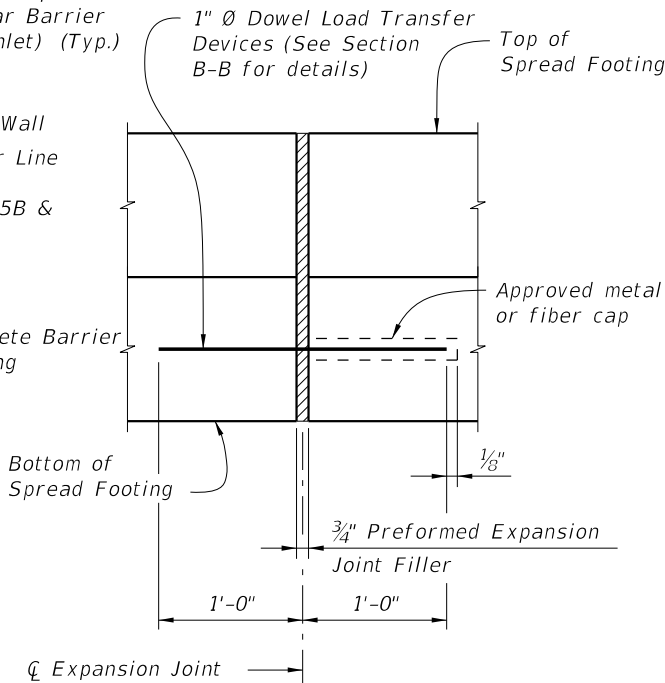
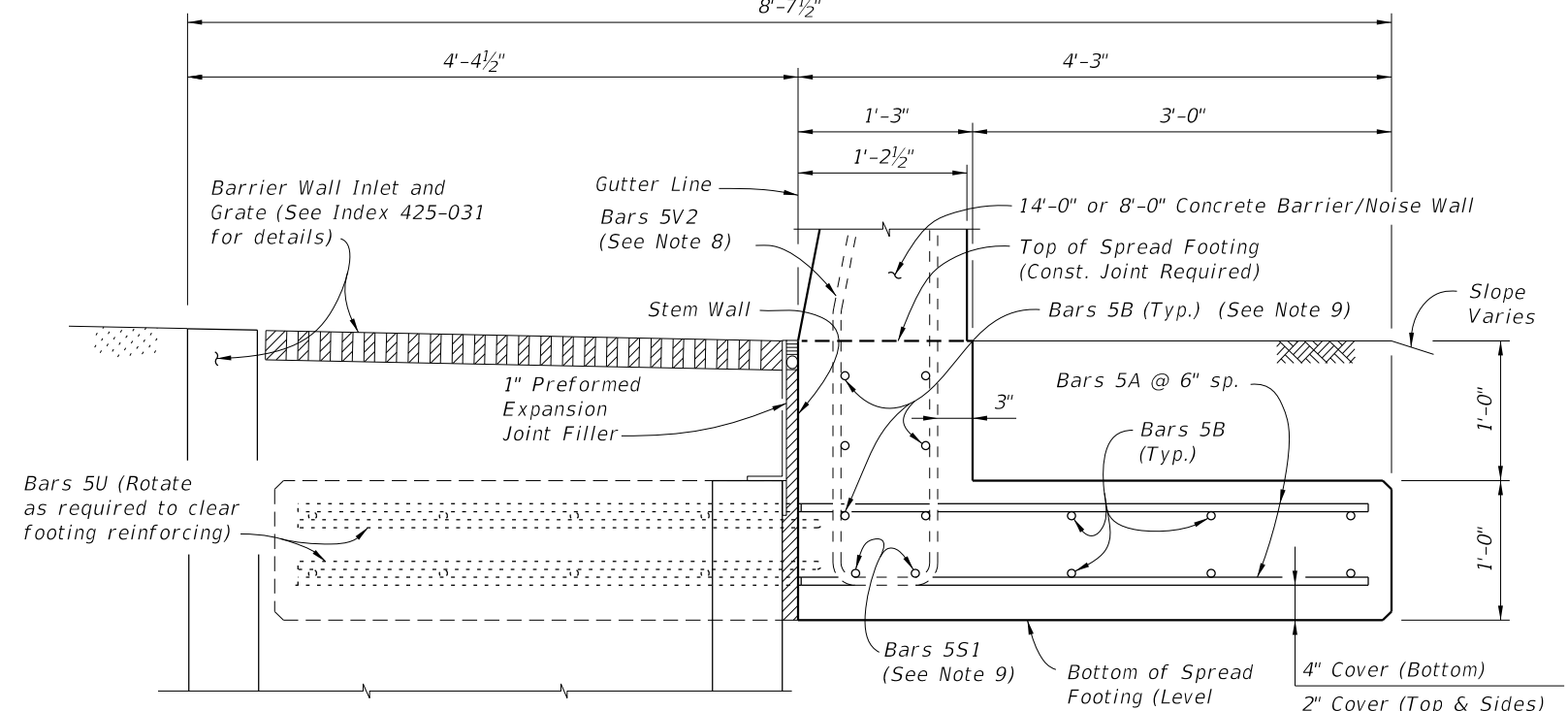


**PLAN**  
**SPREAD FOOTING ADJACENT TO SKEWED APPROACH SLAB AND WITH BARRIER WALL INLET**



**EXPANSION JOINT DETAIL**  
 (Spread Footing expansion joints are required at 3/4" open joints in Concrete Barrier/Noise Wall)



**SECTION A-A**  
**SECTION THRU SPREAD FOOTING AND BARRIER WALL INLET**  
 (Bars 5P, 5R and 5S1 in Concrete Barrier/Noise Wall not shown for clarity)

- NOTES**
1. Construct the Spread Footing level transversely and plumb vertically; do not construct the spread footing perpendicular to the roadway surface.
  2. Concrete will be in accordance with Specification Section 346.
    - A. Class II concrete for slightly aggressive environments.
    - B. Class IV concrete for moderately or extremely aggressive environments.
  3. Dowel Load Transfer Devices will be ASTM A 36 smooth round bar and hot-dip galvanized in accordance with Specification Section 962. Install Dowel Load Transfer Devices in accordance with Specification Section 350.
  4. Construct 3/4" Expansion Joints plumb and perpendicular or radial to Gutter Line. Provide at 90'-0" maximum intervals as shown.
  5. Construct 1/2" V-Grooves plumb and provide at 30'-0" maximum intervals as shown. Space V-Grooves equally between 3/4" Expansion Joints and/or Begin or End Spread Footing. V-Groove locations are to coincide with V-Groove locations in the Barrier/Noise Wall.
  6. Provide and install Preformed Expansion Joint Filler in accordance with Specification Section 932.
  7. **FILL REQUIREMENTS:** Shoulder or Roadway Pavement or Fill is required on top (1'-0" minimum depth) for the entire length of the spread footing on both sides of the Barrier/Noise Wall. See Section B-B for details.
  8. See Index 521-510 for Bars 5V2.
  9. Place 8 ~ Bars (6 ~ 5B1 & 2 ~ 5S1) inside Stirrup Bars 5V2 as shown. (2 ~ 5S1 Bars included in 521-510 or 521-511 quantities)
  10. Spacing shown is along the Gutter Line.
  11. Work this Index with one or both of the following:
    - a. Index 521-510 - Concrete Barrier/Noise Wall (8'-0").
    - b. Index 521-511 - Concrete Barrier/Noise Wall (14'-0").

**CROSS REFERENCE:**  
 For Section B-B and Detail "A", see Sheet 2.

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LAST REVISION 11/01/18	REVISION	DESCRIPTION:		<b>FY 2020-21 STANDARD PLANS</b>	<b>CONCRETE BARRIER/NOISE WALL T-SHAPED SPREAD FOOTING</b>	INDEX <b>521-513</b>	SHEET <b>1 of 2</b>
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