

## 2024 BUY AMERICA INSERT

This document is intended as a Build America Buy America (BABA or BA) contract insert that includes changes to the 2023 Standard Specifications for Highway Construction (SSHC), and the 2020 Quality Assurance Manual (Dated 10/19).

### REVISIONS TO THE 2023 SSHC

#### ON PAGE 11, SUBSECTION 101.04 – DEFINITIONS

02/24

Replace the definition of “Construction Material” with the following:

**Construction Material.** A Construction Material is an article, material, or supply that consists of only one of the items listed, except for minor additions: non-ferrous metals; plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cable); glass (including optic glass); lumber (including treated wood, and untreated wood); Fiber optic cable; Optical fiber; Engineered wood or drywall. To the extent one of the items listed above contains as inputs other items listed above, it is nonetheless a Construction Material. For example, fiber optic cable contains as inputs other items listed, such as glass and/or plastics, but fiber optic cable is nonetheless a Construction Material. Items specifically excluded from Construction Materials are products that are primarily iron or steel (defined under Iron and Steel Products); cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives. Coatings do not change the categorization of a Construction Material. Minor additions of articles, materials, supplies, or binding agents to a Construction Material do not change the categorization of Construction Material. For example, wax added to engineered wood should not disqualify the engineered wood from categorization as a Construction Material. However, if before the engineered wood is brought to the work site, it is combined with glass or other items or materials to produce a new product, which is not listed above, the new product would be classified as a Manufactured Product, not a Construction Material.

#### ON PAGE 14, SUBSECTION 101.04 – DEFINITIONS

02/24

Add the following in alphabetical order:

**Manufactured Product.** Any product that is classified as an iron or steel product, or a Construction Material is not a Manufactured Product. Cement and cementitious materials, aggregates such as stone, sand, or gravel, or aggregate binding agents or additives, also cannot be classified as a Manufactured Product. Otherwise, the following definition of Manufactured Product applies: Articles, materials, or supplies that have been: a) Processed into a specific form and shape; or b) Combined with other articles, materials, or supplies to create a product with different properties than the individual articles, materials, or supplies.

**ON PAGE 59, 106.01.A.1 – IRON AND STEEL PRODUCTS****02/2024**

Add the following after the first paragraph.

Iron or steel products means articles, materials, or supplies that consist wholly or predominantly of iron or steel or a combination of both. “Predominantly of iron or steel” means that the cost of the iron and steel content exceeds 50 percent of the total cost of all its components. The cost of iron and steel is the cost of the iron or steel mill products (such as bar, billet, slab, wire, plate, or sheet), castings, or forgings utilized in the manufacture of the product and a good faith estimate of the cost of iron or steel components.

**ON PAGE 60, 106.01.A.1 – IRON AND STEEL PRODUCTS****02/2024**

Delete the second sentence of the fifth paragraph and replace with the following:

Cost determination is based on supplier invoice costs.

**ON PAGE 60, 106.01.A.2 – CONSTRUCTION MATERIALS****02/2024**

Delete the first paragraph and replace with:

All Construction Materials must be produced in the United States. Produced in the United States is defined below for each Construction Material.

- (1) Non-ferrous metals. All manufacturing processes, from initial smelting or melting through final shaping, coating, and assembly, occurred in the United States.
- (2) Plastic and polymer-based products. All manufacturing processes, from initial combination of constituent plastic or polymer-based inputs, or, where applicable, constituent composite materials, until the item is in its final form, occurred in the United States.
- (3) Glass. All manufacturing processes, from initial batching and melting of raw materials through annealing, cooling, and cutting, occurred in the United States.
- (4) Fiber optic cable (including drop cable). All manufacturing processes, from the initial ribboning (if applicable), through buffering, fiber stranding and jacketing, occurred in the United States. All manufacturing processes also include the standards for glass and optical fiber, but not for non-ferrous metals, plastic and polymer-based products, or any others.
- (5) Optical fiber. All manufacturing processes, from the initial preform fabrication stage through the completion of the draw, occurred in the United States.
- (6) Lumber. All manufacturing processes, from initial debarking through treatment and planing, occurred in the United States.
- (7) Drywall. All manufacturing processes, from initial blending of mined or synthetic gypsum plaster and additives through cutting and drying of sandwiched panels, occurred in the United States.
- (8) Engineered wood. All manufacturing processes from the initial combination of constituent materials until the wood product is in its final form, occurred in the United States.

**ON PAGE 60, 106.01.A.2 – CONSTRUCTION MATERIALS****04/2024**

Add the following after the second paragraph:

The Engineer may allow small quantities of foreign or non-compliant Construction Materials, so long as the total value of the foreign or non-compliant Construction Materials does not exceed the lesser of \$1,000,000 or 5 percent of the Total Applicable Project Costs for the project or where the Total Amount of Federal Financial Assistance is below \$500,000. “Total Applicable Project Costs” are defined as the cost of iron/ steel, Construction Materials and Manufactured Products used in the project that are subject

to a domestic preference requirement, including materials that are within the scope of an existing waiver. "Total Amount of Federal Financial Assistance" includes federal funding provided for preliminary engineering, right of way, and all construction contracts. For projects under a NEPA decision, include all federal funding provided for all projects under that NEPA decision.

The Contractor must maintain and provide in .csv format for each estimate to the Engineer a running total, listed by bid item and manufacturer, of the cost of Construction Materials not meeting the Buy America criteria and a running total of the Total Applicable Project Costs (as defined in the paragraph above). Invoices must be available for audit at any time and must be retained for a period of five years from the date of substantial completion for the project. If the Contractor does not provide these costs for each estimate, the estimate payment will not be made until the costs are supplied, or the Contractor provides a written statement(\*) that they are not going to supply these costs. The written statement will include a statement from the Contractor acknowledging that they will not be able to incorporate any non-compliant Construction Materials into the project. The Engineer needs to make sure the running total of the Total Applicable Project Costs and the running total of foreign or non-compliant Construction Materials are received prior to issuing each pay estimate and that the Contractor does not exceed the Buy America threshold for non-compliant Construction Materials or have received the written statement from the Contractor indicating they will not be providing the running total.

\* The written statement must include the following sentence:

*"As the authorized representative of the Contractor, by providing this written statement that I will not be providing the running total for each estimate of the Total Applicable Project Costs, the Contractor is acknowledging that non-compliant Construction Materials cannot be incorporated into the project."*

## **REVISIONS TO THE 2020 QUALITY ASSURANCE MANUAL (DATED 10/19)**

### **Section 100.00.01 – Quality Control (QC) Producer**

Delete the second sentence of the first paragraph and replace with:

Quality control of materials used in construction is the Contractor's responsibility and is performed during the production of the material and/or at the point of delivery.

### **Section 200 "Outline"**

Revise Section 230.01 as follows:

230.01	General Provisions and Buy America.
230.01.01	General Provisions.
230.01.02	Buy America.
230.01.02.01	Iron and Steel Products
230.01.02.02	Construction Materials

### **Section 230.01 General Provisions**

Delete Section 230.01 and replace with the following:

#### **230.01 General Provisions and Buy America**

## **230.01.01 General Provisions**

Standard Department certification forms will be used. The standard forms are:

- ITD-849 Geotextile and Geogrid
- ITD-851 Miscellaneous Items
- ITD-875 Non-Structural Concrete
- ITD-914 Steel and Iron, and Buy America
- ITD-915 Construction Materials for Buy America
- ITD-966 PG Asphalt Binder
- ITD-968 Cement / Fly Ash

The standard forms must be completed in their entirety and be signed by the manufacturer's representative who has quality control responsibility for the manufacture or fabrication of the material.

When required by the contract, QC test results must be attached to the specified standard form. Certification does not preclude inspection, sampling, testing, or verification of certified test results of the material received on the project. Project inspectors will review all certification results for specification compliance before accepting the material. If the certified material is found to be outside acceptable specification limits, the material is subject to rejection.

Each shipment of certified material must be visually inspected for obvious defects and shipping/handling damage. Repair, reject, or replace damaged or defective material to the satisfaction of the Engineer. Where feasible, simple measurements of specified properties should be spot-checked at least once per project and recorded to verify certification. Examples would be length, mass per unit length, or thickness of steel items.

Withdraw acceptance of material by certification when sample test or inspection results show the material consistently fails to meet specifications requirements. Reestablishment of the certification acceptance may be achieved through Department pre-testing, pre-inspection, and review of historical certification records and test results of the material before its incorporation into a project. Additionally, the manufacturer's QA program may require revision and reevaluation by the Department.

### **230.01.02 Buy America**

Buy America applies to any contract eligible for Federal Aid Highway funding within the scope of an applicable NEPA finding, determination, or decision regardless of the funding source of such contracts if at least one contract or phase of the project is funded with Federal-Aid highway funds. All permanently incorporated steel and iron materials along with Construction Materials as established in Standard Specification 106.A must be certified that they were manufactured in the United States of America including application of a coating. Certification must be provided before incorporation of the materials into the project. Materials that are only used or rented during the project construction, but not incorporated into the work (temporarily installed), do not require certification.

#### **230.01.02.01 Iron and Steel Products**

The ITD-914 form will serve as Buy America Certification and be signed by a person having quality control responsibility for the company that manufactures or fabricates the material. The ITD-914 will be sent with mill tests reports attached, except as noted in the MTRs.

Small quantities of steel and iron may be accepted without Buy American Certification, so long as its total cost for the project does not exceed 0.1% of the contract amount or \$2,500, whichever is greater. The total cost of steel and iron includes the cost of the material plus the cost of transportation to the project site, as evidenced by delivery receipt, but does not include labor cost involved in final assembly performed on the project site.

If Department project staff or consultant inspectors discover that foreign iron and/or steel products are incorporated into a federal-aid project that exceed the Buy America minimal use amount for iron or steel (the greater of \$2,500 or 0.1% of the contract value), the FHWA Idaho Division must be contacted to resolve this after-the-fact discovery. All information on foreign iron and steel permanently incorporated into a project that exceeds the minimal use amount must be presented to FHWA to determine the appropriate resolution. The Department will not complete a project's Material's Certification without FHWA's resolution when the project is not compliant with Buy America. The Department has no authority to complete such a resolution and cannot resolve Buy America compliance issues by use of non-Federal funds.

### **230.01.02.02 Construction Materials**

A Construction Material is an article, material, or supply that consists of only one of the items listed, except for minor additions: non-ferrous metals; plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cable); glass (including optic glass); lumber (including treated wood, and untreated wood); Fiber optic cable; Optical fiber; Engineered wood or drywall.

To the extent one of the items listed above contains as inputs other items listed above, it is nonetheless a Construction Material. For example, fiber optic cable contains as inputs other items listed, such as glass and/or plastics, but fiber optic cable is nonetheless a Construction Material.

Items specifically excluded from Construction Materials are products that are primarily iron or steel (defined under Iron and Steel Products); cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives.

Coatings do not change the categorization of a Construction Material. Minor additions of articles, materials, supplies, or binding agents to a Construction Material do not change the categorization of Construction Material. For example, wax added to engineered wood should not disqualify the engineered wood from categorization as a Construction Material. However, if before the engineered wood is brought to the work site, it is combined with glass or other items or materials to produce a new product, which is not listed above, the new product would be classified as a Manufactured Product, not a Construction Material.

Any product that is classified as an iron or steel product, or a Construction Material is not a Manufactured Product. Cement and cementitious materials, aggregates such as stone, sand, or gravel, or aggregate binding agents or additives, also cannot be classified as a Manufactured Product. Otherwise, the following definition of Manufactured Product applies: Articles, materials, or supplies that have been: a) Processed into a specific form and shape; or b) Combined with other articles, materials, or supplies to create a product with different properties than the individual articles, materials, or supplies.

For awards obligated on or after August 16, 2023, the Engineer may allow small quantities of foreign Manufactured Products and Construction Materials, so long as the total value of the non-compliant products does not exceed the lesser of \$1,000,000 or 5 percent of the total applicable costs for the project or where the total amount of federal financial assistance is below \$500,000. "Total applicable project costs" are defined as the cost of Construction Materials and Manufactured Products used in the project that are subject to a domestic preference requirement, including materials that are within the scope of an existing waiver. "Total Amount of Federal Financial Assistance" includes federal funding provided for preliminary engineering, right of way, and all construction contracts. For projects under a NEPA decision, include all federal funding provided for all projects under that NEPA decision.

The Contractor must maintain and provide in .csv format for each estimate to the Engineer a running total, listed by bid item and manufacturer, of the cost of Construction Materials not meeting the Buy America criteria and a running total of the Total Applicable Project Costs (as defined in the paragraph above). Invoices must be available for audit at any time and must be retained for a period of five years from the date of substantial completion for the project. If the Contractor does not provide these costs for each estimate, the estimate payment will not be made until the costs are supplied, or the Contractor provides a written statement(\*) that they are not going to supply these costs. The written statement will include a statement from the Contractor acknowledging that they will not be able to incorporate any non-compliant Construction Materials into the project. The Engineer needs to make sure the running total of the Total Applicable Project Costs and the running total of foreign or non-compliant Construction Materials are received prior to issuing each pay estimate and that the Contractor does not exceed the Buy America threshold for non-compliant Construction Materials or have received the written statement from the Contractor indicating they will not be providing the running total.

\* The written statement must include the following sentence:

*"As the authorized representative of the Contractor, by providing this written statement that I will not be providing the running total for each estimate of the Total Applicable Project Costs, the Contractor is acknowledging that non-compliant Construction Materials cannot be incorporated into the project."*

The ITD-915 form serves as Buy America Certification for Construction Materials and must be signed by a person having quality control responsibility for the company that manufactures the Construction Material.

If Department project staff or consultant inspectors discover that foreign Construction Materials are incorporated into a federal-aid project, the FHWA Idaho Division must be contacted to resolve this after-the-fact discovery. All information on foreign Construction Materials permanently incorporated into a project must be presented to FHWA to determine the appropriate resolution. The Department will not complete a project's Material's Certification without FHWA's resolution when the project is not compliant with Buy America requirements. The Department has no authority to complete such a resolution and cannot resolve Buy America compliance issues by use of non-Federal funds.

### **Section 230.03 Steel.**

Delete the last sentence of the first paragraph and replace with:

Steel will comply with 230.01.02 Buy America.

### **Section 230.07 Corrugated Metal Pipe and Corrugated Plate Pipe.**

Add the following to the end of the second paragraph of the section:

Additionally, a form ITD-915 will be submitted attesting that the aluminum pipe meets applicable Buy America requirements for Construction Material (non-ferrous metals).

**Section 230.08 Plastic Pipe.**

Add the following to the end of the first paragraph of the section:

Additionally, a form ITD-915 will be submitted attesting that the plastic pipe meets applicable Buy America requirements for Construction Material (plastic and polymer-based products).

**Section 230.09 Geosynthetics.**

Add the following to the end of the first paragraph of the section:

Additionally, a form ITD-915 will be submitted attesting that the geosynthetic meets applicable Buy America requirements for Construction Material (plastic and polymer-based products).

**Section 270.00 Minimum Testing Requirements (Table)**

Use the Buy America Summary Table below for BA requirements and BA certifications of materials. Iron or steel products are listed as “Fe”. Construction Materials as listed as “CM”. If the material is listed as a possible Construction Material (CM), it is up to the manufacturer to either certify the product with the ITD-0915, or submit the product through the Buy America Exemption Application for review by HQ Construction and Materials for a possible exemption. Only products that are not by definition a Construction Material can receive an exemption.

**Buy America Summary Table (Section 270)**

<b>Section</b>	<b>Item Desc.</b>	<b>Code<sup>1,4,6,7</sup></b>	<b>Form(s)<sup>2,3,5,9</sup></b>	<b>Comments</b>
212	Slope Drain	Fe, CM	ITD-914, ITD-915	
405	Pavement Reinforcement Fabric	CM	ITD-915	
503	GFRP	BA N/A		GFRP is a combination of glass and polymers combined in a manufacturing process. See notes 10 and 11.
503	GFRP	BA N/A		
504	Bolts, Nuts, Hardened Washers, DTI	Fe, CM	ITD-914, ITD-915	
504	Two Tube Curb-Mount Railing	Fe, CM	ITD-914, ITD-915	
504	Pedestrian Bicycle Railing	Fe, CM	ITD-914, ITD-915	
504	Combination Pedestrian Bicycle, and Traffic Railing	Fe, CM	ITD-914, ITD-915	
505	Timber Piles	CM	ITD-915	
507	Neoprene Bearing Pads	CM	ITD-915	
507	TFE/PTFE Bridge Bearing Pads	CM	ITD-915	
508	Corrugated Plate Pipe - Entire Section	Fe, CM	ITD-914, ITD-915	
511	Concrete Waterproofing Systems - Types A, B	CM	ITD-915	
511	Concrete Waterproofing Systems - Types C, D	BA N/A		Note, Type C Silanes and siloxane chemicals are not polymers and are not Construction Materials. Type D is an asphalt filled fabric laminate combined in a manufacturing process and is not a Construction Material.
511	Concrete Waterproofing Systems - Types E	CM	ITD-915	
565	Backer Rod	CM	ITD-915	
565	Location Spike	Fe, CM	ITD-914, ITD-915	
566	Neoprene Seals - Compression Seal Expansion Joint	CM	ITD-915	



**Buy America Summary Table (Section 270)**

<b>Section</b>	<b>Item Desc.</b>	<b>Code<sup>1,4,6,7</sup></b>	<b>Form(s)<sup>2,3,5,9</sup></b>	<b>Comments</b>
567	Neoprene Seals - Strip Seal Expansion Joint	CM	ITD-915	
578	Gaskets for Concrete Pipe	CM	ITD-915	
586	Utility Conduit	Fe, CM	ITD-914, ITD-915	
586	Deck Inserts	Fe, CM	ITD-914, ITD-915	
602-608	Corrugated Metal pipe and Pipe arches	Fe, CM	ITD-914 <sup>2</sup> , ITD-915	
602-608	Structural Plate Pipe, Pipe Arches and Arches	Fe, CM	ITD-914, ITD-915	
602-608	Pipe Underdrains (Metallic Coated corrugated steel, aluminum pipe, corrugated PE drainage tubing PVC Pipe.	Fe, CM	ITD-914, ITD-915	
602-608	Abs or PVC or PE Pipe	CM	ITD-915	
602-608	Metal Aprons	Fe, CM	ITD-914, ITD-915	
602-608	Gaskets for Concrete Pipe	CM	ITD-915	
602-608	Rubber Gaskets for CMP	CM	ITD-915	
602-608	Corrugated Metal Embankment Protectors	Fe, CM	ITD-914, ITD-915	
609	Timber - Minor Structures	CM	ITD-915	
610	Wood Posts	CM	ITD-915	
610	Gates	Fe, CM	ITD-914, ITD-915	
610	Hardware for Barbed or Woven Wire Fence	Fe, CM	ITD-914, ITD-915	
612	Wood Post and Blocks - Guardrail	CM	ITD-915	
612	Non - Wood Post and Block - Guardrail	CM	ITD-915	
612	Aluminum Rail and Fittings - Guardrail	CM	ITD-915	
612	Metal Terminal Section - Guardrail	Fe, CM	ITD-914, ITD-915	

**Buy America Summary Table (Section 270)**

<b>Section</b>	<b>Item Desc.</b>	<b>Code<sup>1,4,6,7</sup></b>	<b>Form(s)<sup>2,3,5,9</sup></b>	<b>Comments</b>
612	Impact Attenuator - Permanent - Guardrail	Fe, CM	ITD-914, ITD-915	
613	Crash Cushions	CM	ITD-915	
616	Signs and Sign Support Extruded Aluminum	CM	ITD-915	
616	Signs and Sign Support Sheet Aluminum	CM	ITD-915	
616	Signs and Sign Support - Steel and Aluminum	Fe, CM	ITD-914, ITD-915	
616	Signs and Sign Support - Hardware for Signs	Fe, CM	ITD-914, ITD-915	
616	Plywood for Type E Signs	CM	ITD-915	
616	Signs and Sign Support - Breakaway Wood Posts	CM	ITD-915	
617	Aluminum Posts Delineators and Mileposts	CM	ITD-915	
617	Aluminum Posts Delineators and Mileposts Plates	CM	ITD-915	
617	Aluminum Posts Delineators and Mileposts Reflector Unit	CM	ITD-915	
617	Aluminum Posts Delineators and Mileposts Reflective Sheeting	BA N/A		Finished product undergoes manufacturing process to combine the sheeting and aluminum into one product so it is not a Construction Material. See notes 10 and 11.
618	Right of Way Marker	Fe, CM	ITD-914, ITD-915	
618	Brass Caps	CM	ITD-915	
618	Reference Marker	Fe, CM	ITD-914, ITD-915	
618	Project Markers	Fe, CM	ITD-914, ITD-915	BA N/A if temporary
618	Reference Marker	Fe, CM	ITD-914, ITD-915	BA N/A if fiberglass is used. See notes 8, 10 and 11.
618	Witness Posts - Wood	CM	ITD-915	

**Buy America Summary Table (Section 270)**

<b>Section</b>	<b>Item Desc.</b>	<b>Code<sup>1,4,6,7</sup></b>	<b>Form(s)<sup>2,3,5,9</sup></b>	<b>Comments</b>
618	Witness Posts - Fiberglass	BA N/A		Fiberglass is a combined material and is a Manufactured Product.
619	Illumination Poles and Bases	Fe, CM	ITD-914, ITD-915	
619	Illumination Components	Fe, CM	ITD-914, ITD-915	
623	Pre-formed expansion Joint Filler Concrete Slope Paving	CM	ITD-915	
625	Pre-formed expansion Joint Filler Joints	CM	ITD-915	
625	Neoprene Compression Seal	CM	ITD-915	
630	Glass Beads	CM	ITD-915	
630	Preformed Thermoplastic	CM	ITD-915	
634	Support Mailbox	Fe, CM	ITD-914, ITD-915	
634	Mailbox	Fe, CM	ITD-914, ITD-915	
640	Geosynthetics all materials	CM	ITD-915	
641	Biaxial Geogrid	CM	ITD-915	
652	Underground Sprinkler System - All Items	CM	ITD-915	
656	Signal Poles and Mast Arms Traffic Signal Installation	Fe, CM	ITD-914, ITD-915	
656	Signal Components Traffic Signal Installation	Fe, CM	ITD-914, ITD-915	
656	Signal Cabinet Electrical Components Traffic Signal Installation	BA N/A		Electrical Components are a combination of materials that are combined thru a manufacturing process so they are not a Construction Material. See note 10 and 11.
<b>Notes:</b>				
<ol style="list-style-type: none"> <li>1. Code Key: Fe = iron &amp; steel, CN = Construction Material, BA N/A = Item determined not to apply to BA.</li> <li>2. The ITD-914 applies to Iron and steel products only. There is no change to the Buy America certification process for Iron and Steel.</li> <li>3. This table makes additional requirements to the existing table only; the existing ITD-914 requirements for Iron and Steel are not restated.</li> </ol>				

**Buy America Summary Table (Section 270)**

Section	Item Desc.	Code <sup>1,4,6,7</sup>	Form(s) <sup>2,3,5,9</sup>	Comments
	<ol style="list-style-type: none"> <li>4. Buy America requirements apply to all iron and steel items no matter what form of manufacturing or material combinations are used.</li> <li>5. The ITD-915 applies to Construction Materials only (eight listed items).</li> <li>6. Besides Fe and CM, no other products/items are considered by the Department to be applicable to these Buy America requirements.</li> <li>7. Field assembly does not constitute a manufactured process and does not necessarily preclude applicability to Buy America requirements.</li> <li>8. Wood products, even when treated, are considered Construction Materials.</li> <li>9. Any justification denying applicability to the Buy America requirements is to be submitted on/with the ITD-915 form.</li> <li>10. Items consisting of a combination of two or more Construction Materials combined in a manufacturing process are not Construction Materials.</li> <li>11. Items consisting of one construction material with something else in a manufactured process are not Construction Materials.</li> </ol>			

**Section 470.01 Exceptions.**

In the sixth full paragraph, replace the sentence with:

Exceptions to the Buy America specification must be presented to FHWA for determination of a resolution, see Section 230.01.02 Buy America.