

ITEM 556.02040116 - STAINLESS STEEL CLAD REINFORCEMENT

DESCRIPTION

This work shall consist of furnishing and installing Stainless Steel Clad Reinforcement in accordance with the contract documents and as directed by the Engineer.

MATERIALS

The stainless clad reinforcement shall conform to AASHTO MP 13M. Acceptance will be based on the manufacturer's certification that the product conforms to this specification, or at the discretion of the Department based on sampling and testing in accordance with the procedural directives of the Materials Bureau. The fabricator of the reinforcement must meet the requirements established by the Materials Bureau to qualify for the Approved List for stainless steel bar fabricators. *Buy America requirements apply.*

CONSTRUCTION DETAILS

Section 556-3 of the Standard Specifications shall apply, including those parts pertaining to stainless steel reinforcement, and the following:

Stainless steel clad bar shall not be flame cut, welded, or connected with mechanical connectors.

When handling stainless steel clad bars, care shall be exercised to avoid damage to the bundles.

Equipment for handling stainless steel clad bar shall have protected contact areas.

Stainless steel clad bar shall be stored off the ground on protective cribbing, and timbers placed between the bundles when stacking is necessary. Space supports sufficiently close to prevent sags in the bundles.

Stainless steel clad bar shall be stored separately from regular steel.

Cut ends of stainless clad bars shall be epoxied and capped according to manufacturer's recommendations with either stainless steel caps or plastic caps. Caps shall be sealed to prevent the intrusion of moisture. In-place stainless steel clad bars shall be inspected for damage prior to placing concrete. Bars which exhibit active corrosion shall be evaluated. In-place stainless steel clad bars shall be inspected for damage prior to placing concrete. Bars which exhibit active corrosion shall be evaluated. Bars which have damage exceeding two percent of the surface area in any 300 mm length shall be replaced.

METHOD OF MEASUREMENT

This work will be measured as the number of kilograms of Stainless Steel Clad Reinforcement satisfactorily furnished and installed.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.