

OFFICE OF THE FULTON COUNTY ENGINEER

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February 14, 2025

ADDENDUM 1

FUL CR J 3.60 Bridge Repair X
(Bridge J23.2 Rehabilitation)

RE: Revised Unit Price Bid Schedule; Stay-in-place forms

1. The unit price bid schedule in the proposal pdf document had incorrect units from Reference Numbers 28 to 40. Please use and attach page 2 (Proposal page C2) of the unit price bid schedule to the proposal with the correct units. The units shown in Bid Express under the Bid Proposal Item List are correct.
2. Both Item 511, Class QC2 Concrete, Superstructure and Class QC1 Concrete, Abutment shall be "As Per Plan" items and reference the plan note on sheet 3 of 16 Item 511, Concrete, As Per Plan. The attached revised unit price bid schedule page 2 reflects this change in item description for Reference numbers 24 and 25. This change is also reflected in Bid Express under the Bid Proposal Item List.
3. Stay-in-place forms will be allowed utilizing the attached plan note.

End of addendum.

22	510	176	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	\$	\$
23	511	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN	\$	\$
24	511	247	CU YD	CLASS QC 2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN	\$	\$
25	511	20	CU YD	CLASS QC 1 CONCRETE, ABUTMENT, AS PER PLAN	\$	\$
26	512	68	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	\$	\$
27	512	12	SQ YD	TYPE A WATERPROOFING	\$	\$
28	513	1572	EACH	WELDED STUD SHEAR CONNECTORS	\$	\$
29	513	24	EACH	STRUCTURAL STEEL, MISC.: FIELD DRILLING HOLES	\$	\$
30	514	258	SQ FT	FIELD PAINTING, MISC.: COATING OF BEAM ENDS	\$	\$
31	516	74	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	\$	\$
32	516	3	SQ FT	1" PREFORMED EXPANSION JOINT FILLER	\$	\$
33	516	33	SQ FT	2" PREFORMED EXPANSION JOINT FILLER	\$	\$
34	516	68	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL, 705.11	\$	\$
				ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATES		
				(NEOPRENE), AS PER PLAN (12"X18"X1.946" PAD WITH 13"X19"X0.5" TOP PLATE		
				AND 13"X19"X1.5" BOTTOM PLATE AND HP SECTION)		
35	516	8	EACH	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	\$	\$
36	516	1	LUMP		\$	\$
37	517	380.88	FT	RAILING (TWIN STEEL TUBE)	\$	\$
38	518	455	FT	SPECIAL - STEEL DRIP STRIP	\$	\$
39	519	12	SQ FT	PATCHING CONCRETE STRUCTURE, AS PER PLAN	\$	\$
40	526	152	SQ YD	REINFORCED CONCRETE APPROACH SLABS	\$	\$
INCIDENTALS						
41	103	1	LUMP	PREMIUM FOR CONTRACT PERFORMANCE AND MAINTENANCE BOND	\$	\$
42	614	1	LUMP	MAINTAINING TRAFFIC	\$	\$
43	623	1	LUMP	CONSTRUCTION LAYOUT AND STAKING	\$	\$

TOTAL AMOUNT OF BID..... \$ _____

In submitting the Bid, the Bidder represents, that the Bidder has examined and carefully studied the Bidding Documents, and the other related data identified in the Bidding Documents, and the following Addenda, receipt of all, which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____

Respectfully submitted:

Attest: _____
Corporation Seal

_____ Company

Date

By Title

ITEM 511 – CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN

DESCRIPTION:

IN ADDITION TO THE WORK REQUIREMENTS OF 511, THE CONTRACTOR MAY EITHER PROVIDE TRADITIONAL BRIDGE DECK FORMS CONFORMING TO CMS 508 OR DESIGN, BUILD, PROVIDE, AND CONSTRUCT GALVANIZED STEEL STAY-IN-PLACE (SIP) FABRICATED METAL FORMS CONFORMING TO CMS 508 AND THESE ADDITIONAL REQUIREMENTS. THE COUNTY WILL NOT SEPARATELY PAY FOR SIP FORMS. THE COST OF THIS WORK, IF CHOSEN BY THE CONTRACTOR, SHALL BE INCLUDED FOR PAYMENT IN THE PRICE BID FOR ITEM 511. THE COUNTY WILL PAY NO EXTRA FOR ANY ADDITIONAL CONCRETE, REINFORCEMENT STEEL, OR STRUCTURE STEEL THAT MAY BE REQUIRED WHEN USING SIP FORMS. ANY ADDITIONAL COST AND/OR DESIGN ASSOCIATED WITH THE USE OF SIP FORMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE ADDITIONAL DEAD LOAD OF THE SIP FORM PLUS THE WEIGHT OF THE ADDITIONAL CONCRETE SHALL BE DETERMINED FROM THE REQUIRED BEAM SPACING AND DEPTH OF FORM. THIS LOAD WILL BE IN ADDITIONL TO THE LOADS AS SPECIFIED AS DESIGN LOADS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DESIGN, FABRICATION, AND INSTALLATION MODIFICATIONS TO THE BRIDGE COMPONENTS INCLUDING THE BRIDGE BEAMS OR GIRDERS, CAMBER DIAGRAMS, DECK SCREED TABLES, BRIDGE BEARINGS, AND SUSTRUCTURES. ALL PLAN MODIFICATIONS SHALL BE PREPARED AS PER 501. SIP FORMS WILL NOT BE PERMITTED AT OVERHANGS.

SUBMIT CONSTRUCTION PLANS ACCORDING TO 501.05.B.3. DESIGN SIP FORMS TO SUPPORT THE SELF WEIGHT OF SIP FORMS, REINFORCEMENT, WET CONCRETE FOR THE DECK, ANY CONSTRUCTION EQUIPMENT LOADS, AND AT LEAST A 50 PSF LOAD FOR CONSTRUCTION LIVE LOADS. MEET THE DEFLECTION REQUIREMENTS OF 508.

DESIGN SIP FORMS THAT HAVE THE DEPTH OF THE FORM CORRUGATION FILLED WITH CONCRETE.

INCLUDE THE FOLLOWING INFORMATION IN THE CONSTRUCTION PLAN:

- A. DESIGN CALCULATIONS.
- B. PHYSICAL PROPERTIES OF THE SIP FORMS (GAGE, SECTION MODULUS, WEIGHT, DEPTH, AND PITCH).
- C. CROSS SECTION VIEW AND DIMENSIONS OF: SIP FORMS, SUPPORT ANGLES, CHANNEL CLOSURES, SEFETY STOPS, CLIPS, PLATES, AND HARDWARE.
- D. INCLUDE AN OVERALL LAYOUT PLAN WITH:
 - 1. WORKING POINTS OR CONTROL ELEVATIONS NECESSARY TO SET SUPPORT ANGLES.
 - 2. TYPICAL AND SPECIFIC CROSS SECTIONS OR DETAILS: SUPPORT CONNECTIONS TO THE STRUCTURAL MEMBERS, SIP, FORM CONNECTIONS TO SUPPORTS, FORM LAPS, AND CLOSURE SECTIONS.
 - 3. MINIMUM BEARING LENGTHS (EDGE DISTANCES) OF SIP FORMS TO THE SUPPORT ANGLES.
 - 4. WELDING DETAILS: SIZE, LENGTH, LCOATIONS, ELECTRODES, AND PROCESS.

- E. WORKER SAFETY REGULATIONS.
- F. INSTALLATION INSPECTION CHECK LIST.

MATERIALS:

SUBMIT 501.06 TEST REPORTS AND WRITTEN ACCEPTANCE LETTERS TO THE ENGINEER. MATERIALS INSPECTION AND ACCEPTANCE IS PERFORMED BY THE ENGINEER AT THE PROJECT SITE. FURNISH FORM, SUPPORT MATERIALS, AND HARDWARE CONFORMING TO THE FOLLOWING:

- A. FORM AND SUPPORT MATERIAL, ASTM A653 HAVING A COATING DESIGNATION OF G235, AND CONFORMING TO THE MECHANICAL PROPERTIES THE DESIGN REQUIRES.
- B. PROVIDE DECK FORMS WITH A 2 INCH MINIMUM FORM DEPTH.
- C. PROVIDE MINIMUM MATERIAL THICKNESS AS FOLLOWS: SIP FORMS (20 GAGE), SUPPORT ANGLES (12 GAGE), AND SUPPORT BARS (12 GAGE).
- D. SUPPLY DECK, SELF DRILLING FASTENERS WITH CADMIUM PLATING PER ASTM B766 WITH MINIMUM THICKNESS OF 5 TEN THOUSANDTHS (0.0005 INCH). THE HEADS OF THESE FASTENERS WILL BE A HIGHLY VISIBLE COLOR, RED OR OTHER, TO AID INSPECTION.

WELDING:

DO NOT WELD SIP FORMS OR THEIR SUPPORTS TO THE STEEL BRIDGE MEMBERS. SIP SUPPORTS MAY BE WELDED TO ANCHORS CAST IN PRECAST CONCRETE BRIDGE MEMBERS. PERFORM WELDING PER 513.21.

INSTALLATION LIMITATIONS:

- A. FIELD CUT SIP FORMS WITH MECHANICAL CUTTING METHODS. THERMAL CUTTING IS NOT PERMITTED.
- B. PLACES FORMS ON FORM SUPPORTS. DO NOT INSTALL SIP FORMS DIRECTLY TO THE BRIDGE'S STRUCTURAL MEMBERS.
- C. ADJUST THE SCREED ELEVATIONS BY PRORATING THE CONCRETE DEAD LOAD DEFLECTION TO ACCOUNT FOR THE ADDITIONAL PERMANENT DEAD LOADS ASSOCIATED WITH THE CONCRETE FILLED STAY-IN-PLACE FORMS.
- D. SET THE HEIGHT OF THE FORM SUPPORTS TO DEVELOP THE ADJUSTED SCREED ELEVATIONS, DECK THICKNESS, AND PLAN PROFILE.
- E. PLACE SIP FORMS ON FORM SUPPORTS TO ACHIEVE MINIMUM BEARING LENGTH PER MANUFACTURER'S DESIGN.
- F. CONNECT SIP FORMS TO FORM SUPPORTS BEFORE USING THE SIP AS A WORKING SURFACE AND BEFORE THE END OF EACH WORK SHIFT.
- G. PROVIDE SAFETY STOPS TO ELIMINATE HAZARDS FROM SUDDEN UPLIFT AND LATERAL MOVEMENT. AFTER THE DECK CONCRETE MEETS THE LOADING REQUIREMENTS OF C&MS 511.17, REMOVE THE VISIBLE PORTION OF ALL SAFETY STOPS.

- H. COATINGS DAMAGED CAUSED BY MECHANICAL CUTTING OR FIELD WELDING NEED NOT BE REPAIRED UNLESS SPECIFIED BY THE SIP FORM MANUFACTURER.
- I. FILL THE ENTIRE FORM WITH CONCRETE.
- J. THE CONTRACTOR SHALL PROTECT INSTALLED SIP FORMS FROM ANY CLEANING SOLUTIONS, BLASTING, OR OTHER WORK OPERATIONS THAT MAY DAMAGE THE FORM COATING. FORMS THAT ARE DAMAGED FROM LACK OF PROTECTION SHALL BE REPAIRED OR REMOVED AS DIRECTED BY THE ENGINEER. IF DIRECTED TO REPAIR, THE DAMAGED AREAS SHALL BE METALIZED AS PER 516.03 AND SUPPLEMENTAL SPECIFICATION 845. ALL COST FOR THE REPAIR OR REMOVAL SHALL BE PAID BY THE CONTRACTOR.

INSPECTION:

THE ENGINEER WILL CHECK SIP MATERIALS MEET DESIGN REQUIREMENTS AND EVALUATE INSTALLATION BASED ON CONSTRUCTION PLANS.

BASIS OF PAYMENT:

THE COUNTY WILL NOT SEPARATELY PAY FOR SIP FORMS. THE COST OF THIS WORK IS INCLUDED FOR PAYMENT IN THE PRICE BID FOR THE ITEM FOR WITH THE SIP FORMS ARE USED.