

FED. ROAD DIST. NO.	STATE	JOB PIECE NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
6	OKLA.	27050(04)	2017		

DESCRIPTION	REVISIONS	DATE

**BRIDGE AESTHETIC GENERAL NOTES FOR BRIDGE "C"**

**SPECIFICATIONS:**

This work consists of using penetrating color stain systems to stain various existing concrete surfaces on the Rogers Lane Bridge over US-62/1-44 and associated retaining walls. This work shall be in accordance with these specifications and in reasonably close conformance with the lines, grades and dimensions as specified in the plans. The Contractor shall field verify all dimensions prior to starting work.

The Manufacturer shall supply the Contractor the color stain system to affect the following concrete areas of the existing bridge. See component detail sheets for specific areas and dimensions.

- Inside, Outside & Top Faces of the Parapets on the Approach Slabs and Superstructure
- Edge & Underside of Superstructure Cantiliver
- Exterior Face Only of Box Beams
- Exposed Front Face of Abutments
- Wingwalls (Including Exposed Return Surfaces)
- Slope Walls
- Exposed Areas of Columns
- All Exposed Faces of East & West Retaining Walls (along US-62/1-44 in vicinity of bridge)

**CONCRETE STAIN:**

Existing concrete surfaces, as mentioned above, shall receive a solid color stain with a flat sheen. The colors are as follows:

- Beige (Federal Color ID No. 23717)
- Brown (Federal Color ID No. 10115)

The penetrating stain shall maintain the following minimum standards:

- Fungal Resistant per ASTM D3273
- Volume Solids: 28%
- Weight Solids: 43%
- Weight per Gallon: 10.5 lbs.
- UV Resistant
- Efflorescence Resistant

Application and surface preparation shall follow the manufacturer's instructions.

**WATER REPELLENT:**

The Contractor shall use a water repellent that conforms to Appendix A, Section 532 - "PENETRATING WATER REPELLENT TREATMENT" of the Standard Specifications. Water repellent shall be applied as specified in the notes and plans. Water repellent shall be applied after color staining operations.

**SURFACE PREPARATION:**

Work under this section shall include surface cleaning preparation to assure the surface is free of all latency, dirt, dust, grease, efflorescence, paint, and any foreign material prior to the stain application, in accordance with the Manufacturer's recommendations. The Contractor shall correct, at no additional expense to the Department, any surface problems created as a direct result of the surface preparation methods used.

The Contractor is advised that sandblasting will not be allowed for cleaning concrete surfaces. Pressure washing with water (minimum 3000 psi) is the preferred method of removing latent materials. If cleaned by pressure washing, a pressure of 3000 psi is a rate of three to four gallons per minute using a fan nozzle held perpendicular to the surface at a distance of one to two feet. The completed surface shall be free of blemishes, discolorations, and surface voids to the satisfaction of the Engineer.

**SPECIAL CONCRETE FINISH:**

All costs for the construction of architectural finishes, including concrete stain, water repellent, materials, labor, equipment, and incidentals shall be included in the price bid per Square Yard of "(PL) SPECIAL CONCRETE FINISH".

**CLEANING AND PAINTING BRIDGE METAL RAIL:**

Pay Item consists of cleaning and painting the metal handrailing attached to the concrete rails as specified in Section 512 of the Standard Specifications for a Category "E" application.

The paint system and application thereof shall be in accordance with Section 730 "Paint for Structural Steel" of the Standard Specifications. The paint shall be brown (Fed. Color ID No. 10115) in color and approved by the Engineer.

Collection and handling of the waste from the handrails shall be in accordance with Section 512 of the Standard Specifications for hazardous and non-hazardous waste.

All costs of cleaning and painting the handrailing including labor, materials, collection and handling of waste, and other incidentals shall be included in the price bid per Linear Foot of "CLEANING AND PAINTING BRIDGE METAL RAIL".

I-44 BRIDGES "A", "B" & "C"		COMANCHE COUNTY		DESIGN	BSB	04/13
				DETAIL	SJL	08/17
SUMMARY OF PAY QUANTITIES AND NOTES (BRIDGE) (SHEET 2 OF 2)				CHECK	BRT	08/17
				<b>GARVER</b>		
<b>STATE OF OKLAHOMA</b>		<b>DEPARTMENT OF TRANSPORTATION</b>				
		JOB PIECE NO. 27050(04)		SHEET NO. 17A		