

543.4.01 Limits**A. Lump Sum Inclusions and Exclusions**

The lump sum includes payment for superstructure elements and substructure caps.

The lump sum does not include the cost of piling portions embedded in the substructure caps as shown on the Plans.

B. Concrete Bent Measurement

Where foundation conditions require the use of a concrete bent instead of a trestle pile bent, concrete and reinforcement steel below the bottom of the substructure cap will be measured and paid for according to Section 500, Section 511, and Section 211.

543.5 Payment

This work will be paid for at the Contract Unit Price bid. Payment will be full compensation for furnishing all materials and completing the Item according to these Specifications.

Payment will be made under:

Item No. 543-1100	Construction of bridge complete to bottom of cap	Per lump sum
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543.5.01 Adjustments

Statements for partial payment include:

Item	Payment
Caps, each	20% of Item 543 divided by number of caps
Superstructure, per span	80% of Item 543 divided by number of spans

Section 544—Deck Drain System**544.1 General Description**

This work includes furnishing deck drainage systems according to Plan details.

544.1.01 Definitions

General Provisions 101 through 150.

544.1.02 Related References**A. Standard Specifications**

Section 645—Repair of Galvanized Coatings

Section 870—Paint

B. Referenced Documents

General Provisions 101 through 150.

544.1.03 Submittals

Submit complete detail Shop Drawings for the deck drain system to the Engineer for approval.

If the deck drain system is for a railway, the Engineer will submit the Shop Drawings to the Chief Engineer of the railway company for approval.

In either case, obtain approval from the Engineer prior to fabrication or installation.

544.2 Materials

Use materials that meet Plan requirements. Use commercial-grade steel hardware (clips, brackets, bars, etc.) unless otherwise noted on the Plans. Use galvanizing repair compound that meets the requirements of Section 870.

544.2.01 Delivery, Storage, and Handling

General Provisions 101 through 150.

544.3 Construction Requirements**544.3.01 Personnel**

General Provisions 101 through 150.

544.3.02 Equipment

General Provisions 101 through 150.

544.3.03 Preparation

General Provisions 101 through 150.

544.3.04 Fabrication

General Provisions 101 through 150.

544.3.05 Construction

Repair damaged galvanized areas according to Section 645.

Install deck drain systems according to the Plans.

544.3.06 Quality Acceptance

General Provisions 101 through 150.

544.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

544.4 Measurement

This work is not measured separately for payment.

544.4.01 Limits

General Provisions 101 through 150.

544.5 Payment

This work will be paid for at the Contract Price for deck drain system complete in place.

Payment will be made under:

Item No. 544	Deck drain system—bridge no.____	Per lump sum
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544.5.01 Adjustments

General Provisions 101 through 150.

Section 547—Pile Encasement**547.1 General Description**

This Item includes furnishing all labor, materials, equipment, and services necessary to clean and encase steel piles as indicated on the Plans. Complete all work according to this Specification and to the Engineer's satisfaction.

547.1.01 Definitions

General Provisions 101 through 150.

547.1.02 Related References**A. Standard Specifications**

Section 500—Concrete Structures