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USACE / NAVFAC / AFCEC / NASA	**UFGS-01 20 00 (November 2020)** **Change 1 - 02/21**
Preparing Activity: NAVFAC	**Superseding** **UFGS-01 20 00.00 20 (November 2011)** **UFGS-01 20 00.05 20 (January 2012)** **UFGS-01 22 00.00 10 (August 2015)**

UNIFIED FACILITIES GUIDE SPECIFICATIONS

References are in agreement with UMRL dated January 2021

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11/20, CHG 1: 02/21

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SECTION 01 20 00

PRICE AND PAYMENT PROCEDURES
11/20, CHG 1: 02/21

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NOTE: For Navy projects, this guide specification covers the requirements for payment instruction paragraphs required for use in all projects.

NOTE: For Army projects, this guide specification provides an example of the appropriate form to be used in developing a project specification covering lump sum schedule payment items and unit price schedule payment items. This section was originally developed for and is recommended to be included in all Civil Works projects. Parts of this section are shown for illustration purposes only and the section must be extensively edited to fit the job.

Adhere to UFC 1-300-02 Unified Facilities Guide Specifications (UFGS) Format Standard when editing this guide specification or preparing new project specification sections. Edit this guide specification for project specific requirements by adding, deleting, or revising text. For bracketed items, choose applicable item(s) or insert appropriate information.

Remove information and requirements not required in respective project, whether or not brackets are present.

Comments, suggestions and recommended changes for this guide specification are welcome and should be submitted as a Criteria Change Request (CCR).
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NOTE: This guide specification includes tailoring for DESIGN-BID-BUILD, DESIGN-BUILD, NAVY DESIGN-BUILD, ARMY and NAVY projects. Where an Editor's Note states a paragraph is tailored for a Service or project type, the content of the

paragraph, or a portion of the paragraph, is suited specifically to be included only for that Service or project type.
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PART 1 GENERAL

1.1 REFERENCES

****
NOTE: This paragraph is used to list the publications cited in the text of the guide specification. The publications are referred to in the text by basic designation only and listed in this paragraph by organization, designation, date, and title.

Use the Reference Wizard's Check Reference feature when you add a Reference Identifier (RID) outside of the Section's Reference Article to automatically place the reference in the Reference Article. Also use the Reference Wizard's Check Reference feature to update the issue dates.

References not used in the text will automatically be deleted from this section of the project specification when you choose to reconcile references in the publish print process.
****

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.

ASTM INTERNATIONAL (ASTM)

ASTM A615/A615M	(2020) Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement

U.S. ARMY CORPS OF ENGINEERS (USACE)

EP 1110-1-8	(2016) Construction Equipment Ownership and Operating Expense Schedule

1.2 SUBMITTALS

****

NOTE: Review Submittal Description (SD) definitions in Section 01 33 00 SUBMITTAL PROCEDURES and edit the following list, and corresponding submittal items in the text, to reflect only the submittals required for the project. The Guide Specification technical editors have classified those items that require Government approval, due to their complexity or criticality, with a "G." Generally, other submittal items can be reviewed by the Contractor's Quality Control System. Only add a "G" to an item

if the submittal is sufficiently important or complex in context of the project.

For Army projects, fill in the empty brackets following the "G" classification, with a code of up to three characters to indicate the approving authority. Codes for Army projects using the Resident Management System (RMS) are: "AE" for Architect-Engineer; "DO" for District Office (Engineering Division or other organization in the District Office); "AO" for Area Office; "RO" for Resident Office; and "PO" for Project Office. Codes following the "G" typically are not used for Navy, Air Force, and NASA projects.

The "S" classification indicates submittals required as proof of compliance for sustainability Guiding Principles Validation or Third Party Certification and as described in Section 01 33 00 SUBMITTAL PROCEDURES.

Choose the first bracketed item for Navy, Air Force, and NASA projects, or choose the second bracketed item for Army projects.
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NOTE: For Navy Design-Build projects, delete 01 33 00 SUBMITTAL PROCEDURES, and replace with UFGS 01 33 00.05 20 CONSTRUCTION SUBMITTAL PROCEDURES and UFGS 01 33 10.05 20 DESIGN SUBMITTAL PROCEDURES.
****

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are [for Contractor Quality Control approval.][for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government.] Submit the following in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

****
NOTE: The following submittal item is tailored for inclusion in Navy projects only. When a cost-loaded Network Analysis Schedule (NAS) is included in the project, the information required by this Section for the Schedule of Prices will be an integral part of the cost-loaded NAS. When a cost-loaded NAS is required retain [Earned Value Report]; otherwise retain [Schedule of Prices]. Edit the remainder of the bracketed options throughout the section consistent with the selected option.
****

****
NOTE: For projects in the NAVFAC PAC Area of Operation, and for the submittals identified as SD-01 Preconstruction Submittals, select the "G"

designation.
****

[Schedule of Prices][Earned Value Report]; G

SD-03 Product Data

****
NOTE: The following submittal item is tailored for inclusion in Army projects only.
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Weight Certificates

1.3 [SCHEDULE OF PRICES][EARNED VALUE REPORT]

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NOTE: This Article is tailored for inclusion in Navy projects only.
****

1.3.1 Data Required

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NOTE: For projects in the NAVFAC PAC Area of Operation, in the fifth sentence use "30" calendar days of "Contract Award".
****

[This Contract requires 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 Contracting Officer a Schedule of Prices (construction Contract) as directed by the Contracting Officer. 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

****
NOTE: This paragraph includes tailoring for NAVY DESIGN-BUILD projects. Include from the second sentence, describing design phase progress payments, through the lead-in sentence to sub-items (a. and b.) for Navy Design-Build projects.
****

Payments will not be made until the [Schedule of Prices][Earned Value Report from the cost-loaded NAS] has been submitted to and accepted by the Contracting Officer. 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.

For Fast-Tracked or Critical Path Submittals of construction projects, the [Schedule of Prices][Earned Value Report] must include detailed design and construction line items for each fast-tracked/ critical path phase(s), submitted to and accepted by the Contracting Officer during the Post Award Kickoff Meetings and confirmed prior to starting construction work in that phase. Additionally, the [Schedule of Prices][Earned Value Report] must be separated as follows:

a. Primary Facilities Cost Breakdown:

   Defined as work on the primary facilities out to the 1.5 m 5 foot line. Work out to the 1.5 m 5 foot line includes construction encompassed within a theoretical line 1.5 m 5 foot from the face of exterior walls and includes attendant construction, such as pad mounted HVAC cooling equipment, cooling towers, and transformers placed beyond the 1.5 m 5 foot line.

b. Supporting Facilities Cost Breakdown:

   Defined as site work, including incidental work, outside the 1.5 m 5 foot line.

[1.3.3 Schedule Requirements for HVAC TAB

****
NOTE: This paragraph is tailored for NAVY projects. Include this paragraph when the Navy project includes testing and balancing of HVAC systems.
****

The field work requirements in Section 23 05 93 TESTING, ADJUSTING, AND BALANCING FOR HVAC must be broken down in the [Schedule of Prices and in the Construction Progress Documentation][Earned Value Report from the cost-loaded NAS] by separate line items which reflect measurable deliverables. The value for each pay item listed below will be established on a case by case basis for each Contract. The line items are as follows:

a. Approval of Design Review Report: The TABS Agency is required to conduct a review of the project plans and specifications to identify any feature, or the lack thereof, that would preclude successful testing and balancing of the project HVAC systems. Submit the resulting findings to the Government to allow correction of the design. The progress payment will not be issued until the report is reviewed and approved.

b. Approval of the pre-field engineering report: The TABS Agency submits a report which outlines the scope of field work. The report must contain details of what systems will be tested, procedures to be used, sample report forms for reporting test results and a quality control checklist of work items that must be completed before TABS field work commences.

c. Season I field work: Incremental payments are issued as the TABS

field work progresses. The TABS Agency mobilizes to the project site and executes the field work as outlined in the pre-field engineering report. The HVAC water and air systems are balanced and operational data must be collected for one seasonal condition (either summer or winter depending on project timing).

d. Approval of Season I report: On completion of the Season I field work, the data is compiled into a report and submitted to the Government. The report is reviewed, and approved, after ensuring compliance with the pre-field engineering report scope of work.

e. Completion of Season I field QA check: Contract QC and Government representatives meet the TABS Agency at the jobsite to retest portions of the systems reported in the Season I report. The purpose of these tests are to validate the accuracy and completeness of the previously submitted Season I report.

f. Approval of Season II report: The TABS Agency completes all Season II field work, which is normally comprised mainly of taking heat transfer temperature readings, in the season opposite of that under which Season I performance data was compiled. Compile this data into a report and submit to the Government. On completion of submittal review to ensure compliance with the pre-field engineering report scope, progress payment is issued. Progress payment is less than that issued for the Season I report since most of the water and air balancing work effort is completed under Season I.

]1.4 CONTRACT COST BREAKDOWN

****
NOTE: This Article is tailored for inclusion in Army projects only.
****

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 Contracting Officer 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 Contracting Officer 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.

1.5 CONTRACT MODIFICATIONS

****
NOTE: This Article is tailored for inclusion in Navy projects only.
****

In conjunction with the Contract Clause DFARS 252.236-7000 Modification Proposals-Price Breakdown, and where actual ownership and operating costs of construction equipment cannot be determined from Contractor accounting records, base equipment use rates upon the applicable provisions of the EP 1110-1-8.

1.6 CONTRACTOR'S INVOICE AND CONTRACT PERFORMANCE STATEMENT

1.6.1 Content of Invoice

****
NOTE: This Article is tailored for inclusion in Navy projects only.
****

Requests for payment will be processed in accordance with the Contract Clause FAR 52.232-27 Prompt Payment for Construction Contracts and FAR 52.232-5 Payments Under Fixed-Price Construction Contracts. 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. The Contractor's invoice, on NAVFAC Form 7300/30 furnished by the Government, showing in summary form, the basis for arriving at the amount of the invoice. Form 7300/30 must include certification by Quality Control (QC) Manager as required by the Contract.

b. The [Estimate for Voucher/ Contract Performance Statement on NAVFAC Form 4330/54 furnished by the Government. Use NAVFAC Form 4330, unless otherwise directed by the Contracting Officer, on NAVFAC Contracts when a Monthly Estimate for Voucher is required.][Earned Value Report from the cost-loaded NAS.]

c. Contractor's Monthly Estimate for Voucher and Contractors Certification (NAVFAC Form 4330) with Subcontractor and supplier payment certification. Other documents, including but not limited to, that need to be received prior to processing payment include the following submittals as required. These items are still required monthly even when a pay voucher is not submitted.

d. Monthly Work-hour report.

e. Updated Construction Progress Schedule and tabular reports required by the contract.

f. Contractor Safety Self Evaluation Checklist.

g. Updated submittal register.

h. Solid Waste Disposal Report.

i. Certified payrolls.

j. Updated testing logs.

k. Other supporting documents as requested.

1.6.2 Submission of Invoices

****
NOTE: The following paragraphs are tailored for DESIGN-BID-BUILD (all Services) and NAVY projects. Include the first paragraph on all DESIGN-BID-BUILD projects. Include the second paragraph on NAVY DESIGN-BID-BUILD projects only.

****

If DFARS Clause 252.232-7006 Wide Area WorkFlow Payment Instructions is included in the Contract, provide the documents listed in above paragraph CONTENT OF INVOICE in their entirety as attachments in Wide Area Work Flow (WAWF) for each invoice submitted. The maximum size of each WAWF attachment is two megabytes, but there are no limits on the number of attachments. If a document cannot be attached in WAWF due to system or size restriction, provide it as instructed by the Contracting Officer.

Monthly invoices and supporting forms for work performed through the anniversary award date of the Contract must be submitted to the Contracting Officer 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.

1.6.3 Final Invoice

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NOTE: The following subparagraphs are tailored for inclusion in DESIGN-BID-BUILD (all Services) projects only.

****

a. A final invoice must be accompanied by the certification required by DFARS 252.247.7023 Transportation of Supplies by Sea, and the Contractor's Final Release. 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. For final invoices being submitted via WAWF, the original Contractor's Final Release Form and required certification of Transportation of Supplies by Sea must be provided directly to the respective Contracting Officer prior to submission of the final invoice. Once receipt of the original Final Release Form and required certification of Transportation of Supplies by Sea has been confirmed by the Contracting Officer, the Contractor must then submit final invoice and attach a copy of the Final Release Form and required certification of Transportation of Supplies by Sea in WAWF.

c. 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.

1.7 PAYMENTS TO THE CONTRACTOR

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NOTE: This Article is tailored for inclusion in Navy projects only.

****

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.

1.7.1 Obligation of Government Payments

The obligation of the Government to make payments required under the provisions of this Contract will, at the discretion of the Contracting Officer, be subject to reductions and suspensions permitted under the FAR and agency regulations including the following in accordance with FAR FAR 32.103 Progress Payments Under Construction Contracts:

a. Reasonable deductions due to defects in material or workmanship;

b. Claims which the Government may have against the Contractor under or in connection with this Contract;

c. Unless otherwise adjusted, repayment to the Government upon demand for overpayments made to the Contractor; and

d. Failure to maintain accurate "as-built" or record drawings in accordance with FAR 52.236.21.

1.7.2 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. FAR 52.232-5(b) 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 Contracting Officer's approval in accordance with [Schedule of Prices][Earned Value Report] requirement of this Contract. Requests for progress payment consideration for such items must be supported by documents establishing their value and that the title requirements of the clause at FAR 52.232-5 Payments Under Fixed-Price Construction Contracts have been met.

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 either in Hawaii, Guam, Puerto Rico, or the Continental United States. Other locations are subject to written approval by the Contracting Officer.

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

[1.8 SINGLE JOB PAYMENT ITEMS

****
NOTE: This Article is tailored for Army projects. Include this Section for Army projects requiring single job payment items.
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NOTE: A letter from the OFFICE OF THE UNDER SECRETARY OF DEFENSE dated October 3, 2011, SUBJECT: Contract Line Item Pricing Integrity, states, "No Contract action should be issued using 'lump sum' or 'dollars' as a unit of measure." Replace LUMP SUM with JOB in all UFGS sections for DoD Contracts.
****

****
NOTE: The number and identification of single job payment item(s) is primarily a Construction Division concern. Generally, it is better to keep the number of single job payment items to a minimum. The description of the work included in a payment item is unique for each job and must be developed for each construction Contract. For bracketed items, choose applicable item(s) or insert appropriate information.
****

Payment items for the work of this Contract for which Contract job payments will be made are listed in the [BIDDING][PRICING] PROPOSAL SCHEDULE 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.

1.8.1 Mobilization and Demobilization

****
NOTE: If mobilization and demobilization costs are expected to be a minor cost under the Contract, this clause and payment item should be deleted.
****

1.8.1.1 Payment

Payment will be made for costs associated with mobilization and demobilization, as defined in Special Contract [Clause][Requirement] PAYMENT FOR MOBILIZATION AND DEMOBILIZATION.

1.8.1.2 Unit of Measure

Unit of measure: job.

1.8.2 Structure No. 1

1.8.2.1 Payment

Payment will be made for costs associated with operations necessary for construction of the structure at Station XX+XX.

1.8.2.2 Unit of Measure

Unit of measure: job.

1.8.3 Structure No. 2

1.8.3.1 Payment

Payment will be made for costs associated with operations necessary for construction of the structure at Station XX+XX.

1.8.3.2 Unit of Measure

Unit of measure: job.

][1.9 UNIT PRICE PAYMENT ITEMS

****
NOTE: This Article is tailored for Army projects. Include this Section for Army projects requiring unit price payment items.
****

****
NOTE: Unit price payment items should be used only where appropriate under the guidance of Federal Acquisition Regulation (FAR) Part 36 - Construction and Architect-Engineer Contracts paragraph 36.207 Pricing Fixed-Price Construction Contracts.

The Unit Price payment items shown below are for illustration purposes only. Unit price payment item language must be written specifically for each job. Unit price payment item language appropriate for inclusion below is contained in guide specification sections and must be moved to this section to develop the pay items for the project.
****

Payment items for the work of this Contract on which the Contract unit price payments will be made are listed in the [BIDDING][PRICING] PROPOSAL SCHEDULE and described below. The unit 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 each of the unit price items.

1.9.1 Excavation

****
NOTE: Modify this paragragh if Section 02 61 13 EXCAVATION AND HANDLING OF CONTAMINATED MATERIAL is used. For bracketed items, choose applicable item(s) or insert appropriate information.
****

1.9.1.1 Payment

Payment will be made for costs associated with excavation [for the channel][and][for the structure], which includes performing required excavation and other operations incidental thereto, Contractor-furnished disposal area(s) and disposition of excess excavated material and unsuitable and frozen materials.

1.9.1.2 Measurement

The total quantity of excavated material for which payment will be made will be the theoretical quantity between the ground surface as determined by a survey and the grade and slope of the theoretical cross sections indicated. No allowance will be made for overdepth excavation or for the removal of any material outside the required slope lines unless authorized.

1.9.1.3 Unit of Measure

Unit of measure: cubic meter yard.

1.9.2 M 90 Riprap

****
NOTE: This example was taken from Section 35 31 19 STONE, CHANNEL, SHORELINE/COASTAL PROTECTION FOR STRUCTURES.
****

1.9.2.1 Payment

Payment will be made for costs associated with furnishing, transporting, stockpiling (if applicable), placing, and constructing the stone protection as specified.

1.9.2.2 Measurement

Measure riprap for payment by the ton metric 2,000 pounds by weighing each truckload to the nearest 0.1 ton 200 pounds, and the final quantity of [each truckload][the whole sum] is rounded to the nearest whole ton. Weigh the riprap for payment on approved scales before being placed in the work. Quarry weights will not be accepted. Use scales of sufficient length to permit simultaneous weighing all axle loads. Scales must be inspected, tested and sealed as directed to assure accuracy with 0.5 percent throughout the range of the scales. Certify scales located at the site of the work as to accuracy by an acceptable scales company representative prior to weighing any riprap. Scales will be checked and certified before riprap hauling and rechecked and recertified whenever a variance is suspected. Furnish the scales. If commercial scales are readily available in close proximity, 15 kilometers 10 miles of site of work, the Contracting Officer may approve the use of the scales. Weigh

riprap in the presence of the Government representative. The Contracting Officer may elect to accept certified weight certificates furnished by a public weighmaster in lieu of scale weights at the jobsite.

1.9.2.3 Unit of Measure

Unit of measure: ton metric 2,000 pounds.

1.9.3 Deformed Steel Bars for Concrete Reinforcement

****
NOTE: This example was taken from Section 03 30 00 CAST-IN-PLACE CONCRETE.
****

1.9.3.1 Payment

Payment will be made for costs associated with furnishing, transporting, delivering, and placing deformed steel bars for concrete reinforcement, which includes steel in laps as indicated or as required. No payment will be made for the additional steel in laps which are authorized for the convenience of the Contractor. No separate payment will be made for accessories; include payment in the Contract unit price for the items of work to which the accessories are incidental.

1.9.3.2 Measurement

The measured lengths of deformed steel bars for concrete reinforcement will be converted to weights for the size of bars listed by the use of the nominal weights per lineal meter foot specified in ASTM A615/A615M.

1.9.3.3 Unit of Measure

Unit of measure: per kilogram pound in place.

][1.10 CONTAMINATED SOIL REMOVAL

****
NOTE: Include this Article for Army projects requiring contaminated soil removal and edit accordingly.
****

Payment items for the work of this Contract on which the Contract unit price payments will be made are listed in the [PRICING][BIDDING] PROPOSAL SCHEDULE and described below. The unit price and payment made for each item listed must constitute 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 each of the unit price items.

1.10.1 Unit of Measure

Unit of measure: cubic meter yard.

][1.11 DREDGING

****

NOTE: Include this Article for Army projects that include dredging. Modify this paragraph if SECTION 35 20 23 DREDGING is used.
****

Payment will be made at the Contract lump sum job price and must constitute full compensation for performing all dredging, disposal,[and ice and snow removal,] stockpiling, and replacement. Payment will be in accordance with above paragraph, SINGLE JOB PAYMENT ITEMS. In no case will payment be made for material removed from below the maximum pay-line or outside the dredging prism as indicated.

]PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

-- End of Section --