

SECTION 01012

MEASUREMENT AND PAYMENT

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Requirements for determining measurement and payment of work in place.

1.02 RELATED WORK

- A. All work described in the plans and specifications shall be covered by this section.

1.03 SYSTEM DESCRIPTION

A. UNIT PRICE ITEMS

- 1. Measurement of units of work for which payment will be made by unit prices will be defined in Part Four of the respective sections.
- 2. Payment for the units of work will be determined by multiplying the unit prices stated within the bid proposal by the quantity of the unit of work as determined by the measurement portions of Part Four of the respective sections. Payment for the units of work shall full compensate the Contractor for furnishing all material, labor, supervision, equipment, services, and all else necessary and incidental to complete the work.

B. LUMP SUM ITEMS AND LUMP SUM CONTRACTS

- 1. Items of work will be indicated on the bid schedule.
- 2. Payment for the items of work indicated in the bid schedule will be at the prices stated within the bid. Payment for the work to be performed under the lump sum shall fully compensate the Contractor for furnishing all material, labor, supervision, equipment, services, and all else necessary and incidental to complete the work as shown on the drawings and specifications, including all

incidental work necessary to provide a completed project.

- C. No specific measurement and payment will be made for units of work described in sections which do not contain "Part 4 - Measurement and Payment." The costs for the work of these sections shall be included in the prices bid for the various other items listed in the bid schedule.
- D. The amount bid for the line item entitled "Atlantic Highlands Pump Station Comminutor Replacement" in the proposal shall represent full compensation to the Contractor for the following work:
1. Removal of existing specified comminutor components to be replaced as detailed on Sheet 4 of the Plans, Section 15051 and any other part of this RFP.
 2. Channel cleaning and minor concrete channel modifications required to remove and install comminutors per the contract documents and manufacturer's recommendations.
 3. Furnish and install two new comminutors and related hydraulic components, as detailed on Sheet 4 of the Plans, Section 15051 and any other part of this RFP.
 4. Furnish and install new hydraulic components, as detailed on Sheet 4 of the Plans, Section 15051 and any other part of this RFP, and including related connectors, fittings, supports, etc..
 5. Installation of a new wet well access way as detailed on Sheet 4 of the Plans and any other part of this RFP.
 6. Restoration and cleanup
 7. All other work of any type or description necessary for the completion of the project, whether or not specifically shown on the plans or specifications herein.
- E. The amount bid for the line item entitled "Highlands Pump Station Comminutor Replacement" in the proposal shall represent full compensation to the Contractor for the following work:

1. Removal of existing specified comminutor components to be replaced as detailed on Sheet 3 of the Plans, Section 15050 and any other part of this RFP.
2. Channel cleaning and minor concrete channel modifications required to remove and install rehabilitated comminutors per the contract documents and manufacturer's recommendations.
3. Furnish and install two new comminutors, as detailed on Sheet 3 of the Plans, Section 15050 and any other part of this RFP.
4. Furnish and install one new electric comminutor motor, as detailed on Sheet 3 of the Plans, Section 15050 and any other part of this RFP.
5. Install Owner furnished motor on contractor furnished comminutors as detailed on Sheet 3 of the Plans, Section 15050 and any other part of this RFP.
6. Restoration and cleanup.
7. All other work of any type or description necessary for the completion of the project, whether or not specifically shown on the plans or specifications herein.

F. The amount bid for the line item entitled "Atlantic Highlands Pump Station Bypass" in the proposal shall represent full compensation to the Contractor for the following work:

1. By-pass of sewage flow around the work area if required in accordance with Section 02738 and elsewhere in the contract documents.
2. All other work of any type or description necessary for the completion of the project, whether or not specifically shown on the plans or specifications herein.

G. The amount bid for the line item entitled "Highlands Pump Station Bypass" in the proposal shall represent full compensation to the Contractor for the following work:

1. By-pass of sewage flow around the work area if required in accordance with Section 02738 and elsewhere in the contract documents.

2. All other work of any type or description necessary for the completion of the project, whether or not specifically shown on the plans or specifications herein.

H. Schedule of Values

1. The Contractor shall submit at the preconstruction conference six (6) copies of the schedule of values (Rev. 0) which shall subdivide the work into its component items. The resulting breakdown of the contract amount shall indicate the quantities and unit cost assigned to each item of work, along with the associated labor, equipment and material costs for each item of work. Labor costs shall also include the components outlined in the General Conditions. This breakdown may be adjusted by the Engineer if he feels the costs indicated for any part of the work do not accurately reflect the true value. Upon approval of a breakdown of the contract amount by the Engineer, it shall be accordance with the General Conditions, subject to the payment conditions indicated in Part 1.03 of this section.
2. In addition to being used as the basis for preparing progress payments, the Schedule of Values may be used as a basis for negotiations concerning additional work or credits which may arise during the construction.
3. If any cost breakdown item is found to be unbalanced by more than 5 percent, the Owner will have the right to pay the Contractor a reasonable value for work performed and redistribute the cost breakdown as in its opinion is fair and reasonable.
4. For items of work which will be performed over a period of more than one (1) month, the cost breakdown shall be in sufficient detail of quantity and unit price so that progress payment estimates may be prepared on the basis of the amount of work performed during that period and not on percentages complete.

5. At a minimum, cost shall be in sufficient detail to indicate separate amounts for each Technical Section of the Specifications.
6. Contractor may include an item for bond, insurance, temporary facilities and job mobilization only if the bid schedule does not list a "Mobilization Pay Item."
7. Schedule shall show the purchase and delivery costs for materials and equipment that the contractor anticipates it shall request payment for prior to their installation.

END OF SECTION 01012