Standard Drawing Guidance
(do not show on plans):
Modify standard drawing details as required.
1. Compute factored Design Force

Use Poly Jetted Fiber Reinforced Polymer Reinforcement ... sq. foot

2. Add following note to Expansion Bent Details.
"Protective Coating - Concrete Beams and Piers (Epoxy or Urethane) shall not be applied on the FRP system."

FRP System

PART ELEVATION

FRP REINFORCEMENT AT INT. BENT NO. X

Notes:
Design Force is the factored shear force \( [1.1 (L_1 + 0.75 (L_2 + 0.75 L_3))] \) in any cross section in each design region that shall be resisted entirely by the Fiber Reinforced Polymer (FRP) reinforcement. See Special Provisions.

BENT CAP SHEAR STRENGTHENING USING FRP REINFORCEMENT