

ITEM 582.9901 16 - EMBEDMENT OF CUSTOM GALVANIC ANODES

DESCRIPTION:

This work will consist of embedding galvanic anodes and testing for electrical conductivity at locations indicated in the contract documents.

MATERIALS:

- A. Embedded galvanic anodes shall be custom shaped, pre-manufactured, and consist of electrolytic High Grade Zinc in compliance with ASTM B 418-95a Type 1, cast around a steel tie wire, or wires, and encased in a highly alkaline cementitious shell as manufactured under the trademark "Galvashield Custom Anodes" supplied by Vector Corrosion Technologies, Inc.; www.vector-corrosion.com, or an approved equal as approved by DCES.
- B. Reinforcement steel tie wire shall be 1.5-mm wire gauge or heavier, un-coated, black annealed wire, meeting the requirements of ASTM A 82-97a.
- C. Electrical sealant shall be as specified by the anode manufacturer.
- D. Grout shall be as specified by the anode manufacturer.

CONSTRUCTION DETAILS:

The size and design service life of the anode shall be as specified in the contract documents.

The Contractor shall embed Galvanic Anodes where indicated on the plans or where directed by the Engineer.

Embedment methods shall be as specified by the anode manufacturer and shall be approved by the DCES.

METHOD OF MEASUREMENT:

This work will be measured as the number of galvanic anodes embedded in accordance with the contract documents or as directed by the Engineer.

BASIS OF PAYMENT:

The unit price bid per galvanic anode shall include all material, equipment, and labor necessary to embed, connect, test the anode, seal the splice and/or connection, and grout the connection. Payment for concrete removal necessary to create a continuity connection, will be paid for under this item as shown in the contract documents. Payment for removal and replacement of existing structural concrete and/or grout shall be paid for under their respective items as shown in the

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contract documents.