CONSTRUCTION NOTES:
Rail anchorage details may be field bent as required to clear rail reinforcing or provide minimum cover shown on standard rail detail sheets. DS beam rail anchorage hardware embedded in the beams must be provided by the beam fabricator and reflected in the DS beam shop drawings. Round or chamfer all exposed edges of steel shims by grinding prior to galvanizing. Provide steel shims conforming to ASTM A36.

MATERIAL NOTES:
Galvanize all steel components of steel rail system. Provide Grade 40 reinforcing steel. Epoxy coat or galvanize reinforcing steel shown on this standard, if rail reinforcement is epoxy coated or galvanized. Provide steel shims conforming to ASTM A36.

GENERAL NOTES:
Designed in accordance with AASHTO LRFD Specifications. This standard is for use with structures with a 2" Min two course surface treatment and ACP overlay. See Span Details for estimating two course surface treatment and ACP overlay thickness due to camber and to aid in making adjustments to anchorage projection lengths. See Rail standard sheets for approved speed restrictions, notes and details not shown.

Two course surface treatment and ACP overlay thickness varies due to beam camber (2" minimum). Place additional #4 longitudinal bar. Bar embedded in beams must be provided by the beam fabricator, included as part of racing reinforcement. Bar shown is required to control alignment of rail anchorage steel. Bar shown may be placed outside of beam at the fabricator's option and removed prior to shipping.

See Rail standard for projection from finished grade or top of sidewalk. Bar length shown on rail standard, increased 2" minimum for overlay (varies due to beam camber) or adjust bar length for a raised sidewalk. On bridges with significant beam camber, variable length rail anchor bars may be required to maintain adequate projection into rail. See optional rail anchorage details for some rails that offer optional anchorage with a constant bar length.

Galvanize all steel components of steel rail system. Provide Grade 40 reinforcing steel. Epoxy coat or galvanize reinforcing steel shown on this standard, if rail reinforcement is epoxy coated or galvanized. Provide steel shims conforming to ASTM A36.