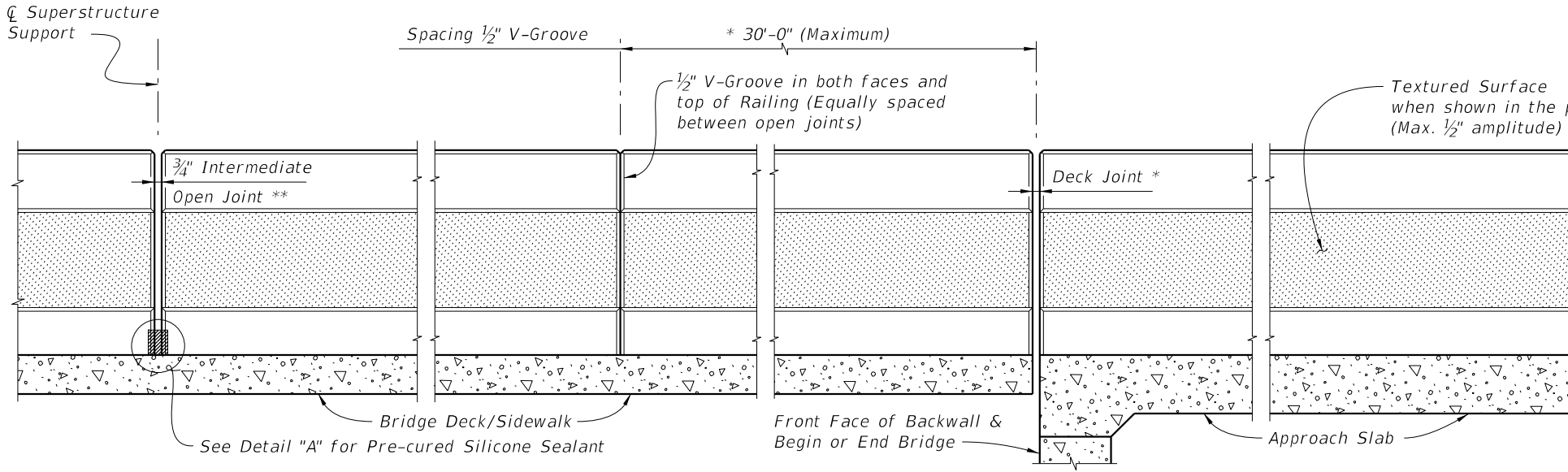
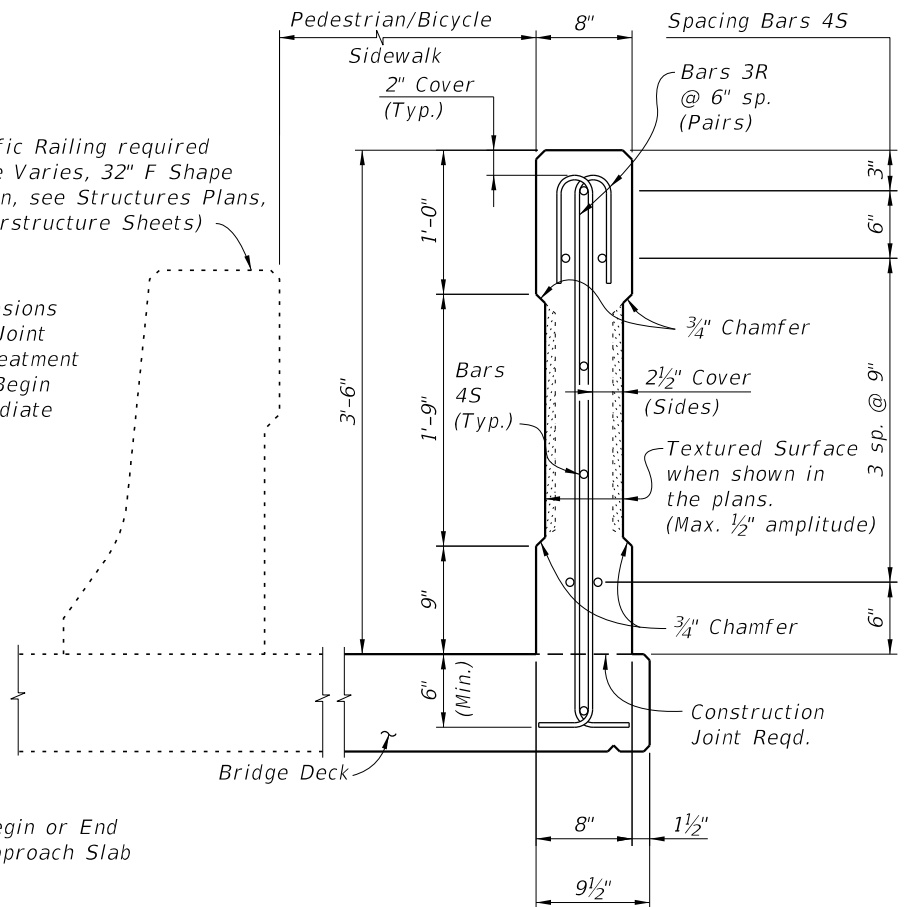
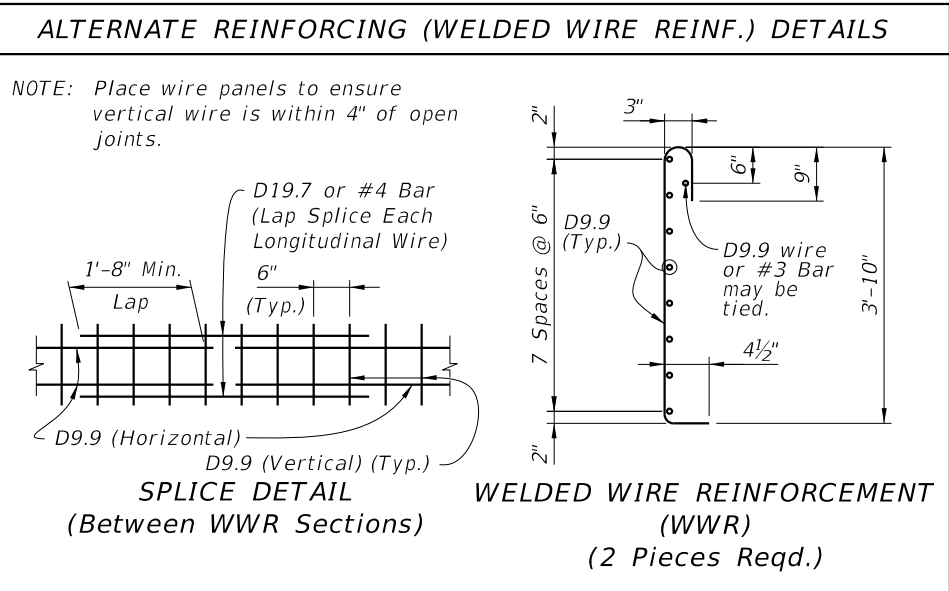
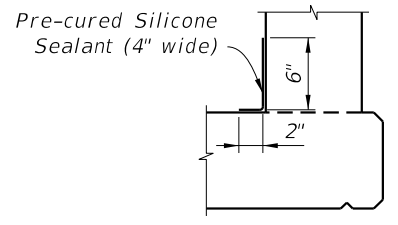


* See Structures Plans, Superstructure Sheets for actual dimensions and joint orientation. Open Railing Joints at Deck Expansion Joint locations shall match the dimension of the Deck Joint. For treatment of Railings on skewed bridges see Index 420. Deck Joint at Begin Bridge or End Bridge shown. Deck Joint at \bar{C} Pier or Intermediate Bent similar.



** 3/4" Intermediate Open Joints shall be provided at locations coinciding with 3/4" Joints for the Traffic Railing.

- RAILING NOTES:**
- Railing shall be placed vertical and top surface shall be level transversely.
- INTERMEDIATE JOINT SEAL NOTES:**
- At Intermediate Open Joints, seal the lower 6" portion of the open joint with Pre-cured Silicone Sealant in accordance with Specification Section 932.
 - Apply sealant prior to any Class 5 Finish Coating and remove all curing compound and loose material from the surface prior to application of bonding agent.
 - The cost of the Pre-cured Silicone Sealant shall be included in the Contract Unit Price for the Railing.
- REINFORCING STEEL NOTES:**
- All bar dimensions in the bending diagrams are out to out.
 - The reinforcement for the railing on a retaining wall shall be the same as detailed above for an 8" deck.
 - All reinforcing steel at the open joints shall have a 2" minimum cover.
 - Bar splices for Bars 4S shall be a minimum of 1'-8".
 - At the option of the Contractor deformed WWR may be used in lieu of all Bars 3R and 4S.



CONVENTIONAL REINFORCING STEEL BENDING DIAGRAMS

BILL OF REINFORCING STEEL

| MARK | SIZE | LENGTH |
|------|------|-----------|
| R | 3 | 5'-2" |
| S | 4 | As Req'd. |

BAR 3R **BAR 4S**

Labels: 3" (Bar 3R width), 9" (Bar 3R height), 3'-10" (Bar 3R length), 2 1/4" \bar{O} Pin, 4 1/2" (Bar 4S offset), As Req'd. (Bar 4S length)

ESTIMATED CONCRETE RAILING QUANTITIES

| ITEM | UNIT | QUANTITY |
|-------------------|-------|----------|
| Concrete | CY/LF | 0.079 |
| Reinforcing Steel | LB/LF | 13.12 |

(The above quantities are based on a deck with a 2% cross slope)

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