Standard Drawing Guidance (do not show on plans):

Turn off Bridge-Construction level to hide all guidance.

Prestressed bridge approach slab is to be used for approach slab replacement only.

Roadway drainage should be addressed by the core team and the consensus noted on the Bridge Memorandum and the Standard Drawing. For roadway drainage options for Prestressed Bridge Approach Slab, see EPG 503 Bridge Approach Slab.

- (1) Replace "Skew" with actual skew angle.
- (2) Top of approach notch must be flat or uniformly sloped (no crown) and sleeper slab must be parallel in elevation to top of approach notch.
- ③ Identify asphalt overlay and thickness. Coordinate with district if better to make a roadway item and then note accordingly and revise pay item note.
- (4) Waterproof membrane is required when slab is overlaid with asphalt. Omit "Special Provisions" as needed.
- (5) Timber Header will not normally be needed, since prestressed beams will be used for replacements only. Use only if requested by District RE to protect ends of beams during construction.
- (6) Request field measurements between wings at end of slab and end of wings before dimensioning width of approach slab and determining beam widths to be used.
- 0 The 20'-O" slab dimension can be changed to 25'-O", the title can then be changed from (20 FEET) to (25 FEET).





 $(\ensuremath{\$})$ Modify or remove based on actual conditions of the job.

(9) Fill with asphalt or seal.

Number of tie rods: Ideally, install 3 tie rods at midpoint and quater points: one will have to go through wing wall: drill hole in wing, install, grout and seal. Realistically, install 2 tie rods as shown. (Only 2 tie rods were used successfully with favorable results in the correlated research.)

For "Placement and Full Width Posttensioning Instructions:", see Development Section. Partial width posttensioning is preferred.

(1) The rods shall be placed along skew since shifting the beams longitudinally relative to each other during the tightening operation is prevented due to the anchorage of the beams to the end bent and the development of friction at the beam/aggregate interface.

Unlike conventional bridge approach slabs, prestressed concrete bridge approach slabs still require formed access holes for required investigation as specified prior to 2018 Standard Specifications effective for October letting.

es (Posttensioned Slab):								i.
verify all dimensions in field before ordering	~	тні	s M	ME D I	IA	ѕно	ULC	, ,
sleeper slab shall be in accordance with 000 psi).		10T ,	BE L CI DOC	CO ERT	NS I IF I NT	DEF ED	RE D	
in the sleeper slab shall be epoxy coated = 60,000 psi.								0
all be ASTM A709 Grade 36.								
1″Ø tie rods shall be A307.	DATE PREPARED 8/6/2020							
tes, sleeves, and nuts shall be galvanized in ASHTO M 232 (ASTM A153), Class C.	ROUTE STATE							
to reinforcing steel shall be $1\frac{1}{2}''$, unless	DISTRICT SHEET NO. BR *							
nall be in accordance with the CRSI Manual of for Detailing Reinforced Concrete Structures,	COUNTY *							
imensions.	CONTRACT ID.					_		
xpansion joint filler, except as noted.	PROJECT NO.							
e underdrain, er corrugated e (PVC) drain pipe, or 4" diameter nylene (PE) drain pipe.	BRIDGE NO. APPO8							
em: An epoxy coated #6 Grade 60 reinforcing I be substituted for the 3/4″Ø threaded rod.								
nsioned beams, the roadway (top) face shall be II times. Beams shall be supported within 12 s only.	NOI							0
out for filling the keyways.	ΙΡΤΙ							
ment details, see roadway plans,8	ESCR							
shing all materials, labor and excavation truct the prestressed approach slab, including underdrain, asphaltic wearing surface, joint ner appurtenances and incidental work as shown mplete in place, will be considered completely ntract unit price for Prestressed Bridge square vard.	ā							-
adjust dimensions based on actual field approval of the engineer.	DATE							
Instructions:	NO					ы Б	03	36)
opproach notch and top of sleeper slab, and	RANSPORTAT I	_				105 WEST CAPIT	N CITY. MO 651	(1-888-275-66)
hex sleeve.		I ON					RSO	10
ified tension before proceeding with the final	S AN	MISS	ł	_			JEFFE	K -MOC
sioned Beams", (Fill tie rod openings,)	ΥAWH	COM	() [:]	2	\mathbf{N}		38-AS
one-half that specified for ASTM F3125 Grade cations.	HIGH		(Ĵ		<i>₩</i>	ζ	1-8
nect to hex sleeve, following same sequence,	OUR I	ſ		ž	K		Γ	
	II SSI		/	_		•	J	
t and trowel uniformly for complete seal just	2							
Notes:	Г							۱
ted Prestressed Concrete Approach Slabs: a of the work, all underseal access holes the the contractor to permit investigation ny voids or cavities found shall be filled by a an approved method. Care shall be taken rations to avoid raising the approach slab beams or as a whole. of the investigation or underseal pumping, filled with sond to within one inch of the der filled with joint sealing material.		ONLY WITH			STANT STAT		19 ENGINEE	
e completed slab or for filling any voids sed bridge approach slabs.		USE) <	4	ASS1		םעור	