



# 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

## November 17, 2023, Standards Committee Meeting

MEMORANDUM

October 31, 2023

TO: Standards Committee

FROM: Scott Trammell, Secretary

RE: Agenda for the November 17, 2023, Standards Committee Meeting

A Standards Committee meeting is scheduled for 09:00 a.m. on Friday, November 17, 2023, will be held virtually via *Teams* (Microsoft application). Please contact Scott Trammell ([stammell@indot.in.gov](mailto:stammell@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 [October 19, 2023](#) meeting*
2. *Approval of the **Schedule of the Standards Committee meetings, proposals submittals, and distributions of the Agendas and the Minutes in 2024** (Mr. Trammell) ..... [pg. 3](#)*

### B. CONCEPTUAL PROPOSAL

*(No items on this agenda)*

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

OLD BUSINESS

[Item No. 6 \(08/17/23\)](#) [Mr. Novak](#) [pg. 4](#)

2024 Standard Specifications:

702.28

Basis of Payment

NEW BUSINESS

[Item No. 1](#) [Mr. Reilman](#) [pg. 8](#)

Recurring Special Provision:

704-B-XXX

LIGHTWEIGHT CONCRETE FOR FLOOR SLABS

[Item No. 2](#) [Mr. Novak](#) [pg. 12](#)

2024 Standard Specifications:

205.03(g)

Inspections

[Item No. 3](#) [Mr. White](#) [pg. 18](#)

Recurring Plan Details:

~~724-B-147d~~

ALTERNATE SS JOINT (proposed to delete)

cc: Committee Members  
FHWA  
ICI

**Schedule of the Standards Committee meetings, proposals submittals, and distributions of the Agendas and the Minutes in 2024**

Standards Committee Meeting Date	Agenda Items Due <sup>(1)</sup>	Agenda Distributed and Published	First Draft Minutes Distributed	Comments Due for Draft Minutes	Final Draft Minutes Distributed	Approved Minutes Published
on a 3rd Thursday of the month	(- 24 days)	(- 17 days)	(+ 6 days)	(+ 13 days)	(+ 21 days)	(+ 35 - 42 days)
January 18, 2024	December 25, 2023	January 2, 2024	January 24, 2024	January 31, 2024	February 8, 2024	February 22, 2024
February 15, 2024	January 22, 2024	January 29, 2024	February 21, 2024	February 28, 2024	March 7, 2024	March 28, 2024
March 21, 2024	February 26, 2024	March 4, 2024	March 27, 2024	April 3, 2024	April 11, 2024	April 25, 2024
April 18, 2024	March 25, 2024	April 1, 2024	April 24, 2024	May 1, 2024	May 9, 2024	May 30, 2024
May 16, 2024	April 22, 2024	April 29, 2024	May 22, 2024	May 29, 2024	June 6, 2024	June 27, 2024
June 20, 2024	May 28, 2024	June 3, 2024	June 26, 2024	July 3, 2024	July 11, 2024	July 25, 2024
July 18, 2024	June 24, 2024	July 1, 2024	July 24, 2024	July 31, 2024	August 8, 2024	August 29, 2024
August 15, 2024	July 22, 2024	July 29, 2024	August 21, 2024	August 28, 2024	September 5, 2024	September 26, 2024
September 19, 2024	August 26, 2024	September 3, 2024	September 25, 2024	October 2, 2024	October 10, 2024	October 31, 2024
October 17, 2024	September 23, 2024	September 30, 2024	October 23, 2024	October 30, 2024	November 7, 2024	November 27, 2024
November 21, 2024	October 28, 2024	November 4, 2024	November 26, 2024	December 4, 2024	December 12, 2024	December 27, 2024
December 19, 2024	November 25, 2024	December 2, 2024	December 26, 2024	January 2, 2025	January 9, 2025	January 30, 2025

**Notes:** Agenda items must be submitted by the due date shown, and be accompanied by a Proposal sheet.

The **February\*** meeting is the last opportunity for the approval of the Standard Drawings effective on September 1, 2024.

Shaded dates are exceptions to the regular schedule.

PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: The basis of payment for foundation seal and excavation for foundation seal is lacking clarity. A recent claim on the subject brought this to the attention of Construction Management.

PROPOSED SOLUTION: Clarify the basis of payment language in 702.28 to account for an increased cofferdam size and a corresponding increased foundation seal size due to constructability concerns allowed for in 206.09. Also clarify the basis of payment language to account for payment of foundation seal and foundation seal excavation when it is added to a contract due to adverse dewatering site conditions.

APPLICABLE STANDARD SPECIFICATIONS: 702.28

APPLICABLE STANDARD DRAWINGS: N/A

APPLICABLE DESIGN MANUAL SECTION: 408-2.12

APPLICABLE SECTION OF GIFE: 5.6

APPLICABLE RECURRING SPECIAL PROVISIONS: N/A

PAY ITEMS AFFECTED: 702-51046 Concrete, Foundation Seal

APPLICABLE SUB-COMMITTEE ENDORSEMENT: none

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: All Contracts with the Cofferdam pay item (206-51235).

IMPACT ANALYSIS (attach report):

Submitted By: Joe Novak

Title: State Construction Engineer

Organization: INDOT

Phone Number: 317-501-7805

Date: 10/25/23

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? 206.09

Will approval of this item affect the Approved Materials List? 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? Yes

Will this proposal improve quality for:

Construction procedures/processes? Yes

Asset preservation? No

Design process? No

Will this change provide the contractor more flexibility? Yes

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? Yes

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: N/A

REVISION TO 2024 STANDARD SPECIFICATIONS

SECTION 702 – STRUCTURAL CONCRETE

702.28 Basis of Payment

(Note: Proposed changes shown highlighted gray)

The Standard Specifications are revised as follows:

SECTION 702, BEGIN LINE 1353, DELETE AND INSERT AS FOLLOWS:

If a foundation seal is constructed as shown on the plans, it will be paid for at the contract price per cubic yard for concrete, foundation seal. *If a foundation seal is added to the contract, If ordered to be done, or allowed to be done,* payment will be made at a unit price per cubic yard equal to 75% of the contract unit price per cubic yard for class B concrete in footings. The excavation for the foundation seal will be paid for at the contract unit price per cubic yard for the class of excavation specified for the footing. *If the foundation seal is constructed as shown on the plans* ~~Unless otherwise provided,~~ the pay quantity for excavation for foundation seal will be equal to the theoretical volume bounded by the bottom of the proposed footing, the bottom of the approved excavation, and vertical planes 18 in. outside the neat line of the footing and parallel thereto, regardless of the quantity actually removed. ~~If design of the structure requires sheeting to be outside these limits, the limits will be extended to 6 in. beyond the neat lines required by the design of the structure.~~ *If a foundation seal is added to the contract, the pay quantity for excavation for foundation seal will be equal to the theoretical volume bounded by the bottom of the proposed footing, the bottom of the approved excavation, and the inside face of sheeting as detailed on the approved cofferdam working drawings with no allowance for sheeting corrugation.* If the Contractor chooses to increase the planned cofferdam footprint in size due to constructability concerns in accordance with 206.09 or chooses to construct a rectangular cofferdam around a U-shaped abutment in lieu of following the outline of the footing, the maximum allowable increase in the pay quantity *for excavation for foundation seal* above the theoretical shall not exceed 25%. The pay quantity for the foundation seal will be equal to the *allowable pay quantity for* excavation volume described above.

COMMENTS AND ACTION

702.28 Basis of Payment

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:          702.28 pg. 648.</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:          NONE</p>	<p><input type="checkbox"/> Create RSP (No. __)          Effective:</p>
<p>Standard Drawing affected:          NONE</p>	<p><input type="checkbox"/> Revise RSP (No. __)          Effective:</p>
<p>Design Manual Chapter:          408-2.12</p>	<p><input type="checkbox"/> Standard Drawing          Effective:</p>
<p>GIFE Section:          5.6</p>	<p><input type="checkbox"/> Create RPD (No. __)          Effective:</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: Occasionally there is a need for the use of lightweight concrete in some scenarios such as for the rehabilitation of historical bridges. However, the standard specifications do not allow for the use of lightweight concrete.

PROPOSED SOLUTION: Create an RSP for lightweight concrete for use in concrete floor slabs when it is deemed necessary by INDOT.

APPLICABLE STANDARD SPECIFICATIONS: 704

APPLICABLE STANDARD DRAWINGS: none

APPLICABLE DESIGN MANUAL SECTION: Chapter 405

APPLICABLE SECTION OF GIFE: none

APPLICABLE RECURRING SPECIAL PROVISIONS: create new 704 RSP

PAY ITEMS AFFECTED: None

APPLICABLE SUB-COMMITTEE ENDORSEMENT: INDOT-IRMCA working committee (8-31-23) and INDOT Bridge Design

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: As approved by the Bridge Design Director.

IMPACT ANALYSIS (attach report):

Submitted By: Jim Reilman

Title: State Materials Engineer

Organization: INDOT

Phone Number: (317) 522-9692

Date: 10/20/23



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 Approved Materials List? No

Will this proposal improve:

Construction costs? Yes

Construction time? N/A

Customer satisfaction? Yes

Congestion/travel time? N/A

Ride quality? N/A

Will this proposal reduce operational costs or maintenance effort? N/A

Will this item improve safety:

For motorists? N/A

For construction workers? N/A

Will this proposal improve quality for:

Construction procedures/processes? Yes

Asset preservation? Yes

Design process? Yes

Will this change provide the contractor more flexibility? N/A

Will this proposal provide clarification for the Contractor and field personnel? Yes

Can this item improve/reduce the number of potential change orders? N/A

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 SPECIAL PROVISIONS

704-B-XXX LIGHTWEIGHT CONCRETE FOR FLOOR SLABS (proposed new)

(Note: Proposed changes shown highlighted gray.)

Changes to the Standard Specifications shown in this recurring special provision apply only to the bridge identified on the plans as requiring lightweight concrete to be used in the bridge deck.)

704-B-XXX LIGHTWEIGHT CONCRETE FOR FLOOR SLABS

(Adopted xx-xx-23)

The Standard Specifications are revised as follows:

SECTION 505, BEGIN LINE 24, INSERT AS FOLLOWS:

\*\* If slag *or lightweight* aggregate is used, the method and procedure for the test shall be in accordance with ASTM C173.

SECTION 702, BEGIN LINE 92, INSERT AS FOLLOWS:

The relative yield of the concrete shall be determined in accordance with 505. The concrete when produced shall provide a relative yield of  $1.00 \pm 0.02$ . When the relative yield is outside the tolerances, adjustments to the batch weights shall be made. *When lightweight concrete is used, the plastic unit weight shall not exceed the CMD target unit weight by more than 2.5 lb/cu ft. Otherwise, the lightweight concrete will be deemed a failed material and an investigation will be conducted by the Department's Division of Materials and Tests to determine if the final in-place unit weight is less than 120 lb/cu ft at a minimum of 28 days of age.* The minimum amount of cement shall be used for the desired class of concrete. The cement content shall not be increased more than 60 lb/cu yd. The relative yield of the concrete shall be maintained as stated above. If Type IP or Type IP-A cements are to be used in the structural concrete, the cement content shall be increased by a multiplier of 1.06 times the minimum amount of cement required or the desired increased cement content for the specified class of concrete.

SECTION 704, BEGIN LINE 9, INSERT AS FOLLOWS:

**704.02 Materials**

Materials shall be in accordance with the following:

Castings .....	910.05
Concrete, Class C .....	702
Joint Materials .....	906
Profile Wall PVC Pipe .....	907.22
Reinforcing Bars .....	910.01
Smooth Wall PVC Pipe.....	907.23

**(a) Lightweight Concrete**

*Lightweight concrete shall be achieved by replacing a portion or all of the concrete coarse aggregate with lightweight aggregate in accordance with AASHTO M 195. The lightweight coarse aggregate shall be either expanded clay, expanded shale, or expanded slate and the gradation shall be in accordance with 904.03(e) size No. 91.*

**1. Concrete Mix Properties**

REVISION TO SPECIAL PROVISIONS

704-B-XXX LIGHTWEIGHT CONCRETE FOR FLOOR SLABS (proposed new)

*The CMD shall be in accordance with section 702 with the following exceptions:*

<i>Maximum unit weight (equilibrium) .....</i>	<i>120 lb/cu ft</i>
<i>Maximum unit weight (wet) .....</i>	<i>124 lb/cu ft</i>
<i>Minimum cement content .....</i>	<i>564 lb/cu yd</i>
<i>Maximum cement content .....</i>	<i>700 lb/cu yd</i>
<i>Minimum compressive strength .....</i>	<i>4,000 psi</i>

*The coarse aggregate stockpile shall be soaked continuously for a minimum of 72 h immediately prior to placement of the concrete or the trial batch demonstration.*

**(b) Trial Batch**

*A trial batch shall be produced to verify that the lightweight CMD complies with the physical properties specified. Wet unit weight, equilibrium unit weight in accordance with ASTM C567, air content in accordance with ASTM C173, slump, yield, and both 7-day and 28-day compressive strengths shall all be performed by the Contractor's ACI-Certified Concrete Field Testing Technician, Grade I. The equilibrium unit weight shall be determined when the lightweight concrete is a minimum of 90 days old. The Engineer will also perform all tests done by the Contractor except equilibrium unit weight and report the results to the Contractor. All cylinders shall be 6 in. by 12 in. and cured in accordance with 505.01(a) and Section 10.1 of AASHTO R 100. Compressive strength will be based on the average of two cylinders. A minimum of six cylinders, which includes two spare cylinders, shall be made for determining compressive strength at 7 and 28 days of age. A minimum of three cylinders shall be made for determining the equilibrium unit weight. The equilibrium unit weight shall be based on the average of a minimum of two cylinders.*

SECTION 704, BEGIN LINE 149, DELETE AND INSERT AS FOLLOWS:

*After final smoothness checking, the surface shall be ~~longitudinally grooved in accordance with 722.11~~ tined in the transverse direction in accordance with the following. Tining shall consist of transverse grooves that are between 3/32 and 1/8 in. in width, between 1/8 and 3/16 in. in depth, and be spaced as follows: 5/8 in., 1 in., 7/8 in., 5/8 in., 1 1/4 in., 3/4 in., 1 in., 1 in., 1 in., 1 in., 3/4 in., 7/8 in., 1 3/4 in., 7/8 in., 3/8 in., 1 in., 1 in., 1 1/4 in., 1 1/2 in., 7/8 in., 3/4 in., 7/8 in., 1 in., 7/8 in., 1 in. The grooving pattern shall be repeated across the bridge floor. The grooves shall be formed in the plastic concrete without tearing the surface and without bringing pieces of the coarse aggregate to the top of the surface. Machine grooving or grinding shall not be performed on the bridge floor.*

SECTION 704, BEGIN LINE 161, INSERT AS FOLLOWS:

*Opening to traffic shall be ~~in accordance with the applicable provisions of 702.24.~~ based on the average of two 6 in. by 12 in. cylinders tested for compressive strength in accordance with 704.02(b).*

**704.07 Method of Measurement**

Concrete floor slab will be measured by the cubic yard in accordance with 702.27. However, no allowance will be made for variations in beam fillet depths, coping depths, or diaphragm depths, which are deemed necessary due to the beam camber, as constructed,

REVISION TO SPECIAL PROVISIONS

704-B-XXX LIGHTWEIGHT CONCRETE FOR FLOOR SLABS (proposed new)

which varies from that shown on the plans. Reinforcing bars will be measured in accordance with 703.07. Castings will be measured in accordance with 702.27.

~~Longitudinal grooving will be measured in accordance with 722.15. Transverse tining will not be measured.~~

**704.08 Basis of Payment**

The accepted quantities of concrete floor slab will be paid for at the contract unit price per cubic yard for concrete, C, superstructure, *lightweight*. Reinforcing bars will be paid for in accordance with 703.08. Castings will be paid for in accordance with 702.28.

~~Longitudinal grooving will be paid for in accordance with 722.16.~~

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit Symbol</b>
Concrete, C, Superstructure .....	CYS
<i>Concrete, C, Superstructure, Lightweight</i> .....	<i>CYS</i>

The cost of forms, curing, finishing *including transverse tining*, preformed expansion joints within structure limits, slab bridge floor drains, and necessary incidentals shall be included in the cost of the pay items. *The cost of manufacturing, testing, transportation, handling, and all other costs associated with furnishing lightweight concrete in accordance with this specification shall be included in the cost of the pay items.*

COMMENTS AND ACTIONS

704-B-XXX LIGHTWEIGHT CONCRETE FOR FLOOR SLABS

DISCUSSION:

<p>Motion:          Second:          Ayes:          Nays:          FHWA Approval:</p>	<p><b><u>Action:</u></b>  <input type="checkbox"/> Passed as Submitted  <input type="checkbox"/> Passed as Revised  <input type="checkbox"/> Withdrawn</p>
<p>2024 Standard Specifications Sections:          704 pg(s). 653 – 657.</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:          Proposed new</p>	<p><input type="checkbox"/> Create RSP (No. __)          Effective:</p>
<p>Standard Drawing affected:          NONE</p>	<p><input type="checkbox"/> Revise RSP (No. __)          Effective:</p>
<p>Design Manual Chapter:          405</p>	<p><input type="checkbox"/> Standard Drawing          Effective:</p>
<p>GIFE Section:          NONE</p>	<p><input type="checkbox"/> Create RPD (No. __)          Effective:</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: It has come to our attention that there is language in the 205 section that leads to some confusion about the requirement for inspections for contracts with only a waterway permit. The intent of the current specifications is to only conduct formal inspections of INDOT sites when required by the CSGP.

PROPOSED SOLUTION: This proposal removes the conflicting language from 205.03(g).

APPLICABLE STANDARD SPECIFICATIONS: 205.03(g)

APPLICABLE STANDARD DRAWINGS: None

APPLICABLE DESIGN MANUAL SECTION: 205

APPLICABLE SECTION OF GIFE: 3.1, No changes required.

APPLICABLE RECURRING SPECIAL PROVISIONS: None

PAY ITEMS AFFECTED: None

APPLICABLE SUB-COMMITTEE ENDORSEMENT: N/A

IF APPROVED AS RECURRING SPECIAL PROVISION OR PLAN DETAILS, PROPOSED BASIS FOR USE: All contracts with a 205 item.

IMPACT ANALYSIS (attach report): Yes

Submitted By: Joe Novak

Title: State Construction Engineer

Division: Construction Management

E-mail: jnovak@indot.in.gov

Date: 10/24/2023

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? Yes

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? Yes

Asset preservation? No

Design process? No

Will this change provide the contractor more flexibility? Yes

Will this proposal provide clarification for the Contractor and field personnel? Yes

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 SPECIFICATIONS

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SECTION 205 – STORMWATER MANAGEMENT

205.03(g) Inspections

(Note: Proposed changes shown highlighted gray)

The Standard Specifications are revised as follows:

SECTION 205, BEGIN LINE 241, DELETE AS FOLLOWS:

**(g) Inspections**

Inspection shall be required on all work areas associated a CSGP. This shall include drainage areas within contract limits leading to BMPs, areas of land-disturbance, and areas with impacts or potential impacts to protected resources. For contracts that have multiple work sites, inspections shall only be required for areas operating under a CSGP ~~or a waterway permit.~~

AGENDA



COMMENTS AND ACTION

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205.03(g) Inspections

DISCUSSION:

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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:	
<hr/>	
2024 Standard Specifications Sections: 205.03(g) pg. 199.	<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
Recurring Special Provisions or Plan Details:	
NONE	<input type="checkbox"/> Create RSP (No. __) Effective:
Standard Drawing affected: NONE	<input type="checkbox"/> Revise RSP (No. __) Effective:
Design Manual Chapter: NONE	<input type="checkbox"/> Standard Drawing Effective:
GIFE Section: NONE	<input type="checkbox"/> Create RPD (No. __) Effective:
	<input type="checkbox"/> GIFE Update
	<input type="checkbox"/> Frequency Manual Update
	<input type="checkbox"/> SiteManager Update

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PROPOSAL TO STANDARDS COMMITTEE

PROBLEM(S) ENCOUNTERED: The Alternate SS Joint, as shown on recurring plan detail RPD 724-B-147d, has experienced early failures at several locations.

PROPOSED SOLUTION: Eliminate RPD 724-B-147d

APPLICABLE STANDARD SPECIFICATIONS: Section 724, no changes required

APPLICABLE STANDARD DRAWING: 724-BSSJ, no changes required

APPLICABLE DESIGN MANUAL CHAPTER: IDM Chapter 404, no changes required

APPLICABLE SECTION OF GIFE: 5.20, no changes required

APPLICABLE RECURRING SPECIAL PROVISION OR PLAN DETAILS: RPD 724-B-147d, to be deleted

PAY ITEMS AFFECTED: No current pay items specific to Alternate SS Joints

APPLICABLE SUB-COMMITTEE ENDORSEMENT: Ad hoc committee including INDOT Bridge Asset Engineers and INDOT Standards and Policy Division.

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

IMPACT ANALYSIS (attach report):

Submitted By: Pete White

Title: Design Manager

Division: INDOT Bridge Engineering

E-mail: [pewwhite@indot.in.gov](mailto:pewwhite@indot.in.gov)

Date: October 25, 2023

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? No

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

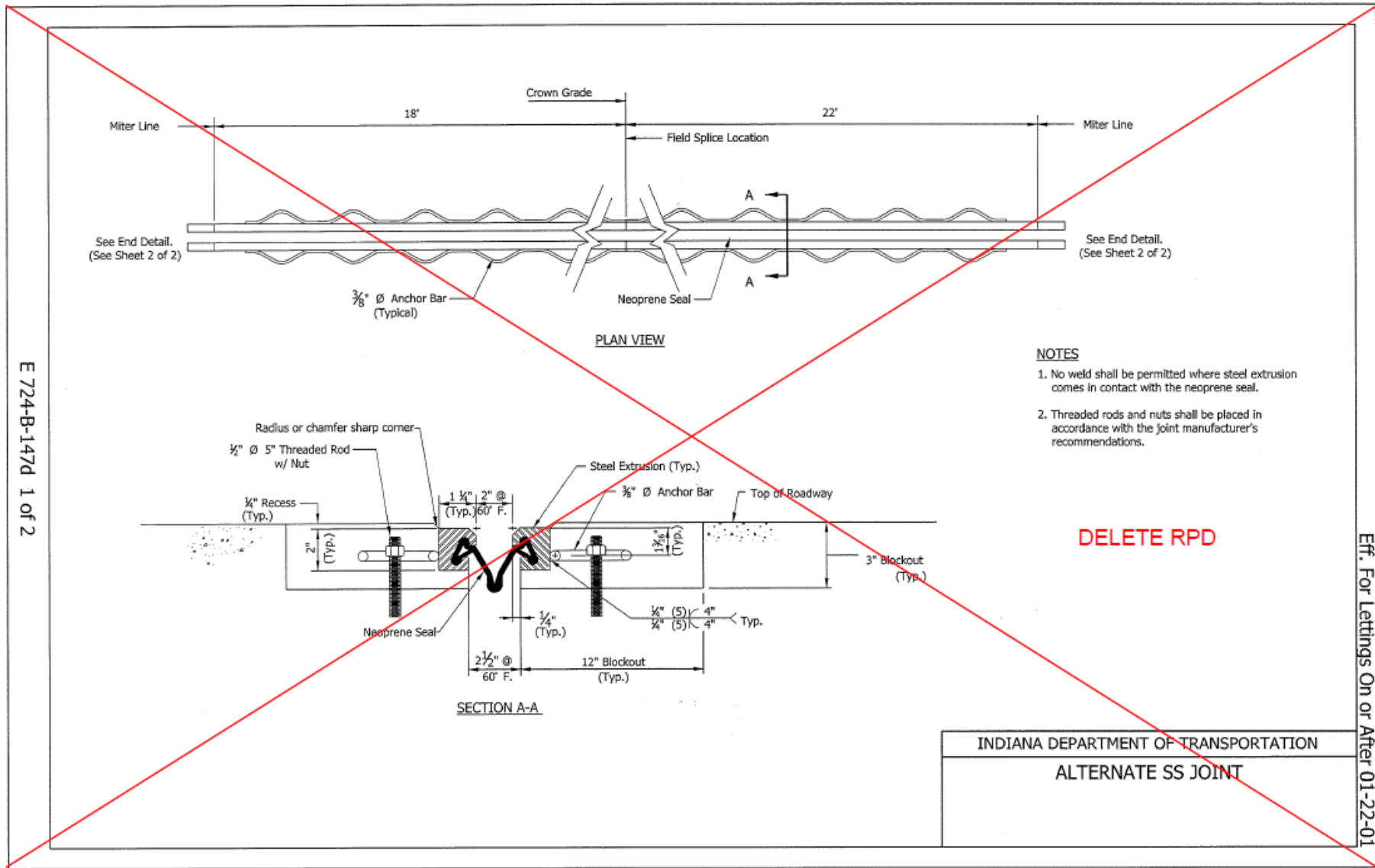
AASHTO or other design code? No

Is this item editorial? No

Provide any further information as to why this proposal should be placed on the Standards Committee meeting Agenda: This joint type has proven to have a short service life and shouldn't be used on future projects.

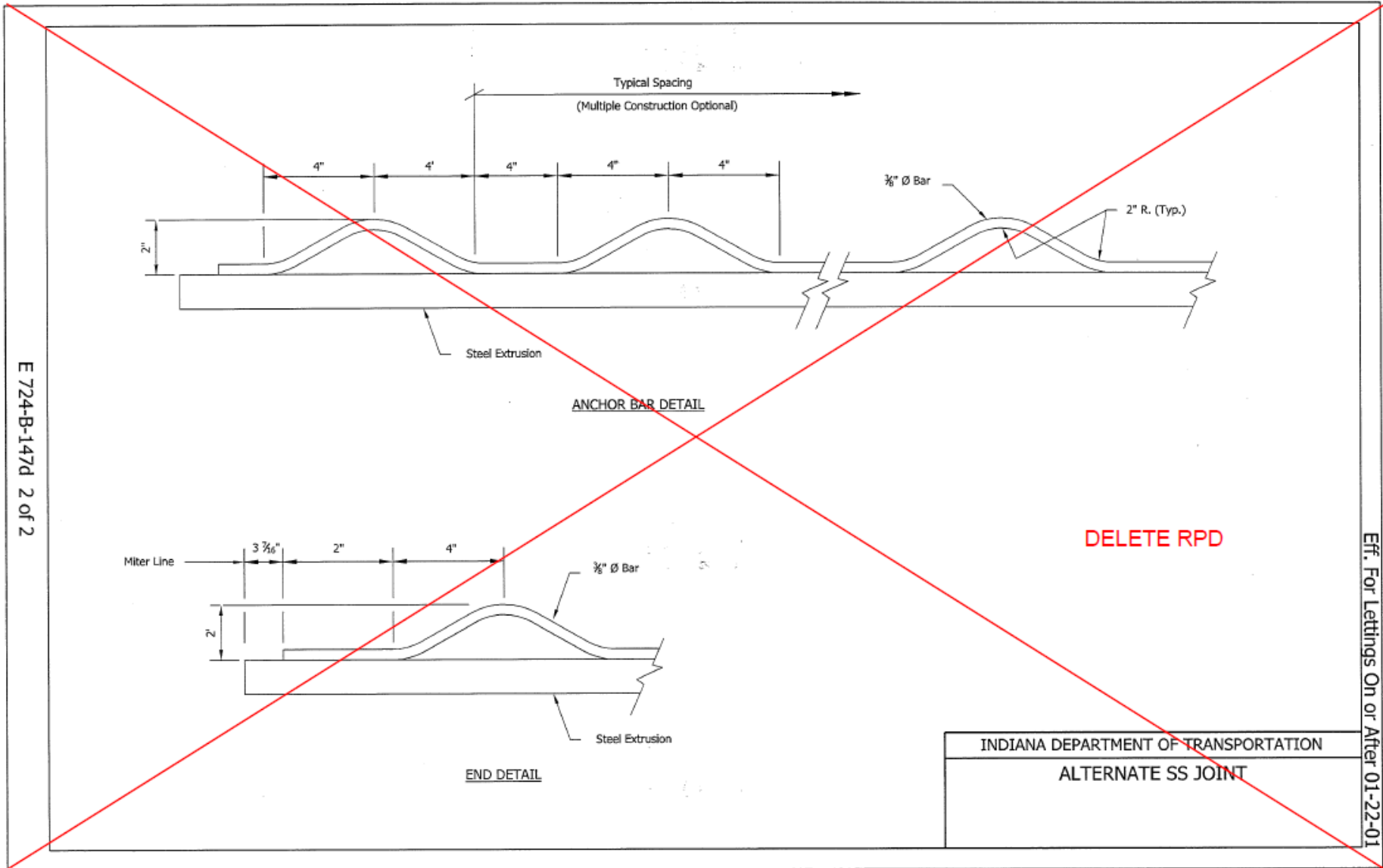
REVISION TO RECURRING PLAN DETAILS

724-B-147d ALTERNATE SS JOINT (proposed to delete)



REVISION TO RECURRING PLAN DETAILS

724-B-147d ALTERNATE SS JOINT (proposed to delete)



COMMENTS AND ACTION

724-B-147d ALTERNATE SS JOINT (proposed to delete)

DISCUSSION:

	<u>Action:</u>
Motion:	
Second:	
Ayes:	<input type="checkbox"/> Passed as Submitted
Nays:	<input type="checkbox"/> Passed as Revised
FHWA Approval:	<input type="checkbox"/> Withdrawn
<hr/>	
2024 Standard Specifications Sections: 724 pg(s). 806 – 810 no changes required.	<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
Recurring Special Provisions or Plan Details: 724-B-147d (proposed to delete)	<input type="checkbox"/> Create RSP (No. __) Effective:
Standard Drawing affected: 724-BSSJ, no changes required	<input type="checkbox"/> Revise RSP (No. __) Effective:
Design Manual Chapter: 404, no changes required	<input type="checkbox"/> Standard Drawing Effective:
GIFE Section: 5.20, no changes required	<input type="checkbox"/> Create RPD (No. __) Effective:  <input type="checkbox"/> GIFE Update <input type="checkbox"/> Frequency Manual Update <input type="checkbox"/> SiteManager Update