

## **SECTION 01 10 00 - MEASUREMENT AND PAYMENT**

### **PART 1 - GENERAL**

#### **1.01 SCOPE**

A. Payment for the various items in the Bid Schedule, as further specified herein, shall include all compensation to be received by CONTRACTOR for furnishing all tools, equipment, supplies, and manufactured articles, and for all labor, operations, and incidentals appurtenant to the items of work being described, as necessary to complete the various items of the WORK all in accordance with requirements of the Contract Documents, including all appurtenances thereto, and including all costs of compliance with regulations of public agencies having jurisdiction, including Safety and Health Requirements of the Occupational Safety and Health Administration of the U.S. Department of Labor . No separate payment will be made for any item that is not specifically set forth in the Bid Schedule, and all costs therefore shall be included in prices named in Bid Schedule for various appurtenant items of work.

#### **1.02 DEMOLITION (Bid Item No. 1)**

A. Measurement for payment for performing all Demolition on a Lump Sum basis based upon completion and acceptance by the OWNER of the performance, all in accordance with the Contract Documents.

B. Payment for performing Demolition will be made at the contract unit price for Bid Item No. 1 which price will constitute as full payment for furnishing all labor, materials and equipment for all demolition necessary for the completion of the work. This item shall include the cost of all demolition including clearing and grubbing, pavement removal, concrete slab removal and any other elements required to be demolished to complete the scope of work.

#### **1.03 DRAINAGE SYSTEM (Bid Item No. 2)**

A. Measurement for payment for furnishing and installing the complete Drainage System on a Lump Sum basis based upon completion and acceptance by the OWNER of the improvements, all in accordance with the Contract Documents.

B. Payment for performing Drainage System will be made at the contract Lump Sum price for Bid Item No. 2 which price will constitute as full payment for furnishing all labor, materials and equipment for providing and installing the complete Drainage System as described in the contract documents. This item shall include the cost of all drainage elements including catch basins, French drains, drainage pipe, trench drains, manholes, cast iron frame and grates and pollution control baffles in accordance with the Contract Documents.

#### **1.04 EARTHWORK (Bid Item No. 3)**

A. Measurement for payment for Earthwork on a lump sum basis based upon completion and acceptance by the OWNER of the improvements, all in accordance with the Contract Documents.

B. Payment for performing Earthwork will be made at the contract unit price for Bid Item No. 3 which price will constitute as full payment for furnishing all labor, materials and equipment for constructing the expanded pavement areas and the modification of existing pavement areas as shown in the drawings. This item shall include the cost of cutting new retention areas, moving existing soils, removing of excess material, compaction and related to accomplish the work as shown in the contract documents.

#### 1.05 CONCRETE SIDEWALKS (Bid Item No. 4)

A. Measurement for payment for Concrete Sidewalks shall be based upon completion and acceptance by the OWNER of the cleaned system, all in accordance with the Contract Documents.

B. Payment for Concrete Sidewalks will be made at the Lump Sum Price for Bid Item No. 4. Payment shall include full compensation for labor, equipment, and material required to complete the Concrete Sidewalks as shown in the contract documents. This item shall include the cost of all formwork, concrete, compaction, finishing, jointing and other efforts required to complete the scope as shown in the contract documents.

#### 1.06 PAVEMENT MODIFICATIONS (Bid Item No. 5)

A. Measurement for payment for Pavement Modifications on a lump sum basis based upon completion and acceptance by the OWNER of the improvements, all in accordance with the Contract Documents.

Payment for performing Pavement Modifications will be made at the contract unit price for Bid Item No. 5 which price will constitute as full payment for furnishing all labor, materials and equipment for constructing the expanded pavement areas and the modification of existing pavement areas as shown in the drawings. This item shall include the cost of new limerock, asphalt, compaction, reshaping existing limerock etc related to pavement construction. This item shall also include all curbing for islands and pavement perimeters as well as wheel stops as shown in the contract documents.

#### 1.07 SEALCOAT PAVEMENT (Bid Item No. 6)

A. Measurement for payment for furnishing and installing Sealcoat Pavement on a lump sum basis based upon completion and acceptance by the OWNER of the improvements, all in accordance with the Contract Documents.

B. Payment for performing Sealcoat Pavement will be made at the Contract price per for Bid Item No. 6 which price will constitute as full payment for furnishing all labor, materials and equipment for providing and installing sealcoat for the remainder of the asphalt surfaces in the project. This item shall include the cost of all associated elements necessary to provide the work in accordance with the Contract Documents.

#### 1.08 PAVEMENT MARKING (Bid Item No. 7)

A. Measurement for payment for furnishing and installing Pavement Marking on a lump sum basis based upon completion and acceptance by the OWNER of the improvements, all in accordance with the Contract Documents.

B. Payment for performing Pavement Marking will be made at the Contract price for Bid Item No. 7 which price will constitute as full payment for furnishing all labor, materials and equipment for providing and installing all temporary and permanent pavement striping as described in the contract documents. This item shall include the cost of all associated elements necessary to complete the work in accordance with the Contract Documents.

#### 1.09 ELECTRICAL AND LIGHTING (Bid Item No. 8)

A. Measurement for payment for Electrical and Lighting shall be based upon completion and acceptance by the OWNER of the pavement improvements, all in accordance with the Contract Documents.

B. Payment for Electrical and Lighting will be made at the Contract Unit Price for Bid Item No. 8. Payment shall include full compensation for labor, equipment, and material required to complete the Electrical and Lighting to include the construction of all lighting and the modifications to the electrical system described in the Contract Documents.

#### 1.10 UTILITY RELOCATIONS (Bid Item No. 9)

A. Measurement for payment for Utility Relocations shall be based upon completion and acceptance by the OWNER of the completed relocated elements, all in accordance with the Contract Documents.

B. Payment for Utility Relocations will be made at the Lump Sum Price for Bid Item No. 9. Payment shall include full compensation for labor, equipment, and material required to complete the relocation of water and sewer lines as shown in the Contract Documents. This item shall also include the cost of trenching, back fill compaction and pavement restoration as required to complete the work as shown in the Contract Documents.

#### 1.11 SIGNAGE (Bid Item No. 10)

A. Measurement for payment for Signage shall be based upon completion and acceptance by the OWNER of the completed signs elements, all in accordance with the Contract Documents.

B. Payment for Signage will be made at the Lump Sum Price for Bid Item No. 10. Payment shall include full compensation for labor, equipment, and material required to relocate or provide and install all signs as shown in the Contract Documents.

#### 1.12 LANDSCAPING AND IRRIGATION (Bid Item No. 11)

A. Measurement for payment for Landscaping and Irrigation shall be based upon completion and acceptance by the OWNER of the improvements, all in accordance with the Contract Documents.

B. Payment for Landscaping and Irrigation will be made at the Unit Price for Bid Item No. 11. Payment shall include full compensation for labor, equipment and material required for the landscaping elements including removal or relocating of existing trees, provision or planting of new trees, shrubs and sod as well as the ground preparation and care required to meet specifications. This item also include additions and reconfigurations to the irrigation system as described in the contract documents.

1.13 MOBILIZATION (Bid Item No. 12)

A. Measurement for payment of Mobilization/General Requirements shall be based upon the completion of mobilization and/or general requirements operations at the project site. Mobilization shall include but not be limited to the following principle items:

1. Moving on to site of all CONTRACTORs plant and equipment.
2. Providing on-site sanitary facilities, as needed (if needed).
3. Submittal of all required subcontractor insurance certificates and bonds.
4. Obtaining all required permits.
5. Posting all OSHA required notices and establishment of safety programs.
6. Have CONTRACTOR's superintendent at job site full time.
7. Establishment of SWPPP

Demobilization shall include but not be limited to the following principle items:

1. Removal of all temporary construction facilities.
2. Removal of all equipment and excess materials.
3. Cleanup and restoration of the site to conditions existing prior to construction.

B. CONTRACTOR's attention is directed to condition that no payment for mobilization, or any part thereof, will be recommended for payment under the Contract until all mobilization items listed above have been completed as specified.

C. Payment for mobilization/general requirements shall be made as follows. The Contract Unit Price indicated in Bid Item No. 1 shall be distributed for completion of mobilization and general requirements as follows. Payment will constitute as full compensation for the provision of work as listed above plus all other appurtenant or incidental work as required to properly complete the mobilization/general requirements. The General Requirements portion of this line item will be approved for payment on a monthly pro-rated share of the indicated value.

Item	% of Bid Item No. 1
Mobilization	25
General Requirements	65
Demobilization	10

1.14 MAINTENANCE OF TRAFFIC (Bid Item No. 13)

A. Measurement for payment for Maintenance of Traffic will be based on demonstration of completion of the work in accordance with plans specifications and approved shop drawings.

B. Payment Maintenance of Traffic will be made at the Contract Unit Price for Bid Item No. 13. Progress payment will be allowed as a percentage of the effort expended versus the overall project. The

bid price shall include the provision of complete MOT services including design, shop drawings, rental, placement, maintenance and removal in accordance with codes and standards as outlined in the project documents.

1.15 BONDS AND INSURANCE (Bid Item No. 14)

A. Measurement for payment for Bonds and Insurance will be based upon meeting the requirements in the City Contract and Front End Documents regarding these items.

B. Payment for Bonds and Insurance will be made at the Contract Unit Price for Bid Item No. 14 when the required documentation has been shown to satisfy the City that all provisions have been met.

1.16 INDEMNIFICATION FOR OWNER/ENGINEER (Bid Item No. 15)

A. Bidder must state the amount of consideration required by the Bidder in return for the Bidder's promise of Indemnity contained in the GENERAL CONDITIONS. The amount stated shall be \$10.00.

1.17 COMPLIANCE WITH TRENCH SAFETY ACT (Bid Item No. 16)

A. Bidder must state the amount of consideration required by the Bidder in return for the Bidder's promise of Compliance with Trench Safety Act. The amount stated shall be no less than \$10.00.

1.18 CONSTRUCTION ALLOWANCE (Bid Item No. 16)

A. A predetermined dollar figure has been included in the bid form for the allowance bid item. The funds set aside for this item are not guaranteed and will only be paid out to the contractor in the event that additional work is added to the contract. The assignment of these funds towards additional work is at the sole discretion of the City.

1.18 RESTORATION

A. Restoration other than or in addition to what is indicated by the Drawings and defined herein will be considered incidental to the construction and the costs of this incidental restoration should be included in the cost of the bid items that cause the need for the restoration.

1.19 OTHER MATERIALS AND LABOR

A. If other materials and labor are required to perform the Work under this project as specified and as shown on the Drawings but are not specifically included on the Bid Form or mentioned in this section, cost for such items including material and labor shall be merged with the various unit or lump sum prices as shown on Bid Form.

1.20 ADDITIONAL WORK

A. Additional quantities of work which may be necessary to complete the project as requested by OWNER and ENGINEER shall be measured and paid for as specified herein for the respective item of Work. Measurement for payment will be based upon actual quantities of item constructed and accepted, complete and in place, all in accordance with the Contract Documents.

B. Payment for such other work that may be shown on Bid Schedule will be made at Contract Unit Price or Lump Sum Price shown for such other work, and will constitute full compensation for construction of such other work, complete, in place as shown on the Drawings.

PART 2 - PRODUCTS

NOT USED.

PART 3 - EXECUTION

NOT USED.

END OF SECTION