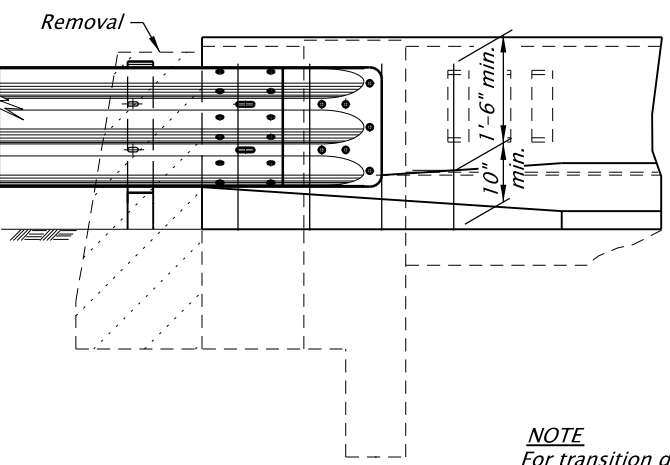
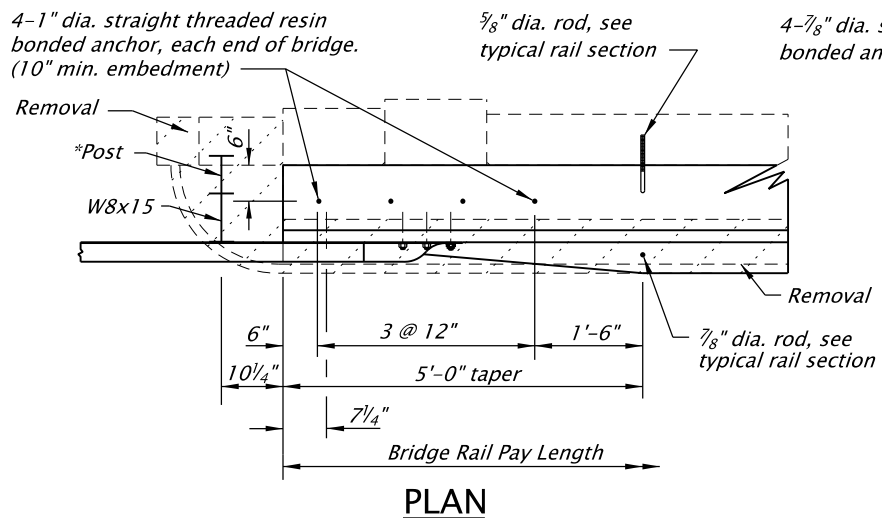
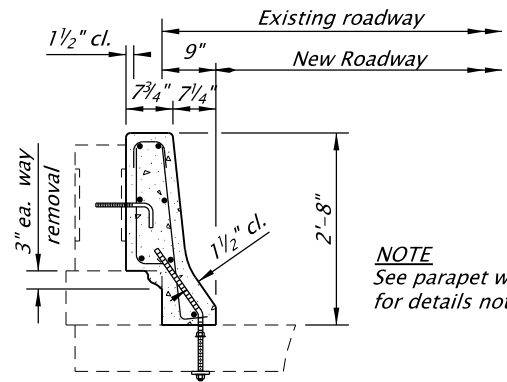


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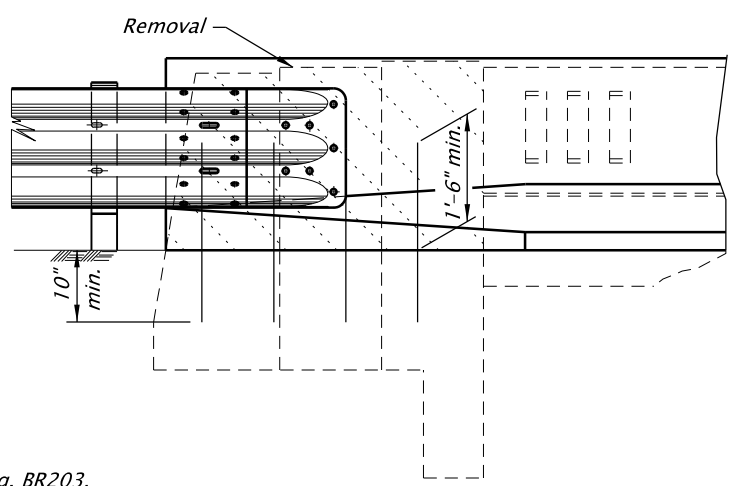
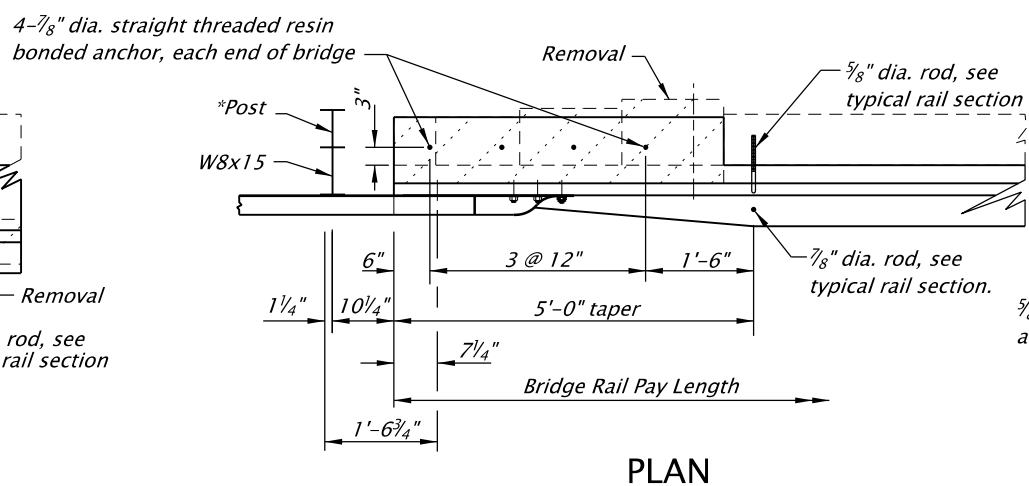


ELEVATION
TRANSITION RAIL DETAIL
For Existing Parapet with 1'-6" Curb

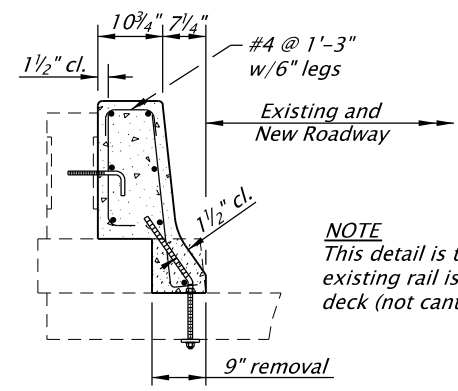


EXISTING PARAPET with 6" CURB

NOTE
For transition details not shown, see dwg. BR203.
Remove existing rail over end post to elevation top of deck.
*See dwg. BR203 (NOTE 3 and SECTION D-D)

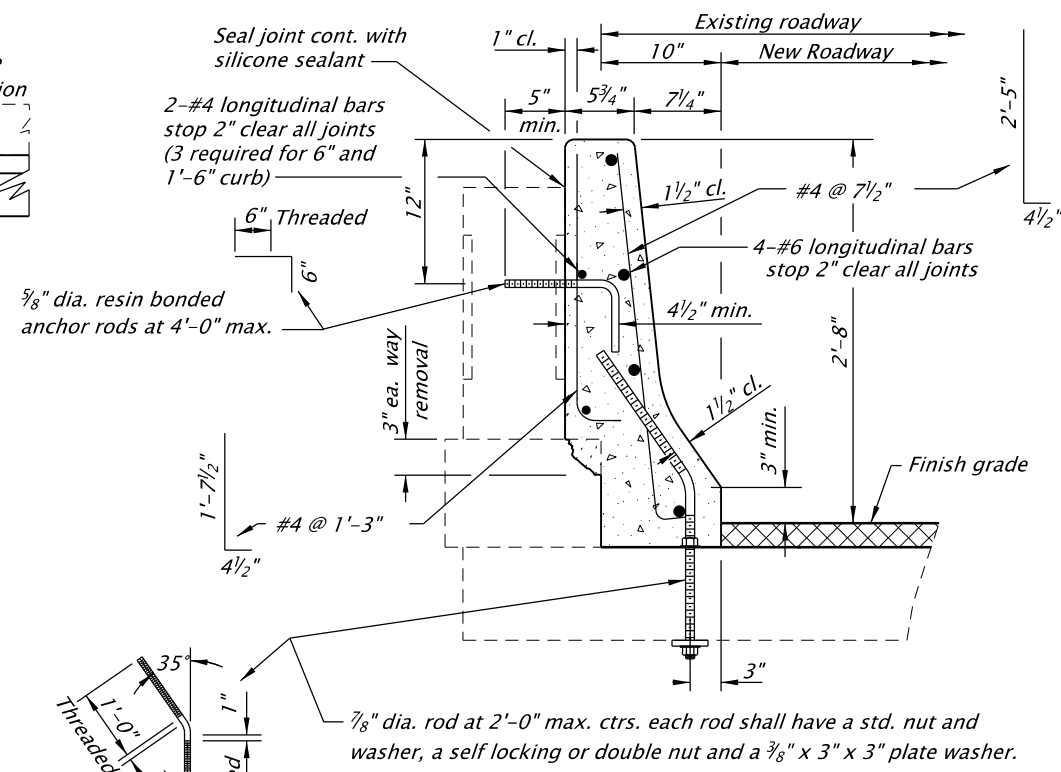


ELEVATION
TRANSITION RAIL DETAIL
For Existing Parapet with 3" or 6" Curb



EXISTING PARAPET with 1'-6" CURB

NOTE
This detail is to be used where the existing rail is fully supported by the deck (not cantilevered).



EXISTING PARAPET with 3" CURB

NOTE
See dwg. BR200 for details and reinforcing dimension details not shown.
Place anchor rods 9"± each side all joints and add one extra anchor rod each side each joint.
Drill (rod dia. + 1/8") dia. holes for thru anchor rods with low-impact rotary drill.
For concrete depth 10" or more (or when directed by the engineer) resin bonded anchor rods may be used. Nuts and washers are not required for resin bonded anchors.

GENERAL NOTES
Provide all reinforcing steel conforming to ASTM Specification A706, or AASHTO M31 (ASTM A615) Grade 60.
Place all bars 1 1/2" clear of the nearest face of concrete unless shown otherwise.
Provide all concrete Class 3300-1 1/2 or 3/4 unless shown otherwise.
Provide all structural steel conforming to AASHTO M183 (ASTM A36).
Provide all anchors rods conforming to AASHTO M314, Gr36 (ASTM A307).
Provide and install resin bonded anchors according to ODOT Specification 00535.
Hot-dip galvanize all structural steel, anchor rods and hardware after fabrication.
Roughen, clean and saturate all surfaces with water immediately prior to concrete placement.
Field verify existing dimensions before fabrication of anchors.
Equally space scoring joints between open or expansion joint and Type "B" joints at bents (see dwg. BR200).

Accompanied by dwgs. BR200, BR203

<i>The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.</i>	 OREGON DEPARTMENT OF TRANSPORTATION TECHNICAL SERVICES DETAILS	
	TYPE "F" CONCRETE RAIL RETROFIT OF EXISTING PARAPET RAIL	DETAIL NO. DET3283