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TECHNICAL SPECIFICATIONS

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Note:

All work for paving, curb, fencing, electrical work, landscaping, sod, etc. shall be performed in accordance with City of Jacksonville and Florida Department of Transportation (FDOT) standards and specifications unless otherwise noted.

SECTION 01000

SCOPE OF WORK

The scope of work for this project includes removal and installation of Asphalt Pavement in Phases two (2) and three (3) parking areas specified in Appendix C for Southside Service Center (SSSC) located at 2325 Emerson St, Jacksonville, Florida. The Bidder shall provide a Bid amount for Phases two (2) and three (3) and an alternate Bid amount for Phase (1). JEA will have the option to award just Phases two (2) and three (3) or to award all three (3) phases if it is deemed to be in JEA's best interest. The award will be made on the lowest bid provided for Phases two (2) and three (3). Asphalt parking areas are to be striped to match existing pavement, applying temporary striping after paving and again applying Final Striping after thirty (30) days. Each Phase needs to be done two (2) weeks apart to allow curing time due to limited parking.

- Phase two (2) is approximately 14,400 Square Yards
- Phase three (3) is approximately 8,100 Square Yards
- Optional - Phase (1) is approximately 4,975 Square Yards

Construction is expected to take sixty (60) days from start to finish due to phasing of work and relocating fleet assets in parking area throughout facility. Construction must start by December 1, 2020 and must be 100% completed by January 31, 2020. These dates may be modified by JEA if necessary due to delays on JEA's behalf when issuing the contract.

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END OF SECTION

SECTION 01300

SUBMITTALS

PART 1 – GENERAL

1.1 SUBMITTAL PROCEDURES

- A. This Submittals section serves as supplemental information to JEA’s front-end specifications. In the case of any discrepancies, JEA’s front-end specifications take precedence.

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- B. Transmit each submittal with **OWNER**-accepted form.
- C. Sequentially number the transmittal forms. Resubmittals shall have original number with an alphabetic suffix.
- D. Identify Project, **CONTRACTOR**, Subcontractor or supplier; pertinent Drawing sheet and detail number(s), and Specification Section number, as appropriate.
- E. Apply **CONTRACTOR**'s stamp, signature or initials certifying that review, verification of products required, field dimensions, adjacent construction Work, and coordination of information, is in accordance with the requirements of the Work and Contract Documents.
- F. Identify variations from Contract Documents and product or system limitations which may be detrimental to successful performance of the completed Work.
- G. **OWNER** will review submittals and return to **CONTRACTOR** with a stamp indicating: "No Exceptions Taken," "Exceptions as Noted," "Submit Specified Item," "Revise and Resubmit," or "Rejected."
- H. Revise and resubmit submittals as required, identify all changes made since previous submittal.
- I. Distribute copies of reviewed submittals to concerned parties. Instruct parties to promptly report any inability to comply with provisions.

1.2 WORK PLAN

- A. **CONTRACTOR** shall submit a revised detailed Work Plan to the **OWNER** within seven (7) days after Notice of Award for **OWNER** to review.
- B. The Work Plan shall be prepared by the **CONTRACTOR** and include: the project schedule (see Section 1.3); proposed personnel, equipment, and methods of Asphalt removal and installation; site access and security procedures; proposed approach to coordinate work with **OWNER**'s on-site personnel, health and safety plan.

1.3 PROJECT SCHEDULE

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- A. **CONTRACTOR** shall submit a revised detailed project schedule to the **OWNER** within seven (7) days after Notice of Award for **OWNER** to review.
- B. The Project Schedule shall be prepared by the **CONTRACTOR** and include: proposed phasing of work; durations; milestones; and critical path.

1.4 DEWATERING PLAN

Not Used

1.5 GENERAL FILL SAMPLES

Not Used

1.6 PROPOSED PRODUCTS LIST

- A. For products specified only by reference standards, give manufacturer, trade name, model or catalog designation, and reference standards.

1.7 SHOP DRAWINGS

- A. Shop drawings shall consist of those detail drawings which may be required for execution of the Work, but which are not included in the Contract Drawings; including, but not limited to: parking lot striping plan; and all other drawings or submittals as may be required by the Specifications, and as may be necessary for the successful completion of the Work. Acceptance by the **OWNER** must be obtained before Work involving shop drawings may be performed. The contract price shall include the cost of furnishing all shop drawings, and the **CONTRACTOR** shall be allowed no extra compensation for furnishing those drawings.
- B. Submit two (2) copies of each required Shop Drawing to be retained by **OWNER**.

1.8 MANUFACTURER'S CERTIFICATES

- A. When specified in individual Specification Sections, submit manufacturers' certificate to **OWNER** for review, in quantities specified for Product Data.
- B. Indicate material or product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
- C. Certificates may be recent or previous test results on material or Product, but must be acceptable to **OWNER**.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

Not Used

*****END OF SECTION*****

SECTION 02100

SITE PREPARATION

PART 1 GENERAL

1.1 SCOPE

- A. This Section describes Work required in preparing the site for construction. The **CONTRACTOR** shall furnish all materials, equipment, transportation, a competent supervisor and labor necessary to complete the Work.
- B. The **CONTRACTOR** shall provide personnel protective equipment (PPE) for its personnel and subcontractors. **CONTRACTOR** shall be responsible for the maintenance of all PPE including proper off-site disposal.
- C. The **CONTRACTOR** shall protect and maintain bench marks, monuments and other reference points and shall re-establish, at no cost to **OWNER**, any such reference points disturbed or destroyed.
- D. Except where noted for removal, the **CONTRACTOR** shall protect and maintain existing monitoring wells, underground utilities, buildings, pavements, and fences, and shall repair or replace, at no cost to **OWNER**, any such items disturbed or destroyed.
- E. The **CONTRACTOR** shall maintain areas of the site not included in the construction under this contract clear of construction materials, construction debris and other debris to the maximum extent practicable during the Work.
- F. Where present in pavement areas, the **CONTRACTOR** shall remove bituminous pavement along clean straight lines via saw cutting of edges. Where bituminous pavement adjoins, the edge adjacent to the pavement shall be trimmed in a neat straight line.

*****END OF SECTION*****

SITE RESTORATION

PART 1 GENERAL

1.1 SCOPE

- A. The **CONTRACTOR** shall furnish all labor, material, equipment and incidentals required to restore areas affected by the work at the site including but not limited to excavations, trenches, access roads, stockpiles, etc. by the **CONTRACTOR** to their proposed final condition in accordance with the Specifications.
- B. The cost of replacing any utilities, paving, piping, fencing, grassed areas, etc. damaged or removed as part of the Work but outside of the defined project areas by the **CONTRACTOR** shall be borne by the **CONTRACTOR**.
- C. The **CONTRACTOR** shall exercise extreme care to avoid unnecessary disturbance of public and private property.
- D. The **CONTRACTOR** shall clean up the construction area immediately after construction is completed, based upon approval of **OWNER**.

PART 2 EXECUTION

2.1 USE OF QUALIFIED PERSONNEL

- A. The **CONTRACTOR** shall employ the services of a qualified nursery or landscape/lawn care specialist to perform all seeding, fertilizing, mulching, sodding, etc., unless an alternative is approved by **OWNER**.
- B. The **CONTRACTOR** shall employ the services of qualified personnel or qualified firms to repair or replace paved areas, fences, walls, buildings, etc.

2.2 SODDING

- A. Not Used

2.3 LIMEROCK BASE

- A. Sources of crushed lime rock material shall be obtained by the **CONTRACTOR** from an off-site source. Mineral aggregate characteristics shall be furnished by the **CONTRACTOR** as obtained from the supplier/source of the material.
- B. The minimum of carbonates of calcium and magnesium in the lime rock material shall be seventy percent (70%). The maximum percentage of water-sensitive clay mineral shall be three (3). The liquid limit shall not exceed thirty-five (35) and the material shall be non-plastic. Information confirming these values shall be provided by the supplier/source, with all testing under the direction of the supplier.

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- C. Lime rock material shall not contain cherty or other extremely hard pieces, or lumps, balls or pockets of sand or clay size material in sufficient quantity as to be detrimental to the proper bonding, finishing, or strength of the lime rock.

- D. The lime rock base will be compacted to at least one hundred percent (100%) of the maximum dry density per ASTM D-1557 (Modified Proctor) and provide a minimum lime rock bearing ratio (LBR) of 75.

- E. In excavation areas that are to be paved, the minimum compacted thickness of the lime rock base course shall be per drawings.

- F. The following testing shall be performed by the **CONTRACTOR** on both the on-site and off-site crushed stone/lime rock materials and results will be provided to **OWNER** prior to placement of the material:
 - Natural moisture content (ASTM D2216);
 - Grain size distribution (ASTM D422)
 - Standard Method for Moisture-Density of Soils (ASTM D-1557)
 - Florida Method – Lime rock Bearing Ratio (FM 5-515)

- G. Placement of the lime rock base shall be in accordance with the procedures outlined in the Florida Department of Transportation Specifications and JEA Facilities Standards Manual.

2.4 BITUMINOUS (ASPHALT)

- A. The minimum thickness of the surface course shall be 2 inches of SP 12.5 asphalt pavement.

2.5 CONCRETE PAVEMENT, SIDEWALK, CURB, GUTTER, AND CULVERTS

- A. Not Used.

2.6 FENCING AND GATES

- A. Not Used

2.7 PARKING LOT PAINTING

Parking lot striping shall be provided by the **CONTRACTOR** and installed consistent with JEA/City of Jacksonville standards, MUTCD and with the layout and details shown on the **DRAWINGS**.

*****END OF SECTION*****