General Notes:

1. All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 303 (f'c = 4,000 psi)

The reinforcing steel in the bridge approach slab and the sleeper slab shall be epoxy coated Grade 60 with fy = 60,000 psi.

2. Drainage pipe may be either 6" diameter corrugated metallic coated pipe, 4" diameter corrugated polyvinyl chloride (PVC) drain pipe, or 4" diameter corrugated polyethylene (PE) drain pipe.

Minimum clearance to reinforcing steel shall be 3 1/2" unless otherwise shown.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 24 inches for #5 bars and 48 inches for #6 bars, or by mechanical bar splice.

3. Portland cement bar splices shall be in accordance with Sec 310.

All joint filler shall be in accordance with Sec 1053 for preformed fiber expansion joint filler except as noted.

For concrete approach pavement details, see roadway plan.

See Missouri Standard Plan Sheet 309 for details of Type A curb.

Payment for furnishing all materials, labor and equipment necessary to construct the approach slab, including the timber header, sleeper slab, drainpipe, Type 3 aggregate base, joint filler and all other construction necessary to construct the approach slab, complete in place, will be considered completely covered for the contract price for Bridge Approach Slab (Major) per square yard.

* Seal joint between vertical face of approach slab and wing with sealant in accordance with Sec 717 for split joint sealant for saw cut and formed joints.

For concrete approach pavement details, see roadway plan.

All concrete for the bridge approach slab and sleeper slab shall be in accordance with Sec 503 (f'c = 4,000 psi).

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

All construction joints in bridge slab.

The reinforcing steel in the bridge approach slab and the sleeper slab shall be continuous. The transverse reinforcing steel may be made continuous by providing a minimum lap splice of 24 inches for #5 bars and 48 inches for #6 bars, or by mechanical bar splice.

4. Portland cement bar splices shall be in accordance with Sec 310.

All joint filler shall be in accordance with Sec 1053 for preformed fiber expansion joint filler except as noted.

For concrete approach pavement details, see roadway plan.

See Missouri Standard Plan Sheet 309 for details of Type A curb.

Payment for furnishing all materials, labor and equipment necessary to construct the approach slab, including the timber header, sleeper slab, drainpipe, Type 3 aggregate base, joint filler and all other construction necessary to construct the approach slab, complete in place, will be considered completely covered for the contract price for Bridge Approach Slab (Major) per square yard.

* Seal joint between vertical face of approach slab and wing with sealant in accordance with Sec 717 for split joint sealant for saw cut and formed joints.
Standard Drawing Guidance (do not show on plans):
See Structural Project Manager or Liaison for preference on revising details as follows to specify staged construction:

1. Show & call out any required staged construction joints.
2. Show any required construction joints and show and call out any mechanical bar splices.

When mechanical bar splices are required due to staged construction, add the following after the indicated note:
(Estimated ___ splices per slab)
Input the estimated number of required mechanical bar splices including those in the sleeper slab.

See Notes K.11 and K.12 in EPG 751.50 for wording of notes when semi-deep abutments are used.

If the end of a wing wall extends beyond the end of the bridge approach slab, it will be necessary to revise the length of the sleeper slab shown and to redirect the perforated drain pipe adjacent to the sleeper slab to go under the sleeper slab and then turn to daylight. This should be nonperforated drain pipe at this point.

Show & call out any required staged construction joints.
Show any required construction joints and show and call out any mechanical bar splices.

3/4" Jt. Filler
(Rev)

End of Barrier

#6 Bars at 5" cts.

#5 Bars at 12" cts.

1/4" Jt. Filler

Transition from roadway crown to bridge crown as necessary.

#5 Bars at 12" cts.

#5 Bars at 5" cts.

SECTION A-A

ALTERNATE DETAILS FOR TYPE B BARRIER (SBC)