

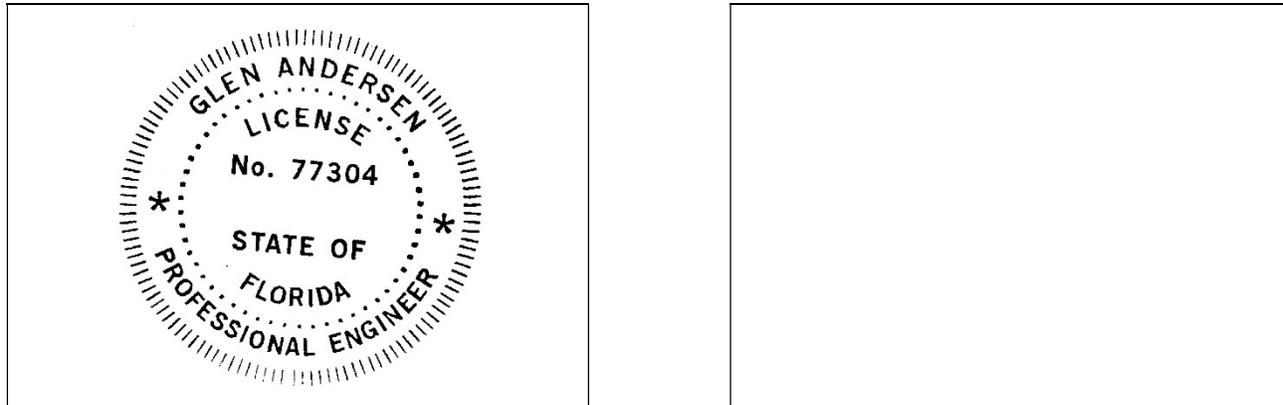
SECTION 01 20 00

PRICE AND PAYMENT PROCEDURES

APPROVAL STATUS							
PREPARED BY:	GRA	DATE	21APR2022	CHECKED BY:	GRA	DATE	21APR2022
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REVISION STATUS							
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0	Bidding	GRA				21APR2022	
0A	Bidding	GRA	DWB			26APR2022	

Engineer's Seal

Digital Signature



GLEN ANDERSEN P.E., STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 77304  
 THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY GLEN ANDERSEN ON 21 APRIL 2022, USING A DIGITAL SIGNATURE ISSUED BY IDENTRUST.  
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## SECTION 01 20 00

## PRICE AND PAYMENT PROCEDURES

**PART 1 GENERAL****1.1 REFERENCES**

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

**1.2 SUBMITTALS**

Owner approval is required for the following submittals:

SD-01 Preconstruction Submittals

Schedule of Prices Earned Value Report

SD-03 Product Data

Weight Certificates

**1.3 SCHEDULE OF VALUES****1.3.1 Data Required**

This Contract recommends the use of a cost-loaded Network Analysis Schedule (NAS). Schedule of Prices must not be used with cost-loaded Network Analysis Schedule (NAS). Use Earned Value Report derived from cost-loaded NAS. Within 15 calendar days of notice of award, prepare and deliver to the Owner's Representative a Schedule of Prices (construction Contract) as directed by the Owner's Representative. Schedule of Prices must have cost summarized and totals provided for each construction category. Provide a detailed breakdown of the Contract price, giving quantities for each of the various kinds of work, unit prices and extended prices. Contractor overhead and profit including salaries for field office personnel, if applicable, must be proportionately spread over all pay items and not included as individual pay items.

**1.3.2 Payment Schedule Instructions**

Payments will not be made until the Schedule of Values from the cost-loaded NAS has been submitted to and accepted by the Owner. For design phase progress payment(s), the Schedule of Prices or Earned Value Report from the Cost Loaded CPM must include detailed design activities and general (summarized) approach for the construction phase(s) of the project. The Schedule of Prices or Earned Value Report must be fully developed with detailed construction line items as design progresses. The complete design and construction Schedule of Prices or Earned Value Report must be submitted and accepted prior to starting construction work.

#### **1.4 CONTRACT COST BREAKDOWN**

The Contractor must furnish within 30 days after the date of Notice to Proceed, and prior to the submission of its first partial payment estimate, a breakdown of its single job pay item or items which will be reviewed by the Owner's Representative as to propriety of distribution of the total cost to the various accounts. Any unbalanced items as between early and late payment items or other discrepancies will be revised by the Owner's Representative to agree with a reasonable cost of the work included in the various items. This Contract cost breakdown will then be utilized as the basis for progress payments to the Contractor. The cost breakdown shall be based on the bid form provided in the bid documents.

#### **1.5 CONTRACTOR'S INVOICE AND CONTRACT PERFORMANCE STATEMENT**

##### **1.5.1 Content of Invoice**

Requests for payment will be processed in accordance with the Contract Documents. Invoices not completed in accordance with contract requirements will be returned to the Contractor for correction of the deficiencies. The requests for payment shall include the documents listed below.

- a. Updated overall baseline schedule
- b. Proof of updated red line drawings
- c. Copies of material invoices
- d. Other supporting documents as requested.

##### **1.5.2 Submission of Invoices**

Monthly invoices and supporting forms for work performed through the anniversary award date of the Contract must be submitted to the Owner's Representative within 5 calendar days of the date of invoice. For example, if Contract award date is the 7th of the month, the date of each monthly invoice must be the 7th and the invoice must be submitted by the 12th of the month.

##### **1.5.3 Final Invoice**

- a. A final invoice must be accompanied by the certification of Completion. If the Contractor is incorporated, the Final Release must contain the corporate seal. An officer of the corporation must sign and the corporate secretary must certify the Final Release.
- b. Final invoices not accompanied by the Contractor's Final Release and required certification of Transportation of Supplies by Sea will be considered incomplete and will be returned to the Contractor.

#### **1.6 PAYMENTS TO THE CONTRACTOR**

Payments will be made on submission of itemized requests by the Contractor which comply with the requirements of this section and will be subject to reduction for overpayments or increase for underpayments made on previous payments to the Contractor.

### 1.6.1 Obligation of Owner Payments

The obligation of the Owner to make payments required under the provisions of this Contract will, at the discretion of the Owner's Representative, be subject to reductions and suspensions permitted under the County regulations including the following in accordance with the Contract Documents:

- a. Reasonable deductions due to defects in material or workmanship.
- b. Claims which the Owner may have against the Contractor under or in connection with this Contract.
- c. Unless otherwise adjusted, repayment to the Owner upon demand for overpayments made to the Contractor; and
- d. Failure to maintain accurate "as-built" or record drawings.

### 1.6.2 Payment for Onsite and Offsite Materials

Progress payments may be made to the Contractor for materials delivered on the site, for materials stored off construction sites, or materials that are in transit to the construction sites under the following conditions:

- a. Payments Under Fixed Price Construction Contracts.
- b. Materials delivered on the site but not installed, including completed preparatory work, and off-site materials to be considered for progress payment must be major high cost, long lead, special order, or specialty items, not susceptible to deterioration or physical damage in storage or in transit to the construction site. Examples of materials acceptable for payment consideration include, but are not limited to, structural steel, non-magnetic steel, non-magnetic aggregate, equipment, machinery, large pipe and fittings, precast/prestressed concrete products, plastic lumber (e.g., fender piles/curbs), and high-voltage electrical cable. Materials not acceptable for payment include consumable materials such as nails, fasteners, conduits, gypsum board, glass, insulation, and wall coverings.
- c. Materials to be considered for progress payment prior to installation must be specifically and separately identified in the Contractor's estimates of work submitted for the Owner's Representative's approval in accordance with Schedule of Prices and Earned Value Report requirement of this Contract. Requests for progress payment consideration for such items must be supported by documents establishing their value.
- d. Materials are adequately insured and protected from theft and exposure.
- e. Provide a written consent from the surety company with each payment request for offsite materials.
- f. Materials to be considered for progress payments prior to installation must be stored onsite. Other locations are subject to written approval by the Owner's Representative.

- g. Materials in transit to the job site or storage site are not acceptable for payment.

## 1.7 SINGLE JOB PAYMENT ITEMS

Payment items for the work of this Contract for which Contract job payments will be made are listed in the COST PROPOSAL FORM and described below. All costs for items of work, which are not specifically mentioned to be included in a particular job or unit price payment item, are included in the listed job item most closely associated with the work involved. The job price and payment made for each item listed constitutes full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for which separate payment is not otherwise provided.

The approved Schedule of Values will form the basis for monthly pay requests. No additional payments will be made for work performed beyond the limits defined in the construction drawings.

### 1.7.1 Mobilization

#### 1.7.1.1 Description

The scope of this pay item is for the mobilization of equipment, materials, manpower and associated appurtenances including, but not limited to, the items listed below:

- 101 Pre-Mobilization Activities (Construction Submittals....)
- 102 Utility Locates
- 103 Laydown and Setup
- 104 Office Set-Up, Maintenance and Operation
- 105 Erosion and Sediment Control Best Management Practices
- 106 Temporary Downstream Access Road
- 107 Temporary Boat/Barge Dock
- 108 General Conditions
- 109 Permits, Bonding, etc.

#### 1.7.1.2 Payment

Partial payments will be made at 25% of the bid price per month for the first four months.

### 1.7.2 Construction Access Road

#### 1.7.2.1 Description

The scope of this pay item is to install the downstream construction access road to provide for heavy equipment access across the river channel as described in the contract documents including but not limited to the items listed below:

- 201 Cut for Regrading
- 202 Furnish & Install Grading Material

### 1.7.3 Void Filling

#### 1.7.3.1 Description

The scope of this pay item is to perform the void filling as described in the contract documents including for the Apron and Stilling Basin areas, but not limited to, the items listed below:

#### Apron Area

- 301 Furnish & Install Pressure Relief Wells
- 302 Core Slab, Fill Voids, and Repair Core Holes

#### Stilling Basin

- 303 Furnish & Install Vertical Pressure Relief Wells
- 304 Furnish & Install Inclined Pressure Relief Wells
- 305 Core Slab, Fill Voids, and Repair Cores

### 1.7.4 Apron Area Repairs

#### 1.7.4.1 Description

The scope of this pay item is to perform repairs to the downstream apron as described in the contract documents including, but not limited to, the items listed below:

- 401 Full Depth Demo of Trench and Grade Preparation for Cutoff Wall Installation
- 402 Partial Depth Demo and Preparation for Overlay Slab Key Trenches
- 403 Preparation of Apron Area for Concrete Overlay
- 404 Furnish & Install Soil Mix Cutoff Wall
- 405 Furnish & Install 8 ft Diameter Jet Grout Cells Along Cutoff Wall
- 406 Furnish & Install 4 ft Diameter Jet Grout Tie-ins for Cutoff Wall
- 407 Furnish & Install Reinforced Concrete Trench Slab Across Apron to Engage Cutoff Wall
- 408 Furnish & Install Reinforced Concrete Topping Slab Over Existing Apron
- 409 Furnish & Install Reinforced Concrete Access Steps

### 1.7.5 North Training Wall

#### 1.7.5.1 Description

The scope of this pay item is to install the seepage cutoff wall behind the North Training Wall as described in the contract documents including, but not limited to, the items listed below:

- 501 RipRap Removal and Excavation at Training Wall to Wing Wall Interface
- 502 Furnish & Install Engineered Fill in Cut at Training Wall to Wing Wall Interface
- 503 Furnish & Install Steel Sheet Piling Along Toe Drain Piping and Adjacent to Stoplog Storage Pad
- 504 Cut Work Volume As-Needed for Cutoff Wall Installation Equipment
- 505 Transport & Place Fill Volume As-Needed for Cutoff Wall Installation Equipment
- 506 Furnish & Install 3 ft Diameter Soil Mix Cutoff Wall
- 507 Furnish & Install 4 ft Diameter Jet Grout Cells
- 508 Furnish & Install 8 ft Diameter Jet Grout Tie-in Cells
- 509 Furnish & Install 4 ft Diameter Jet Grout Slab Support Columns on 10 ft Centers to Training wall Footings
- 510 Surplus Allotment of Soil Mix Grout Migrating into Remaining Voids Under Training Wall
- 511 Cut Work As-Needed for Final Grade

- 512 Transport & Place Fill Work Volume As-Needed for Final Grade
- 513 Furnish & Install Continuous Reinforced Concrete Slab Between Training Wall and Cutoff Wall
- 514 Furnish & Install Reinforced Concrete Slab Between End of Training Wall and Toe Drain Sheet Pile Wall
- 515 Furnish & Install Reinforced Concrete Cap Along Sheet Pile Wall at Stoplog Storage Area
- 516 Furnish & Install Guardrail System As-Needed Beyond Training Wall and Sheet Pile Wall at Stoplog Storage Area
- 517 Install New Electrical Conduit and Wiring
- 518 Replace RipRap As-Needed adjacent to wing wall
- 519 Seeding/Sodding behind North Training Wall, assume 90% seed and 10% sod

#### 1.7.6 South Training Wall

##### 1.7.6.1 Description

The scope of this pay item is to install a seepage barrier behind the South Training Wall as described in the contract documents including, but not limited to, the items listed below:

- 601 Sawcut and Partial Removal of Existing Slab on Grade As-Needed for Sheet Pile Installation
- 602 Transport & Place Fill Volume As-Needed for Cutoff Wall Installation Equipment
- 603 Furnish & Install Steel Sheet Piling Along Toe Drain Piping and Adjacent Control Building
- 604 Cut Work Volume As-Needed for Cutoff Wall Installation Equipment
- 605 Transport & Place Fill Volume As-Needed for Cutoff Wall Installation Equipment
- 606 Furnish & Install 3 ft Diameter Soil Mix Cutoff Wall
- 607 Furnish & Install 4 ft Diameter Jet Grout Cells
- 608 Furnish & Install 8 ft Diameter Jet Grout Tie-in Cells
- 609 Furnish & Install 4 ft Diameter Jet Grout Slab Support Columns on 10 ft Centers to Training wall Footings
- 610 Surplus Allotment of Soil Mix Grout Migrating into Remaining Voids Under Training Wall
- 611 Cut Work As-Needed for Final Grade
- 612 Transport & Place Fill As-Needed for Final Grade
- 613 Furnish & Install Continuous Reinforced Concrete Slab Between Training Wall and Cutoff Wall
- 614 Furnish & Install Reinforced Concrete Slab Between End of Training Wall and Toe Drain Sheet Pile Wall
- 615 Furnish & Install Reinforced Concrete Cap Along Sheet Pile Wall at Control Building
- 616 Furnish & Install Guardrail System As-Needed along Sheet Pile Beyond Training Wall
- 617 Furnish & Install Guardrail System Adjacent to Steps Near Crest
- 618 Install New Electrical Conduit and Wiring
- 619 Seeding/Sodding behind South Training Wall, assume 90% seed and 10% sod

#### 1.7.7 Stilling Basin Repairs

##### 1.7.7.1 Description

The scope of this pay item is to perform repairs to the Stilling Basin as described in the contract documents including, but not limited to, the items listed below:

- 701 Remove Existing Plugs from Underdrain and Abandoned Toe Drain Outfalls, Permanently Seal

#### 1.7.8 Mechanical Improvements

##### 1.7.8.1 Description

The scope of this pay item is to install the mechanical/electrical improvements to the tainter gates as described in the contract documents including, but not limited to, the items listed below:

- 801 Replace Existing Electrical, Instrumentation, and Mechanical Drive Components with New Equipment

#### 1.7.9 Daily Mandated Freshwater Release

##### 1.7.9.1 Description

The scope of this pay item is to perform the daily mandated freshwater releases as described in the contract documents including, but not limited to, the items listed below:

- 901 Furnish, Inspect, Maintain, and Operate 2700 gpm Intake Water Pump with Intake Line

#### 1.7.9 Mechanical Upgrades

##### 1.7.9.1 Description

The scope of this pay item is to replace the existing electric motors, gear boxes and instrument and controls as described in the contract documents including, but not limited to, the items listed below:

- 901 Replace Electric Motors
- 902 Replace Gear Boxes
- 903 Replace Instrumentation and Controls

#### 1.7.10 Demobilization

##### 1.7.10.1 Description

The scope of this pay item is for general site restoration, cleanup, demobilization, and development of close-out documents and associated appurtenances including, but not limited to, the items listed below:

- 1001 Office Removal, Staging/Laydown Area Removal
- 1002 Punchlist Inspection
- 1003 Closeout Manuals / Submittals
- 1004 Red-Line Construction Drawings

#### 1.7.11 Add Alternate Contractor Unit Prices

##### 1.7.11.1 Description

The scope of these pay items are separate from the above listed bid items and will be used to establish standard rates for unforeseen circumstances that may arise during the course of the work and formally approved for implementation through fully executed change orders.

- 1101 Emergency Demobilization
  - a. Demobilization
  - b. Site Monitoring & Standby rate
  - d. Mobilization
- 1102 Replace Fuze Plug in Emergency Spillway after Major Storm Event
- 1103 Turf Reinforcement Mat (Type 3) Furnish & Install with Anchors
- 1104 FDOT Type D4 Filter Fabric (FDOT Std. Spec. 985) Furnish & Install for Slope Stabilization
- 1105 Bank & Shore RipRap (D50 = 18 inches and generally per FDOT Std. Spec. 530-2.1.3.1),  
Furnish & Install

**1.8 UNIT PRICE PAYMENT ITEMS – NOT USED**

**PART 2 PRODUCTS**

Not Used.

**PART 3 EXECUTION**

Not Used.

-- End of Section --