ATTACHMENT A

SCOPE OF SERVICES

1. OVERVIEW

1.1. The Department of Environmental Protection (Client) has selected WilsonMiller, Inc. to provide design and permitting services for the Project on the Isles of Capri which consists of the installation of one pipe (Structure #1), two box culverts (Structure #3 and 4), one small bridge, conspan or box culvert (Structure #2), and construction of a public access boardwalk, pavilion/parking area, canoe launch and interpretive kiosk.

1.2. Permits or approvals from the South Florida Water Management District (SFWMD), U.S. Army Corps of Engineers (Corps), Department of Environmental Protection (DEP), the U. S. Coast Guard (USCG) and Collier County will be necessary to achieve this objective.

1.3. WilsonMiller, Inc. has been selected to render Civil and Structural Engineering, Planning, Landscape Architecture, Environmental, Survey, Geotechnical, and Transportation services for the Project.

1.4. WilsonMiller will coordinate with representatives of the Client. Subconsultants for technical support, as may be needed, will contract with WilsonMiller.

2. SCOPE OF SERVICES

2.1. Data Collection/Analysis

2.1.1. Surveying Services

1° • Provide topographic surveys at four locations: A) one pipe and two proposed culvert locations (500 ft. each side of the proposed culvert centerline); B) one proposed bridge location, (600 ft. each side of the proposed bridge centerline); C) at the intersection of SR 951 and CR 952 within the existing R.O.W. lines, West on CR 952 for approximately 700'; and D) for an area approximately 200'x200' for a proposed elevated platform. (Location of platform to be determined by DEP.) *Note: for A and B above, the typical topo survey width will be 200' at the structure site and to the existing R.O.W. line along the project area.*

1° • Locate physical and apparent features such as signs, existing above ground utilities, pavement edges etc. at survey locations.

1° • Install and set tidal staff gauges at four locations.

1° • Provide benchmark's as appropriate throughout project and at four (4) tidal staff locations.

1° but later • Wetland Jurisdiction Line Survey - locate and plot existing wetland lines

1° • Provide existing, current black and white aerial photography at 1" = 200' scale.

later • Based on bathymetric information provided by Rookery Bay, prepare a bathymetric exhibit.

Note: Vertical datum will be referenced to NGVD29 and Horizontal data to Florida State Plane Coordinate's (East Zone)

2.1.2. Geotechnical Services - Provide borings for the pipe culvert, box culvert, bridge, board walk, observation tower, and pavilion slab for foundation designs.

later • Provide core samples: two (2) at bridge location, one (1) at each culvert/pipe location, two (2) every 1,000 ft. along proposed boardwalk alignment, four at elevated platform, and two (2) at pavilion. *Note: depths assumed to be 50 ft. for bridge, 20 ft. for culverts, 15 ft. for pipe, 15 ft. for platform and 5 ft. for pavilion/parking area.*

Note: Services include one day of muck probing; utilizing a hand auger for core samples along upland portion of boardwalk/trail alignment; utilizing boat access for core samples for elevated platform and open water areas; utilizing a truck rig for core samples for bridge and culvert locations.

2.1.3. Hydrology

later • Install four continuous reading tidal gauges - two on either side of the proposed bridge location and two at either side of culvert #3.

later • Log the tidal data for up to 30 days.

later • Utilize the tidal data and other appropriate information, and determine the bridge and culvert sizes.

2.1.4. Wetland Jurisdictional Determinations

later • Conduct a field investigation to determine and delineate the wetlands under the regulatory jurisdiction of the State of Florida. Coordinate a site visit with the SFWMD staff for field verification and approval of wetland delineation.

later • Conduct a field investigation to determine and delineate the probable extent of jurisdictional wetlands under the regulatory jurisdiction of the US Army Corps of Engineers. Coordinate a site visit with the Corps staff for field verification and approval of wetland delineation. *Note that the current Corps policy is to verify wetland delineations at the time of permit application.*

2.1.5. Protected Species Survey

later • Research existing information regarding potential and reported protected species occurrences in the project area. Following the research, WilsonMiller will conduct a site survey for federally and state listed species in accordance with accepted methodologies of the Florida Fish and Wildlife Conservation Commission and Collier County.

later • Prepare a report of the results of the survey and prepare an exhibit of species observations.

2.1.6. Land Use and Vegetation Mapping/Soils and USGS Maps

later • Conduct a field investigation to determine the current vegetation and land uses in the project area. Prepare a report and map of the existing land use and vegetation in accordance with the latest Department of Transportation Florida Land Use, Cover and Forms Classification System (FLUCCS).

1° • Prepare soils and USGS exhibits for use in permit application submittals.

2.2. Engineering Design

- need hydrology info. to establish length of the structure
- need culvert sizes from Bureau of protected species (min. width/length)

2.2.1. Preliminary Design Alternatives Analysis - prepare an analysis of three alternatives for structure #2: pile supported bridge, conspan bridge and box culvert including a brief report and preliminary cost opinion for each alternative.

Based on the above analysis and selection of preferred alternative by Client, the following services will be provided for the selected alternative:

2.2.2. Roadway Design- Provide a complete set of roadway plans at 60% and final phases of design as per Florida DOT criteria and format. Include key sheet, typical sections, geometric design, cross sections, drainage, special details and maintenance of traffic plans. Provide a complete set of signing and marking plans in Florida DOT format. Plans will conform to criteria established by the Collier County Transportation Services Division.

2.2.3. Structures Design Plans- Provide a complete set of structures plans at 30% and final phases of design for one (1) pipe culvert, two (2) box culverts, a bridge as per Florida DOT criteria and format and one (1) observation platform. Width of the bridge will provide two (2) travel lanes and an eight (8) foot shoulder for pedestrians/bicycles.

end of design process

2.2.4. Opinion of Probable Cost- Prepare quantities, specifications, and opinion of probable construction cost for the PROJECT in accordance with Florida DOT guidelines. Submit quantities, specifications, and opinion of probable construction cost with final plans.

throughout

2.2.5. Utility Coordination- Identify above ground and buried utilities in the vicinity of the construction areas. Meet with utility companies to determine involvement. Coordinate relocation plans with utility companies.

respond to construction issues

2.2.6. Post Design Services - Provide responses to questions, design modifications, or other issues which develop during construction. Perform shop drawing review and approvals from contractor.

throughout

2.2.7. Parking Area 1 Boardwalk Design Plans - Provide a set of construction plans for the boardwalk, parking area, entrance off CR 952, pavilion slab, observation platform, and canoe launch.

2.3. Site Plan Preparation

anytime throughout

2.3.1. Prepare one conceptual site plan and one final site plan for Public Access Parking/Pavilion area.

2.3.2. Provide landscape plan, irrigation plan, and fence detail plan.

2.4. Client Coordination/Public Involvement

2.4.1. Attend and prepare for monthly meetings with Client.

2.4.2. Attend public workshop to present Conceptual Site Plan.

2.4.3. Attend one Pre-construction public workshop. Jon Primavera

2.5. Permitting

2.5.1. Collier County Permits/Approvals

2.5.1.1.Site Development Plan Approval – parking / pavilion → C.C.

2.5.1.2.Right-of-Way Permit → John.

2.5.1.3.Vegetation Removal Permit →

2.5.2. Environmental Resource Permit/Federal Section 10 Dredge and Fill Permit

2.5.2.1.Application Preparation

- Based on the approved site plan, prepare a Joint Environmental Resource Permit (ERP)/U.S. Army Corps of Engineers (Corps) Section 404 Dredge & Fill Permit to be submitted to South Florida Water Management District (SFWMD) and the Corps.
- As part of the ERP application, request approval of the use of Sovereign Submerged Lands.
- As part of the ERP application, request approval of Mangrove Trimming/Alteration as required for the project.
- Prepare information for and attend one (1) joint pre-application meeting with SFWMD and Corps in Fort Myers.
- Prepare environmental portions of the Joint ERP/Corps application including a narrative environmental supplement accompanied by supporting tables and graphics as required.
- Prepare storm water management design to include in ERP application. Application shall include Master Drainage Plan for the site with high and low pavement elevations, storm water collection system catch basin locations, pipe sizes, swale sections, and drainage details for the Project.

2.5.2.2.ERP Application Processing

- Prepare response to one (1) request for additional information (sufficiency responses) from SFWMD regarding the ERP application.
- Prepare materials/exhibits/information for, and attend one (1) meeting with SFWMD in Fort Myers, if needed, to facilitate processing of the ERP application. In addition, provide liaison with SFWMD during their processing of this application.
- Review and, if necessary, edit the draft staff report and ERP issued for the Project by SFWMD. Coordinate with SFWMD as necessary to facilitate any necessary revisions.

2.5.2.3. Corps Individual Permit Application Processing

- Prepare and submit one (1) response to request for additional information from the Corps.
- If necessary, prepare materials/exhibits/information for and attend one (1) meeting with the Corps in Ft. Myers, regarding the Corps Individual Permit application. In addition, provide liaison with the Corps during processing of this application.
- Review and, if necessary, edit the draft permit for the Project as issued by the Corps. Provide support of these changes as required.

2.5.3. U. S. Coast Guard Approval CEM a clearinghouse, reviews?

Prepare and submit necessary information for U. S. Coast Guard Approval of proposed bridge.

2.5.4. NPDES

Prepare and submit a U.S. Environmental Protection Agency (EPA) National Pollution Discharge Elimination System (NPDES) Notice of Intent (NOI) application. The preparation, implementation, and maintenance of a pollution prevention plan are specifically excluded.

2.5.5. DEP Water and Wastewater General Permits for utility relocation.

2.6. Construction Administration

WilsonMiller will provide engineering services during the site improvements construction including, and limited to, the following:

2.6.1. Provide Client with quantity take-offs, technical specifications, and construction drawings for bidding process. Provide interpretation and clarification of reasonable questions from the Construction Manager during bidding process. Review bids received based on Construction Manager's bid summary forms. The Client's Construction Manager shall provide the contract documents for execution by the Client.

2.6.2. Review shop drawings for conformance with the WilsonMiller design concept as called for in WilsonMiller technical specifications. Review payment requests and completed quantities for site improvements designed by WilsonMiller.

2.7. Services During Construction

2.7.1. Contract Administration/Inspection/Testing Services

Provide qualified personnel, laboratory testing, and field equipment to monitor construction operations to conform with contract documents and permits. (Assumes one staff person: 32 hrs/wk for 5 months for the bridge and cospan alternatives, and 32 hrs/wk for 4 months for the box culvert alternative.)

- Set up and maintain project records, logs, daily diary in Collier County format.

- Conduct pre-construction conference and construction progress meetings. Materials sampling and frequency will meet Florida DOT requirements of the Material Guide Schedule (Excludes Class I Nonstructural Concrete testing).
- Coordinate with Client representative, utility companies, and the public throughout the construction duration.
- Check monthly pay estimate submittal from contractor and forward to Client for payment.

2.8. Reimbursable Expenses

Expenses for blueprints, copying services, database searches, color graphics, overnight express delivery service and long distance telephone calls shall be reimbursable to WilsonMiller.

3. GENERAL CONDITIONS AND UNDERSTANDINGS

3.1. The Scope of Services and Fees proposed herein are based on the following design assumptions:

- Locations of the culverts, pipe and bridge are as represented in the documentation provided by DEP in the National Coastal Wetlands Grant Program Application.
- Bridge will be approximately 50 ft. long, 50 ft. wide and pile supported to provide 6 to 8 ft. clearance for boat traffic.
- For the Public Access area, electric power, lighting, and restrooms are not required; parking surface area will be a pervious surface; potable water will be provided; the area will be fenced; canoe launch will not require a dock; Client will provide design for pavilion structure.
- No access from SR 951 to the Public Access area is required.
- The elevated boardwalk will extend from the parking access area all the way to the observation deck and will be supported by timber pilings (approx. 8,500 linear ft.). The upper level of the observation deck will be designed to accommodate approximately 50 people (approx. 25' x 25'). ADA access to the upper level of the elevated observation platform is not required.
- Proposed bridge will be designed to accommodate pedestrian and bike path.
- The northernmost pipe will be barred to prevent passage of wildlife.

3.2. Client will provide minimum culvert size for manatee passage for culverts south of proposed bridge location.

3.3. Client will provide design and location of interpretive/educational information.

3.4. Client will provide the necessary bathymetric and benthic survey data.

3.5. Rezoning for the project is not required.

3.6. Deltona Settlement Agreement approvals will be the responsibility of the Client.

3.7. An Archaeological/Cultural Resource Survey by a qualified professional will not be required.

3.8. Protected Species Management Plans will not be required by the Florida Fish and Wildlife Conservation Commission, the U. S. Fish and Wildlife Service, or Collier County.

3.9. State Sovereign Lands Approval will be a Public Easement.

3.10. Client will pay all application/approval fees required.

3.11. Any necessary personnel overtime will require prior approval by Client.

3.12. Contractor will provide construction stakeout.

3.13. This agreement can be renewed, amended and/or extended by Client.

3.14. The Client may be required to provide other information, plans, calculations and data as identified in Section 2.0, SCOPE OF SERVICES, or as may be requested by WilsonMiller during the course of the Project. Client is expected to furnish WilsonMiller with full information, including any special or extraordinary considerations for the Project or special services needed. Client is also expected to make available any pertinent documentation regarding deeds, easements, right-of-way, etc.

3.15. Due to the various laws and ordinances relating to projects of this nature, legal counsel may be required. This service is specifically excluded from this proposal. It is our understanding that the Client will utilize DEP legal counsel for advice and participation as a professional team member.

4. EXCLUDED SERVICES

The professional services that WilsonMiller will provide under this Proposal/Agreement include, and are limited to, those described above in Section 2.0, SCOPE OF SERVICES. All other services are specifically excluded.

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5. COSTS

The costs for the SCOPE OF SERVICES shall be as follows:

PARA	SERVICE	W/BRIDGE ALTERNATIVE IN 2.2	W/CONSPAN ALTERNATIVE IN 2.2	W/BOX CULVERT ALTERNATIVE IN 2.2
2.1.1	Survey Services*	$ 16,500	16,500	16,500
2.1.2	Geotechnical Services	8,750	8,750	8,750
2.1.3	Hydrology	7,500	7,500	7,500
2.1.4	Wetland Jurisdictional Determinations	6,000	6,000	6,000
2.1.5	Protected Species Survey	8,000	8,000	8,000
2.1.6	Land Use/Vegetation mapping	3,000	3,000	3,000
2.1	Preliminary Design Alternatives Analysis	9,000	9,000	9,000
2.2	Engineering Design	160,000	140,000	120,000
2.3	Site Plan Preparation	10,500	10,500	10,500
2.4	Client Coordination/Public Involvement	8,820	8,820	8,820
2.5.1	Collier Co. Approvals	10,500	10,500	10,000
2.5.2	ERP/Corps Permitting	45,000	45,000	35,000
2.5.3	US Coast Guard Approval	3,000	3,000	0
2.5.4	NPDES	500	500	500
2.5.5	DEP Water/Wastewater	500	500	500
2.6	Construction Administration	4,800	4,800	4,000
2.7	Services During Construction*	63,130	58,630	43,430
2.8	Reimbursables	9,500	9,000	8,500
	Wetland Line Survey - $1.00/foot up to:	**20,000**	**20,000**	20,000
Total		**$395,000**	**$370,000**	**$320,000**

* Does not include Wetland Line Survey