Our Team.....

**Principal-in-Charge**
Ronald Colas, PE, SI

**Project Manager**
Cecilia Villoria, PE

**Roadway**
Carlos Benavides, PE
Freddie Vargas, PE (DRMP)
Colette Moss, PE (DRMP)
Dayami Cruz, EI

**Drainage**
Yamil Hernandez, PE
Andy Greenwood, PE
Donald Brown, PE (DRMP)
Chad Croft, PE (DRMP)

**Structural**
Roger Khouri, PE
Andres Cardona, PE
Todd Mitchell, PE

**Signaling**
Amanda Correia-Kreiling, PE, PTOE, LCI
Carlos Benavides, PE
Juan Camacho, PE (DRMP)
Christine Dalickas, PE (DRMP)

**Lighting**
Mark Vandezee, PE
Grace Patino, EI
Kevin Walsh, PE

**Signing & Marking**
Freddie Vargas, PE (DRMP)
Colette Moss, PE (DRMP)
Christine Dalickas, PE (DRMP)
Dayami Cruz, EI

**Noise Barriers**
Patrick Romero, NICE, ENV SP

**Environmental**
Juan Prieto, PE, PMP (Nova)
Maya Compton-Grant (Nova)

**Landscape**
Jean Lee, ASLA, LEED BD+C (CRDS)
Aida Curtis, ASLA (CRDS)

**Utilities**
Werner Reinfeld, PE, ENV SP
Hansel Ayala

**Geotechnical**
Mark Mesiano, PE (FET)
William Grimes (FET)
Paul Tenity (FET)

**Survey**
Joseph DiBenedetto, PLS (DRMP)
### Introduction / Project Team

<table>
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<tr>
<th>Name</th>
<th>Position</th>
<th>Years of Experience</th>
<th>Key Qualifications</th>
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| Colette Moss, PE            | Roadway Design         | 26 Years            | • Project Manager for University Drive project for FDOT District Four in Broward County  
• Specializes in the design and project management for major and minor transportation projects including complex reconstruction projects and new alignment of limited access facility projects |
| Mauricio Paredes, PE        | QA/QC                  | 23 Years            | • Interfaces regularly with the client, always focusing on the client’s needs  
• 23 Years of Civil Engineering Experience  
• Intimately Familiar with Local Regulations  
• Aware of Current Permitting Requirements  
• Stormwater Management Expertise |
| Freddie Vargas, PE          | Roadway Design         | 38 Years            | • Over 30 years of professional engineering experience in traffic and transportation engineering  
• Experienced in managing projects with FDOT, counties and other municipalities throughout south Florida  
• Assistant Project Manager for University Drive project in Broward County |
| Cecilia Villoria, PE        | Project Manager        | 23 Years            | • Managed over 30 roadway design projects  
• Track record for delivering projects on time and within budget  
• Designed and constructed many roadway projects involving complete streets  
• Interfaces regularly with the client, always focusing on the client’s needs |
| Beth Zsoka                  | Public Involvement     | 10 Years            | • Leads the public involvement for the University Drive Project in Broward County  
• Extensive experience in market research and community outreach efforts  
• Well-established positive relationships with area stakeholders, elected officials and government agencies |
Agenda

- Project Approach & Understanding of Critical Issues
- Management Plan / Quality Assurance Quality Control
- Ability to Provide Required Services within Schedule & Budget
- Questions & Answers
Project Approach and Understanding of Critical Issues
Wides of Wiles Rd. from University Dr. to Riverside Dr. from 4 to 6 lanes

- Roadway/Signing & Pavement Markings
- Drainage/Permitting
- Maintenance of Traffic
- Structural Analysis for gravity walls
- Signalization
- Lighting
- Landscaping

- Utilities
- Public Involvement
- Surveying and Mapping
- Geotechnical Services
- Noise Barrier Impact Assessment and Design (Optional Services)
- Coordination with adjacent projects
Typical Section

- 6 lane divided
- 18’ median
- 11’ travel lanes
- 5’ bike lanes
- 6’ sidewalks

Design Criteria

- Florida Green Book
- Broward MPO Complete Streets Guidelines
- FDOT PPM and Design Standards
- FDOT Complete Streets Handbook (to be released Spring 2017)
- MUTCD
Proposed Layout
Existing Drainage Pattern

- Consists of a closed drainage system:
  - swales, exfiltration trenches, and DBIs

- Collected by two Water Management Districts:
  1. North Spring Improvement District (NSID): North of roadway base line
  2. Sunshine Water Control District (SWCD): South of roadway baseline
Proposed Drainage Approach / Permitting

1. Expand the existing exfiltration trenches to accommodate all of the impervious area for the project and treat all stormwater runoff onsite and/or

2. Modify the existing master system for the Royal Lands to accommodate the proposed improvements

Permits will be required from SFWMD, NSID, and SWCD
Maintenance of Traffic (3 Phases)

Phase I-A

- Widen EB/WB median 3’ with temporary pavement
- Utilize lane closure (nighttime only)
Maintenance of Traffic Phase I-B

- Shift traffic toward median with 2 - 10’ lanes
- Protect outside work zone with low profile barrier and construct outside widening, drainage, sidewalk, etc.
- Construct one side of the roadway at a time to maintain pedestrian access
Maintenance of Traffic

Phase II
- Shift traffic to new outside widened pavement
- Construct median curb and install landscape improvements

Phase III
- Mill and resurface
- Place final pavement markings and signage

Critical Components
- Maintain Pedestrian and Motorist Safety
- Maintain business signage, driveway access, and bus stops
Signalization – University Drive / Wiles Road

- Potential Special Mast Arm Design
- No R/W required
- Existing Signalization Easement at SW Quadrant
- Easy coordination with University Drive Project
Utility Coordination

Request Sunshine State One Call Design Ticket

Utility Contact Letters & preliminary plans sent to Utility Agency Owners (UAO’s)

Utility Coordination Meeting to minimize/mitigate conflicts

Clear letters will be provided by the UAO’s once conflicts are cleared.

UAO’s will provide Markups and As-builts to identify possible conflicts

Clear package is prepared to confirm clearance with all UAOs within the project limits.

DESIGN TICKET #094710747

- Broward County OES-Water Supply
- North Springs Improvement District
- Royal Utility Company (Water supply – South of Wiles)
- Broward County Traffic Engineering Division
- City of Coral Springs
- Advanced Cable Communications
- FPL (Distribution)
- FPL Transmission
- TECO Peoples Gas
- AT&T Distribution
Outreach to Stakeholders/ Adjacent Projects

Local Municipalities and/or Groups
Broward County and the City of Coral Springs
DESIGN SERVICES FOR
Wiles Road from University Drive to Riverside Drive

Management Plan/
Quality Assurance
Quality Control

WSP | Parsons Brinckerhoff is now
Management Approach

- PM as the single point of contact
- Perform risk assessment
- Develop contingency plan to address risks
- Weekly PM coordination
  - Task Activity/Status
  - Schedule Adherence
- Monthly progress report
  - Progress Tracking
  - Task look ahead
  - Issue identification
Quality Control Process

- Develop/implement QA/QC Plan
- Applies to all deliverables
- Each deliverable is reviewed by an independent qualified reviewer
- PM performs additional QC for completeness and consistency
DESIGN SERVICES FOR
Wiles Road from University Drive to Riverside Drive

Ability to Provide Services within Budget and Schedule
Cost Control, Budget, Schedule

**Project Controls** will **plan, manage, and mitigate** cost and schedule issues and any risk events that may impact your project.
Team Similar Project Experience

University Drive:
- 4 - 6 lanes
- NW 40th St to Sawgrass Expressway

Old Kings Road:
- 2 - 4 lanes
- Palm Coast Parkway to Forrest Green Road

Palm Coast Parkway:
- 4 - 6 lanes
- Boulder Rock Drive/Cypress Point Parkway to Florida Parkway

City of Coral Springs Capital Improvement Plan
Reasons to Select the WSP Team

- We Understand the Overall Vision for this Project
- Key Team Members are Uniquely Qualified for your Project
- Initial Conceptual Design Completed for your Project Success

✔ We can provide you with the most cost-effective solutions for this project!
Questions & Answers
Bringing a Local Team that is focused on cost-efficiency. Our mission is to Deliver Exceptional Project Outcomes.