

PAINTING NOTES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72B-01-13M	2013	29	34

1. Areas to be painted shall be as shown on the drawings. Areas include existing sound concrete surfaces, repaired concrete surfaces, and FRP wrapped surfaces.
2. Contractor shall be responsible for furnishing each paint material required. Paint materials will generally meet the following requirements.
- a. All materials shall be asbestos-free, lead-free, mercury-free, free of zinc-chromate and/or strontium-chromate, and cadmium-free.
- b. All materials shall be low or no VOC and shall not produce offensive odors.
- c. Paints shall be as manufactured by TYFO Fibrwrap Systems, ICI Paints, or pre-approved equal.
3. Schedule of finishes: (The following system listed below is manufactured by ICI Paints)

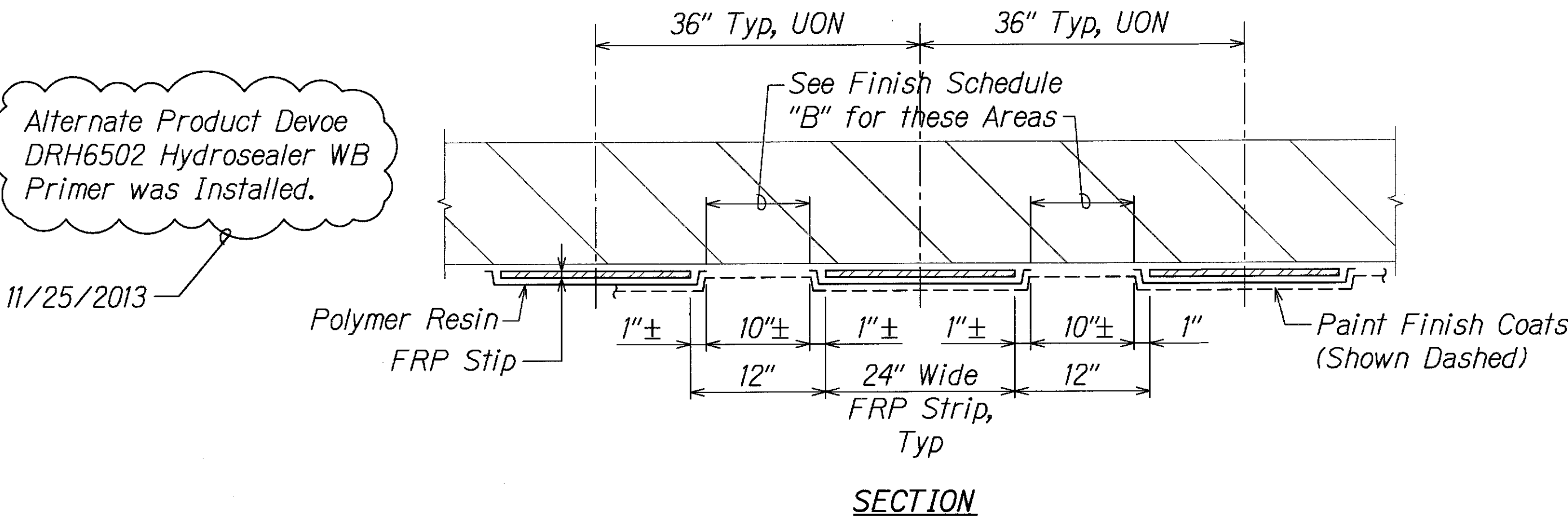
Schedule "A" - For exterior exposed concrete bridge structure (without FRP):	Minimum Dry Film Thickness (DFT)
a. Spot Prime Coat: Devoe DP24U935 Gardcote-WB Waterborne Epoxy Primer (over all new concrete repairs and abrasions)	2.0 mils per coat
b. One Prime Coat: Devoe DP24U935 Gardcote-WB Waterborne, Epoxy	2.0 mils per coat
c. Two Finish Coats: Devoe DR17XXN Wonder-Shield Exterior Acrylic Semi-Gloss	1.8 mils per coat

Schedule "B" - For deck slab soffit (without FRP):	
a. One Prime Coat: Devoe DRH6502 Hydrosealer-WB Primer	1.9 mils per coat
b. Two Finish Coats: Devoe DR17XXN Wonder-Shield Exterior Acrylic Semi-Gloss	1.8 mils per coat

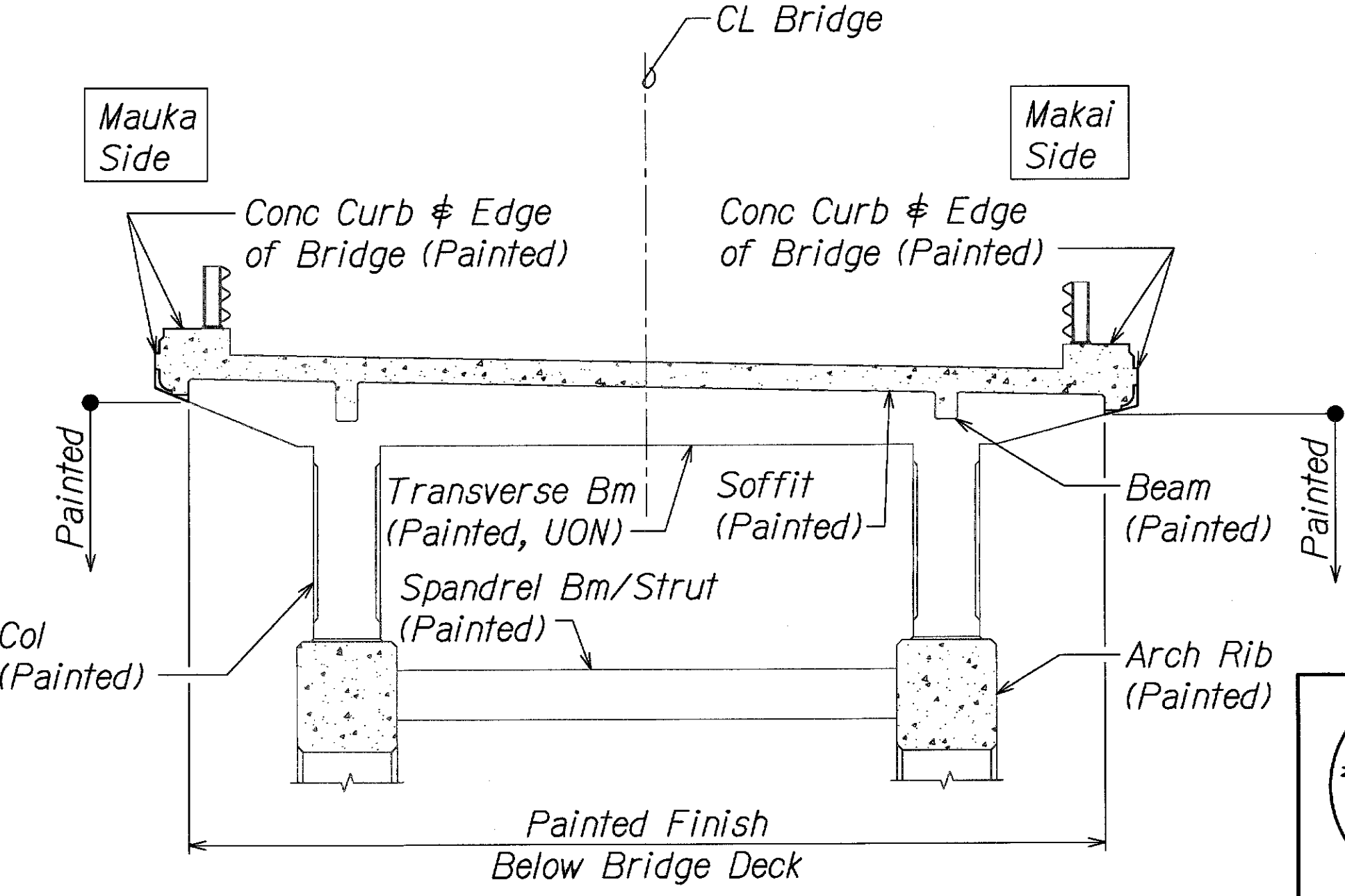
Schedule "C" - For FRP wrapped concrete surfaces:	
a. Two Finish Coats: Devoe DR17XXN Wonder-Shield Exterior Acrylic Semi-Gloss	1.8 mils per coat

4. Workmanship:
- a. Apply all materials in strict accordance with manufacturer's printed instruction using skilled mechanics.
- b. Concrete work and surfaces with cement wash shall be tested with litmus or phenolphthalein for presence exceeding that recommended by the coating/painting manufacturer.
5. Surface preparation:
- a. In general, follow paint manufacturer's directions for surface preparation for the paint to be applied.
- b. All surfaces shall be clean and free of contamination. Provide pressure wash where possible.
- c. Spot prime all repaired concrete areas with specified primer.
- d. For finish coats over FRP Composites that have been allowed to cure for more than 72 hours, surface must be roughened for proper bond by light sanding or sandblasting.
6. Paint application:
- a. All work shall be done in a workmanlike manner by skilled and experienced mechanics, and shall conform to the best painting practices. Use only applicators trained and certified by the paint manufacturer.

- b. All materials shall be applied in accordance with manufacturer's specifications.
- c. Application shall be by brush or roller only.
- d. Color of finish coat shall match existing bridge color (unpainted concrete) as close as possible to the satisfaction and acceptance of the State.
7. Inspection: All areas shall be provided for inspection of the work by the Engineer at any time. Any work not conforming to the drawings and specifications shall be cleaned off and repainted at the expense of the Contractor.
8. Clean-up: The grounds about the areas to be painted shall be left clean and orderly at end of each work day. Upon completion of work, staging, scaffolding, containers and all other debris shall be removed from the site, and the entire jobsite left clean and acceptable.

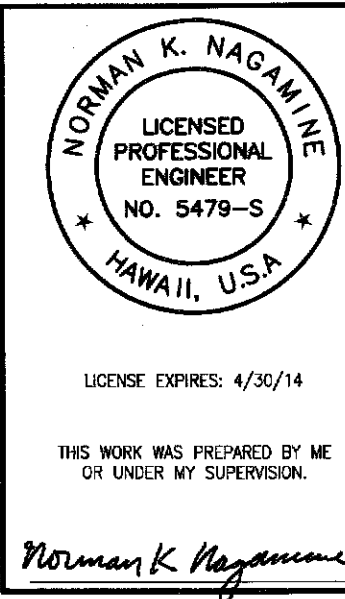


1  
S-26 S-26  
Not to Scale



2  
S-26 S-26  
Not to Scale

LEGEND FOR AS-BUILT POSTINGS	
~~~~~	Squiggly line for as-built deletion
==00-00==	Double line for as-built deletion
Roadway	Text for as-built posting



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**PAINTING NOTES**

**KALANIANA'OLE HIGHWAY**  
**Emergency Repairs of Ihiihilauea Bridge**  
**Project No. 72B-01-13M**

Scale: None Date: Jan. 16, 2013

SHEET No. S-26 OF 26 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTES	
NO.	