

**State of Rhode Island
Division of Purchases
CR-36
Addendum #3
6/13/13**

Question received in response to CR-36

Question:

Will an alternate paint process be considered such as using a polyvinylidene fluoride (PVDF) coating in lieu of powder coated paint? Like powder coating, the PVDF process involves atomizing the product into a mist then curing via a heating process into a continuous film. The PVDF resin is sprayed as a liquid rather than a powder prior to the curing process. There are several standards for PVDF coating, including the most stringent and durable PVDF standard, AAMA 2605-05. A multi-stage cleaning and chromate pre-treatment process is used to remove residual oxides, organic and inorganic soils from the surface so the PVDF will firmly adhere to the base aluminum and requires that it be applied by a licensed formulator. The AAMA 2605-05 standard has a warranty of 10 years.

Response to Question:

RIDOT has revised this requirement to clarify, and believe this question is no longer applicable. See remainder of this addendum.

Revisions to CR-36

Revision #1

On Page 10 of CR-36, Requirement #16 ("All metal components shall be protected...") should be deleted in its entirety and replaced with the following new requirement:

16. All metal components shall be resistant to rust, corrosion and degradation due to their use in a roadside environment. Front-facing LED panels and border pieces shall be protected by a black coating that meets or exceeds AAMA 2605. All other housing surfaces and mounting brackets shall be natural, mill-finish aluminum, unless otherwise specified by the project.

Revision #2

On Page 24 of CR-36, Requirement #16 ("All metal components shall be protected...") should be deleted in its entirety and replaced with the following new requirement:

16. All metal components shall be resistant to rust, corrosion and degradation due to their use in a roadside environment. Front-facing LED panels and border pieces shall be protected by a black coating that meets or exceeds AAMA 2605. All other housing surfaces and mounting brackets shall be natural, mill-finish aluminum, unless otherwise specified by the project.

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Clarifications to CR-36

Clarification #1

This Continuous Recruitment #36 is intended to prequalify DMS and PVMS manufacturers to provide signs to be installed on RIDOT highways for future contracts yet to be determined. As such, CR-36 provides typical requirements for sign products that may be specified or requested to be purchased in the future. However, the final specifications and requirements (e.g., size of message board) will be determined according to the needs of each individual contract and may or may not match these requirements exactly.

Clarification #2

For demonstration purposes, vendors are required to provide sample product to demonstrate that the manufacturer can meet or exceed RIDOT's requirements for sign products. These demo units do not have to match the full size, installed product that is specified in CR-36, but must be functionally equivalent to demonstrate the many characteristics (e.g., color, pixel spacing), functions (e.g., message types, graphics), and compatibility (e.g., fully controlled by the TMC's control system software) to qualify the vendor for approval under this CR-36.