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GOVERNOR

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
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WILLIAM D. ANKNER, Ph.D.
SECRETARY

February 16, 2009

STATE PROJECT NO. 450-30-0077
I-210 BRIDGE JOINT REPAIR (BRPM)
ROUTE I-210
CALCASIEU PARISH

SUBJECT: ADDENDUM NO. 1 (CONSTRUCTION PROPOSAL REVISION)

Gentlemen:

The following proposal revision dated 02/16/09 on the captioned project for which bids will be received on Wednesday, February 25, 2009 has been posted on <http://www.dotd.la.gov/cgi-bin/construction.asp>.

1. Revised the special provision entitled "S-102, Preformed Silicone Joint Sealing System". (2 pages)

Please note this revision in the proposal and bid accordingly. Mandatory electronic bidding is required for this project, and electronic bids and electronic bid bonds must be submitted via www.bidx.com for this letting date.

Sincerely,

RANDAL D. SANDERS, P. E.
CONTRACTS & SPECIFICATIONS ENGINEER

Attachments

cc: Mr. Brian Buckel
Mr. R. H. Hennigan
Mr. Donald Duberville
Mr. Danny Tullier
Mr. Masood Rasoulain

ITEM S-102, PREFORMED SILICONE JOINT SEALING SYSTEM: This item consists of handling, testing, preparing surfaces, placing and bonding a preformed silicone joint seal with adhesive to the steel end dam plates as indicated in the plans. Design quantities may be adjusted by the engineer to facilitate sealing of joints. Payment for this item will be based on plan quantities of materials to be installed.

Payment for preformed silicone joint sealing system will be made at the contract unit price per linear foot, which includes furnishing all materials, labor, tools and equipment necessary to complete the item.

The preformed silicone joint seal used for this item shall conform to the following specifications:

Property	ASTM Test Method	Value
Durometer (Shore A)	D 2240	55 +/- 5
Tensile Strength	D 412	550 psi. minimum
Elongation	D 412	350% minimum
Tear (die B)	D 624	80 ppi. minimum
Compression set at 350° 22 hrs	D 395	30%
Operating Temperature Range		-60° F to +450° F
Specific Gravity		1.51

The locking adhesive shall be a non-sag, high modulus silicone adhesive and shall conform to the following specifications:

Property	Test Method	Value
Sag / Flow	ASTM C 639	3/16" max.
Color	Visual	Black
Hardness	ASTM C 661	20-25
Tack free time	ASTM C 679	30 minutes max.
Cure through to 1/4 inch thickness	@750° F / 50% RH	5 minutes max.
Resistance to UV	ASTM C 793	No cracking, ozone chalking or degradation
Skim over time (tooling time)	@750° F / 50% RH	5 minutes max.
Peel adhesion to substrates	ASTM C 794	50 PLI

CYCLIC LOADING TEST: All formed-in-place Joint Sealing Systems shall be pre-qualified by undergoing and passing a Cyclic Loading Test conforming to the following requirements:

Test Sample Length	= 2 feet minimum
Joint Skew Angle	= 45°
Number of Cycles	= 200 minimum
Joint Opening	= 2 inches
Movement	= +/- 1 inch
Temperature	= -20° F

Any rips, tears, or bond failure will be cause for rejection.

WORK AND MATERIAL REQUIREMENTS:

1. The contractor shall install the RJ Watson Silicoflex Bridge Deck Joint Sealing System or approved equivalent under Item S-102, "Preformed Silicone Joint Sealing System".
2. The contractor shall contact the manufacturer of the silicone joint sealing system for proper installation methods and specifications before work can begin.
3. The contractor shall provide the project engineer with all manufacturer specifications and installation procedures for the silicoflex or equivalent joint seal before work can begin.
4. All joint openings must be field verified to be within the manufacturer's allowable installation width. The contractor shall examine the existing joint to determine the size of the silicoflex or equivalent joint seal required as per manufacturer specifications.

SURFACE PREPARATION: Surface preparation shall be in accordance with Subsection 805.06(2) along with this special provision.

The existing deck concrete or steel end dam plate surfaces shall be clean, dry and consist of no loose concrete prior to application of the adhesive. The adhesive shall be applied per the manufacturer's specifications.

Payment will be made under:

Item S-102, Preformed Silicone Joint Sealing System, per linear foot.