Index 851 Bridge Pedestrian/Bicycle Railing (Steel) (Rev. 07/15)

Design Criteria

See Instructions for ***Design Standards*** Index 852.

Design Assumptions and Limitations

Bridge Pedestrian/Bicycle Railing is limited to use on bridges with expansion joint thermal movements not exceeding 5". Scheme 3 is limited to bridge retrofit applications where additional sidewalk width is required.

See Instructions for ***Design Standards*** Index 852 for additional information.

Plan Content Requirements

In the Structures and/or Roadway Plans:

Provide railing layout Control Drawings to show post spacing, curb joint, V-groove, deck joint, expansion joint locations and Scheme number. Label railing by name or Index number.

For existing bridge retrofits special end treatment details may be required for perpendicular or flared wingwalls at Begin and End Bridge. Provide existing railing removal details when required.

When either Index 851 or 861 are acceptable, include cross references to both indexes and use Pay Item 515-2-1BB as appropriate.

Payment

Item number	Item description	Unit Measure
515-2-1BB	Pedestrian / Bicycle Railing, Non Specified, 42" (Type__)	LF
515-2-1BB	Pedestrian / Bicycle Railing, Non Specified, 48" (Type__)	LF
515-2-2BB	Pedestrian / Bicycle Railing, Steel Only, 42" (Type__)	LF
515-2-2BB	Pedestrian / Bicycle Railing, Steel Only, 48" (Type__)	LF

Include concrete and reinforcing steel quantities for the concrete curb (Scheme 2) in the bridge deck plan quantity pay items.