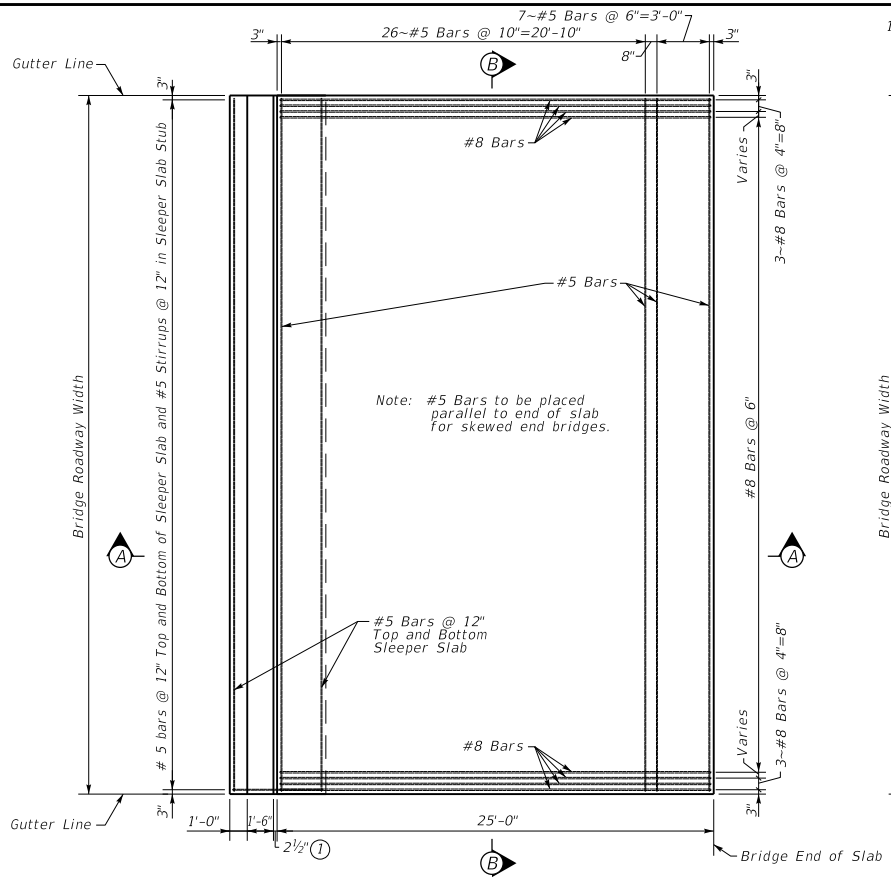
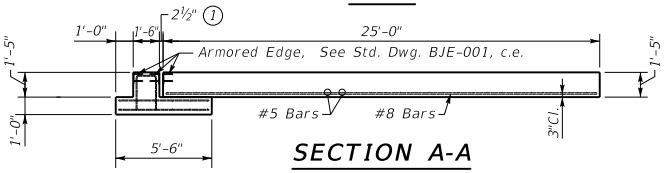
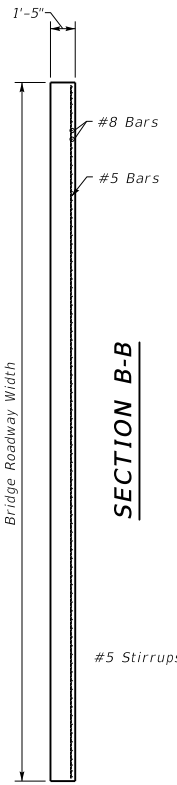


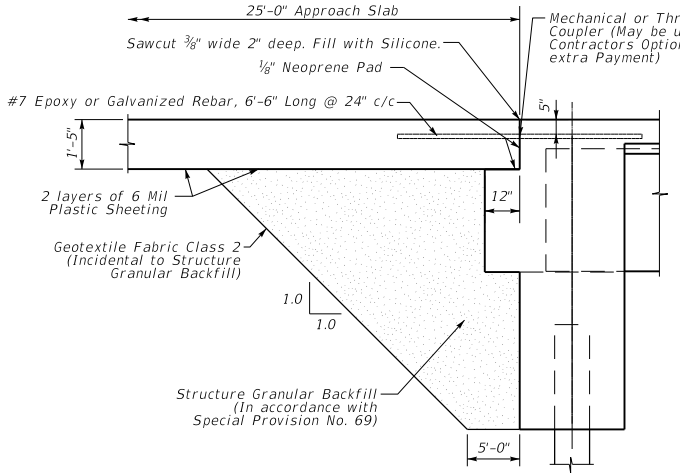
PLAN



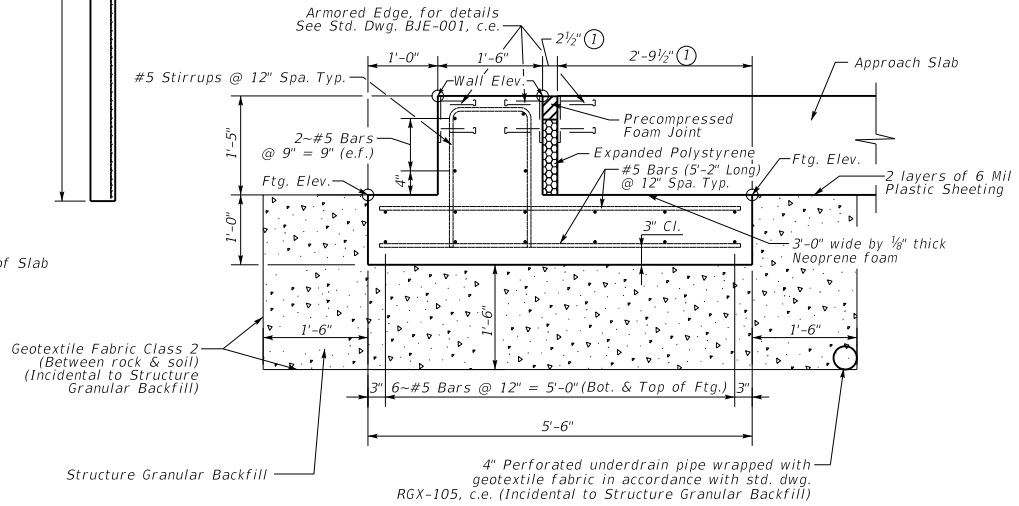
SECTION A-A



SECTION B-B



TYPICAL SECTION @ BRIDGE END



TYPICAL SECTION @ SLEEPER SLAB END

GENERAL NOTES

CROWN AND ELEVATIONS: *Crown shall conform to the rate of crown at the approach pavement and bridge deck. If the rate of crown at the bridge deck differs from that of approach pavement, a smooth transition shall be provided within the limits of the approach slab. Elevations shall be given in the plans for top of footing and top of wall as shown on the sleeper slab typical section. Grade elevations shall also be given along the approach slab to ensure it is built to proper grade. These elevations shall be provided at each gutter line and at the crown (if applicable) and at maximum spacings of 8'-0" along the approach slab. Approach slabs and sleeper slabs added to existing bridges will require the contractor to provide field surveys to obtain existing elevations. The contractor shall calculate all elevations noted above and submit to the Engineer for review. All costs to field survey and calculate elevations are incidental to unit price bid for Approach Slab.*

CONCRETE: *Concrete shall be Class "AA".*

REINFORCEMENT: *All steel reinforcement shall be Grade 60 and epoxy coated or galvanized.*

PAYMENT: *Include the cost of Class "AA" Concrete, epoxy-coated or galvanized steel reinforcement, precompressed foam joint seal, expanded polystyrene, plastic sheeting, and all labor and materials required to construct the approach slab in the bid item for Approach Slab. Payment for armored edges and structural granular backfill shall be made separately.*

(1) *The joint opening width shall be 2.5 in for expansion lengths of 150 feet or less, regardless of the joint setting temperature. For expansion lengths greater than 150 feet, the joint opening width shall be constructed based on the actual ambient temperature at the time of construction, with the manufacturer's joint setting table. The expansion length must be shown in the plans.*

The precompressed foam joint shall be able to accomodate both the minimum and the maximum joint opening widths as shown below:

Concrete Bridge Expansion length less than 347 feet and Steel Bridge Expansion Length less than 275 feet.
W(min) = 1.0 inch
W(max) = 4.0 inches

This standard is not applicable for concrete bridge expansion lengths greater than 347 feet or Steel bridge expansion lengths must be done and placed within the plans using a joint capable of greater movements greater than 275 feet. For bridges exceeding these limits a special design must be done and placed within the plans using a joint capable of greater movements.

KENTUCKY
DEPARTMENT OF HIGHWAYS

APPROACH SLAB

STANDARD DRAWING NO. BGX-017-03

SUBMITTED — DIRECTOR DIVISION OF STRUCTURAL DESIGN — 02-26-20 DATE

APPROVED — STATE HIGHWAY ENGINEER — 02-26-20 DATE