



**MINUTES
OF
IOWA DOT SPECIFICATION COMMITTEE MEETING**

July 9, 2026

Members Present:	Christy Vanbuskirk	Fairfield RCE
	Mark Dunn	Contracts & Specifications Bureau
	Dillon Feldmann	Local Systems Bureau
	Daniel Harness	Design
	Ben Hucker	Maintenance Bureau
	Eric Johnsen, Chair	Contracts & Specifications Bureau
	Frank Leong	Grimes RCE
	Shane Neuhaus	District 6 – Materials
	Scott Nixon	Construction & Materials Bureau
Members Not Present:	Tony Gustafson	Chief Engineer
	Michael Nop	Bridges & Structures Bureau
	Willy Sorenson	Traffic & Safety Bureau
Advisory Members Present:	Jeff Brinkman	Contracts & Specifications Bureau
	David Carney	InTrans-SUDAS
	John Hart	Construction & Materials Bureau
	Scott Sommers	Construction & Materials Bureau
	Cesar Cintron	Contracts & Specifications Bureau

The Specification Committee met on Thursday, July 9, 2026, at 9:00 a.m. Eric Johnsen, Specifications Engineer, opened the meeting. The items were discussed in accordance with the agenda dated June 29, 2026.

The agenda is as follows:

1. [Article 2318.03, F; Cold-in-Place Recycled Asphalt Pavement.](#)

The Construction and Materials Bureau requested to specify the total thickness of the CIR layer.

2. [Article 4156.02, C; Glass Fiber Reinforced Polymer Dowel Bars.](#)

The Construction and Materials Bureau requested to reference the new ASTM for GFRP dowel bars.

3. [DS-23078; High Performance Thin Lift Overlay.](#)

The Construction and Materials Bureau requested to add a cold weather provision to the Developmental Specification.

4. Discuss how predetermined prices are presented. Some are included in the Standard Specifications and some are shown in BidX.

The Specifications Section clarified that the predetermined unit prices posted to BidX are only the ones that are not specified in the Standard Specifications. The Specifications Section and

Construction and Materials Bureau will review if these need to be included here or can be included in the Standard Specifications. The committee agreed that they should only be included in one location though so there is no change of ending up with two different posted prices. The Specifications Section will also provide the Construction and Materials Bureau with a list of all predetermined unit prices for review and potential updating prior to the November Spec. Committee Meeting so that any changes can be incorporated by the April 2027 letting.

PREDETERMINED UNIT PRICES		
Effective:03/17/2026_Letting		
For information only. This is not a contract document. Refer to contract documents for actual prices.		
ITEM	UNIT	PRICE
FLAGGER (Statewide Rate)	EACH	\$630.00
PILOT CAR (Statewide Rate)	EACH	\$945.00
FLAGGER (Scott County Rate)	EACH	\$1,035.00
PILOT CAR (Scott County Rate)	EACH	\$1,350.00
WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	MGAL	\$75.00
MOBILIZATION FOR WATERING	EACH	\$450.00
SEALER MATERIAL (HMA SURFACES)	LB	\$1.00
SEALER MATERIAL (PCC PAVEMENT)	LB	\$1.00

Form 510130 (07-24)



SPECIFICATION REVISION SUBMITTAL FORM

Submitted by: Nixon/ Johnson		Bureau/Office: Construction and Materials	Item 1
Submittal Date: 06-15-2026		Proposed Effective Date: April 2027	
Article No.: Section 2318.03, F, 2 Title: Cold in-Place Recycled Asphalt Pavement		Other:	
Specification Committee Action: Approved as recommended.			
Deferred:	Not Approved:	Approved Date: 7/9/2026	Effective Date: 4/20/27
Specification Committee Approved Text: See Specification Section Recommended Text.			
Comments: Discussed and clarified by CMB to mean single lift, no multi-lift pavements.			
Specification Section Recommended Text: 2318.03, F, 2. Replace the third sentence: Ensure lift total thickness is a minimum of 2 3 inches.			
Comments:			
Member's Requested Change: (Do not use 'Track Changes', or 'Mark-Up'. Use Strikeout and Highlight.) F. Placement of the Recycled Material. 1. Deposit CIR mixture in a windrow, into a spreader or paver (as required by Article 2318.03, A), or load into trucks, without segregation. 2. Place and finish CIR mixture in one continuous pass, without segregation. Ensure the surface of the CIR lift has a uniform cross-slope as specified in the contract documents. Ensure lift total thickness is a minimum of 2 3 inches. If using a pick-up machine to feed the windrow into the paver hopper, ensure it is capable of picking up the entire windrow to the underlying material.			
Reason for Revision: We would like to have at least 3" of existing HMA to recycle. The previous language alludes to allowing 2 inches total of recycled material and we don't typically do multi-lift CIR			
New Bid Item Required (X one)	Yes	No X	
Bid Item Modification Required (X one)	Yes	No X	
Bid Item Obsolescence Required (X one)	Yes	No X	
Comments:			
County or City Comments: Sent to counties for comments.			
Industry Comments: Agreed with 3" minimum			

Form 510130 (08-15)



SPECIFICATION REVISION SUBMITTAL FORM

Submitted by: Scott Nixon		Office: Construction & Materials Bureau	Item 2
Submittal Date: 6/22/26		Proposed Effective Date: April 2027	
Article No.: 4156.02, C Title: Glass Fiber Reinforced Polymer Dowel Bars		Other:	
Specification Committee Action: Approved as recommended.			
Deferred:	Not Approved:	Approved Date: 7/9/2026	Effective Date: 4/20/2027
Specification Committee Approved Text: See Specification Section Recommended Text.			
Comments: None.			
Specification Section Recommended Text: 4156.02, C. Replace the Article: Consisting of a single nonmetallic material meeting ASTM D8444 and the following requirements: 1. Glass fiber content greater than 70%, per ASTM D2584. 2. Glass transition midpoint temperature $\geq 212^{\circ}\text{F}$, per ASTM E1356. 3. Long term absorption at $122^{\circ}\text{F} \leq 1.0\%$, per ASTM D570. 4. Transverse shear strength $\geq 19,000$ psi, per ASTM D7617. 5. Mean tensile modulus of elasticity $\geq 6,500,000$ psi ASTM D7205. 1. 6. No deformation, burrs, or projections on ends of cut dowels. 2. 7. Uncoated diameter measured at both ends and third points with the average not to exceed -1/16 inch of specified diameter. 3. 8. Uncoated length measured end to end not to exceed $\pm 1/4$ inch of specified length. 4. 9. Average approach and leave section deflections not to exceed 7.5 mils at 1 million cycles and not to increase by more than 3.5 mils at 10 million cycles when tested according to Annex A of ACPA T253 PTM No. 642.			
Comments:			
4156. 02 GENERAL REQUIREMENTS. A. Use the size and type specified in the contract documents. Meet the requirements for the type and use specified.			

- B.** Approved manufacturers and suppliers are listed in [Materials I.M. 451.03B, Appendix C.](#)
- C.** Consisting of a single nonmetallic material meeting ASTM D8444 and the following requirements:
- ~~1. Glass fiber content greater than 70%, per ASTM D2584.~~
 - ~~2. Glass transition midpoint temperature $\geq 212^{\circ}\text{F}$, per ASTM E1356.~~
 - ~~3. Long term absorption at $122^{\circ}\text{F} \leq 1.0\%$, per ASTM D570.~~
 - ~~4. Transverse shear strength $\geq 19,000$ psi, per ASTM D7617.~~
 - ~~5. Mean tensile modulus of elasticity $\geq 6,500,000$ psi ASTM D7205.~~
 6. No deformation, burrs, or projections on ends of cut dowels.
 7. Uncoated diameter measured at both ends and third points with the average not to exceed $-1/16$ inch of specified diameter.
 8. Uncoated length measured end to end not to exceed $\pm 1/4$ inch of specified length.
 9. Average approach and leave section deflections not to exceed 7.5 mils at 1 million cycles and not to increase by more than 3.5 mils at 10 million cycles when tested according to Annex A of ACPA T253 PTM No. 642.

Reason for Revision: Update 4156 with New ASTM D8444 for GFRP used for load transfer between concrete slabs

New Bid Item Required (X one)	Yes	No X
Bid Item Modification Required (X one)	Yes	No X
Bid Item Obsolescence Required (X one)	Yes	No X

Comments:

County or City Comments:

Industry Comments: Sent to ICPA/IRMCA

Form 510130 (08-15)



SPECIFICATION REVISION SUBMITTAL FORM

Submitted by: Scott Nixon/Brian Johnson		Office: CMB	Item 3
Submittal Date: 6-04-2026		Proposed Effective Date: September 15, 2026	
Article No.: Title:		Other: DS-23078, High Performance Thin Lift Overlay	
Specification Committee Action: Approved as recommended.			
Deferred:	Not Approved:	Approved Date: 7/9/2026	Effective Date: 9/15/2026
Specification Committee Approved Text: See attached Developmental Specifications for High Performance Thin Lift Overlay.			
Comments: None.			
Specification Section Recommended Text: See attached draft Developmental Specifications for High Performance Thin Lift Overlay.			
Comments:			
Member's Requested Change: (Do not use ' <u>Track Changes</u> ', or ' <u>Mark-Up</u> '. Use <u>Strikeout</u> and <u>Highlight</u> .) See Attachment			
Reason for Revision: We added a cold weather section to the DS. This mix does not do well in cold temperatures. We are trying to clear up temperature limits and cold weather paving.			
New Bid Item Required (X one)	Yes	No X	
Bid Item Modification Required (X one)	Yes	No X	
Bid Item Obsolescence Required (X one)	Yes	No X	
Comments:			
County or City Comments:			
Industry Comments:			

DS-23092
(Replace DS-23078)



**DEVELOPMENTAL SPECIFICATIONS
FOR
HIGH PERFORMANCE THIN LIFT OVERLAY**

Effective Date
September 15, 2026

THE STANDARD SPECIFICATIONS, SERIES 2023, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE DEVELOPMENTAL SPECIFICATIONS AND THEY PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

23092.01 DESCRIPTION.

These specifications describe requirements for a highly polymer modified asphalt thin lift surface course. Apply [Section 2303](#) of the Standard Specifications unless otherwise directed in these specifications.

23092.02 MATERIALS.

A. Asphalt Binder.

Use PG 64-34E+ with a minimum percent recovery of 90% when tested at 64°C per AASHTO T 350 at 3.2 kPa.

B. Mix Design.

1. General.

Table DS-23092.02-1: Mix Design

Test or Quality	Value
Design Gyration	50
Design Voids Target (Based on %Gmm)	≤2.0
Film Thickness	8.0 – 15.0
Aggregate Quality	A
Crushed Content (minimum)	50%
FAA (minimum)	40
Sand Equivalency (minimum)	50

2. Friction Aggregate.

- Interstates: minimum 30% of Total Aggregate shall be Type 2 or better
- Non-Interstates: minimum 50% of Total Aggregate shall be Type 4 or better

3. Hamburg Testing (AASHTO T324).

Required only for Interstate paving mixes. Compact to 3.5% air voids. No more than 6.00 mm rutting in the first 8000 passes.

4. Do not use more than 15.0% binder replacement. Do not use RAS.

5. Gradation.

Table DS-23092.02-2: Thin Lift Overlay Gradation

Sieve Size	Min % Passing	Max % Passing
1½ inch		
1 inch		
3/8 inch	91	100
#4		90
#8	27	63
#16		
#30		
#50		
#100		
#200	2	10

23092.03 CONSTRUCTION.

- A. Apply tack coat prior to placement of thin lift overlay according to [Section 2303](#) of the Standard Specifications.
- B. Keep the production temperature of HMA mixtures between 225°F and 335°F until placed on the grade.
- C. Compact with static steel wheeled roller.
- D. Do not open to traffic until the entire mat has cooled below 150°F.

E. Cold Weather Paving.

1. Do not pave when the road temperature is less than 40°F.
2. If the Contractor chooses to work when the National Weather Service forecast for the construction area predicts ambient air temperature less than 55°F within 24 hours of the projected time of paving, submit a cold weather paving plan to the Engineer. Document material, operational, and equipment changes for paving.
3. Include the following in the cold weather plan:
 - Use an approved mix design that incorporates a warm mix additive. Do not use water injection (foamed asphalt).
 - Identify warm mix additive and dosage rate.
 - Identify modifications to compaction process and when modifications apply.
4. Engineer may further limit placement if, in the Engineer's judgment, other conditions are detrimental to quality work.

F. ~~E~~ Quality Assurance/Quality Control.

1. **Field Voids Acceptance.**
Acceptance for field voids shall be based on visual field observations. Should problems be

observed, the Engineer may require density gauge readings to verify field voids are less than or equal to 2%.

2. Lab Voids Acceptance.

Sample from windrow or hopper. Apply [Article 2303.05, A, 3, a, 3](#), of the Standard Specifications for AAD acceptance. Air void target is based on approved JMF.

3. Take at least one cold feed for gradation control each day of production.

23092.04 METHOD OF MEASUREMENT.

Hot Mix Asphalt Thin Lift Overlay will be measured according to [Article 2303.04](#) of the Standard Specifications.

23092.05 BASIS OF PAYMENT.

Hot Mix Asphalt Thin Lift Overlay will be paid for according to [Article 2303.05](#) of the Standard Specifications.