DESIGN SERVICES FOR:

WILES ROAD FROM UNIVERSITY DRIVE TO RIVERSIDE DRIVE

SOLICITATION NO. R2113749P1

Oral Presentation: May 12, 2017
Lochner Overview

• Who We Are
• Our Team
• Project Manager – Manuel Sauleda, PE
• Key Staff
• Complete Streets Experience
• Why Lochner?
Who We Are

• Employee-owned company founded in 1944
• Over 60 professional staff members in Florida
• We have been working in Florida for over 50 years
• Core services include:
  • Roadway, including Complete Streets design
  • Structures
  • Drainage
  • Environmental
  • Planning
  • Construction Engineering and Inspection (CEI)
  • Alternative Delivery
Our Team

LOCHNER

All Lochner subconsultants are certified Broward County Small Business County Business Enterprises (CBE) - to meet the 15% CBE participation requirement!
Project Manager – Manuel Sauleda, PE

- 28 years of experience in the technical execution of complex civil engineering projects.
- Extensive experience managing design of South Florida roadway projects involving Complete Streets elements similar to the Wiles Road project.
- Managed numerous roadway design projects for the Florida Department of Transportation (FDOT).
Key Staff

BROWARD COUNTY
- Carolina Bustamante, PE (Project Manager)
  - Principal-In-Charge
    - Don Skelton, PE (29)
  - Complete Streets/Context Sensitive Solutions
    - Stephan Verberne, PE (16)

ROADWAY QA MANAGER
- John Kenty, PE (23)
  - Complete Streets Compliance
    - Bill Howell, PE (35)

ROADWAY
- Edwin Mojena, PE (24)

DRAINAGE
- Tracy Ellison, PE (24)

MOT
- Jorge Lopez, PE (14)

S&PM
- Alejandro Jauregui, PE (15)

SIGNALIZATION
- Rob Swann, PE (30)

LIGHTING
- Jack Box, PE (39)

SURVEY
- Fernando Fernandez, PLS² (15)
  - Jorge Mitchell Olmo² (12)

GEOTECHNICAL
- Angela Alba, PE¹ (19)
  - Amy Guisinger, PE¹ (16)

LANDSCAPE ARCHITECTURE
- Aida Curtis, RLA¹ (29)
  - Jean Lee, LEED BD+C² (25)

PUBLIC INVOLVEMENT
- Lara Bouck, PE, AICP (12)

1. AREHNA Engineering (CBE)
2. Curtis + Rogers Design Studio, Inc. (CBE)
3. Premiere Design Solutions, Inc. (CBE)
Edwin Mojena, PE – Roadway Lead

• 24 years of experience in the development, design, and management of South Florida roadway and transportation projects.
• Extensive experience coordinating with local agencies, utilities, and community stakeholders.
• Managed design of roadway projects for FDOT similar to the Wiles Road project including Complete Streets design elements, such as Alton Road.
Stephan Verberne, PE – Complete Streets

• 16 years of experience in roadway engineering.
• Has developed conceptual engineering design plans for a variety of FDOT projects including roadway, Complete Streets, and roundabouts.
• Served as Design Engineer on the 15th Street E/301 Blvd E PD&E Study for FDOT District 1 that involved Complete Streets elements similar to those requested for the Wiles Road project.
Bill Howell, PE – Complete Streets Compliance

• 35 years of experience with primary focus on PD&E and planning in relation to major roadway and Complete Streets projects for FDOT.

• Managed design of both 15th Street E/301 Blvd E and US 41 Roundabouts for FDOT District 1—projects similar in scope to Wiles Rd

• Extensive experience conducting roadway PD&E studies involving complex socioeconomic, environmental, cultural, and historical issues.
Jorge Lopez, PE – Maintenance of Traffic

• 14 years of experience in roadway, traffic control plans, and signalization design plans production.
• Extensive experience managing MOT on FDOT roadway aesthetics improvements projects similar to the Wiles Road scope.
• Well versed with FDOT standards, procedures, and preferences and is also FDOT Specification Package Certified.
Alejandro Jaureguy, PE – S&PM

• 15 years of experience in project management of South Florida highway design projects.
• Managed signing and pavement markings, utility relocations, cost estimating, and QA/QC for numerous FDOT roadway projects.
• Currently serves as Task Manager responsible for plans production including S&PM for the SR 907 (Alton Road) Reconstruction project for FDOT District 6—a project similar in scope to Wiles Rd.
Rob Swann, PE – Signalization

- 30 years of experience in the design and production of signals, S&PM, and roadway lighting plans.
- Served as Engineer-of-Record for signalization on the US 41 Roundabouts project for FDOT District 1, a Complete Streets project similar in size and scope to the Wiles Road project.
- Additional experience with traffic signal inspection, traffic calming, vehicle and pedestrian channelization, safety studies, and Americans with Disabilities Act (ADA) compliance.
Tracy Ellison, PE – Drainage

• 24 years of experience developing drainage systems appropriate for every class of FDOT roadway projects including Complete Streets.

• Served as Engineer-of-Record for drainage on both the 15th Street E/301 Blvd. E PD&E and US 41 Roundabouts Complete Streets projects for FDOT District 1.

• Extensive experience designing cost-effective and constructible drainage facilities within limited right of way.
Jack Box, PE – Lighting

- 39 years of experience encompassing the lighting design of numerous classes of FDOT roadway projects including Complete Streets.
- Managed lighting design for many urban lighting projects similar in size and scope to the Wiles Road project including the US 41 Roundabouts Complete Streets project for FDOT District 1.
- Previously worked for FDOT District 7 Traffic Design Office which provided him unique understanding of a project Owner’s objectives and processes.
Aida Curtis, RLA  *(Curtis + Rogers Design Studio)*  —  
Landscape Architecture

- 29 years of experience on a variety of project types including park and urban design and corporate/commercial design.
- Extensive experience designing transportation streetscapes and Complete Streets elements for South Florida municipal and FDOT projects.
- Specializes in seeking consensus on complex multidisciplinary projects.
Fernando Fernandez, PLS
(Premiere Design Solutions) — Survey Lead

- 15 years of field data collection and surveying experience.
- Familiar with process to develop surveys and as-built drawings in Broward County in topographic surveys.
- Currently finalizing topographic surveys and SUE for Broward County Transit.
Complete Streets Experience

- US 41 Roundabouts PD&E Study, Sarasota County – FDOT District 1
  - Complete Streets project
    - Improved bus, bicycle, and pedestrian usage on a designated Florida Scenic Highway in Sarasota County.
    - Several Complete Streets guidelines, similar to those required for the Wiles Road project, were used.
  - Project was named winner of the 2014 FICE/FDOT Outstanding Project of the Year for Special Projects (Complete Streets).
Complete Streets Experience

• 15th St E/301 E PD&E Study, Bradenton – FDOT District 1
  • Complete Streets project
    • Included addition of bicycle lanes, sidewalks, pedestrian crossings, street lighting, and transit improvements.
    • Significant environmental considerations included potential impacts to the nearby historic district and historic cemetery (requiring Section 106 and Section 4(f) evaluations.
    • Assisted with Public Involvement program including production of bilingual materials and translators at all public meetings.
Complete Streets Experience

• SR 907 (Alton Road) Reconstruction, 43rd St to East of Allison Rd, Miami-Dade County – FDOT District 6
  • Designed improvements to sidewalks, curb ramps, and pedestrian signals to comply with ADA requirements.
  • Landscaping and irrigation plans for the roadway median provided as part of the Complete Streets aesthetics initiative.
  • Drainage system specifically designed to address rising sea levels – first time used.
Project Scope – Key Issues

• Scope for Wiles Road
  • Widen/reconstruct to a 6-lane divided highway
  • Designated bike lanes
  • Drainage
  • Roadway lighting
  • Signalization
  • Landscaping and irrigation

• Key Issues
  • Implement Complete Streets
  • Stakeholder and community acceptance
  • Coordination with FDOT and other adjacent projects
  • Maintenance of Traffic
  • Minimizing / avoiding right of way acquisition
Complete Streets Approach

• Context Sensitive Solutions
  • Understand character of the community
  • Community expectations and experience
  • Public Involvement - outreach

• Evaluate all modes of transportation
  • Vehicular
  • Pedestrian
  • Bicycles
  • Transit

• Improve the environment and public health
  • Landscaping
  • Promotes walking and biking
Complete Streets Approach

• Safety
  • Minimize pedestrian crossing distance
  • Pedestrian refuge in median
  • Separate curb ramps for pedestrian movements
  • Sight distance

• Traffic Calming
  • Narrow travel lane widths
  • Buffered bicycle lanes
Why Lochner?

• We possess extensive Complete Streets project experience for FDOT.

• Our Project Manager, Manuel Sauleda, PE, has almost 30 years of experience managing the design of South Florida roadway projects including Complete Streets design elements.

• Our team brings the expertise, quality, innovation, and responsiveness to make the Wiles Road project a success!