

SECTION 01025

MEASUREMENT AND PAYMENT REVISED

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 Health and Safety Requirements of the Occupational Safety and Health Administration of the U. S. Department of Labor (OSHA). 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 the Bid Schedule for various appurtenant items of the Work. All references within these documents to the Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction shall be based upon the latest published edition.

1.02 MOBILIZATION/DEMOBILIZATION GENERAL REQUIREMENTS (Bid Item No. 1)

- 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. Providing on-site sanitary facilities as specified.
 2. Arranging for, and erection of, CONTRACTOR's work and storage yard as needed by CONTRACTOR.
 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 at the jobsite.
 6. Have CONTRACTOR's superintendent at job site full time.

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 named 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.

<u>Item</u>	<u>% of Bid Item No. 1</u>
Mobilization	25
General Requirements	65 (Prorated over length of contract)
Demobilization	10

1.03 INDEMNIFICATION (Bid Item No. 2)

- A. Bidder must state the amount of consideration required by the Bidder in return for the Bidder's promise of Indemnity contained in paragraph 6.20 of the GENERAL CONDITIONS. The amount stated shall be no less than 1% of the sum bid total.

1.04 AS-BUILT RECORD DRAWINGS (Bid Item No. 3)

- A. Measurement for payment for providing and furnishing as-built record drawings shall be based upon percent of as-built drawings completed, reviewed and accepted by ENGINEER, all in accordance with the requirements of the Contract Documents.
- B. Payment for providing as-built record drawings shall be made at the calculated percentage of the contract price named, which price will constitute as full compensation for all such as-built record drawings complete, including but not limited to all work as specified on Drawings.
- C. This item does not include surveying work required for layout and alignment of utility improvements.

1.05 MAINTENANCE OF TRAFFIC (Bid Item No. 4)

- A. Measurement for payment for providing and furnishing maintenance of traffic shall be based upon percent of project complete, all in accordance with the requirements of the Contract Documents. Maintenance of Traffic shall be performed in accordance with FDOT Section 102 of the standard Specifications for Road and Bridge Construction.
- B. Payment for providing and furnishing maintenance of traffic shall be made at the calculated percentage of the contract unit price named, which price will constitute as full compensation for all such maintenance of traffic complete, including all maintenance of traffic plan preparation and approval; placement and removal of barricades, warning signs, arrow boards and other control devices; flagmen; all necessary public notifications; and all other appurtenant work.
- C. This bid item is inclusive of maintenance of vehicular and pedestrian traffic.

1.06 EXISTING UTILITY LOCATION/IDENTIFICATION (Bid Item No. 5)

- A. Measurement for payment for providing existing utility location/ verification shall be based upon percent of existing utility location/ verification all in accordance with the requirements of the Contract Documents.
- B. Payment for providing existing utility location/verification shall be made at the calculated percentage of the contract price named, which price will constitute a full compensation for all requirements in the contract documents including but not limited to walking of site(s) and/or alignments to verify locations of existing utilities, comparing locations determined in the field with location of existing and proposed utilities shown on the drawings, preparing and submitting report of findings to ENGINEER, potholing potential conflicts, and all other appurtenant work.
- C. Payment for existing utility location/verification shall be made as follows. The Contract unit price named shall be distributed for completion of existing utility location/verification 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 existing utility location/verification.

1.07 NPDES GENERAL CONSTRUCTION PERMIT COMPLIANCE (Bid Item No. 6)

- A. Measurement for payment for providing and furnishing NPDES General Construction Permit Compliance shall be based upon percent of project complete, all in accordance with the requirements of the Contract Documents. Erosion Control and General permit compliance shall be performed in accordance with FDOT Section 104 of the standard Specifications for Road and Bridge Construction.
- B. Payment for providing erosion control shall be made at the calculated percentage of the contract price named, which price will constitute as full compensation for all such NPDES requirements complete, including but not limited to prevention of erosion and siltation of waterways and storm sewer systems by provision of artificial coverings; mowing; sand bagging; slope drains; sediment basins; sediment basin cleanouts; baled hay or straw; floating turbidity barrier; staked turbidity barrier; staked silt fence; and all other appurtenant work.
- C. This item includes all work covered by NPDES Permit No. FLS000016 inclusive of preparation of Notice of Intent documents, preparation of Pollution Prevention Plan and the Notice of Termination.

1.08 PRECONSTRUCTION VIDEO (Bid Item No. 8)

- A. The Contractor shall be required to provide a video of the project route for Preconstruction conditions including all potentially impacted areas both within and outside the rights of way. The video shall be professionally produced by a provider acceptable to the OUA and Okeechobee County, and shall contain such detail necessary to verify Preconstruction conditions.
- B. Payment for Preconstruction Video at the Contract Unit Price named, which shall constitute full compensation for all labor, material and equipment required to procure the video of the entire limits of the project in accordance with the Construction Plans. Payment for preconstruction video will be per lump sum.

1.09 FURNISH AND INSTALL VACUUM MAIN (BID ITEM NO. 11)

- A. Measurement for payment for furnishing and installing vacuum main shall be based upon the number of linear feet of such vacuum main actually installed as determined by measurement along the centerline of the pipe in place including fittings, all in accordance with requirements of the Contract Documents.
- B. Payment for furnishing and installing the vacuum main will be made at the contract unit price per linear foot of pipe named, which prices will constitute full compensation for installing all such pipe (including all fittings), complete in place, and including all survey work; earthwork, trench excavation as shown on the Drawings, backfill and dewatering as required; disposal of waste and excess material; all specified testing, utility markers; cleanup; repair of damage to existing utilities; preconstruction videotaping, traffic control, sprinkler system repair and all other appurtenant work.
- C. Cost for furnishing and installing vacuum lifts shall be included with and distributed equally among this bid item.
- D. Cost for the removal and disposal of existing trees within planted rights-of-way that are in conflict with the proposed vacuum main alignments shall be included with and distributed equally among this bid item. Such cost shall be inclusive of any tree removal permits, as applicable.

1.10 DIVISION VALVES AND BOXES (Bid Item No. 12)

- A. Measurement for payment for furnishing and installing resilient seat gate (Division) valves and boxes will be based upon the actual quantity of such valves and boxes installed, all in accordance with requirements of the Contract Documents.
- B. Payment for furnishing and installing resilient seat gate (Division) valves and boxes will be made at the Contract Unit Price named for each valve and box installed and accepted. Payment will include full compensation for labor, equipment, and material required to install resilient seat gate valves and boxes in accordance with the standard details at locations shown on the Drawings.

1.11 INSTALL VACUUM COLLECTION PIT ASSEMBLIES (Bid Item No. 13-14)

- A. Measurement for payment for installing vacuum system manufacturer's vacuum collection pit assemblies will be based upon the actual quantity of vacuum collection pit assemblies per type installed, all in accordance with the Contract Documents.
- B. Payment for installing vacuum system manufacturer's vacuum collection pit assemblies shall be made at the contract unit price per assembly installed. Unit prices will constitute as full compensation for installing vacuum system manufacturer's vacuum collection pit assemblies complete in place including all earthwork, fiberglass sump, vacuum valve and accessories, cast iron frame and cover, main line connection piping (including 3" flexible connector pipe), concrete, backwater valve, gravity service piping with plug(s) at right-of-way line, bedding, adjustments, backfilling, dewatering, cleanup, and all other appurtenant work.

- C. Payment for this item includes all restoration required for the vacuum pit assembly installation including but not limited to: ~~asphalt road crossing, driveway repair~~, sod and landscaping. CONTRACTOR shall familiarize himself with these restoration requirements prior to bid.
- D. Vacuum collection pit assemblies as specified in Section 02997 - Vacuum Sewer Collection System.

1.12 CLEARING & GRUBBING (Includes removal of piping) (Bid Item No. 15)

- A. Measurement for payment for clearing & grubbing shall be in accordance with FDOT Section 110 of the Standard Specifications for Road and Bridge Construction. The work shall include the removal and proper disposal of all pipe, pavement, trees, shrubs, un-usable materials within the limited work zone.
- B. Payment for Clearing & Grubbing will be at the at the Contract Unit Price named, which shall constitute full compensation for all labor, material and equipment required to clear, grub, and dispose of the work zone in accordance with the Construction Plans. Payment for clearing & grubbing will be acre cleared and grubbed.

1.13 REGULAR EXCAVATION SWALE GRADING (Bid Item No. 16a)

- A. Measurement for payment for regarding the existing swales shall be in accordance with FDOT Section 120 of the Standard Specifications for Road and Bridge Construction and based upon the linear foot of swale graded, all in accordance with the Contract Documents.
- B. Payment for swale grading shall be made at the Contract Unit Price named, which shall constitute full compensation for all labor, material and equipment required to grade the swales in accordance with the Construction Plans. Payment for swale grading will be per linear foot of graded swale.

1.14 TYPE B STABILIZATION (Roadway Shoulder and driveways) (Bid Item No. 16b)

- A. Measurement for payment for furnishing and installing stabilized shoulders and unpaved driveways shall be in accordance with FDOT Section 160 of the Standard Specifications for Road and Bridge Construction and based upon the square yard or stabilization provided, all in accordance with the Contract Documents.
- B. Payment for stabilization shall be made at the Contract Unit Price named, which shall constitute full compensation for all labor, material and equipment required to furnish and installation of the stabilized shoulders and unpaved driveways replaced along both SW 24th Avenue and SW 28th Street. Payment for stabilization will be per Square Yard of installation.

1.15 DRAINAGE STRUCTURE INSTALLATION (Bid Item No. 17 and 18)

- A. Measurement for payment for furnishing and installing drainage structures shall be in accordance with FDOT Section 425 of the Standard Specifications for Road and Bridge Construction and based upon the each structure installed, all in accordance with the Contract Documents.

- B. Payment for drainage structures shall be made at the Contract Unit Price named, which shall constitute full compensation for all labor, material and equipment required to furnish and install the inlets and mitered end sections. Payment for sod will be each installation.

1.11 DRAINAGE PIPE INSTALLATION (Bid Item No. 19 and 20)

- A. Measurement for payment for furnishing and installing drainage pipe shall be in accordance with FDOT Section 430 of the Standard Specifications for Road and Bridge Construction and based upon the linear feet of pipe as-built centerline installed, all in accordance with the Contract Documents.
- B. Payment for drainage structures shall be made at the Contract Unit Price named, which shall constitute full compensation for all labor, material and equipment required to furnish and install the inlets and mitered end sections. Payment for sod will be each installation.

1.16 RESTORATION (Bid Item No. 30-37)

A. Furnish and Place Sod

- 1. Measurement for payment for furnishing and installing sod shall be in accordance with FDOT Section 981 of the standard Specifications for Road and Bridge Construction and based upon the Square Yards installed in grass area, all in accordance with the Contract Documents.
- 2. Payment for sod shall be made at the Contract Unit Price named, which shall constitute full compensation for all labor, material and equipment required to furnish and install sod and maintain said sod installations until final completion of project. Payment for sod will be per Square Yard installed in grass area.

B. Asphaltic Sidewalks/Driveways

- 1. Measurement for payment for the furnishing and installation of asphaltic sidewalks/driveways shall in accordance with FDOT Section 286, and 334 of the Standard Specifications for Road and Bridge Construction and be by Square Yard, all in accordance with the Contract Documents.
- 2. Payment for furnishing and installing asphaltic sidewalk/driveways shall be made at the Contract unit price named, which price shall constitute full compensation for all labor, materials and equipment required to furnish and properly install the sidewalk/driveways, base material, repairing of the pavement edges, final grading, completion of base material and asphalt, and applying prime coat.

C. Concrete Sidewalks/Driveways

- 1. Measurement for payment for the furnishing and installation of concrete sidewalks/driveways shall be in accordance with FDOT Section 522 of the Standard Specifications for Road and Bridge Construction and by square yard of side-walk/driveway trench width, all in accordance with the Contract Documents.

2. Payment for furnishing and installing concrete sidewalk/driveways shall be made at the Contract unit price named, which price shall constitute full compensation for all labor, materials and equipment required to furnish and properly install the sidewalk/driveways, compact the subgrade, formwork, concrete, finish and provide joints as shown on the Drawings and specified herein.

D. Concrete Curbs

1. Measurement for payment for concrete curbs shall be in accordance with FDOT Section 520 of the Standard Specifications for Road and Bridge Construction and based upon the actual linear feet of curb disturbed, all in accordance with the Contract Documents.
2. Payment for furnishing and installing concrete curbs shall be made at the Contract unit price named, which price will constitute as full compensation for all labor, equipment and material required to completely furnish and install concrete curbs, saw cut edges, place base material, compact base material, compact the subgrade, formwork, concrete, finish and provide joints as shown in the drawings and specifications.

E. Asphaltic Road Patch

1. Measurement for payment for asphaltic concrete pavement road patch including limerock base material, saw cutting pavement edges, applying prime coat and tack coat and installing asphaltic concrete shall be in accordance with FDOT Section 200 and 334 of the Standard Specifications for Road and Bridge Construction and be based upon Square Yard of patch measured along the as-built centerline of the pipe.
2. Payment for furnishing and installing the asphaltic concrete patch and limerock base shall be made at the unit price per square yard of patch named, which price shall constitute full compensation for placing all such patch and base material including saw cutting of the existing pavement edges, final grading, compaction of base material and asphalt and applying prime coat.

F. Headwall Replacement

1. Measurement and payment for headwall replacement (in kind) including all materials required to provide a headwall that is the same as the required removal including but not limited to concrete, facia, painting footers and reinforcement shall be in accordance with FDOT Section 346 and 921 through 930 inclusive of the Standard Specifications for Road and Bridge Construction and be based upon each headwall replaced.
2. Payment for furnishing and installing headwalls shall be made at the unit price per Each.

1.17 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.

1.18 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