

# Coquitlam River Bridge Art Design Guidelines

## Art Descriptions

Selected areas of the fencing will be available for artwork application. The artwork will be applied directly onto the fencing panels that incorporate Indigenous art design, using an industrial paint application suitable for outdoors use. The art panels will be shop-finished before being delivered to site for installation. They will be bolted onto a steel structural grid that is visible on the exterior side of the bridge. A paint/coating with anti-graffiti properties will be applied to ensure longevity and ease of maintenance.

The Project supports the creation of up to 2 designs in a repeating pattern for the interior facing design. Each pattern fits within the standard fencing panel size, measured 3.0m wide by 0.92m tall, painted on the interior facing sides. The patterns will be replicated throughout the length of the bridge. These patterns can be located at separate locations throughout the length of the bridge. They can also be placed side by side to create a larger art design. For the exterior facing sides, a large mural shall be painted. The design is currently under discussion with Kwikwetlem First Nation and it is subject to change.

Tables A and B below provide a summary of the fencing and art specifications. Some ideas of potential art panel placement are shown in Figure 1.

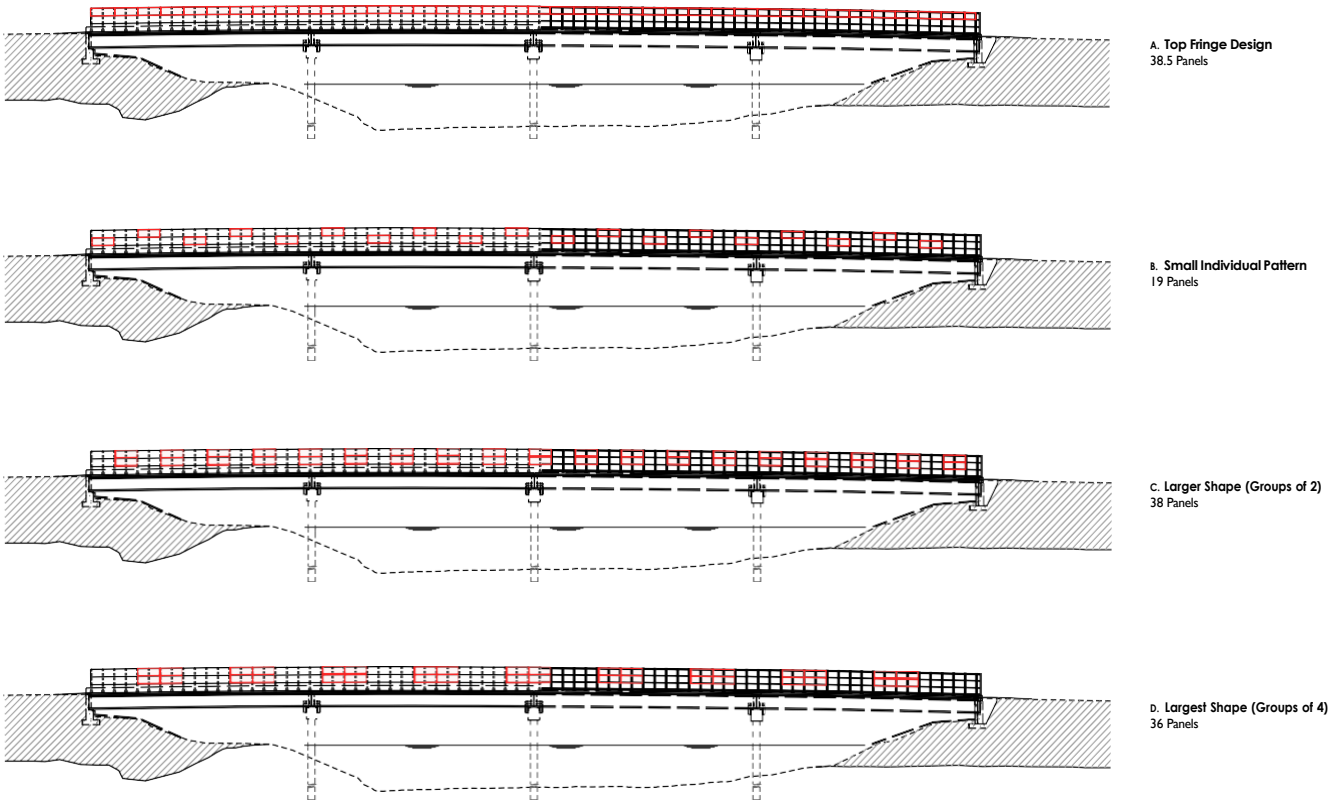


Figure 1: Potential Art Panel Layouts

**Table A. Fencing specifications**

	<b>Descriptions</b>	<b>Additional Notes</b>
Number of Fencing	2 (both sides of bridge)	
Length of Fencing	116.55 m (south side) 155.50 m (north side)	
Height of Fencing	2.85 m	
Total No. of panels per Fence	41 lengthwise by 3 height-wise, total 123	
Typical Panel Module Size	A0 and A4 Panels (south side): 2.025m x 0.92m per row, 3 rows in total A0 and A4 Panels (north side): 1.5m x 0.92m per row, 3 rows in total Inner Panels: 3.0m x 0.92m per row, 3 rows in total P2 Panels: 1.5m x 0.92m per row, 3 rows in total	Bottom row is not used for artwork.
Material of Fencing	Aluminum Grade 5052-H32, 9.5mm thick, prefinished with solid base colour.	
Fencing Finish	Prefinished neutral grey	
Vertical Structural Support (I- Sections) Spacing	1.5 m O.C.	Structures are hidden on the interior of the bridge, but visible on the exterior.
Horizontal Structural Support (HSS) Spacing	0.92 m O.C. centre row spacing; approximately 0.814m top and bottom row spacing.	Structures are hidden on the interior of the bridge, but visible on the exterior.
Structural Support Finish	Galvanized steel grey	

**Table B. Artwork specifications**












	<b>Descriptions</b>	<b>Additional Notes</b>
Artwork Material	Industrial grade enamel paint suitable for exterior use painted directly on top of the fencing panels	
Art panel size	Same as panel module size above	
Quantity of art panel	82 each side of bridge, double- sided. (164 both sides of bridge)	Top two rows only. Approx. 66% of total fence area.
Max. number of different patterns	Up to 2 for interior facing design, and a large mural for exterior facing design	

<p>Max. number of colours for each art panel</p>	<p>Interior facing or facing traffic: Up to 2 artwork colors and 1 neutral background color. Color restrictions due to traffic safety considerations (see below Art Design Considerations)</p> <p>Exterior facing: Up to 8 artwork colors and 1 neutral background color. No restrictions on colors. Artists shall coordinate with the Ministry to adjust color shade if there are maintenance or safety concerns.</p>	
--	--	--

## Art Design Considerations

- Artwork shall conform to the fencing panel dimensions.
- Artwork design and pattern shall not create a visual distraction.
- Artwork shall not include reflective or glaring surface finishes.
- Artwork facing the highway shall have no more than three colors (1 background color + 2 artwork colors). Artwork facing the highway shall avoid colors that are similar to those commonly used for traffic control devices at the discretion of Ministry of Transportation and Transit (MoTT) (see Table C). Acceptable colors are beige or grey tones.
- Please note: red is the most difficult color to maintain as its pigmentation fades quickly and is one of the most critical traffic related colors (indicating stop, do not enter or yield). Therefore, it is advised that red should be avoided from a maintenance and traffic safety perspective.

**Table C. Pantone Color Code for Traffic Control (Colors must not be close in shade to highway sign colors identified on the color board below)**

Pantone Colour Code	Hex Colour Code	Colour Swatch	Pantone Colour Code	Hex Colour Code	Colour Swatch
Yellow 116	FFC000		Green 342	006747	
Orange 152	E57200		Yellow-Green 382	C4D600	
Red 187	A6192E		Brown 469	693F23	
Pink 198	DF4661		Red-Colored Pavement 485	DA291C	
Purple 259	6D2077		Green-Colored Pavement 802	44D62C	
Blue 294	002F6C				

## **Design Submission Criteria**

The artwork will be added onto the fencing panel using spray application. A stencil will be created based on the artwork design to ensure paint colours are sprayed onto the right location.

The stencil is digitally fabricated by laser-cutting onto a two-dimensional surface, sufficiently rigid to span the size of the fencing panel. To help create the stencil, the artist shall prepare a digital vector file of the design and provide the file in DXF format.

Artists wishing to provide their design in a non-digital format (i.e. hand-drawing) will need to prepare the artwork in sufficient size and clarity so that the fabricator can scan the drawing and transfer it into a digital vector file format. The recommended size for a hand-drawn artwork is 60 cm wide x 20 cm tall, or 24 x 8 inches (per pattern). A multiple of the dimensions can be used if the artwork spans more than one panel.