



COLLIN COUNTY

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COLLIN COUNTY, TEXAS

ADDENDUM No. Two (2)

CSP No. 2020-303

COMPETITIVE SEALED PROPOSAL

FOR

CONSTRUCTION, ROAD: FRONTIER PARKWAY PAVING AND DRAINAGE IMPROVEMENTS

DATE: October 20, 2020

NOTICE TO ALL PROSPECTIVE OFFERORS:

PLEASE MAKE THE FOLLOWING CHANGES TO THE COMPETITIVE SEALED PROPOSAL.

ADD DOCUMENT: Technical Specifications

SINCERELY,
MICHELLE CHARNOSKI, CPPB
PURCHASING AGENT

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TECHNCIAL SPECIFICATIONS

FOR

FRONTIER PARKWAY

PAVING AND DRAINAGE IMPROVEMENTS



In Partnership With



Section TS1: Moisture Treated Subgrade

Section TS2:: Stone Facia for Traffic Rails

TECHNICAL SPECIFICATIONS
MOISTURE TREATED SUBGRADE

TS1-01 GENERAL

The work to be performed under this section of the specifications shall consist of constructing moisture treated subgrade as described herein and shall include all costs for material, labor, equipment, tools, accessories, and superintendence necessary for the moisture treatment of all areas to be receive reinforced concrete pavement, not including sidewalks.

TS1-02 PRODUCTS

The moisture barrier shall consist of a minimum of 10 mil polyethylene sheeting.

TS1-03 EXECUTION

Weathered shale material when encountered within five (5) feet below the bottom of pavement shall be sub-excavated to a depth of at least 4 feet below the bottom of the proposed flexible base material and replaced with on-site light brown or dark brown clays or other approved material.

Moisture treatment shall extend at least 4 feet beyond the edge of pavement or back of curb and to the depth as shown on the plans. The subgrade shall be moisture treated to 3 to 5 percentage points above optimum moisture content at a minimum of 95 percent Standard Proctor (ASTM D698).

Frequency of compaction testing shall not exceed one test for every three hundred linear feet 300' of pavement and shall alternate from left quarter point to center line to right quarter point for every layer of moisture treatment.

Moisture treated lifts for forty-eight inches (48") in depth shall not exceed sixteen inches (16") in thickness of the final compacted material.

All embankment requiring moisture conditioning treatment shall be treated for no less than the minimum depth shown on the plans up to a total six (6) feet in thickness. Embankment below the six-foot moisture treated subgrade shall be from 0 to 4 percentage points above optimum moisture.

Moisture treatment by injection is not an acceptable method to treat roadway subgrades.

The moisture barrier shall extend to at least six feet (6') beyond the back of curb and shall be at least twelve inches (12") under the edge of the flexible base material.

TS1-04 MEASUREMENT AND PAYMENT

Measurement of the area to receive moisture treatment shall be based on the outside (back-to-back) width of reinforced concrete pavement plus a total of eight feet (8'), four feet (4') on each side and shall be on per Square Yard (SY) basis. The moisture barrier shall not be measured for total area.

Payment for moisture treated subgrade shall be based on the "Plan Quantity" as shown in the bid schedule. Moisture barrier shall not be paid for separately and all costs shall be included in the price for moisture treated subgrade. The bid price provided shall be the total compensation for all material, labor, equipment, tools, accessories, and superintendence necessary to complete the work.

END OF SECTION

TECHNICAL SPECIFICATIONS
STONE FASCIA FOR TRAFFIC RAILS

TS2-01 GENERAL

The work to be performed under this section of the specifications shall consist of furnishing and installing stone fascia on C221 Modified Traffic Rails as described herein and shall include all costs for material, labor, equipment, tools, accessories, testing, and superintendence necessary for preparation of concrete and installation of the stone fascia.

TS2-02 PRODUCTS

The stone fascia shall be as exemplified by Coronado Stone Products, 3” Split Limestone and the color shall be Genoa Sands or as selected by the Owner. Any proposed substitution shall be submitted for review and approval by the Owner and Engineer. Coronado Stone Products specifications and installation requirements may be found at: www.coronado.com and the local distributor is located at 2025 Country Club Road, Carrollton, Texas, 75006, phone 888-567-2833.

TS2-03 EXECUTION

The stone fascia shall be installed strictly in accordance with the manufacturer’s recommendations for freeze-thaw environments. Concrete surface of traffic rail shall be prepared for installation of fascia stone as recommended. Stone fascia shall be installed on all exposed faces of the C221 Rail from ½” above finished concrete to the top of the rail.

Do not install the fascia stones vertically. Install the stones as described in a dry-stacked application. Blend the stone on the wall from several different boxes to ensure proper color and size variation. All accessories including but not necessarily limited to corners, wall caps and foundation weep screed shall be included to provide a professional appearance after installation. Mortar for scratch coat and other applications shall be a polymer-modified mortar meeting the ANSI A118.4 or ANSI 118.15 specifications for adhering in a freeze-thaw environment. Bonding tests shall be performed at least once for every 100 linear feet of rail on each face to assess adhesion and confirm proper bonding strength. Installation of fascia stones shall not bridge the joints between sections of C221 rail to allow for expansion or movement of the stone material. Installation in temperatures exceeding 90° F will require additional moisture to atone veneer and scratch coat.

Metal Railing on top of the C221 Traffic Rail shall be provided with anchor bolts that are 12” long to account for the additional thickness of stone fascia. Steel rail shall be painted as specified for the steel pedestrian rail.

TS2-04 MEASUREMENT AND PAYMENT

Measurement of the area to receive stone fascia for C221 Traffic Rail shall be based on the standard dimensions of exposed concrete surface times the length of rail and shall be on per square foot (SF) basis. There shall be no measurement for lengthened anchor bolts for the metal rail on the C221 Traffic Rail.

Payment for stone fascia shall be based on the “Plan Quantity” as shown in the bid schedule. Anchor bolts for railing shall not be paid for separately and all costs shall be included in the price for stone fascia. The bid price provided shall be the total compensation for all material, labor, equipment, tools, accessories, testing, and superintendence necessary to complete the work.

END OF SECTION