STATE OF DELAWARE
DEPARTMENT OF TRANSPORTATION
800 BAY ROAD
P.O. BOX 778
DOVER, DELAWARE 19903

JENNIFER COHAN
SECRETARY

VIA WEBSITE POSTING

November 8, 2017

Contract No. T200411901.01
Federal Aid Project No. ESTP-N018(10)
US 40 / SR 72 Intersection Improvements
New Castle County

Ladies and Gentlemen:

Enclosed is Addendum No. 4 for the referenced contract consisting of the following:

1. The Bid Proposal Cover, revised, to be substituted for the same page in the Proposal.
2. Special Provision 727507-Bridge Safety Fence, has been deleted and replaced with the updated Provision.

Please note the revisions listed above and submit your bid based upon this information.

Sincerely,

~signature on file~

Robert A. Kovacs
Competitively Bid Contracts Coordinator
Delaware Department of Transportation

Addendum No. 4
November 8, 2017

STATE OF DELAWARE

DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

CONTRACT T200411901.01

FEDERAL AID PROJECT NO. ESTP-N018(10)

CFDA NO. 20.205

US 40 / SR 72 Intersection Improvements

NEW CASTLE COUNTY

ADVERTISEMENT DATE: October 2, 2017

COMPLETION TIME: 1,047 Calendar Days

SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
DELAWARE DEPARTMENT OF TRANSPORTATION
AUGUST 2001

Bids will be received in the Bidder's Room at the Delaware Department of Transportation's Administration Building, 800 Bay Road, Dover, Delaware until 2:00 P.M. local time ~~October 31~~ ~~November 7~~ **November 14, 2017**

727507 - BRIDGE SAFETY FENCE

Description:

The work consists of furnishing all materials and constructing bridge safety fence in accordance with these specifications, notes and details on the Plans and as directed by the Engineer.

Materials:

All material shall meet the applicable requirements of Section 727 and shall be as noted below unless shown otherwise on the Plans:

Fabric shall be #9 Gage (3.76 mm Dia.) having a 1" Diamond Mesh with top and bottom selvage to be knuckled. Fabric shall be a continuous across all joints (Aluminum Alloy 6061-T94).

All posts, braces, fittings and hardware shall be Aluminum Alloy 6061-T6, unless noted otherwise on the Plans.

All base plates shall be Aluminum Alloy 6061-T6. Aluminum surfaces placed in contact with concrete shall be given a heavy coat of Aluminum Pigmented Alkaline Resistant Bituminous Paint equal to Federal Specifications TT-C-001079a.

Material for anchor bolts shall be ASTM. A276, Type 302 or A36 Steel may be used for the embedded portion.

Construction Methods:

Construction methods shall conform to the applicable requirements of Section 727 of the Standard Specifications, notes and details on the Plans, and as described herein.

All longitudinal rails shall be parallel to the top of parapet. All posts shall be set normal to the top of parapet for roadway grades 6% or less; and for grades over 6% posts shall be set plumb.

The chain link fence shall be true to line, taut and shall comply with the best practice for fence construction of this type. Parts and rails shall be permanently positioned before fabric is placed. Any defects uncovered during the process of inspection of welds on base plates and/or poles and/or elsewhere shall be repaired or replaced at the sole expense of the Contractor.

Method of Measurement:

The quantity of bridge safety fence will be measured in linear (feet)meters along the line of the fence from end to end. Any anti-climb shields or other appurtenances shall not be measured for payment but shall be included in the linear meter cost of the bridge safety fence.

Basis of Payment:

The quantity of bridge safety fence will be paid for at the Contract unit price per linear foot(meter). Price and payment will constitute full compensation for furnishing and placing all materials including posts, rails, anti-climb shields, all accessories; for all labor, tools, equipment and necessary incidentals to complete the work.

6/11/99

727507 - BRIDGE SAFETY FENCE

Description:

The work consists of furnishing all materials, fabricating, delivering, and constructing bridge safety fence in accordance with the notes and details on the Plans and Standard Construction Details, as directed by the Engineer, and as required by these Special Provisions. These Special Provisions were prepared as part of Contract T200411901.01.

Materials:

All material shall meet the applicable requirements of Section 727 and shall be as noted below unless shown otherwise on the Plans and Standard Construction Details.

Material for anchor bolts shall be ASTM A276/ A276M.

- The chain-link fence shall conform to the requirements of AASHTO M 181 and shall be as noted below:
- Chain-link fence must be Type 1 Class D galvanized steel.
- Fabric must be #9 gage having 1-inch diamond mesh with top and bottom selvage to be knuckled.
- Fabric shall be continuous across all joints.
- The fence post and rail shall be Schedule 80 steel pipe in accordance with the requirements of ASTM F 1083.
- Material for base plate shall be ASTM A 36, hot dip galvanized.
- Material for anchor studs shall be ASTM A 276. All anchor stud hardware must be stainless steel Type 304.
- Non-shrink grout shall meet the requirements of ASTM C 1107.

Construction Methods:

Construction methods shall conform to the applicable requirements of Section 727 of the Standard Specifications, notes and details on the Plans and Standard Construction Details, and as described herein.

All longitudinal rails shall be parallel to the top of headwall or wingwall. All posts shall be set plumb. All posts shall be set plumb. Precoated longitudinal rails, if cut, shall have the cut end coated with cold galvanizing touch up material supplied by the manufacturer prior to installation.

The chain link fence shall be true to line, taut, tight fit to top of wall (1/2" maximum gap) and shall comply with the best practice for fence construction of this type. Posts and rails shall be permanently positioned before fabric is placed. Any defects uncovered during the process of inspection of welds on base plates and/or posts and/or elsewhere shall be repaired or replaced at the sole expense of the Contractor.

Precoated longitudinal rails, if cut, shall have the cut end coated with PVC touch up material supplied by the manufacturer prior to installation.

The Contractor has the option of placing anchor studs during precasting or post-installing the anchor studs after the concrete cures. If the Contractor elects to post-install anchor studs, all holes for anchor studs shall be cored (not drilled) and the diameter of the cored holes for the anchor studs shall be 1/16" larger than the stud diameter. The Contractor shall ensure that the placement of the anchor studs does not conflict with and reinforcing steel in the wingwall or headwall so that coring does not damage same. Cored holes must be filled with grout after installation of anchor studs.

Method of Measurement:

The quantity of bridge safety fence will be measured as the number of linear feet along the line of the fence from end to end installed and accepted. Any anti-climb shields or other appurtenances shall not be measured for payment but shall be included in the linear foot cost of the bridge safety fence.

Basis of Payment:

The quantity of bridge safety fence will be paid for at the Contract unit price per linear foot. Price and payment will constitute full compensation for furnishing and installing all materials including posts, rails, fabric, anti-climb shields, and all accessories including anchor bolts in accordance with the Plans, these Special Provisions, and as directed by the Engineer. Price and payment will be full compensation for all labor, tools, equipment and necessary incidentals to complete the work.

11/8/2017