
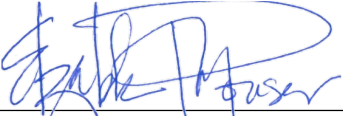

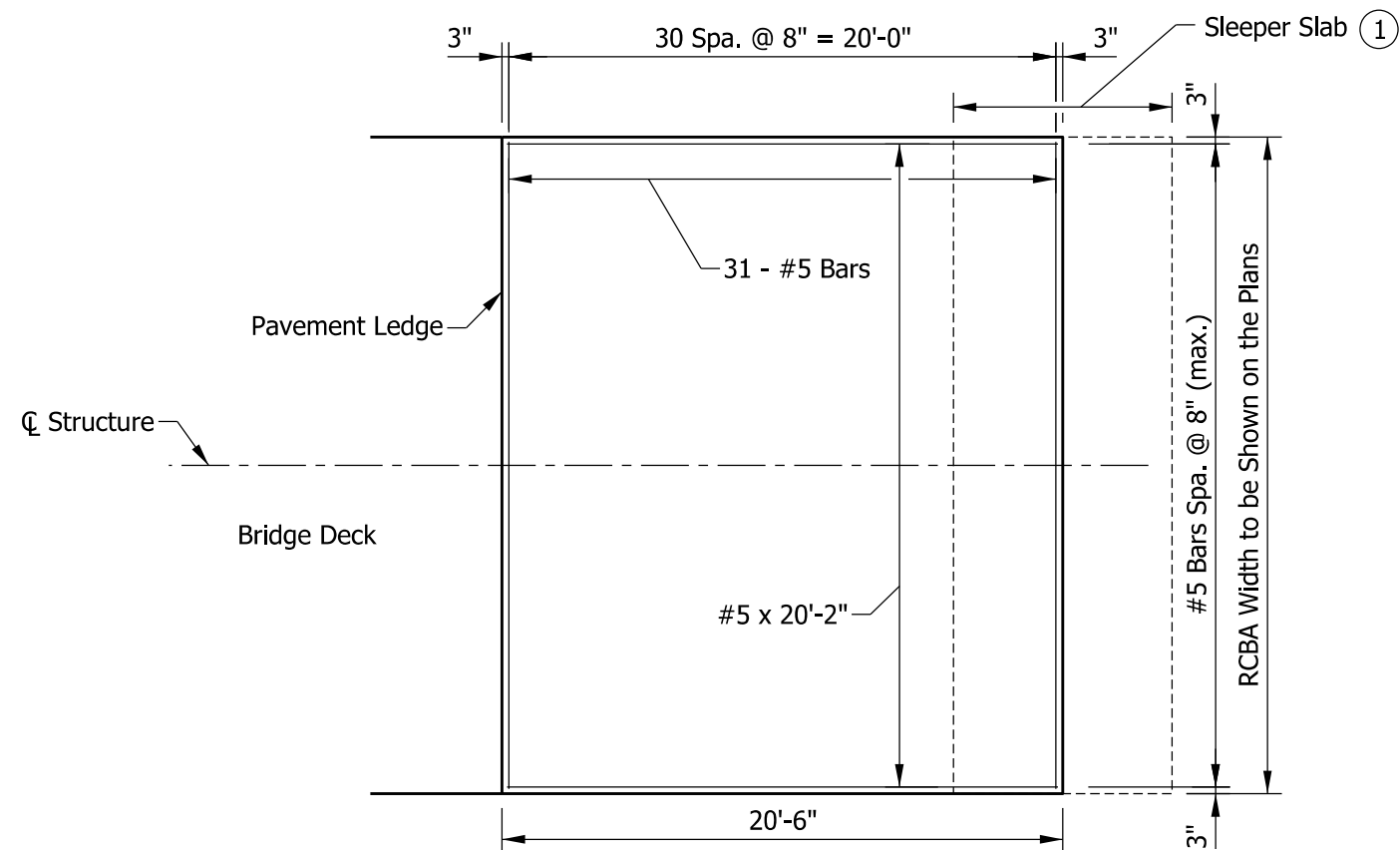


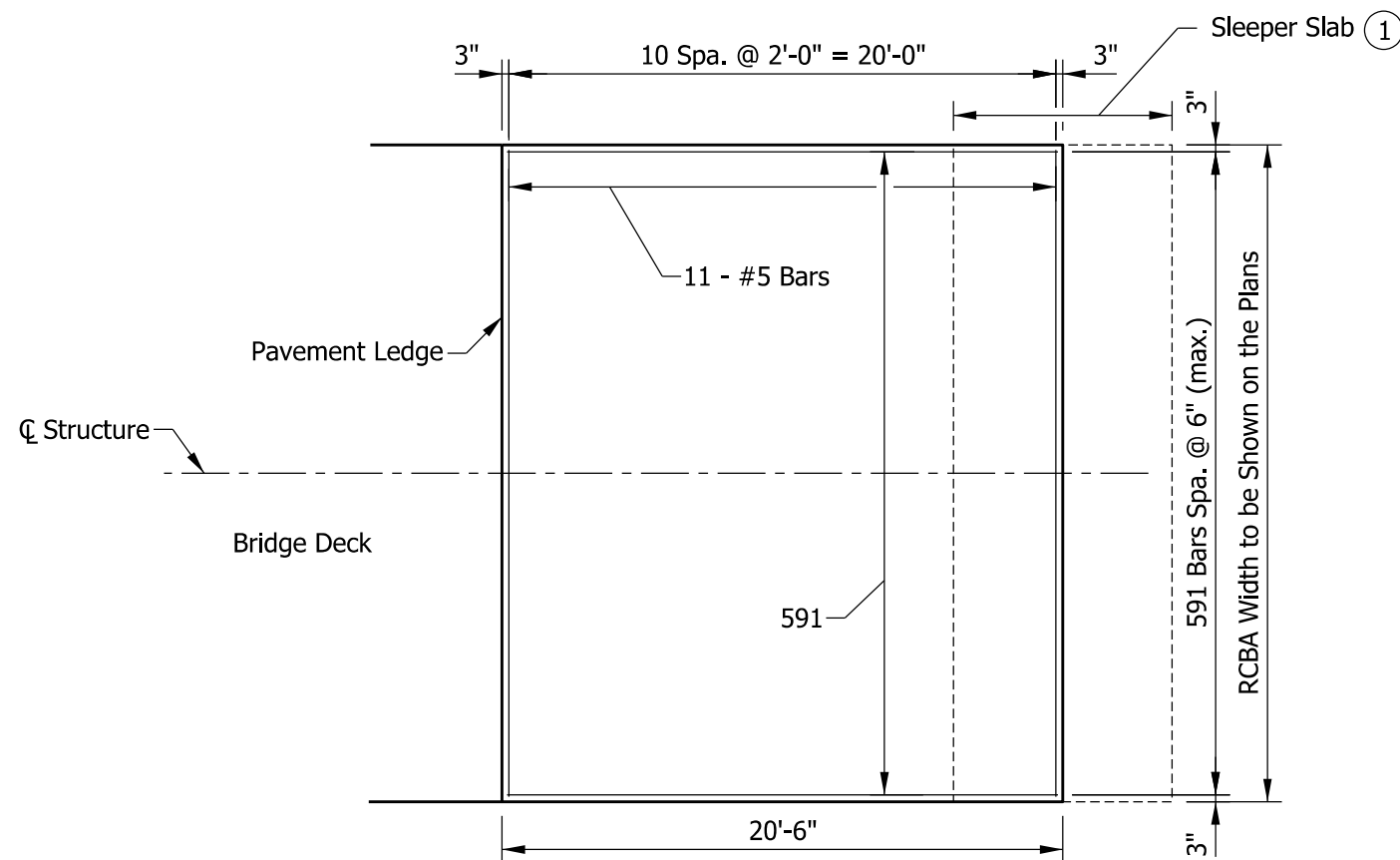
INDEX	
SHEET NO.	SUBJECT
1	Reinforced Concrete Bridge Approach Index and General Notes
2	Reinforced Concrete Bridge Approach Square
3	Reinforced Concrete Bridge Approach Skewed
4	Reinforced Concrete Bridge Approach Section, Pavement Ledge, and Bar Bending Details

- 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	
	<div> DESIGN STANDARDS ENGINEER     3/24/21 DATE</div> <div> CHIEF ENGINEER     3/29/2021 DATE</div>



**PLAN SHOWING TOP REINFORCING**



**PLAN SHOWING BOTTOM REINFORCING**

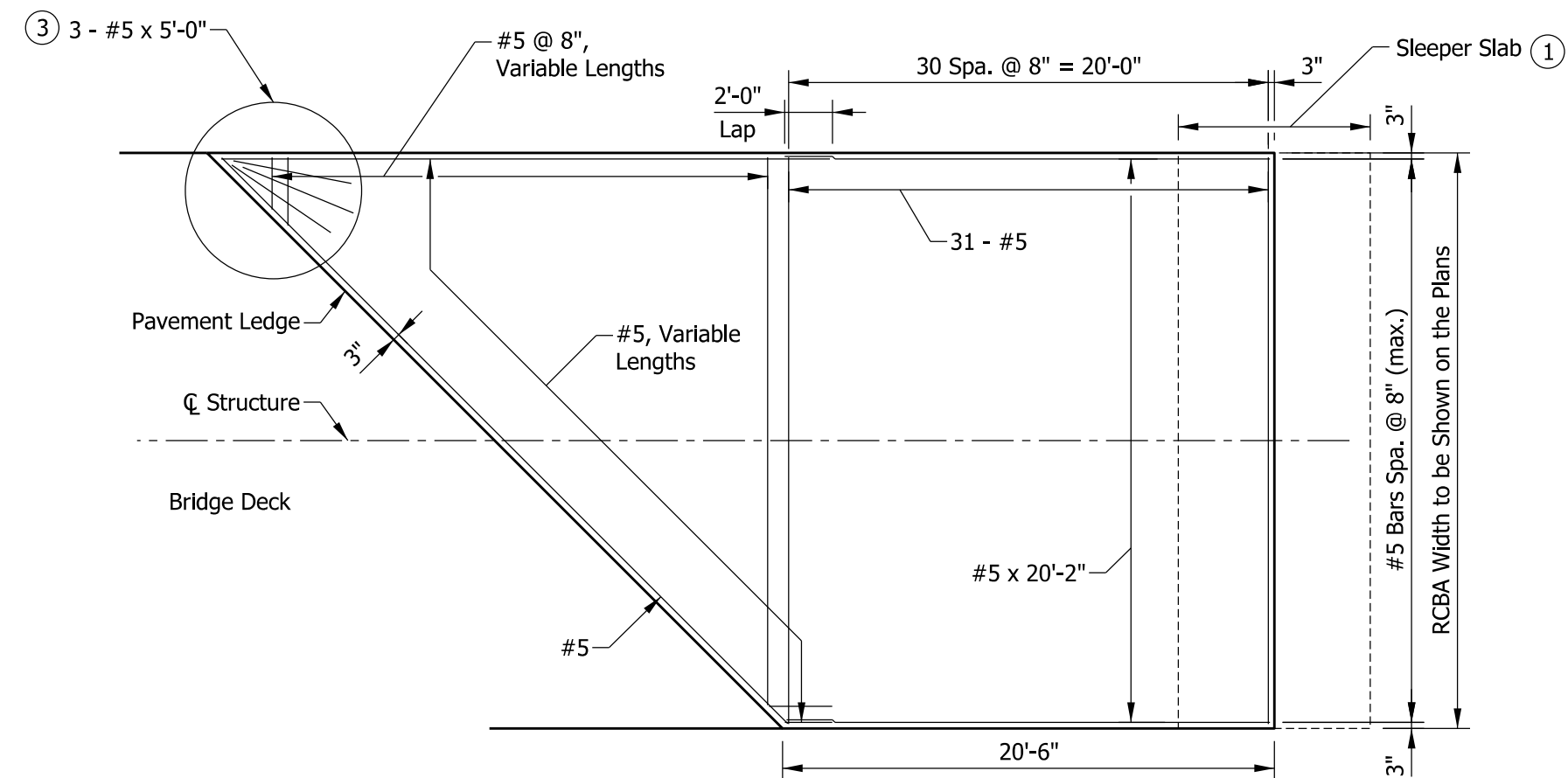
**NOTES:**

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

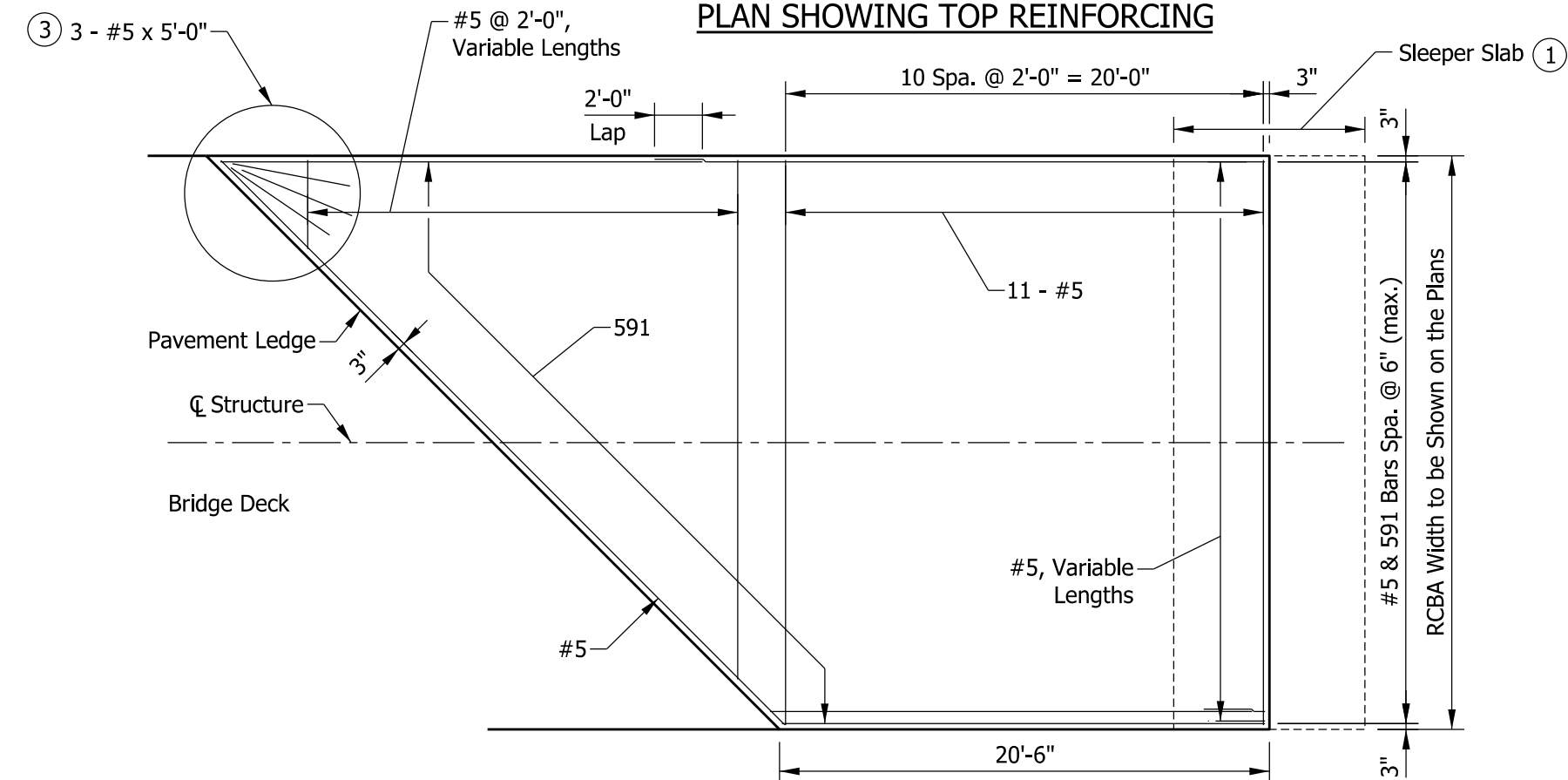
**KEY:**

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
		03/10/20
	DESIGN STANDARDS ENGINEER	DATE
		04/02/20
	CHIEF ENGINEER	DATE



- 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.
- ⑧ See plans for project specific pavement ledge dimensions.