Fabricator must adjust beam lengths for beam sizes as required.

5. Saw and center 1" diameter smooth lateral connector rod (LCR) is in the bottom of the flange connector "rod" prior to welding to minimize grade leakage. Clean where necessary between connectors.

6. Coat steel surfaces in contact with grout with a 3-component, water-based, epoxy-modified cement bonding agent including a corrosion inhibitor (BASE Emac 294, Euclid Corr-Bond, Sika Armatec 110 Equal or approved equal). Submit material data sheet to Engineer for approval, prior to use. Apply in accordance with manufacturer's specifications and sit prior to 12 hours before grout placement.

7. Fill shear keys with grout that meets the requirements of DMS 4635 "Concreteitious Grouts and Mortars for Miscellaneous Applications" and is capable of a compressive strength of 3,000 psi after 3 days of curing at anticipated temperatures. Surface preparation, mixing and consistency of grout, placing, and curing grout must follow the manufacturer's recommendations. Curing compounds are not allowed. Cure 3 days, minimum, prior to placing surface treatment and overlay. Approximate grout quantity for three beam joints = 0.33 CF of grout per foot of span length.

8. Use forming material between lateral connectors. Maintain a uniform grout depth along length of beams.

9. Lateral connector rods are subsidiary to other pertinent bid items.

After the specified cure time for the grout is reached, apply fabric underseal to the joints shown. Use fabric underseal meeting the requirements of Item 356, "Fabric Underseal". Provide joint for roadway with or between two lines of rails on the superstructure.

11. Place backer rod in joint opening prior to placing binder. Backer rods must be suitable for contact with hot asphalt.


13. Tuck Fabric 1" into joint opening. Mark location of centerline of joint on curb or barrier as approved.

14. After the asphaltic concrete pavement operations are complete, cut saw through the asphalt at centerline of joint. Make multiple saw cuts to create a 1" minimum joint opening. Depth of saw cut will be 1/8" less than total ACP overlay over joint. Do not damage the underseal.

15. Seal the joint opening with a Class I, "Hot-Poured Rodder" in accordance with DMS-6330, "Joint Sealants and Fillers". Seal flush with the top of the asphaltic concrete pavement.