

63000035 BACK SIDE PROTECTION OF GUARDRAIL (LCDOT)

Effective: April 29, 2021

Revised: November 15, 2022

Description: This work shall consist of furnishing and installing a grey composite timber rub rail on a steel plate beam guardrail as shown on the LCDOT standard detail LC6625.

Materials:

- A. *The bolts and nuts for connections shall be according to Article 1006.25 of the “Standard Specifications”.*
- B. *Threaded concrete anchors embedded in concrete shall provide a minimum pull-out strength of 5,000 pounds.*
- C. *The composite timber shall be of the sizes shown on the plans and shall be supplied from one of the following manufacturers, in the color listed, or an approved equal:*

- 1) *Engineered Plastic Systems, LLC
885 Church Road
Elgin, IL 60123
PH: 800-480-2327
Fax: 847-289-8382
www.epsplasticlumber.com
Required Manufacturer’s Color: GREY*

- 2) *American Plastic Lumber
PO Box 514
Shingle Springs, CA 95682
PH 530-677-7700
Toll Free 1-877-677-7701
Fax 530-677-6718
www.american-plasticlumber.com
Required Manufacturer’s Color: GREY*

- 3) *American Composite Timbers, Inc.
366 Veterans Memorial Highway
Commack, NY 11725
Phone: 631.543.9200
Fax: 631.543.5899
info@compositetimbers.com
Required Manufacturer’s Color: GREY*

A sample of the composite timber in both size and color shall be submitted to the Engineer for approval prior to ordering the material. The Engineer is the sole judge of what is an equivalent substitution.

General: Installation of the rub rail shall be according to the applicable portions of Section 630 [Steel Plate Beam Guardrail] of the “Standard Specifications”, LCDOT standard detail LC6625, details in the plans, and the manufacturer’s recommendations. Bolts shall not be over tightened. The composite timber shall be allowed expansion and contraction movement through the slotted bolt holes.

Method of Measurement: BACK SIDE PROTECTION OF GUARDRAIL will be measured for payment in feet along the top of the installed rub rail.

Basis of Payment: This work will be paid for at the contract unit price per foot for BACK SIDE PROTECTION OF GUARDRAIL. *The unit price shall include furnishing and installing the rub rail, including all rail connections, bolts, nuts, composite timber, and applicable end treatments at concrete parapets or wingwalls as shown in LCDOT standard detail LC6625. The unit price shall also include all equipment, materials and labor required to install the rub rail.*