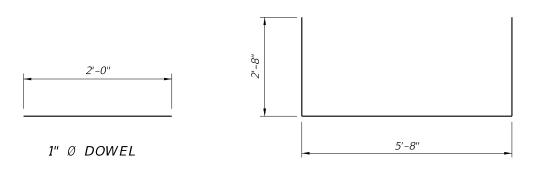


5A _I	6'-8"
5B	Length as Required

BARS 5A & 5B

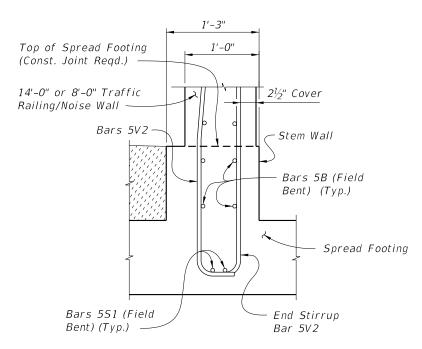


REINFORCING STEEL BENDING DIAGRAMS

BAR 5U

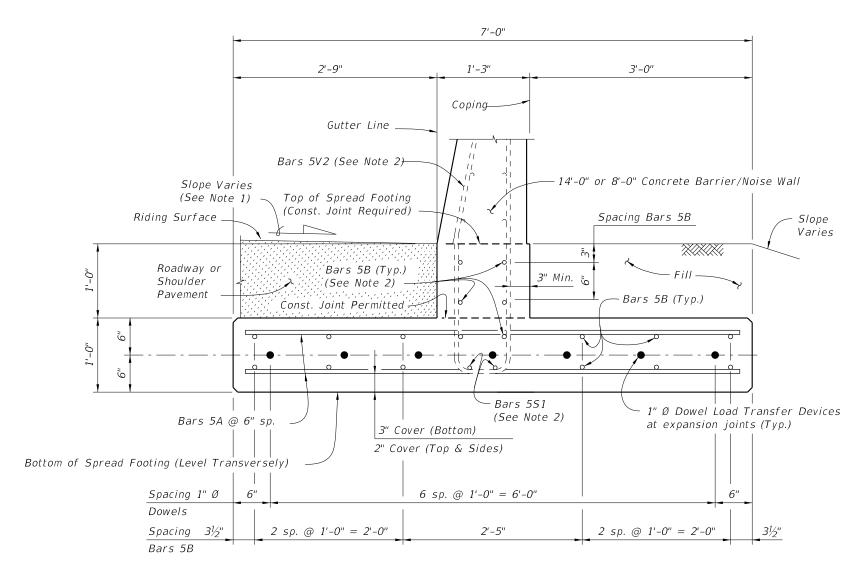
REINFORCING STEEL NOTES:

- 1. All bar dimensions in the bending diagrams are out to out.
- 2. All reinforcing steel at the open joints will have a 2" minimum cover.
- 3. Lap splices for Bars 5B will be a minimum of 2'-2".
- 4. The Contractor may use Welded Wire Reinforcement (WWR) when approved by the Engineer. WWR must consist of Deformed wire meeting the requirements of Specification Section 931.



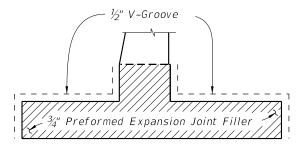
PARTIAL END VIEW OF RAILING END TRANSITION FOR GUARDRAIL ATTACHMENT (Showing Bars 5V2, and Bars 5B inside of Stirrup Bars 5V2)

NOTE: See Index 521-510, Detail "A" for details.



SECTION B-B TYPICAL SECTION THRU SPREAD FOOTING (Bars 5R and 5S1 in Concrete Barrier/Noise Wall not shown for clarity)

- 1. Match Cross Slope of Travel Lane or Shoulder.
- 2. See Sheet 1, Notes 8 & 9.



DETAIL "A"

(Showing Locations of ½" V-Grooves and 3/4" Preformed Expansion Joint Filler)

ESTIMATED T-SHAPED SPREAD FOOTING QUANTITIES				
ITEM	UNIT	QUANTITY		
Concrete (Footing)	CY/FT	0.312		
Reinforcing Steel (Typical)	LB/FT	47.36		
Additional Reinf. @ Expansion Joint	LB	37.38		

Note: The reinforcing steel quantity includes the difference between Index 521-510 or 521-511 and Bars 5V shown. Bars 5S1 are included in Index 521-510 or 521-511 quantities.

CROSS REFERENCE:

For location of Section B-B, see Sheet 1.

REVISION 11/01/23

DESCRIPTION:

FY 2024-25 STANDARD PLANS

CONCRETE BARRIER/NOISE WALL T-SHAPED SPREAD FOOTING

INDEX

SHEET

2 of 2 *521-513*