

## EXHIBIT “A” SCOPE OF SERVICES

### Supplemental Agreement No. 6 FPID No. 250548-8-32-01 Contract No. EGL20

#### 1.0 BACKGROUND:

The Consultant was retained by the Department to provide Design Services for SR A1A / South Roosevelt Boulevard from Bertha Street to End of Smathers Beach.

#### 2.0 PURPOSE:

The purpose of this Supplemental Agreement is to provide additional services for the design of a Pump Station for the FDOT design project FPID No. 250548-8-32-01. This Supplemental Agreement includes delivery of Phase III (90%) and Phase IV (100%) plans submittals. A pre-Phase III Submittal will be conducted for Construction to review and provide comments, and the Consultant will be provided the opportunity to invoice to 60% of this Supplemental Agreement.

#### 3.0 SCOPE:

The additional Scope of Work has been identified as the following:

##### Task 3: Project General Tasks

- Public Involvement
  - Notifications
  - Preparing mailing lists
  - Newsletters
  - PowerPoint presentation
    - Slide development
    - Script development
    - Voiceover
  - Public meeting attendance and follow-up
  - *The Department to prepare and send Mailouts, Advertisements and Press Releases*
- Prepare specifications package
- 12 months of Contract Maintenance and Project Documentation
- Digital delivery for 5 Engineers of Record
- Contract time estimate for the Department’s Construction office’s use/general tasks
- Project Manager Meeting Attendance – Virtually if feasible
  - Roadway analysis meeting – for Design Variations
  - Drainage meeting - Teleconference
  - Progress meetings (1 per month)

- Phase review meetings (90% and 100%)
- Field review

#### **Task 4: Roadway Analysis**

- Horizontal / Vertical profile design efforts associated with the new drainage design (pump station)
  - Horizontal/Vertical Alignment to remain as prepared for SA #5
  - Minor edits to edge of pavement profile and side street / driveway connections
- Update cross sections to reflect any changes associated with the new drainage design (pump station)
- Temporary Traffic Control Plan analysis and evaluation due to new drainage design (pump station)
  - Need to develop new construction phasing
  - Determine critical sheet pile needs
  - *Design of critical sheet piling to be performed during Post Design Services if warranted*
- TTCP design files changes associated with new drainage design
  - New trunk line construction
  - Pump station construction
- 4 additional Design Variations (as per approved Typical Section Package)
- Quantity revisions for work associated to roadway plans due to drainage modifications
- Cost Estimates (construction cost) and other roadway analysis
- Field review for final design
- Technical Meetings
  - Comment Review meetings (90% resubmittal and 100% comment resolution)
  - Other Meetings:
    - City of Key West – design decisions and concurrence
    - FDOT – concurrence from Construction and Maintenance
  - Phase Review Meetings (two)

#### **Task 5: Roadway Plans**

- Key Sheet update
  - Additional drainage sheets associated with pump station and any other new components to plans
- Update Summary of Pay Items
- Update Typical Section Details
- Summary of Quantities sheets
  - Update required due to new drainage design (pump station)
- Plan / Profile sheets
  - Incorporate new drainage design (pump station) and update all the labels
- Special Profile

- Update the driveway profiles of the Condo property
- Cross Sections
  - Update seawall, adjust cross slope (if applicable, due to new drainage design (Pump Station), any other minor updates
- Update TTCP sheets as per new drainage design (pump station)
- Update Utility Adjustment sheets
  - Labels for HAWK test holes
  - Call out any adjustments / relocations required for new drainage design (pump station)
- Project Control sheets – to be prepared by EOR
- Utility Verification sheets (SUE data)
  - Summarize test hole data for HAWK and new drainage design (pump station) into UTV sheets

### **Task 6a: Drainage Analysis**

- Drainage Map Hydrology
  - Modify previous maps
- Design of Storm Drains
  - 55 structures – as per Ribbeck’s concept plan
  - Move trunk line as needed to avoid utilities if possible
- Optional culvert material
- Drainage wells
  - 6 new injection wells as per Ribbeck’s concept plan
- Modify previous Drainage Design Documentation Report as per new drainage design (pump station)
- Temporary Drainage Analysis as per new drainage design (pump station)
  - 2 phases for traffic control
- Cost Estimate
  - Provide Roadway with cost elements associated with new drainage design (pump station)
- Technical Special Provisions
  - Assuming 2 for pump pollution control and any pump station elements
- Other Drainage analysis associated with new drainage design (pump station)
  - Please refer to Task 6a.20 for full list of elements to be analyzed
- Field Review
- Meetings
  - Agency meeting for permitting
  - Meeting with the City of Key West
  - Meetings with FDOT Drainage (3)
    - Coordination, etc.

### **Task 6b: Drainage Plans**

- Drainage Map modifications

- Summary of Drainage Structures
  - 55 new structures
- Optional Culvert material
- Drainage Structure sheets - new drainage design (pump station)
  - 50 inlets
  - 6 wells
  - 5 pump station structures
- Misc. Drainage Detail sheets
  - Please refer to Task 6b.6 for full list of details
  
- Modify previous Erosion Control Plans - new drainage design (pump station)
- SWPPP sheets
  - Details and notes associated with ECP

#### **Task 7: Utilities**

- Review Utility markups and Work Schedules
- Process schedules and agreements
- Utility Coordination / follow up
  - Coordination with utilities impacted by new drainage design (pump station)
- Contract plans to UAO(s)
- Field meeting
- Design meetings
  - ATT
  - Florida Keys

#### **Task 8: Environmental Permits**

- Preliminary Project Research
  - General file and project history review for background
- Modify existing FDEP Class IV well permit
  - Assuming no ERP modification required
  - Assuming no other permits required
- Revise permit forms

#### **Task 18: Miscellaneous Structures**

- HAWK
  - Special foundation design
  - Mast arms
- Mast arm Special Details plan sheets
  - Special foundation details for elevated cabinet
- Other Structures for Pump Station:
  - Trash rack structure

- Pump station structure with wetwell
- Overflow Control structure
- Control panel access ramp

**Task 19: Signing and Pavement Marking Analysis**

- Complete SPM for Phase III and Phase IV submittals
- Revise quantities
- Phase review meetings
  - 90% and 100%

**Task 20: Signing and Pavement Marking Plans**

- Revise key sheet to new requirements
- Revise tabulation of quantities
  - Per relocation of crosswalk and HAWKs due to new drainage design (pump station)
- Revise general notes per new ERC notes
- Revise plan sheets

**Task 21: Signalization Analysis**

- Traffic Data Collection
  - Crash reports
  - Gather existing counts
- Traffic Data analysis
- Design efforts for HAWKs at 3 locations
- Pedestrian Crosswalk overhead sign
- Pole elevation analysis
  - As per current, approved profile
- Quantities
- Field Review
- Meetings
  - FDOT Traffic Ops
  - Keys energy
    - Service point coordination
  - City of Key West
  - Phase Review
    - 90% and 100%

**Task 22: Signalization Plans – New Item**

- Key Sheet
- Tabulation of Quantities
- General Notes
- HAWK Signal plan sheets
- Guide Sign worksheet
- Special details

- Service point sheet
- Mast Arm tabulation sheets
- Utility Conflict sheets
  - Soft dig information

#### **Task 31: Architecture Development – New Item**

- Electrical plans for Pump Station
- Electrical Site plan
- Power plans
- Power distribution riser diagrams
- Stand by generator
- Data plans
- Misc. Details
- Cost Estimate
  - 90% and 100%
- Technical Special Provisions for Electrical Specs
- Field Review
- Meetings
  - Utility Company
  - Phase Review
    - 90% and 100%

#### **4.0 CONSULTANT RESPONSIBILITIES:**

The Consultant's responsibilities remain the same as in the Original Agreement and any Supplemental Amendments to date shall remain the same.

#### **5.0 DEPARTMENT RESPONSIBILITIES:**

The Department's responsibilities remain the same as in the Original Agreement and any Supplemental Amendments to date shall remain the same.