not applicable for BDI reserved contracts and contracts that have under-utilization goals.

Note: The Firm is required to complete the following information and submit this form in accordance with advertisement instructions.

Contract No. or Advertisement No.:	14549
Project Description:	SR 600 (US17/92) from 1900' W of Poinciana Boulevard to CR 535
Firm Name:	ARCADIS U.S., Inc.

This Firm ☐ is ☒ is not a Department of Transportation certified Disadvantaged Business Enterprise (DBE).

This Firm ☐ is ☒ is not a Small Business.

Expected percentage of contract fees to be utilized by DBE(s): 12 %. (Please add together fees for DBE prime (if applicable) and DBE subs).

Firms listed in the table below should appear in the Department's listing of DBE's at:
http://www3b.dot.state.fl.us/EqualOpportunityOfficeBusinessDirectory/CustomSearch.aspx

The proposed DBE contractors/consultants are as follows:

DBE Prime (If applicable)	Type of Work
N/A	
DBE Subcontractor/Subconsultant	**Type of Work**
Civil Services, Inc.	Maintenance of Traffic, Miscellaneous Structures
Geodata Consultants, Inc.	Survey and Mapping Support
Brindley Pieters and Associates, Inc.	Utility Coordination
Quest Corporation of America, Inc.	Public Involvement
GMB Engineers & Planners, Inc.	Signal Design and ITS
Southeastern Archaeological Research, Inc.	Cultural Resources

Please note, the winning firm is required to enter DBE Participation in the Equal Opportunity Compliance (EOC) System subsequent to contract award.

Expected percentage of contract fees to be utilized by Non-DBE Small Businesses _____ %. (Please add together fees for Non-DBE Small Business prime (if applicable) and Non-DBE Small Business subs).

Professional Services firms listed below should appear on the Department's listing of all Non-DBE Small Businesses at: http://www2.dot.state.fl.us/procurement/professionalservices/lppc/sbeonly.htm. Road and bridge construction firms and other non-professional services firms should appear on the Department's listing at: http://www2.dot.state.fl.us/sasweb/cgi-bin/broker.exe?_service=default&_program=inetprog.db2.smbusform.scl

The proposed Non-DBE Small Business contractors/consultants are as follows:

Non-DBE Small Business Prime (If applicable)	Type of Work
N/A	

Non-DBE Small Business Subcontractor/Subconsultant	Type of Work
E- Sciences, Inc.	Environmental/Permitting
I. F. Rooks & Associates	Photogrammetry

By: Gene Howerton

Title: Vice President

Date: 3/26/2014

CERTIFICATION FOR DISCLOSURE OF LOBBYING ACTIVITIES ON FEDERAL-AID CONTRACTS

(Compliance with 49CFR, Section 20.100 (b))

The prospective participant certifies, by signing this certification, that to the best of his or her knowledge and belief:

(1) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer of employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities", in accordance with its instructions. (Standard Form-LLL can be obtained from the Florida Department of Transportation's Professional Services Administrator or Procurement Office.)

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The prospective participant also agrees by submitting his or her proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such subrecipients shall certify and disclose accordingly.

Name of Consultant:

By: Gene Howerton Date: March 26, 2014 Authorized Signature

Title: Vice President

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION FOR FEDERAL AID CONTRACTS

(Compliance with 49CFR, Section 29.510)
(Appendix B Certification]

It is certified that neither the below identified firm nor its principals are presently suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.

Name of Consultant: ARCADIS U.S., Inc.

By _____ Date:March 26, 2014
Authorized Signature

Title: Gene Howerton, Vice President

Instructions for Certification

1 . By signing and submitting this certification with the proposal, the prospective lower tier participant is providing the certification set out below.

2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the Department may pursue available remedies, including suspension and/or debarment.

3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted. If at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

4. The terms 'covered transaction', 'debarred', 'suspended', 'ineligible', 'lower tier covered transaction','participant', 'person', primary covered transaction', 'principal', 'proposal', and 'voluntarily excluded', as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the person to which this proposal is being submitted for assistance in obtaining a copy of those regulations.

5. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the Department or agency with which this transaction originated.

6. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled “Appendix B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction", without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant are not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the Department may pursue available remedies, including suspension and/or debarment.

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: ARCADIS U.S., Inc.

Vendor FEIN: 57-0373224

Vendor's Authorized Representative Name and Title: Gene Howerton, Vice President

Address: 1650 Prudential Drive, Suite 400

City: Jacksonville State: Florida Zip: 32207

Phone Number: 904.721.2991

Email Address: gene.howerton@arcadis-us.com

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies for goods or services of $1,000,000 or more, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Both lists are created pursuant to section 215.473, Florida Statutes. This requirement is not applicable to federally funded contracts.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above in the section entitled "Respondent Vendor Name" is not listed on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

Certified By: Gene Howerton

who is authorized to sign on behalf of the above referenced company.

Authorized Signature Print Name and Title: Gene Howerton, Vice President

Date: March 26, 2014

EXEMPT DOCUMENTS / SECURITY SYSTEM PLAN DISTRIBUTION FORM

Exempt Documents being requested or received are included in those exempt from public disclosure as provided by Section 119.071(3)(b), Florida Statutes (Attached). **Security System Plans** being requested are confidential and exempt as provided by Section 119.071(3)(a), Florida Statutes (Attached). The Exempt Documents relate to work being performed for or required by the Florida Department of Transportation, or work related to the Department's structures. The following information is being provided as a record of this request or receipt, and distribution of the Exempt Documents or Security System Plans.

Completion of this form and a signature is required before information will be released (* Indicates Required to Obtain Security System Plans):

A. Entity Requesting/Receiving Documents: (Check All That Apply and Provide Full Name of Entity.)

☐ **State Agency*:** _____

☐ **Federal Agency*:** _____

☐ **Governmental:** _____

☐ **Architect:** _____

☒ **Engineer:** ARCADIS U.S., Inc.

☐ **Contractor:** _____

☐ **Other:** _____

B. Entity Name: ARCADIS U.S, Inc.

Address: 1650 Prudential Drive, Suite 400, Jacksonville, Florida 32207

Phone: 904.721.2991

C. Exempt Documents / Security Systems Plans requested or provided: (Be specific on what is requested or to be provided, and include description, project numbers, FIN, contract numbers, etc.)

_____

D. Reason for Request/Intended Use: _____

E. RECIPIENT CERTIFICATION: I, personally, and/or as representative of the above entity, fully understand (check the applicable certification block)

☒ the exempt nature of the Exempt Documents I am receiving and agree to maintain the exempt status of this information in accordance with Florida law.

☒ the confidential and exempt nature of the Security System Plans I am receiving and agree to maintain the confidential and exempt status of these Security System Plans in accordance with Florida law.

F. Name of person receiving Exempt Documents / Security Plans: (Printed): Gene Howerton

Signature: Gene Howerton Date: March 26, 2014

Email: gene.howerton@arcadis-us.com

G. Driver license or photo identification number of recipient: _____

(Recipient must provide verification of employment with the above entity and verify identity with photo ID)

H. FDOT Employee or Other Individual Providing Exempt Documents or Security Plans:

FDOT Office: _____ Employee Name: _____

Other Individual Name: _____

Name and Office Address of Employer: _____

I. Exempt Documents / Security Systems Plans provided if different than requested: (Be specific on what is provided, and include description, project numbers, FIN, contract numbers, etc.)

_____

J. Signature of Person Authorizing Distribution: _____ Date: _____

Provider's Signature (if different than person authorizing distribution): _____

K. Method of delivery: ☐ Pick-up by requestor _____ other (specify other method of delivery)

Date Provided: _____

EXEMPT DOCUMENTS / SECURITY SYSTEM PLAN DISTRIBUTION FORM

EXEMPT DOCUMENTS - Section 119.071(3)(b), Florida Statutes, provides:
Building plans, blueprints, schematic drawings, and diagrams, including draft, preliminary, and final formats, which depict the internal layout and structural elements of a building, arena, stadium, water treatment facility, or other structure owned or operated by an agency are exempt from s. 119.07(1) and s.24(a), Art. I of the State Constitution. This exemption applies to building plans, blueprints, schematic drawings, and diagrams, including draft, preliminary, and final formats, which depict the internal layout and structural elements of a building, arena, stadium, water treatment facility, or other structure owned or operated by an agency before, on, or after the effective date of this act. Information made exempt by this paragraph may be disclosed to another governmental entity if disclosure is necessary for the receiving entity to perform its duties and responsibilities; to a licensed architect, engineer, or contractor who is performing work on or related to the building, arena, stadium, water treatment facility, or other structure owned or operated by an agency; or upon a showing of good cause before a court of competent jurisdiction. The entities or persons receiving such information shall maintain the exempt status of the information.

SECURITY SYSTEM PLAN - ***Section 119.071(3)(a), Florida Statutes, provides:***
As used in this paragraph, the term “security system plan” includes all Records, information, photographs, audio and visual presentations, schematic diagrams, surveys, recommendations, or consultations or portions thereof relating directly to the physical security of the facility or revealing security systems; Threat assessments conducted by any agency or any private entity; Threat response plans; Emergency evacuation plans; Sheltering arrangements; or Manuals for security personnel, emergency equipment, or security training. A security system plan or portion thereof for: Any property owned by or leased to the state or any of its political subdivisions; or Any privately owned or leased property held by an agency is confidential and exempt from s. 119.07(1) and s. 24(a), Art. I of the State Constitution. This exemption is remedial in nature and it is the intent of the Legislature that this exemption apply to security system plans held by an agency before, on, or after the effective date of this paragraph. Information made confidential and exempt by this paragraph may be disclosed by the custodian of public records to The property owner or leaseholder; or Another state or federal agency to prevent, detect, guard against, respond to, investigate, or manage the consequences of any attempted or actual act of terrorism, or to prosecute those persons who are responsible for such attempts or acts.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

DBE PARTICIPATION STATEMENT

375-030-21
PROCUREMENT
10/01

Note: The Consultant is required to complete the following information and submit this form with the technical proposal.

Project Description: SR 600 (US 17/92) 1900' W of Poinciana Boulevard to CR 535

Consultant Name: ARCADIS U.S., Inc.

This consultant is not a Department of Transportation certified Disadvantaged Business Enterprise (DBE).

Expected percentage of contract fees to be subcontracted to DBE(s): 12 %

If the intention is to subcontract a portion of the contract fees to DBE(s), the proposed DBE sub-consultants are as follows:

DBE Sub-Consultant	Type of Work/Commodity
Civil Services, Inc.	Maintenance of Traffic, Miscelaneous Structures
Geodata Consultants, Inc.	Survey and Mapping Support
Brindley Pieters and Associates, Inc.	Utility Coordination
Quest Corporation of America, Inc.	Public Involvement
GMB Engineers and Planners, Inc.	Signals
Southeastern Archeological Research Inc.	Cultural Resources

By: Gene Howerton
Title: Vice President
Date: March 26, 2014