1. CONSTRUCTION REQUIREMENTS: Construct the Trench Footing and expansion joints plumb; do not construct the Trench Footing perpendicular to the roadway surface.

2. CONCRETE: Use Class II concrete for slightly aggressive environments. Use Class VI concrete for moderately or extremely aggressive environments. Concrete will be in accordance with Specification Section 396.

3. DOWELS: Dowel Load Transfer Devices will be hot-dip galvanized ASTM A36 smooth round bar or GFRP smooth round bars with a minimum shear strength of 22 ksi in accordance with ASTM C7617.

Install Dowel Load Transfer Devices in accordance with Specification Section 350. Dowel Load Transfer Devices are required when GFRP bars are used for Dowel Transfer Devices. Provide at 90'-0" maximum intervals as shown.

4. Expansion Joints: Expansion joints shall be provided at 30'-0" maximum intervals as shown.

5. Expansion Joint (See Detail this sheet)  Expansion Joint (See Detail this sheet)  Expansion Joint (See Detail this sheet)  Expansion Joint (See Detail this sheet)

6. Install Dowel Load Transfer Devices in accordance with Specification Section 350. Dowel Load Transfer Devices will be hot-dip galvanized ASTM A36 smooth round bars with a minimum shear strength of 22 ksi in accordance with ASTM C7617.

7. Expansion Joint Filler (See Note 5)  Expansion Joint Filler (See Note 5)  Expansion Joint Filler (See Note 5)  Expansion Joint Filler (See Note 5)

8. Optional Shear Key (See Note 5)  Optional Shear Key (See Note 5)  Optional Shear Key (See Note 5)  Optional Shear Key (See Note 5)

9. Approved metal or fiber cap

10. Top of Trench Footing (Const. Joint Required)

DETAIL "A" (Showing locations of ½ V-Groove and 1"Ø Dowel Load Transfer Devices)

TYPICAL SECTION THRU TRENCH FOOTING

(Bars SR and SSSI in Concrete Barrier/Noise Wall not shown for clarity)