INDEX

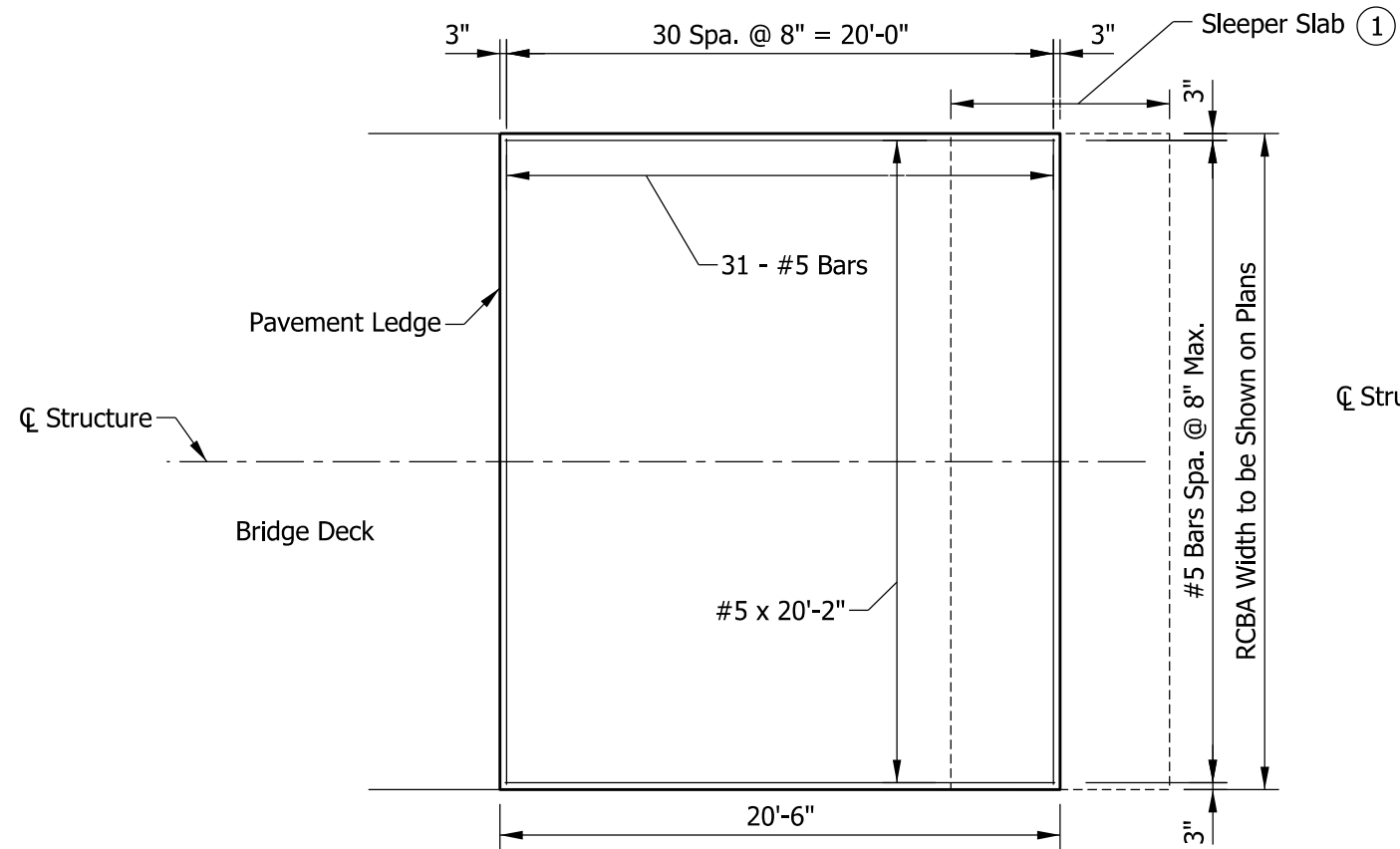| SHEET NO.	SUBJECT
1	Reinforced Concrete Bridge Approach Index and General Notes
2	Reinforced Concrete Bridge Approach Square
3	Reinforced Concrete Bridge Approach Skewed
4	Reinforced Concrete Bridge Approach Section, Pavement Ledge, and Bar Bending Details

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.

3. RCBA shall be surface sealed.

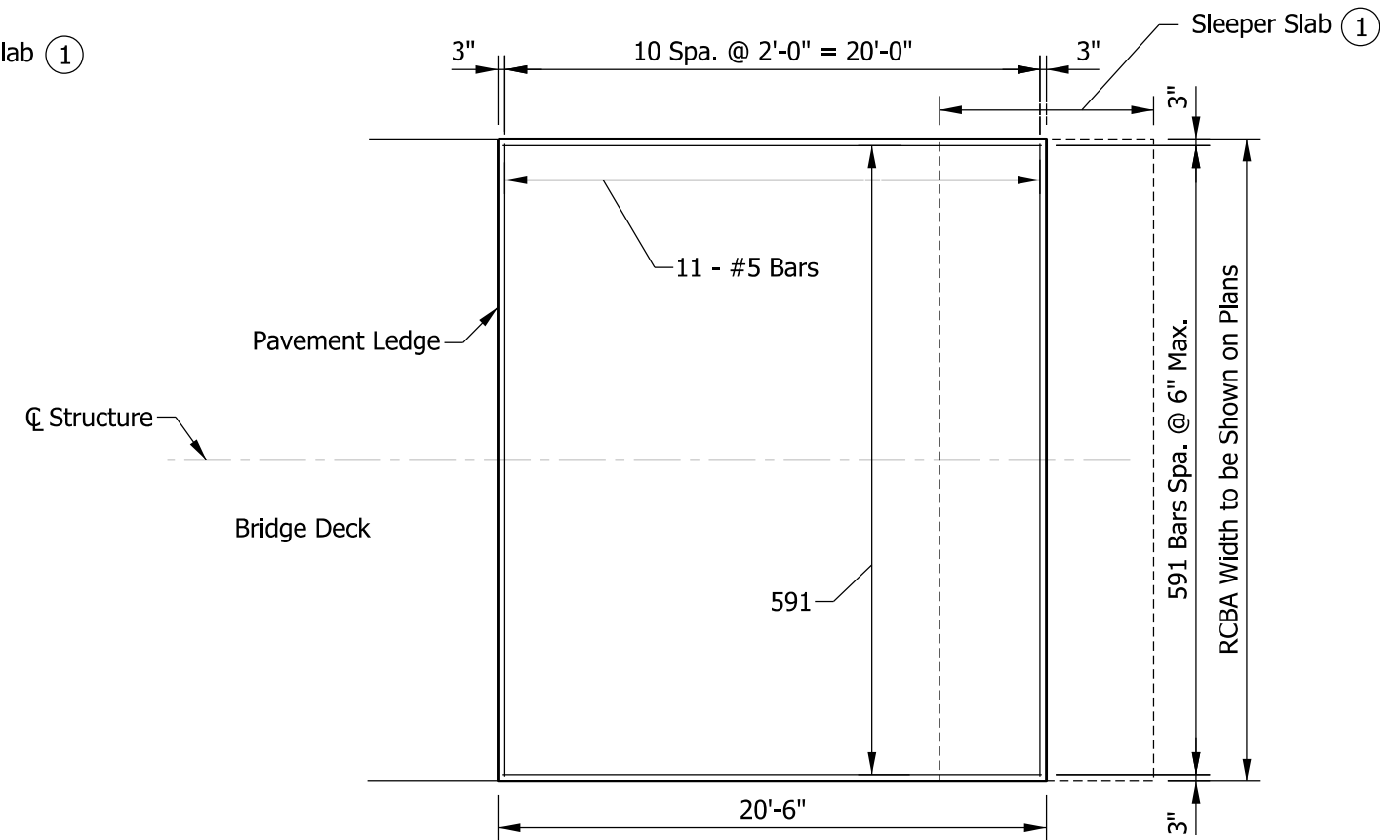INDIANA DEPARTMENT OF TRANSPORTATION

REINFORCED CONCRETE BRIDGE APPROACH
INDEX AND GENERAL NOTES

NOTES:

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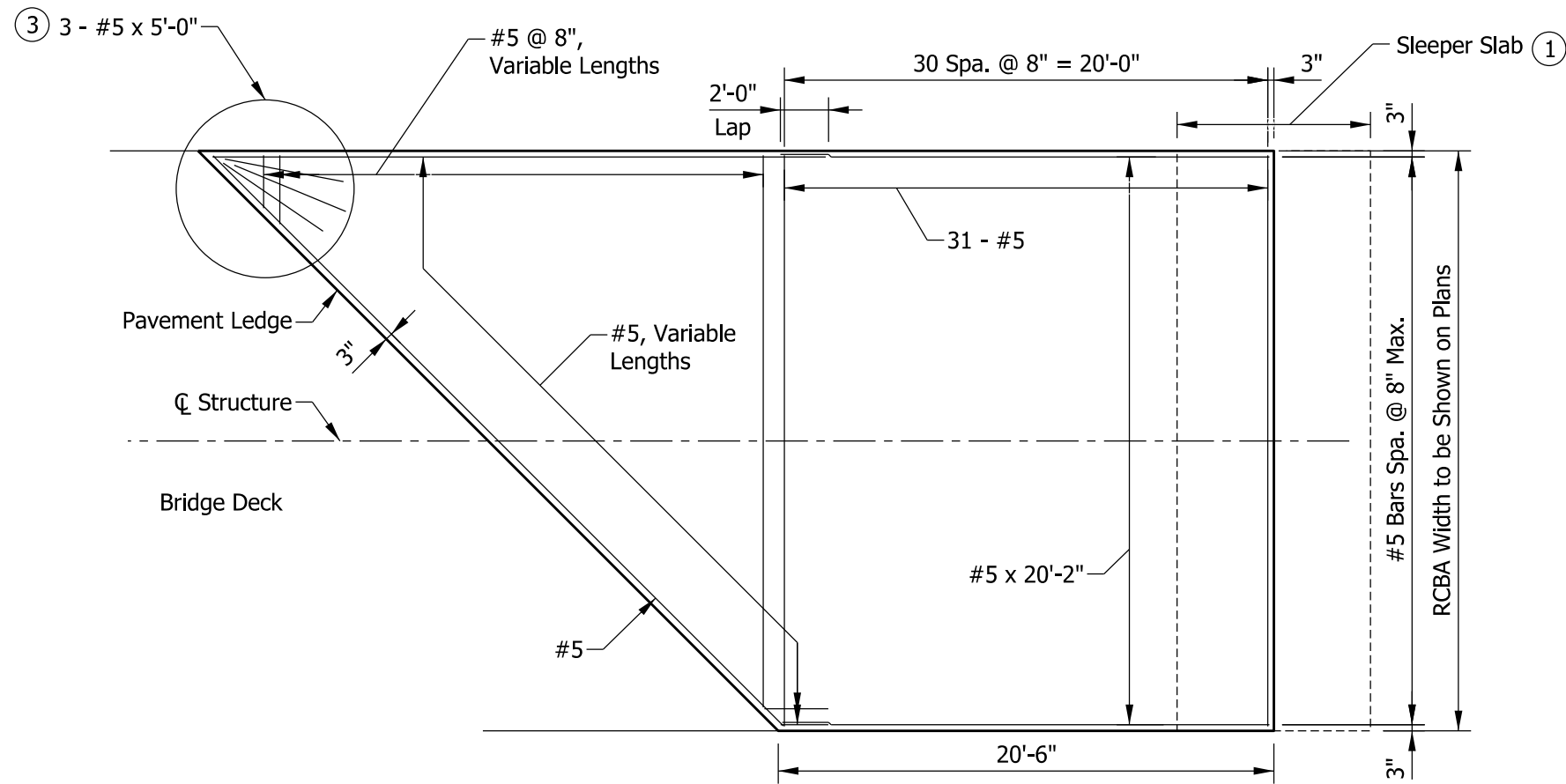
PLAN SHOWING TOP REINFORCING

3" | 30 Spa. @ 8" = 20'-0" | 3" | Sleeper Slab ①

3"

31 - #5 Bars

Pavement Ledge

℄ Structure

Bridge Deck

#5 x 20'-2"

#5 Bars Spa. @ 8" Max.

RCBA Width to be Shown on Plans

20'-6"

3"

PLAN SHOWING BOTTOM REINFORCING

3" | 10 Spa. @ 2'-0" = 20'-0" | 3" | Sleeper Slab ①

3"

11 - #5 Bars

Pavement Ledge

℄ Structure

Bridge Deck

591

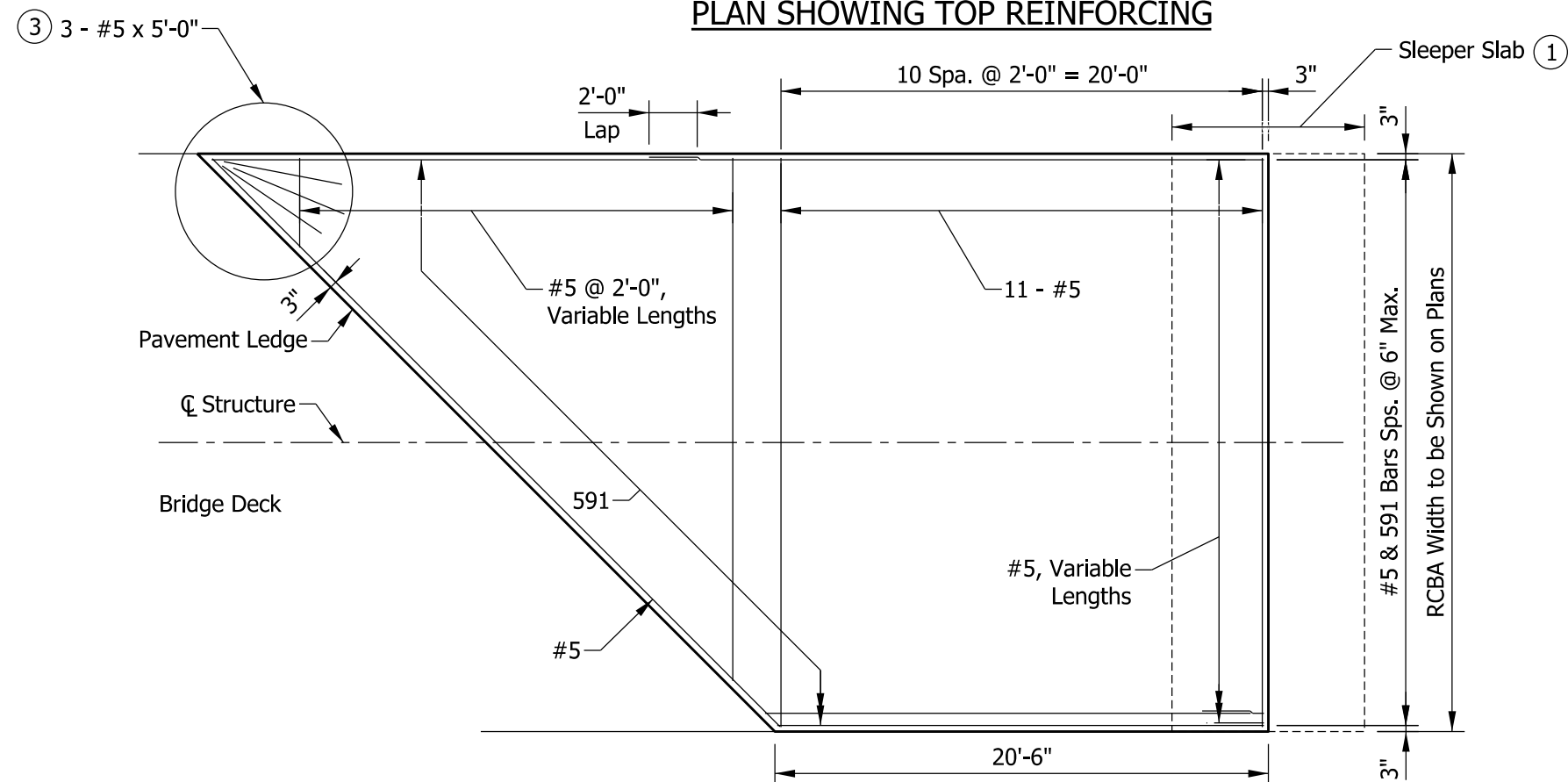591 Bars Spa. @ 6" Max.

RCBA Width to be Shown on Plans

20'-6"

3"

KEY:

RCBA = Reinforced Concrete Bridge Approach

INDIANA DEPARTMENT OF TRANSPORTATION
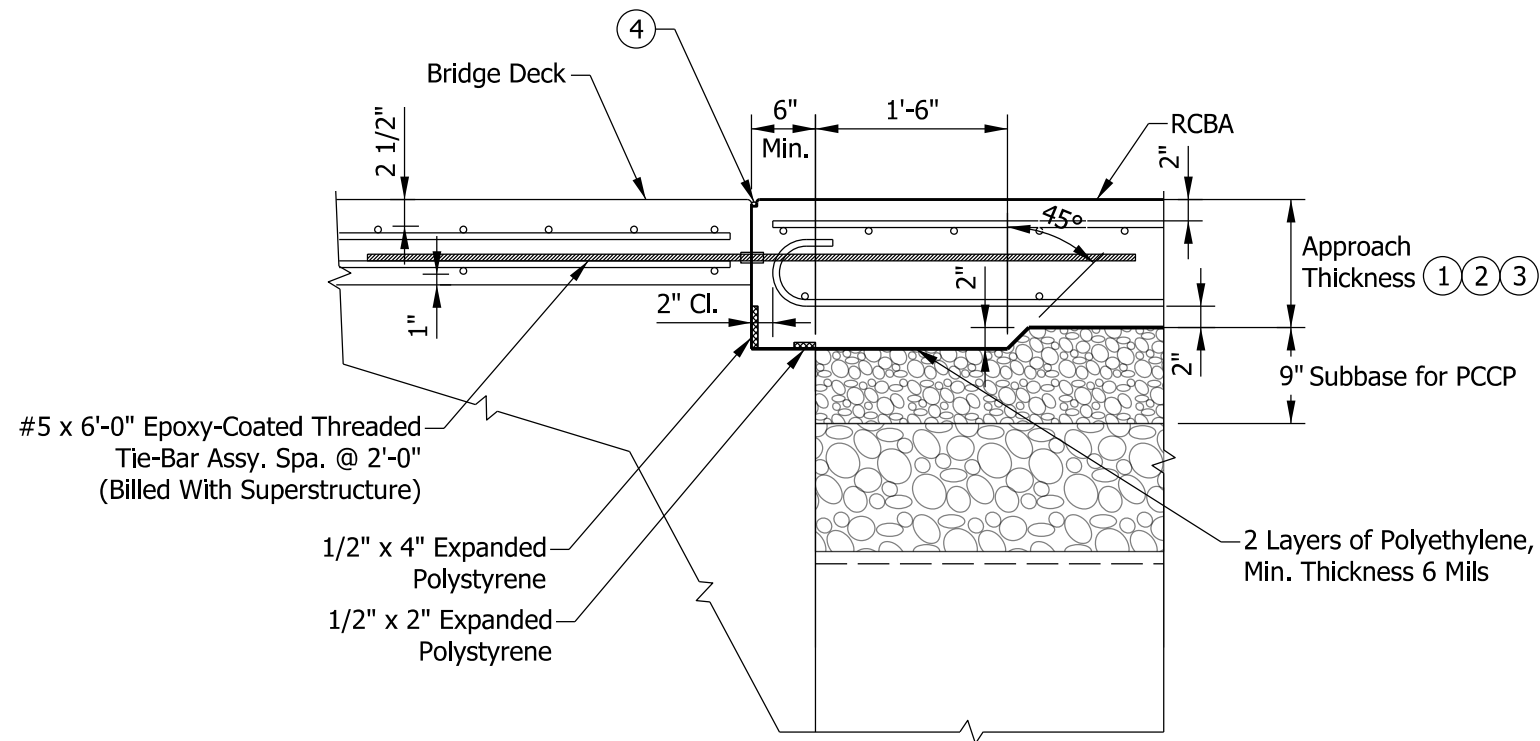
REINFORCED CONCRETE BRIDGE APPROACH SQUARE

NOTES:

1. When shown on 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° where variable-length transverse bars would be shorter than 2'-0", a fanned configuration of three #5 x 5'-0" reinforcing bars shall be provided.

PLAN SHOWING TOP REINFORCING

③ 3 - #5 x 5'-0"

#5 @ 8", Variable Lengths

30 Spa. @ 8" = 20'-0"

3"

Sleeper Slab ①

2'-0" Lap

3"

31 - #5

Pavement Ledge

3"

#5, Variable Lengths

℄ Structure

#5 Bars Spa. @ 8" Max.

RCBA Width to be Shown on Plans

Bridge Deck

#5 x 20'-2"

#5

20'-6"

3"

PLAN SHOWING BOTTOM REINFORCING

③ 3 - #5 x 5'-0"

10 Spa. @ 2'-0" = 20'-0"

3"

Sleeper Slab ①

2'-0" Lap

3"

11 - #5

Pavement Ledge

3"

#5 @ 2'-0", Variable Lengths

℄ Structure

#5 & 591 Bars Sps. @ 6" Max.

RCBA Width to be Shown on Plans

Bridge Deck

591

#5, Variable Lengths

#5

20'-6"

3"

KEY:

RCBA = Reinforced Concrete Bridge Approach

INDIANA DEPARTMENT OF TRANSPORTATION
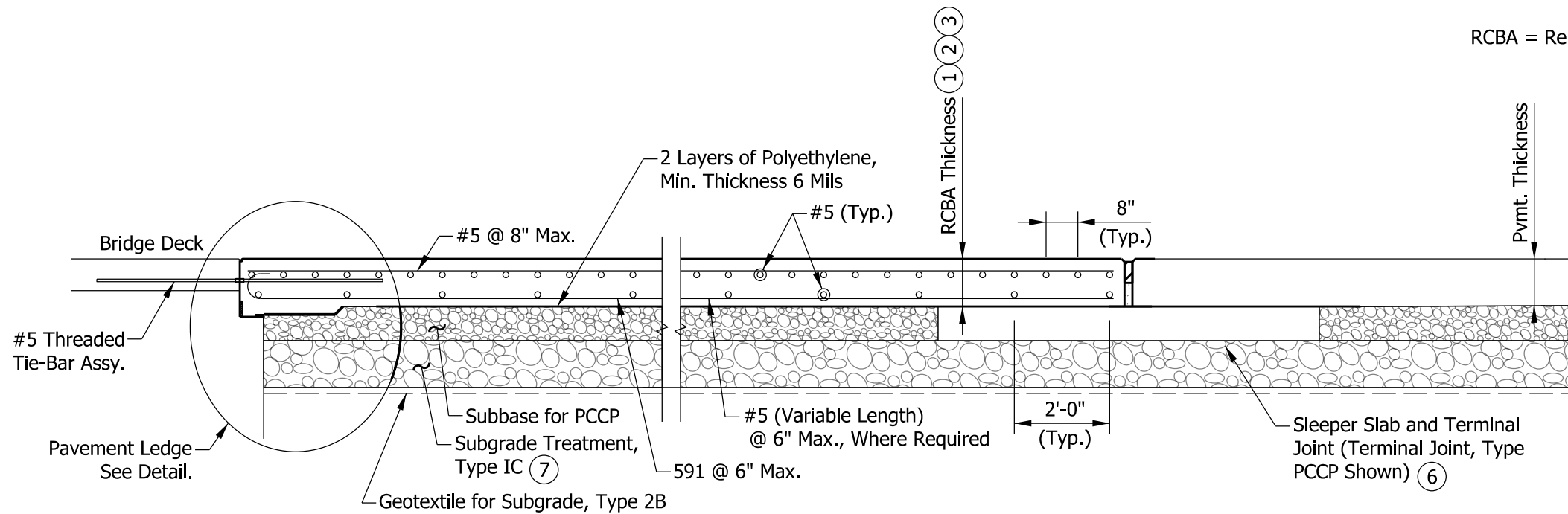
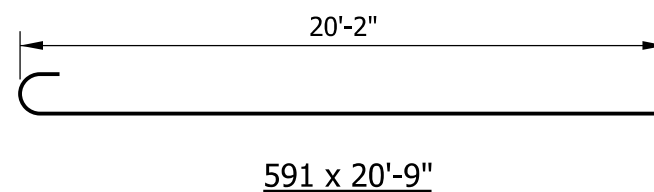## REINFORCED CONCRETE BRIDGE APPROACH SKEWED

NOTES:

1. See plans for approach thickness.

2. For HMA pavement:
   10 in. if design year AADT < 1000
   12 in. if design year AADT ≥ 1000

3. For PCCP:
   12 in. if pavement thickness < 12 in.
   Same as pavement thickness, if pavement thickness ≥ 12 in.

4. Joint type I-A. See Standard Drawing E 609-BRJT-01 for details.

5. See Standard Drawing E 703-BRST-01 for reinforcing-bar bending details and notes.

6. When shown on 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.

KEY:

RCBA = Reinforced Concrete Bridge Approach Pavement

PAVEMENT LEDGE DETAIL

Bridge Deck

2 1/2"

1"

6" Min.

1'-6"

RCBA

2"

45°

2"

Approach Thickness ①②③

2" Cl.

2"

2"

9" Subbase for PCCP

#5 x 6'-0" Epoxy-Coated Threaded Tie-Bar Assy. Spa. @ 2'-0" (Billed With Superstructure)

1/2" x 4" Expanded Polystyrene

1/2" x 2" Expanded Polystyrene

2 Layers of Polyethylene, Min. Thickness 6 Mils

SECTION THROUGH APPROACH

Bridge Deck

#5 @ 8" Max.

2 Layers of Polyethylene, Min. Thickness 6 Mils

#5 (Typ.)

RCBA Thickness ①②③

8" (Typ.)

Pvmt. Thickness

#5 Threaded Tie-Bar Assy.

Pavement Ledge See Detail.

Subbase for PCCP

Subgrade Treatment, Type IC ⑦

Geotextile for Subgrade, Type 2B

#5 (Variable Length) @ 6" Max., Where Required

591 @ 6" Max.

2'-0" (Typ.)

Sleeper Slab and Terminal Joint (Terminal Joint, Type PCCP Shown) ⑥

20'-2"

591 x 20'-9"

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REINFORCED CONCRETE BRIDGE APPROACH SECTION, PAVEMENT LEDGE, AND BAR BENDING DETAILS