This design is intended to be used to upgrade bridge terminal assemblies utilizing "78" (600 x 600) Bridge parapets as effect from 1979 to 1989. This assembly design is approved to NCHRP Report 350, Test Level 3.

This guardrail transition is only appropriate for connection to a vertical concrete and it should not be connected directly to a concrete safety shape or single slope shape. If it is attached to a vertical concrete wall, it will not be adequately reinforced to resist the lateral and longitudinal forces transmitted through the terminal connectors. If the height of the terminal connector is less than 2.5 m / 8.125 ft, use bridge terminal assembly, Type 1 (SCD GR-1).

This design utilizes a lower rail rubrail, and it cannot be used if there is a curb present.

Rubrails: The rubrail is a 0.06 in. 3.11 mm standard W-Beam rail element. The last 3 feet of the rail may be shop bent to facilitate field installation. Field drill rubrail holes at Post 6.

Possible Attachments: Posts 1, 2, 3, 4, and 6 require a 3.15 in. Dia. hole to attach the lower block and/or rubrail. Do not bolt nested Rubrail or Rubrail to Posts and Blockouts on Posts No. 1, 2, 3, 4, and 6. Bolt blockouts directly to posts at those locations.

Center drill wood block for rubrails to sit squarely on Posts 1 through 6. Secure block to Posts No. 1, 2, 3, 4, and 6 with 5/8 in. carriage bolts. See WOOD BLOCK FOR RUBRAIL Detail.

Use Wood posts only. Steel or plastic blockouts are not permitted. Use of rectangular plate washers is optional.

Guardrail: The guardrail is a 12'-6" (3.81 m) standard 12 ga. W-Beam rail element. The last 3 feet of the rail may be shop bent to facilitate field installation. Field drill guardrail holes at Post 6.

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