



# INDIANA DEPARTMENT OF TRANSPORTATION

100 North Senate Avenue  
Room N758 CM  
Indianapolis, Indiana 46204

[www.in.gov/indot](http://www.in.gov/indot)

Eric Holcomb, Governor  
Mike Smith, Commissioner

# AGENDA

## April 18, 2024, Standards Committee Meeting

### MEMORANDUM

April 2, 2024

TO: Standards Committee

FROM: Scott Trammell, Secretary

RE: Agenda for the April 18, 2024, Standards Committee Meeting

A Standards Committee meeting is scheduled for 09:00 a.m. on Thursday, April 18, 2024, will be held virtually via *Teams* (Microsoft application). Please contact Scott Trammell ([strammell@indot.in.gov](mailto:strammell@indot.in.gov)) for instructions on how to join this event.

The following items are listed for consideration:

### A. GENERAL BUSINESS

#### OLD BUSINESS

*(No items on this agenda)*

#### NEW BUSINESS

1. *Approval of the Minutes from the March 21, 2024, meeting*

### B. CONCEPTUAL PROPOSAL

*(No items on this agenda)*

### C. STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND STANDARD DRAWINGS PROPOSAL

#### OLD BUSINESS

*(No items on this agenda)*

NEW BUSINESS

Item No. 1 Mr. White pg. 3

Standard Drawing:  
E 609-RCBA-04

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

Item No. 2 Mr. Novak pg. 8

Recurring Special Provision:  
203-B-025

MARION COUNTY BORROW AREAS  
(proposed to discontinue)

cc: Committee Members  
FHWA  
ICI

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: The current standard pavement ledge width of 6” can create vulnerabilities to future settlement of the RCBA relative to the bridge deck. The concrete-to-concrete bearing width is only 3 ½” after subtracting the widths of the PEJF material, so even a relatively small amount of deterioration or poor concrete consolidation can result in insufficient bearing capacity, which can lead to settlement. It has also been observed that the interface between the end of the RCBA and adjoining HMA pavement, when no terminal joint is required, can develop a slight separation that can allow water infiltration.

PROPOSED SOLUTION: Increase the standard pavement ledge width from 6” to 9” and add a detail to seal the interface between the end of the RCBA and adjoining HMA pavement when no terminal joint is required.

APPLICABLE STANDARD SPECIFICATIONS: 609 (no changes required)

APPLICABLE STANDARD DRAWING: E 609-RCBA-04

APPLICABLE DESIGN MANUAL CHAPTER: Several chapters in Section 4 contain figures that have been updated and will be published after the change to standards is approved.

APPLICABLE SECTION OF GIFE: N/A

APPLICABLE RECURRING SPECIAL PROVISION OR PLAN DETAILS: 609-B-311 & 609-B-322 (no changes required)

PAY ITEMS AFFECTED: No changes required to any pay items, including standard RCBA items.

APPLICABLE SUB-COMMITTEE ENDORSEMENT: INDOT/ASCE Structures Committee

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE:  
Contracts containing 609 pay items.

IMPACT ANALYSIS (attach report):

Submitted By: Pete White

Title: Design Manager

Division: INDOT Bridge Engineering

Email: [pewwhite@indot.in.gov](mailto:pewwhite@indot.in.gov)

Date: March 22, 2024

IMPACT ANALYSIS REPORT CHECKLIST

*Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.*

Does this item appear in any other specification sections? No

Will approval of this item affect the Qualified Products List (QPL)? No

Will this proposal improve:

Construction costs? No

Construction time? No

Customer satisfaction? Yes

Congestion/travel time? No

Ride quality? Yes

Will this proposal reduce operational costs or maintenance effort? Yes

Will this item improve safety:

For motorists? No

For construction workers? No

Will this proposal improve quality for:

Construction procedures/processes? No

Asset preservation? Yes

Design process? No

Will this change provide the contractor more flexibility? No

Will this proposal provide clarification for the Contractor and field personnel? No

Can this item improve/reduce the number of potential change orders? No

Is this proposal needed for compliance with:

Federal or State regulations? No

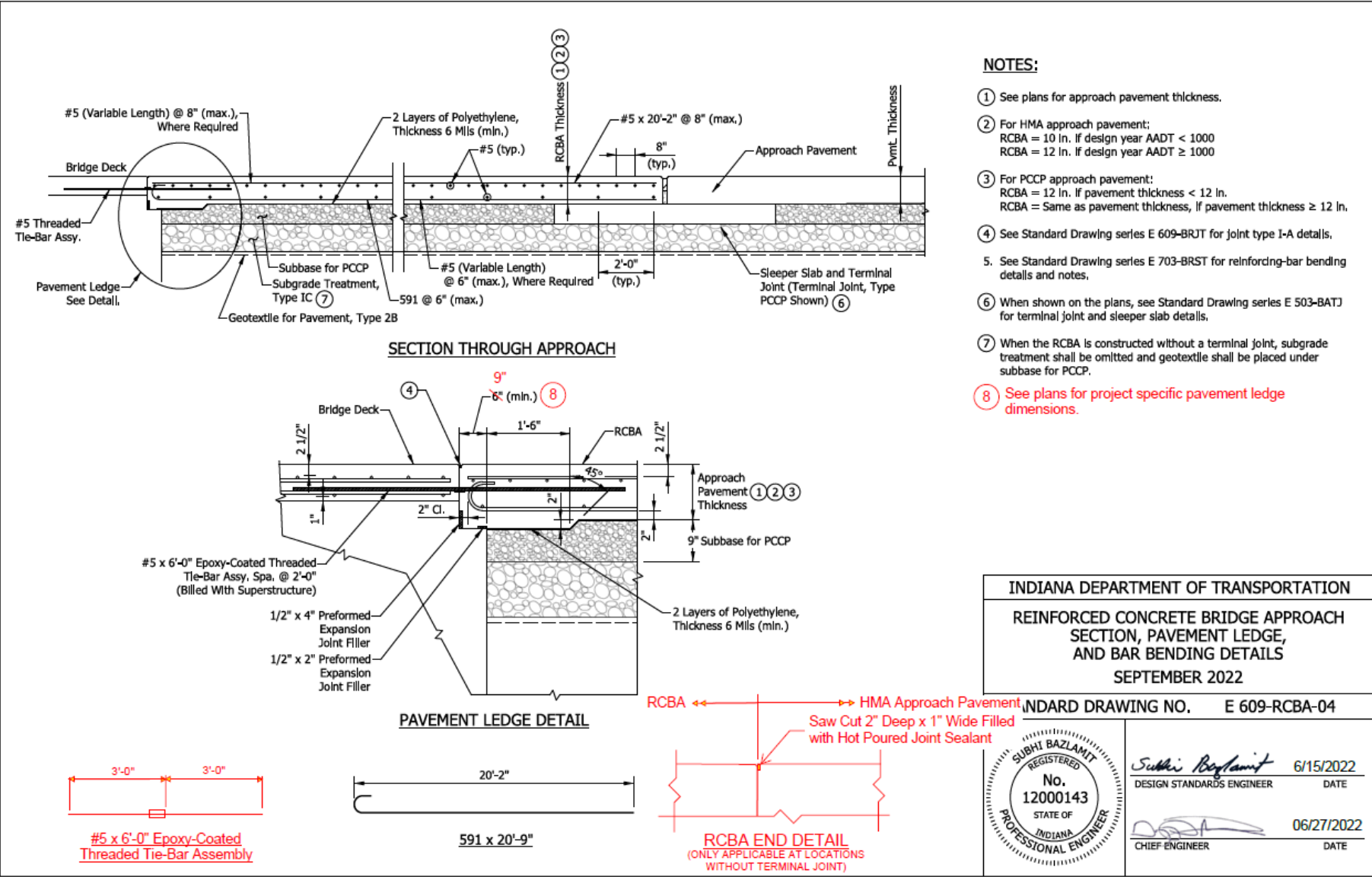
AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda:

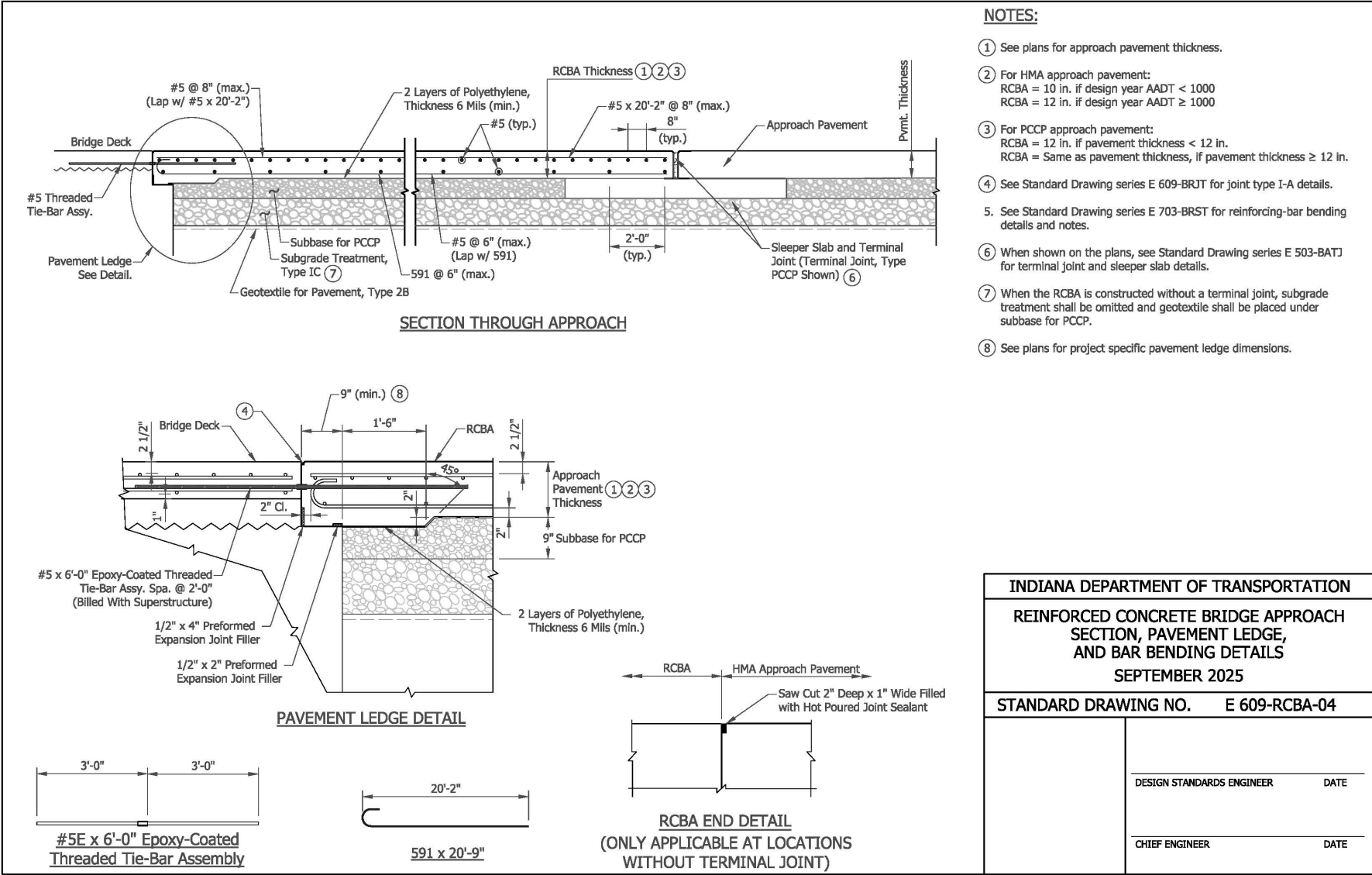
REVISION TO 2024 STANDARD DRAWINGS

E 609-RCBA-04 REINFORCED CONCRETE BRIDGE APPROACH SECTION, PAVEMENT LEDGE, AND BAR BENDING DETAILS (with shown markups)



REVISION TO 2024 STANDARD DRAWINGS

E 609-RCBA-04 REINFORCED CONCRETE BRIDGE APPROACH SECTION, PAVEMENT LEDGE, AND BAR BENDING DETAILS (proposed draft)



<b>INDIANA DEPARTMENT OF TRANSPORTATION</b>	
<b>REINFORCED CONCRETE BRIDGE APPROACH SECTION, PAVEMENT LEDGE, AND BAR BENDING DETAILS</b>	
<b>SEPTEMBER 2025</b>	
<b>STANDARD DRAWING NO. E 609-RCBA-04</b>	
DESIGN STANDARDS ENGINEER	DATE
CHIEF ENGINEER	DATE

COMMENTS AND ACTION

E 609-RCBA-04 REINFORCED CONCRETE BRIDGE APPROACH SECTION, PAVEMENT LEDGE, AND BAR BENDING DETAILS

DISCUSSION:

<p>Motion:          Second:          Ayes:          Nays:          FHWA Approval:</p>	<p><b>Action:</b>  <input type="checkbox"/> Passed as Submitted  <input type="checkbox"/> Passed as Revised  <input type="checkbox"/> Withdrawn</p>
<p>2024 Standard Specifications Sections:          609 begin pg. 520.</p>	<p><input type="checkbox"/> 2026 Standard Specifications  <input type="checkbox"/> Revise Pay Items List  <input type="checkbox"/> Notification to Designers if change is <u>not</u> addressed by RSP</p>
<p>Recurring Special Provisions or Plan Details:          609-B-311 &amp; 609-B-322 (no changes required)</p>	<p><input type="checkbox"/> Create RSP (No. __)          Effective:</p>
<p>Standard Drawing affected:          E 609-RCBA-04</p>	<p><input type="checkbox"/> Revise RSP (No. __)          Effective:</p>
<p>Design Manual Chapter:          Several chapters in Section 4 contain figures that have been updated and will be published after the change to standards is approved.</p>	<p><input type="checkbox"/> Standard Drawing          Effective:  <input type="checkbox"/> Create RPD (No. __)          Effective:</p>
<p>GIFE Section:          N/A</p>	<p><input type="checkbox"/> GIFE Update  <input type="checkbox"/> Frequency Manual Update  <input type="checkbox"/> SiteManager Update</p>

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: Questions have arisen from the Contracts Division regarding the Basis for Use for RSP 203-B-025 Marion County Borrow Areas.

PROPOSED SOLUTION: Discontinue the use of the RSP, it is no longer needed. It has been in use since prior to 1987. A Marion County Master Plan Zoning Ordinance was amended in 1965 to establish Gravel/Sand/Borrow Districts. It allowed excavation in any zoning district for state highway contract work as part of a permit application process. However, the location of a project doesn't necessarily determine the location of the borrow pit, many counties (not just Marion) would have similar requirements, Std Spec 107.01 already covers this generally, and we have since implemented a robust IC-203 form as part of the approval process since this RSP was first created. Concurrence to discontinue was provided by the Indianapolis Dept. of Public Works.

APPLICABLE STANDARD SPECIFICATIONS: n/a

APPLICABLE STANDARD DRAWING: n/a

APPLICABLE DESIGN MANUAL CHAPTER: n/a

APPLICABLE SECTION OF GIFE: n/a

APPLICABLE RECURRING SPECIAL PROVISION OR PLAN DETAILS: RSP 203-B-025

PAY ITEMS AFFECTED: n/a

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Ad hoc Sara Lamkin (Environmental Services), Joe Novak

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: n/a

IMPACT ANALYSIS (attach report):

Submitted By: Joe Novak

Title: State Construction Engineer

Division: Construction Management

E-mail: jnovak@indot.in.gov

Date: 4/2/24



IMPACT ANALYSIS REPORT CHECKLIST

*Explain the business case as to why this item should be presented to the Standards Committee for approval. Answer the following questions with Yes, No or N/A.*

Does this item appear in any other specification sections? no

Will approval of this item affect the Qualified Products List (QPL)? no

Will this proposal improve:

Construction costs? no

Construction time? no

Customer satisfaction? no

Congestion/travel time? no

Ride quality? no

Will this proposal reduce operational costs or maintenance effort? no

Will this item improve safety:

For motorists? no

For construction workers? no

Will this proposal improve quality for:

Construction procedures/processes? no

Asset preservation? no

Design process? no

Will this change provide the contractor more flexibility? no

Will this proposal provide clarification for the Contractor and field personnel? no

Can this item improve/reduce the number of potential change orders? no

Is this proposal needed for compliance with:

Federal or State regulations? no

AASHTO or other design code? no

Is this item editorial? no

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda:

REVISION TO 2024 RECURRING SPECIAL PROVISION

203-B-025 MARION COUNTY BORROW AREAS (proposed to discontinue)

203-B-025 MARION COUNTY BORROW AREAS

(Revised 05-20-23)

The Standard Specifications are revised as follows:

SECTION 203, AFTER LINE 260, INSERT AS FOLLOWS:

*Borrow areas in Marion County shall be in accordance with the applicable requirements of the Marion County Master Zone Plan with regard to the establishment of borrow areas and the production of sand and gravel as may be required.*

AGENDA

COMMENTS AND ACTION

203-B-025 MARION COUNTY BORROW AREAS

DISCUSSION:

Motion:	<b>Action:</b>
Second:	<input type="checkbox"/> Passed as Submitted
Ayes:	<input type="checkbox"/> Passed as Revised
Nays:	<input type="checkbox"/> Withdrawn
FHWA Approval:	
2024 Standard Specifications Sections: 203 begin pg. 152.	<input type="checkbox"/> 2026 Standard Specifications
Recurring Special Provisions or Plan Details: 203-B-025 MARION COUNTY BORROW AREAS	<input type="checkbox"/> Revise Pay Items List
Standard Drawing affected: NONE	<input type="checkbox"/> Notification to Designers if change is <u>not</u> addressed by RSP
Design Manual Chapter: NONE	<input type="checkbox"/> Create RSP (No. __) Effective:
GIFE Section: NONE	<input type="checkbox"/> Revise RSP (No. __) Effective:
	<input type="checkbox"/> Standard Drawing Effective:
	<input type="checkbox"/> Create RPD (No. __) Effective:
	<input type="checkbox"/> GIFE Update
	<input type="checkbox"/> Frequency Manual Update
	<input type="checkbox"/> SiteManager Update