



"A City for All Ages"

CONTRACT AMENDMENT

This amendment by and between the Contractor and the City as defined below shall be effective as of the date this Amendment is fully executed.

Contractor's Full Legal Name:	CAPTEC Engineering, Inc.
Solicitation No./Event ID:	20200109
Solicitation Title/Event Name:	Design Services for the Multi-Modal Plan/Trail – Phase I
Contract Award Date:	10/22/2021
Initial Current Contract Term:	1/2/2021 – 7/1/2021
Current Contract Expiration Date:	12/31/2022
Requested Contract Expiration Date:	9/27/2023 (270 calendar days)
Initial Contract Amount:	\$109,625.00
Current Contract Amended Amount:	\$170,925.00
Requested Financial Change Amount:	\$375,929.80
New Contract Amount:	\$546,854.80
Amendment No.:	4
Amendment Type:	Increase of Commodities

WHEREAS, the Contract is in effect through the Current Contract Term as defined above; and

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties do hereby agree as follows:

1. SCOPE OF PROFESSIONAL SERVICES

PROJECT DESCRIPTION

The City of Port St. Lucie (City) requires Professional Consultant and Design Engineering Services for the Multi-modal Plan/Trail Phase 1, 2 and 3 Improvements as per the attached Conceptual Plan. The proposed multiuse path/trail improvements for an approximate 1.7-mile-long corridor. Please reference City of Port St. Lucie's Wilderness Trail Project for Parcel ID# 4411-701-0014-000-7, site address: 2701 SE Westmoreland Blvd. The requested services that will be provided are as follows:

Phase 1:

Task 1.1A: Surveying Services

The CONSULTANT will coordinate with a Survey Sub-Consultant to provide the following:

- Acquire Topography along the proposed trail at 100-foot intervals and all major grade breaks as depicted on the engineering design plan. All existing above ground improvements will be located with elevations. Include all above ground evidence of underground utilities. Elevations will be measured to an estimated vertical positioning accuracy of 0.10 feet using GPS/RTK methodology.
- Prepare a topographic survey map using AutoCAD.
- The design survey shall be conducted in conformance with and shall reference the North American Datum of 1983 (NAD83), Florida State Plane, East Zone (US ft.) Coordinate System for horizontal datum and the North American Vertical Datum of 1988 (NAVD88) for vertical datum. Survey shall be provided to the City in AutoCAD Civil 3D 2019 or later.
- Coordinate with the Environmental Sub-Consultant to obtain the Wetland high water stakes horizontal and vertical locations.

The CONSULTANT will obtain a Sunshine One Call (SSOC) design ticket for the project (if applicable). All identified utility owners will be notified of the upcoming project and preliminary plans will be sent to them with requests for the owners to identify the location of their respective utilities.

Task 1.1B: Geotechnical Services (Allowance)

The CONSULTANT will coordinate with a Geotechnical Sub-Consultant to provide the following:

- Soil Boring to determine underlying soils types within the limits of the proposed multiuse path/trail and the restroom / pavilion building.

Task 1.1C: Environmental Services

The CONSULTANT will coordinate with an Environmental Sub-Consultant to provide the following deliverables for two (2) site locations:

- **Natural Resources Evaluation (NRE)** - Environmental Sub-Consultant will prepare the NRE (an environmental report) based on data compiled in the Wildlife Assessment Report. The report will satisfy the requirements of Florida Department of Transportation (FDOT). The report will discuss the environmental issues associated with the above-referenced project site. The report may be used to address local, Federal and State environmental permitting issues.
- **Categorical Exclusion (CE) Environmental Memo** - Environmental Sub-Consultant's Biologist will prepare a back-up categorical exclusion (CE) Environmental Memo to address the LAP Review Request Memo prepared by FDOT. This task will require that the biologist have access to the FDOT

Statewide Environmental Project Tracker (SWEPT), Environmental Screening Tool (EST) website, Efficient Transportation Decision Making (ETDM) process and FDOT GIS in order to gather the information necessary to complete the memo. Environmental Consultant will also need a copy of the Minor Project Activities form that FDOT submitted to the State Historic Preservation Office (SHPO). The Biologist will coordinate with the City of Port St. Lucie and FDOT to obtain all the information necessary to complete this task.

- **FDOT Local Agency Program (LAP) Type I CE Checklist*** - Environmental Sub-Consultant will complete a LAP Type I CE checklist related to the NRE Report and will provide the client with a digital copy. The Environmental Consultant will require information from the Engineer, Architect and/or FDOT including but not limited to the Financial Management (FM) number, Federal Aid Project Number, CE number.

**** Note: If the project is determined by FDOT to not satisfy the requirements for a Categorical Exclusion, Environmental Consultant will provide an additional proposal for an Environmental Impact Statement or other documentation, as required by the Federal Agencies.***

- **Ordinary High Water Line (OHW)** - Environmental Sub-Consultant's Biologist will determine the OHW line in each of the on-site wetlands. Each wetland will be marked with three data points in the field and staked. (Survey of these points are not part of this task and will be provided by others.) Environmental Sub-Consultant will field review the OHW lines with staff members of SFWMD.
- **Florida Master File Search and Compliance and Review** - Environmental Sub-Consultant's Biologist will perform a Florida Master File search for information relating to recorded historic or archaeological resources in the area of the project site. Following the search, Sub-Consultant will request the Compliance and Review section of the State Historic Preservation Officer (SHPO) to review the project area. SHPO will send a finding of no further investigation is needed or request that a cultural resource assessment survey be conducted.
- **Cultural Resource Assessment Survey (CRAS)** - Environmental Sub-Consultant may coordinate a CRAS with Florida Archaeological Services (FAS) (Bob Johnson) and the FDEP Professional Archaeologist. The CRAS will meet all Federal Standards. **The CRAS is not part of this contract.** If a CRAS is required, the Client will need to engage FAS or another qualified Archaeologist.

Task 1.2: Phase 1 Design Development Services (100% Plans)

The CONSULTANT will prepare 100% plans that will include the following:

Upon receipt of the topographic survey, the CONSULTANT will incorporate public and key stakeholder input to prepare 100% design development construction plans for a 10' wide concrete multi-modal sidewalk trail along Cambridge Blvd. with culvert crossings, and public art street markings, across Cambridge Drive at 8 cross streets, that will include, but shall not be limited to the following sheets:

- Cover/Key Sheet
- Typical Section
- Multi-use Path/Trail Plan including Signing & Markings (Double Plan View)
- Traffic Control Plan/Crosswalks of Public Art Street markings
- Stormwater Pollution Prevention Plan (SWPPP)
- Details
- General Notes

The CONSULTANT will prepare for and attend a City Staff Project Kick-off meeting.

Upon completion of the 100% Construction Plans, CONTRACTOR shall submit plans to the City of Port St. Lucie Public Works Dept./ Parks Dept. for review and comment. The CONSULTANT shall also submit an Engineer's probable Cost Estimate with the 100% plans. It is assumed that the City staff will provide CONSULTANT with a fourteen (14) calendar days review and comment response.

The CONSULTANT shall send the design development plans (approximately 100%) to all utility owners for verification of their utility locations. Utility owners will also be instructed to finalize the design of any of their utilities needing to be adjusted for the construction of this project.

Task 1.3: Phase 1 Permitting Services (Allowance)

The CONSULTANT will coordinate with The City Public Works/ Parks Department and the SFWMD to set up a pre-application meeting to determine if a South Florida Water Management District (SFWMD) Environmental Resource Permit (ERP) is required. If a permit is not required, the CONSULTANT will request from the SFWMD a letter stating that no permit is required to be filed with the Grant submittals. IF a SFWMD permit is required, CONSULTANT will apply for a SFWMD ERP permit.

Task 1.4A: Phase 1 Bidding Services ('Approved for Construction' Plans)

Any comments received from the 100% Construction Plan submittal will be addressed and incorporated into a Bid plan set. The CONSULTANT shall submit Bid plans, final cost estimate, utility coordination documentation, and any necessary permitting documentation for applicable permits. If necessary, Technical Special Provisions, and Supplemental Specifications shall be prepared by the CONSULTANT to be included in the City standard bid documents and shall be submitted with the Bid Plan Set submittal to the City for review and comment. The additional provisions or specifications shall include all items needed for construction that are not covered in the construction plans, City of PSL Design Standards, FDOT Design Standards, or FDOT Standard Specifications.

The CONSULTANT will attend the pre-bid meeting, answer questions regarding the Construction Plans or technical aspects of bid documents during the bid process. Upon receipt of Contract documents, CONSULTANT will complete an 'Approved for Construction' set of plans to be attached to the contract documents to the Contractor.

Task 1.4B: Phase 1 Post Design Services

The CONSULTANT will attend the pre-construction meeting, answer questions regarding the Construction Plans and attend progress meetings, as needed, and resolve design issues identified in the field during construction.

Phase 2:

Task 2.1: Landscape and Irrigation Services

The CONSULTANT will coordinate with a Landscape Architect Sub-Consultant to provide the following:

- Landscaping along the proposed trail as depicted on the engineering design plan.
- Design – Build Irrigation Notes to accompany the Landscape plan.
- Hardscape schematic design plan to include Park Benches and Trail amenities, a Neighborhood Park Sign, four sided Kiosks, and animal Information Bollards.

Landscape, Irrigation and Hardscape Deliverables

- Three (3) hard copies of Final Landscape and Irrigation Plans (100%) and 'Approved for Construction' Landscape and irrigation Plans.

- Three (3) hard copies of the Final Hardscape and Amenities Plans (100%) and 'Approved for Construction' Hardscape and Amenities Plans.
- One (1) PDF copy of the above listed plans at each submittal.
- Four (4) sets of signed and sealed 'Approved for Construction' Plans.
- One (1) AutoCAD file of the 'Approved for Construction' Plans (Civil 3D 2019 or later).

Task 2.2: Phase 2 Permitting Services (Allowance)

The CONSULTANT will coordinate with the City Parks Dept. and the SFWMD to set up a pre-application meeting to determine if the source of irrigation water will be a well or draw from the lake with a well back-up and if a SFWMD Consumptive Use Permit is required. If a permit is not required, the CONSULTANT will request from the SFWMD a letter stating that no permit is required to be filed with the Grant submittals. IF a SFWMD permit is required, CONSULTANT will apply for a SFWMD CUP permit.

Task 2.3A: Phase 2 Bidding Services ('Approved for Construction' Plans)

Any comments received from the 100% Construction Plan submittal will be addressed and incorporated into a Bid plan set. The CONSULTANT shall submit Bid plans, final cost estimate, utility coordination documentation, and any necessary permitting documentation for applicable permits. If necessary, Technical Special Provisions, and Supplemental Specifications shall be prepared by the CONSULTANT to be included in the City standard bid documents and shall be submitted with the Bid Plan Set submittal to the City for review and comment. The additional provisions or specifications shall include all items needed for construction that are not covered in the construction plans, City of PSL Parks Dept. Design Standards.

The CONSULTANT will attend the pre-bid meeting, answer questions regarding the Construction Plans or technical aspects of bid documents during the bid process. Upon receipt of Contract documents, CONSULTANT will complete an 'Approved for Construction' set of plans to be attached to the contract documents to the Contractor. The Contractor will submit all Building Dept. Permits such as Electrical permits to the City of PSL Building Dept.

Upon completion, the final construction plans shall be submitted to the City of Port St. Lucie for review and comment. Any comments received will be addressed and incorporated into an 'Approved for Construction' plan set. The CONSULTANT shall submit signed & sealed 'Approved for Construction' plans, final cost estimate, utility coordination documentation, and any necessary permitting documentation and any applicable permits.

Task 2.3B: Phase 2 Post Design Services

The CONSULTANT will attend the pre-construction meeting, answer questions regarding the Construction Plans and attend progress meetings, as needed, and resolve design issues identified in the field during construction.

Phase 3:

Task 3.1A: Surveying Services

The CONSULTANT will coordinate with a Survey Sub-Consultant to provide the following:

- Establish horizontal and vertical control.
- Acquire topography along a 40-foot-wide main path (approximately 4,665 LF) as shown below of Conceptual site plan All Phases Wilderness Trail. All existing above ground improvements will be located with elevations. Include all above ground evidence of underground utilities. Elevations will be measured to an estimated vertical positioning accuracy of 0.10 feet using GPS/RTK methodology.

- Acquire topography for littoral shelf – living shoreline.
- Acquire topography and other data for submerged lands for design and permit of a pedestrian bridge.
- Acquire topography and other data of submerged land for bridge design and permits.

Task 3.1B: Environmental Services

The CONSULTANT will coordinate with an Environmental Sub-Consultant to provide the following deliverables:

- **Task 5 Littoral Zone/ Bioswale Planting Plans** - Environmental Sub-Consultant's Biologist will develop a littoral shelf, transition zone planting plan, and bio-swales for the above-referenced project which meets the requirements of the City of Port St. Lucie and SFWMD. Comments made by these permitting agencies will be incorporated into the plan after the client's approval. The planting plan will include, but is not limited to; Plan View, Cross Sections and Detail Sheets if required.

Task 3.2: Phase 3 Design Development Services (100% Plans)

The CONSULTANT will prepare 100% plans that will include the following:

Upon receipt of the topographic survey, the CONSULTANT will prepare 100% design development construction plans for a 10' wide concrete multi-modal sidewalk trail with culvert crossings, a boardwalk, on-street parking, littoral shelves, bioswales, and a Restroom facility with attached Pavilion that will include but shall not be limited to the following sheets.

- Cover/Key Sheet
- Typical Section
- On-Street Parking Plan
- Multi-use Path/Trail Plan including Signing & Markings (Double Plan View)
- Boardwalk Plans
- Bioswale and Littoral Shelves Plan
- Stormwater Pollution Prevention Plan (SWPPP)
- Details
- General Notes
- Architectural Plans for Restrooms/ Pavilion as noted in Task 3.4

Upon completion of the 100% Construction Plans, CONSULTANT shall submit plans to the City of Port St. Lucie Public Works, and Parks Departments for review and comment. The CONSULTANT shall also submit an engineer's probable cost estimate with the 100% plans. It is assumed the City staff will provide comments for review within 30 days. The Contractor will submit permits to the City Building Dept. for all Building and Electrical project components.

The CONSULTANT shall send the design development plans (approximately 100%) to all utility owners for verification of their utility locations. Utility owners will also be instructed to finalize the design of any of their utilities needing to be adjusted for the construction of this project.

Task 3.3: Phase 3 Permitting Services (Allowance)

The CONSULTANT will coordinate with the City Public Works and Parks Departments and the SFWMD to set up a pre-application meeting to determine if a South Florida Water Management District (SFWMD) Environmental Resource Permit is required. If a permit is not required, the CONSULTANT will request from the SFWMD a letter stating that no permit is required to be filed with the Grant submittals. IF a SFWMD permit is required, CONSULTANT will apply for a SFWMD ERP permit.

CONSULTANT will permit the Water and Sewer extensions to the existing site lift station required for the restrooms through the Port St. Lucie Utility Department.

Task 3.4: Phase 3 Restroom and Pavilion Architectural Plans

The CONSULTANT will coordinate with Architect Sub-Consultant to provide the following deliverables for the Restroom and Pavilion Architectural Plans:

Part I Site Coordination:

- Coordinate Site Design + Building Design
- Coordinate existing utilities with Building Design

Part II Schematic Design:

- Coordinate site information provided by CONSULTANT.
- Programming of Project
- Code Review + Analysis
- Provide Overall Floor Plans + Exterior Elevations per Program for review
- (2) Meeting(s) with Client to review Schematic Design Set
- Client Revisions to Schematic Design Set
- Issue Electronic Final Schematic Design Set for review and approval by the Client

Part III Design Development:

- Architectural Design:
- Refined Floor Plans, Roof Plan, Refined Exterior Elevations, Preliminary Door, Window, + Finish Schedule
- Structural Design: Building Sections + Preliminary Design of Construction Type for shell structure
- Mechanical Design: Preliminary Mechanical with unit locations
- Electrical Design: Preliminary Power + Lighting layout, Preliminary Lighting Schedule
- Plumbing Design: Preliminary Plumbing Sanitary Layout + Preliminary Plumbing Schedule
- General specifications on drawings
- DPBR Submittal Drawings for Health Department
- Issue electronic Final Design Development drawings for review + approval by the Client

Part IV Construction Documents:

- Verify all applicable codes are met
- Architectural design:
Architectural General Notes, Provide Product Approval for exterior doors, windows, + materials, Floor plans, Roof Plan, Door, Window, + Finish Schedules, Door + Window sections + elevations, Final Exterior Elevations with Code information + details, Typical Exterior Wall Sections, Building/Cross Sections, + other Misc. Details required by Code
- Structural design:
Foundation + Framing General Notes, Foundation Plan, Footing, Beam, + Column Details, Wind Load Analysis for openings + roofing, Beam + Column Schedule, Framing Plan, Framing details, Connector Schedule, Truss Shop Drawing review, + other Misc. Details required by Code
- Mechanical design, if applicable:
HVAC General Notes, HVAC layout, Schedules, Details, + Energy Reports
- Electrical design:
Electrical General Notes, Lighting layout, Power layout, Lighting Schedule, Electrical Load Calculations, + Electrical Power Riser Diagram
- Plumbing design:
Plumbing General Notes, Plumbing layout for Sanitary Sewer, Riser for Sanitary Sewer, Riser for Water, and the utility lines, Plumbing Fixture Schedule, + other misc. details

- required by code
- Fire Sprinkler + Fire Alarm design, if applicable.
Parameters and location of connection, Coordinate with Fire sprinkler Contractor for final drawings
- (2) meeting(s) to Review Construction Document Set with Client(s)
- Client(s) Revisions to Construction Document Set
- Issue Final Construction Document Set for Review + Approval by the Client(s)

Part V Permitting Process:

- The Architectural Sub-Consultant will complete revisions to Construction Documents per City comments, if necessary.
- The City's selected Building Contractor will submit all Building and Electrical permits to the City of PSL Building Dept. for permitting.

Task 3.5A: Phase 3 Bidding Services ('Approved for Construction' Plans)

Any comments received from the 100% Construction Plan submittal will be addressed and incorporated into a Bid plan set. The CONSULTANT shall submit Bid plans, final cost estimate, utility coordination documentation, and any necessary permitting documentation for applicable permits. If necessary, Technical Special Provisions, and Supplemental Specifications shall be prepared by the CONSULTANT to be included in the City standard bid documents and shall be submitted with the Bid Plan Set submittal to the City for review and comment. The additional provisions or specifications shall include all items needed for construction that are not covered in the construction plans, City of PSL Design Standards, FDOT Design Standards, or FDOT Standard Specifications.

The CONSULTANT will attend the pre-bid meeting, answer questions regarding the Construction Plans or technical aspects of bid documents during the bid process. Upon receipt of Contract documents, CONSULTANT will complete an 'Approved for Construction' set of plans to be attached to the contract documents to the Contractor.

Task 3.5B: Phase 3 Post Design Services

The CONSULTANT will attend the pre-construction meeting, answer questions regarding the Construction Plans and attend progress meetings, as needed, and resolve design issues identified in the field during construction.

Task 4: Additional Services

CONSULTANT would be pleased to provide any additional services requested by CLIENT in accordance with the enclosed Fee Schedule. Additional services will not be performed unless CLIENT specifically requested by CLIENT, and an addendum to this agreement is executed.

Deliverables

In addition to the deliverables to applicable permitting agencies, the Engineer shall supply the City the following in the 3 Phases of the Wilderness Trail Project:

- Three (3) hard copies Final Plans (100%) and 'Approved for Construction' Plans.
- One (1) PDF copy Final and 'Approved for Construction' Plans (at each submittal).
- Four (4) sets of signed and sealed 'Approved for Construction' Plans.
- One (1) AutoCAD file of the 'Approved for Construction' Plans (Civil 3D 2019 or later).
- One (1) copy of permit application submittals.

Items not included within the above Scope are:

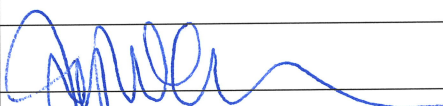
- A. **CRAS** – Historical / Archaeological Site Survey. The Client may want to budget an additional \$5,000 - \$10,000 for this item.
- B. **WESTMORELAND BLVD. CROSSWALK DESIGN SERVICES.** The Client may want to budget an additional \$10,000 for this item.

Total Additional Cost: \$375,929.80 & 270 Calendar Days

- 2. **SUCCESSORS AND ASSIGNS.** This Amendment shall be binding upon and inure to the benefit of the successors and permitted assigns of the parties hereto.
- 3. **ENTIRE AGREEMENT.** Except as expressly modified by this Amendment, the contract shall be and remain in full force and effect in accordance with its terms and shall constitute the legal, valid, binding and enforceable obligations to the parties. This Amendment and the contract (including any written amendments thereto), collectively, are the complete agreement of the parties and supersede any prior agreements or representations, whether oral or written, with respect thereto.

IN WITNESS WHEREOF, the parties have caused this Amendment to be duly executed by their authorized representatives.

CONTRACTOR

Contractor's Full Legal Name: (PLEASE TYPE OR PRINT)	CAPTEC Engineering, Inc.
Authorized Signature:	
Printed Name and Title of Person Signing:	Joseph W. Capra, PE, President
Date:	May 22, 2023
Company Address:	301 NW Flagler Avenue, Stuart, FL 34994

THE CITY OF PORT ST. LUCIE

Authorized Signature:	
Printed Name and Title of Person Signing:	Caroline Sturgis, Director, Office of Management & Budget, and Procurement
Date:	
City Address:	121 S.W. Port St. Lucie Blvd., Port St. Lucie, FL 34984