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GENERAL NOTES:

1. All reinforcing bars shall be epoxy coated.
2. See Standard Drawing series E 609-TBAE for RCBA extensions used with bridge railing transitions.


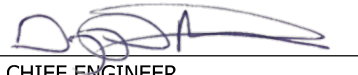
INDIANA DEPARTMENT OF TRANSPORTATION

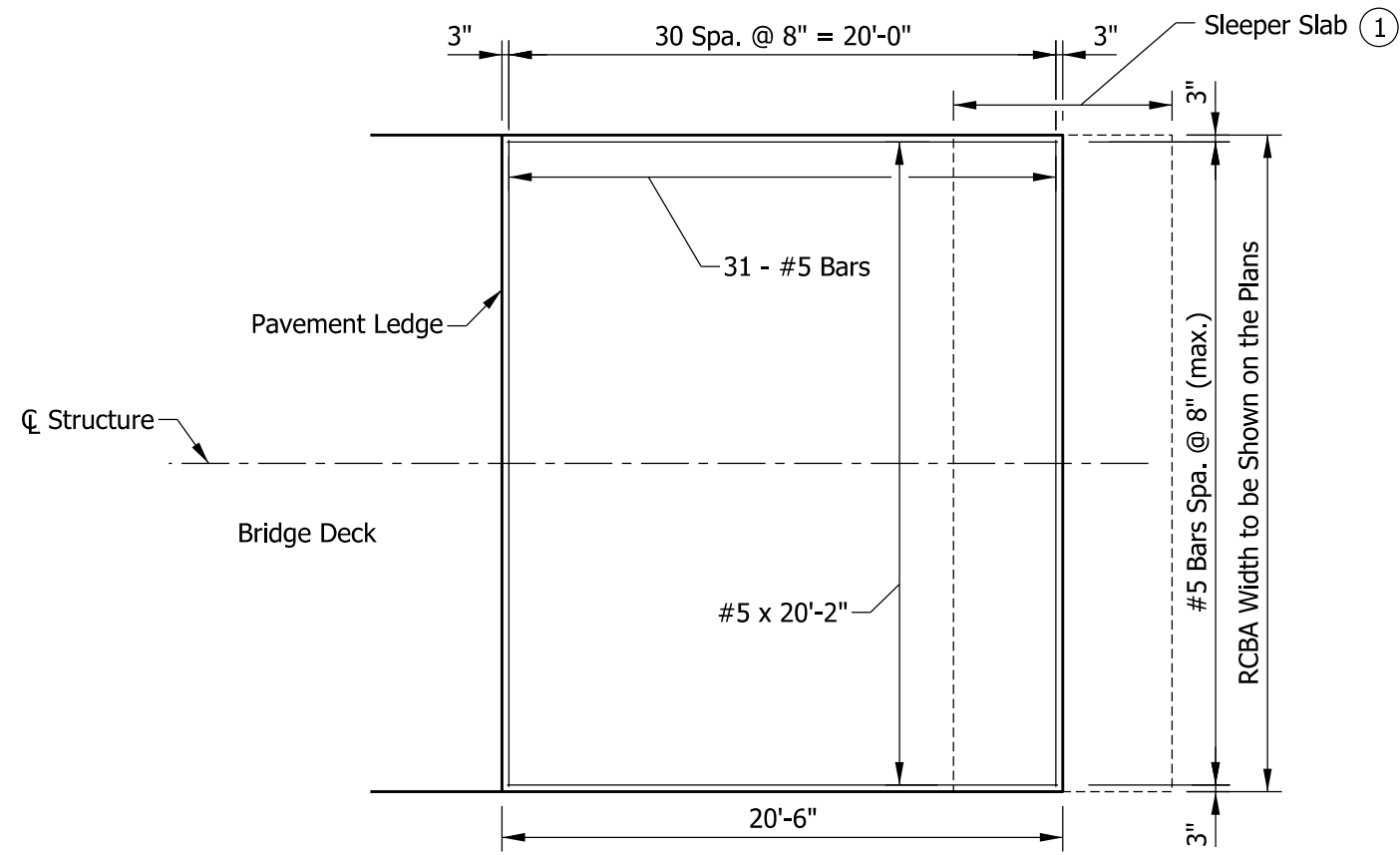
REINFORCED CONCRETE BRIDGE APPROACH
INDEX AND GENERAL NOTES

SEPTEMBER 2021

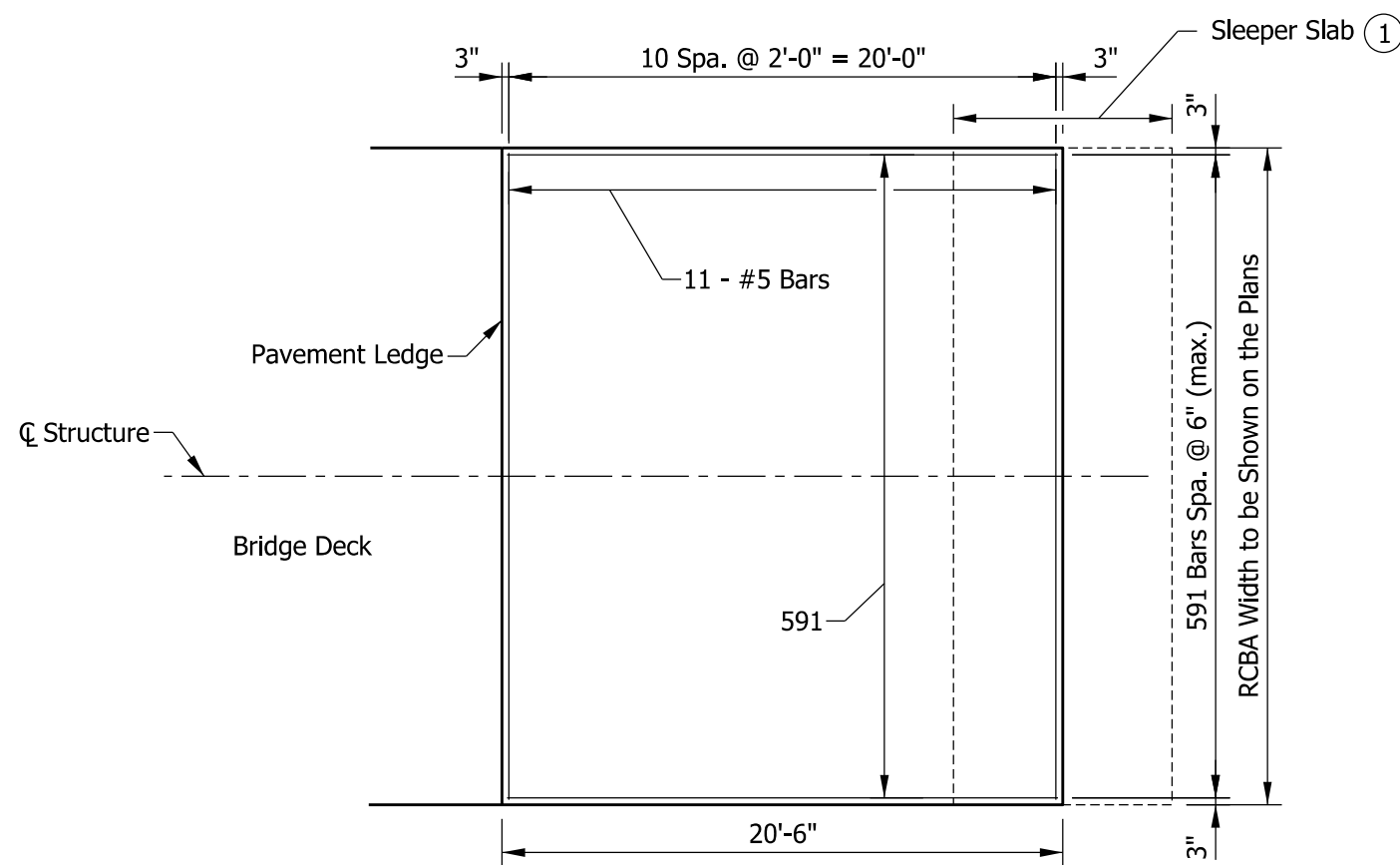
STANDARD DRAWING NO. E 609-RCBA-01



	3/24/21
DESIGN STANDARDS ENGINEER	DATE
	3/29/2021
CHIEF ENGINEER	DATE



PLAN SHOWING TOP REINFORCING



PLAN SHOWING BOTTOM REINFORCING

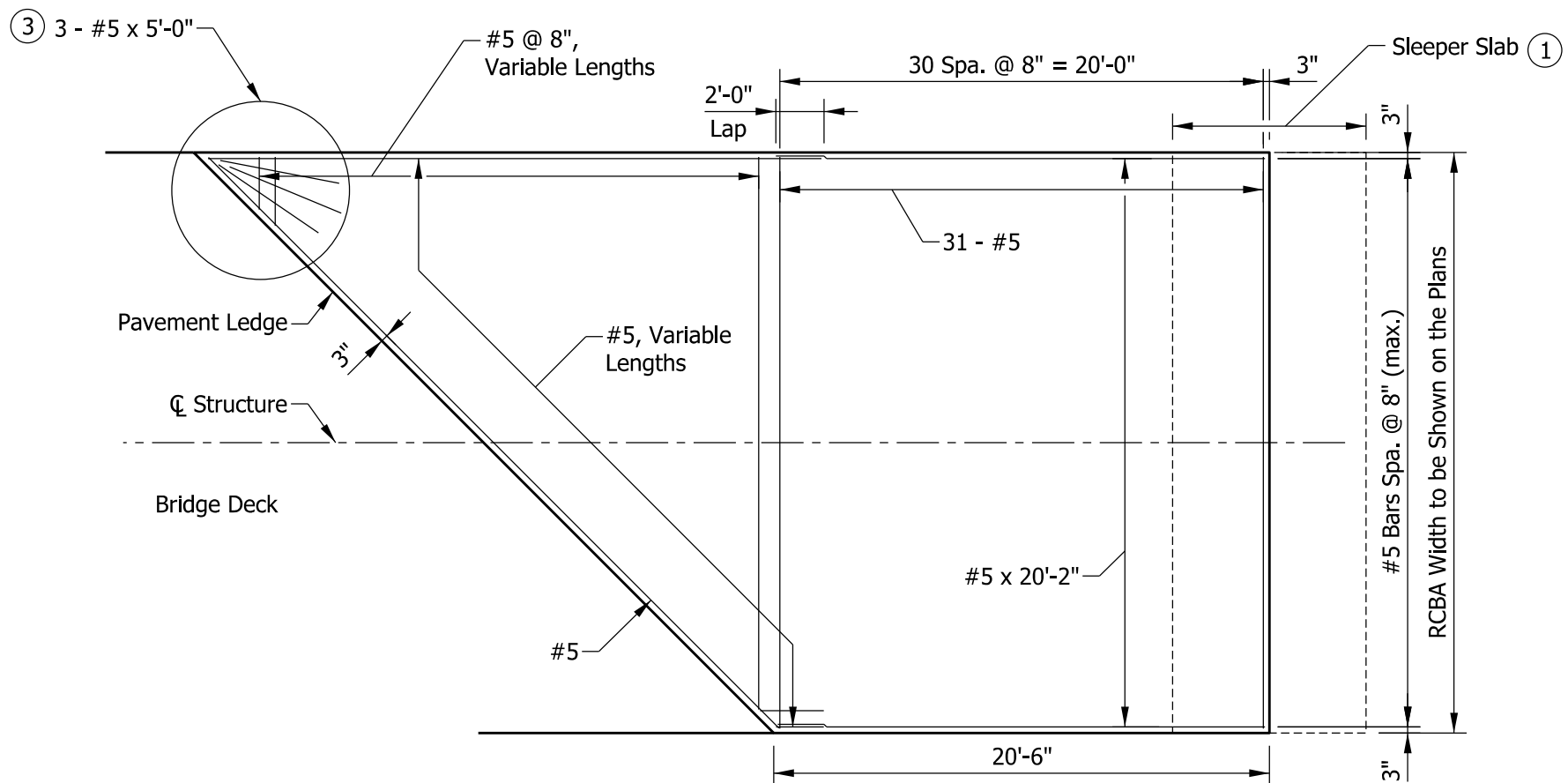
NOTES:

- ① When shown on the plans, see Standard Drawing series E 503-BATJ for terminal joint and sleeper slab details.

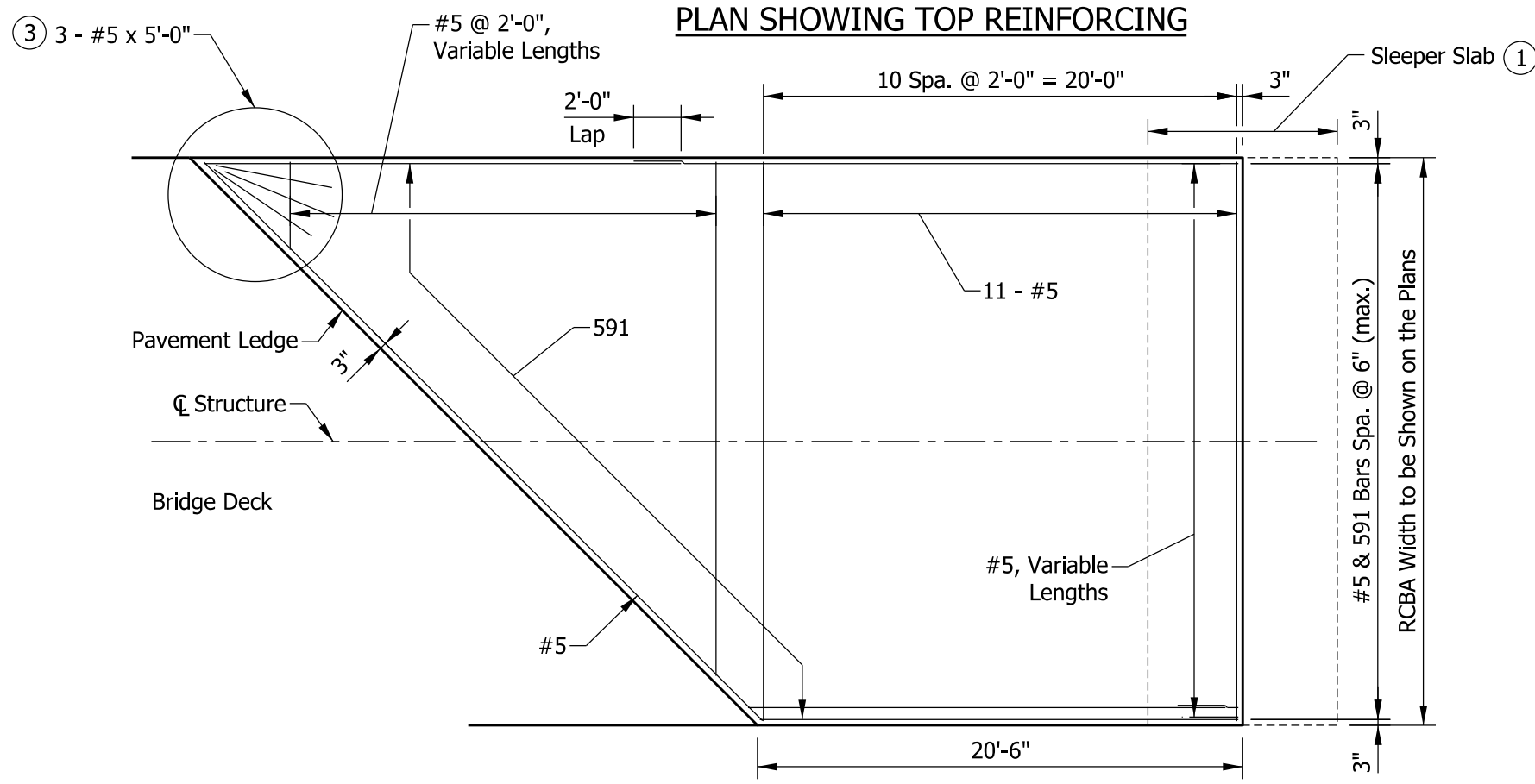
KEY:

RCBA = Reinforced Concrete Bridge Approach

INDIANA DEPARTMENT OF TRANSPORTATION	
REINFORCED CONCRETE BRIDGE APPROACH SQUARE	
SEPTEMBER 2020	
STANDARD DRAWING NO.	E 609-RCBA-02
	 DESIGN STANDARDS ENGINEER 03/10/20 DATE
 CHIEF ENGINEER	04/02/20 DATE



PLAN SHOWING TOP REINFORCING




PLAN SHOWING BOTTOM REINFORCING

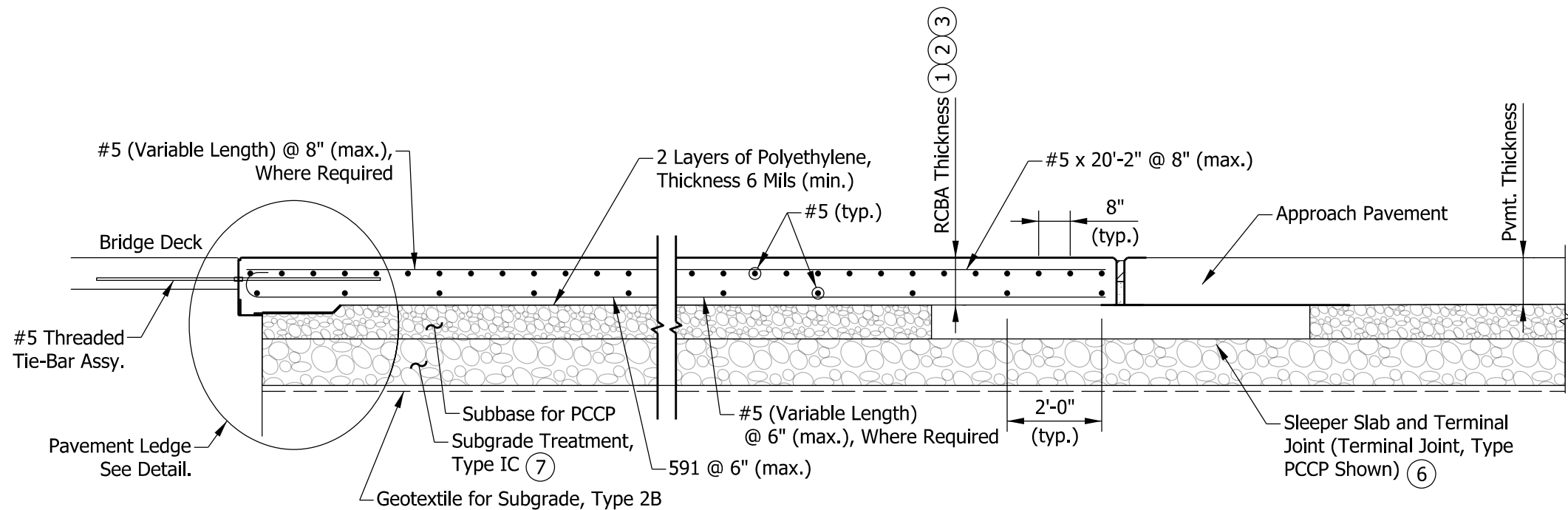
NOTES:

- ① When shown on the plans, see Standard Drawing series E 503-BATJ for terminal joint and sleeper slab details.
- 2. Variable-length #5 bars shall be detailed by means of cutting diagrams on the plans.
- ③ For skew > 15 degrees where variable-length transverse bars would be shorter than 2 ft 0 in., a fanned configuration of three #5 x 5'-0" reinforcing bars shall be provided.

KEY:

RCBA = Reinforced Concrete Bridge Approach

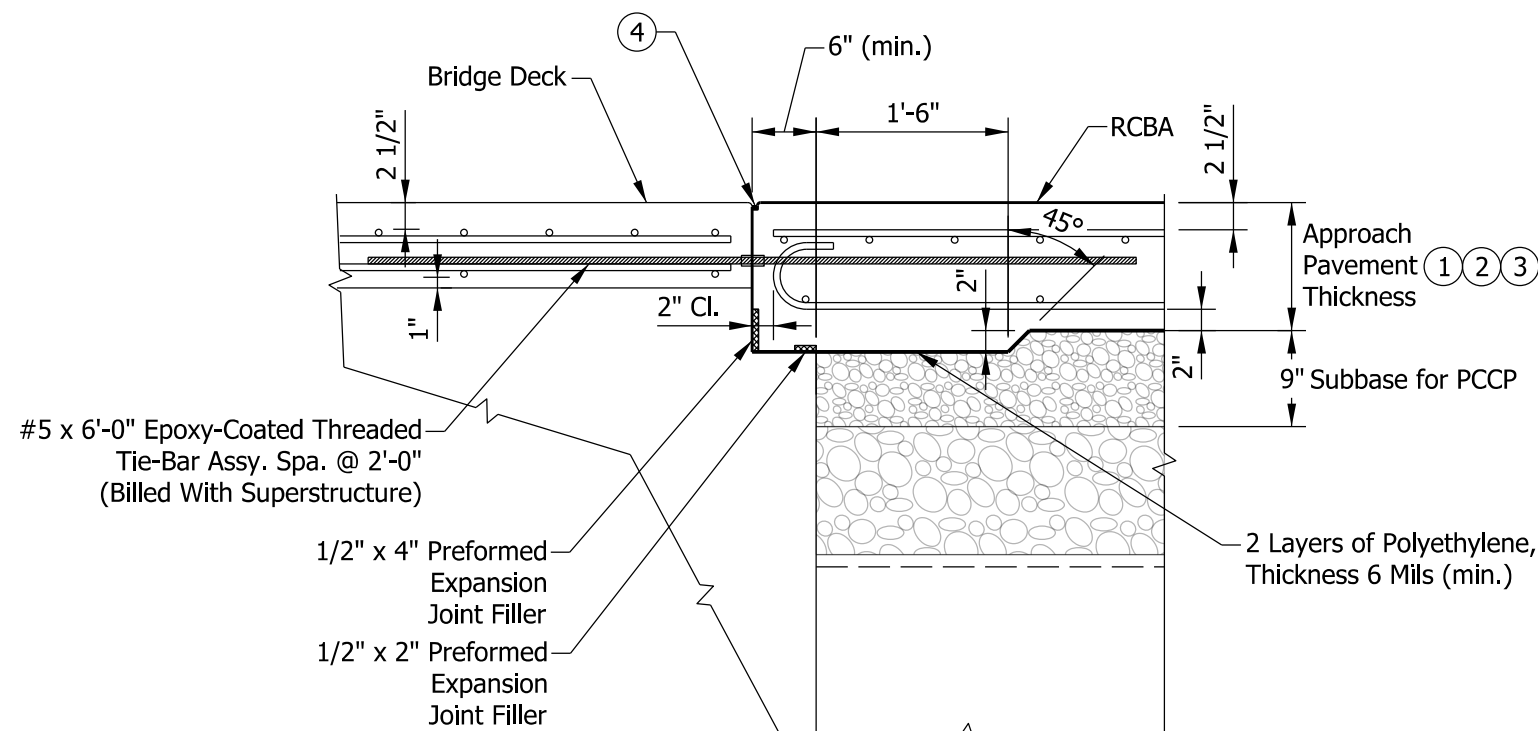
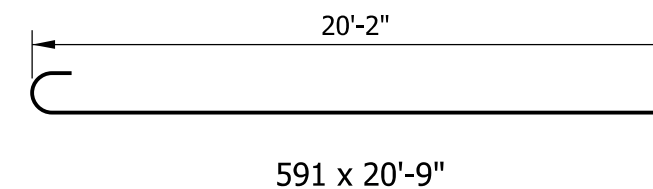
INDIANA DEPARTMENT OF TRANSPORTATION	
REINFORCED CONCRETE BRIDGE APPROACH SKEWED	
SEPTEMBER 2020	
STANDARD DRAWING NO.	E 609-RCBA-03
	<p style="text-align: right; margin: 0;"><i>Elizabeth W. Phillips</i> 03/10/20 DESIGN STANDARDS ENGINEER DATE</p> <p style="text-align: right; margin: 0;"><i>[Signature]</i> 04/02/20 CHIEF ENGINEER DATE</p>



SECTION THROUGH APPROACH

NOTES:

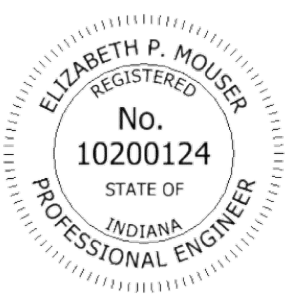

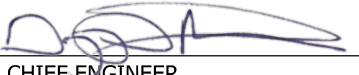
- ① See plans for approach pavement thickness.
- ② For HMA approach pavement:
RCBA = 10 in. if design year AADT < 1000
RCBA = 12 in. if design year AADT ≥ 1000
- ③ For PCCP approach pavement:
RCBA = 12 in. if pavement thickness < 12 in.
RCBA = Same as pavement thickness, if pavement thickness ≥ 12 in.
- ④ See Standard Drawing series E 609-BRJT for joint type I-A details.
- 5. See Standard Drawing series E 703-BRST for reinforcing-bar bending details and notes.
- ⑥ When shown on the plans, see Standard Drawing series E 503-BATJ for terminal joint and sleeper slab details.
- ⑦ When the RCBA is constructed without a terminal joint, subgrade treatment shall be omitted and geotextile shall be placed under subbase for PCCP.



PAVEMENT LEDGE DETAIL

KEY:

RCBA = Reinforced Concrete Bridge Approach

INDIANA DEPARTMENT OF TRANSPORTATION	
REINFORCED CONCRETE BRIDGE APPROACH SECTION, PAVEMENT LEDGE, AND BAR BENDING DETAILS	
SEPTEMBER 2021	
STANDARD DRAWING NO.	E 609-RCBA-04
	 DESIGN STANDARDS ENGINEER 3/18/21 DATE
 CHIEF ENGINEER 3/24/2021 DATE	