

**Approved HP Dowel Bar Materials**

Date last edited: 10/11/2019

<b>Material</b>	<b>Approval Date</b>	<b>Product</b>	<b>Vendor</b>
CONFIGURATION: Solid MIN. DIAMETER: PER PLAN CORE/TUBE MATERIAL: ASTM A615 Grade 60 CLADDING MATERIAL: METALLURGICALLY-CLAD ASTM A240 Grade 316L MIN. CLADDING THICKNESS: 0.060" COATING: N/A	2/15/2018	Non-proprietary	N/A
CONFIGURATION: Solid MIN. DIAMETER: PER PLAN CORE/TUBE MATERIAL: ASTM A615 Grade 60 CLADDING MATERIAL: N/A MIN. CLADDING THICKNESS: N/A COATING: Multi-layer Epoxy, Abrasion-Resistant over ASTM A934	5/15/2018	Armour Coat Solid Dowel Bar	Simplex
CONFIGURATION: Solid MIN. DIAMETER: PER PLAN CORE/TUBE MATERIAL: ASTM A615 Grade 60 CLADDING MATERIAL: ADHESIVE-BONDED ASTM A249 Grade TP316L MIN. CLADDING THICKNESS: 0.035" COATING: N/A	2/15/2018	CMI Dowel - or equal -	Construction Materials Inc.
CONFIGURATION: Solid MIN. DIAMETER: PER PLAN CORE/TUBE MATERIAL: ASTM A615 Grade 60 CLADDING MATERIAL: ASTM B6 ROLLED ZINC ALLOY (UNS Z41121) MIN. CLADDING THICKNESS: 0.040" COATING: N/A	2/15/2018	LifeDowel Type 1 (or equal) - or equal -	Jarden Zinc Products
CONFIGURATION: Tube MIN. DIAMETER: 1.6"/Min. Wall Thickness 0.118" CORE/TUBE MATERIAL: ASTM A513 CLADDING MATERIAL: ASTM B6 ROLLED ZINC ALLOY (UNS Z41121) MIN. CLADDING THICKNESS: 0.035" COATING: N/A	2/15/2018	LifeDowel Type 2 (hollow) - or equal -	Jarden Zinc Products
CONFIGURATION: Solid MIN. DIAMETER: 1.5" CORE/TUBE MATERIAL: ASTM A615 Grade 60 CLADDING MATERIAL: GFRP - PER AASHTO GFRP-1 Section 4 MIN. CLADDING THICKNESS: 0.125" COATING: N/A	2/15/2018	LongLife Dowel Bar (or equal) - or equal -	Composite Rebar Technologies
CONFIGURATION: Tube MIN. DIAMETER: 1.6" CORE/TUBE MATERIAL: ASTM A513, min. fy=60ksi CLADDING MATERIAL: ASTM A653 G40 Galvanized MIN. CLADDING THICKNESS: N/A COATING: Epoxy per WisDOT Std. Spec. 505.2.6.2.3(2)	2/15/2018	O-Dowel (Epoxy over Galvanized) - or equal -	O-Dowel Inc.
CONFIGURATION: Tube MIN. DIAMETER: 1.6" CORE/TUBE MATERIAL: ASTM A513, min. fy=60ksi CLADDING MATERIAL: ASTM A653 G90 Galvanized MIN. CLADDING THICKNESS: N/A COATING: N/A	2/15/2018	O-Dowel (Galvanized) - or equal -	O-Dowel Inc.

- Use only one type of HP dowel bar on the contract
- Minimum bar length is 18 inches
- At least two weeks prior to use, submit to the engineer the proposed material source, technical specifications, and Buy America compliance information to the engineer for review and approval. Do not install bars prior to receipt of project-level approval.

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