

Buy America Compliance Verification

CEI GUIDE IN PROJECT
ADMINISTRATION



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| STANDARD SPECIFICATION DIVISIONS | |
|----------------------------------|--|
| DIVISION I | General Requirements and Covenants Specifications. This Section of the Specifications contains the reference to the Code of Federal Regulations (CFR) 23 mandating Contractor abidance with Buy America provisions. |
| DIVISION II | Construction Details Specifications. The most important indicator to determine if Buy America compliance verification should be done. These Specs contain the Pay Items by which work is paid, a crucial aspect as it relates to dispensing of FHWA funds. |
| DIVISION III | Materials Specifications. In general, not a part of Buy America verification. It is important to note however, that certain aspects of manufacture to a steel item which if done overseas can result in need for invoking Buy America provisions. |

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DIVISION I - GENERAL REQUIREMENTS AND COVENANTS SPECIFICATIONS

SECTION 6 CONTROL OF MATERIALS

6-5.2 Source of Supply-Steel: Use steel and iron manufactured in the United States, in accordance with the Buy America provisions of 23 CFR 635.410, as amended. Ensure that all manufacturing processes for this material occur in the United States. As used in this specification, a manufacturing process is any process that modifies the chemical content, physical shape or size, or final finish of a product, beginning with the initial melting and continuing through the final shaping and coating. If a steel or iron product is taken outside the United States for any manufacturing process, it becomes foreign source material. When using steel or iron materials as a component of any manufactured product (e.g., concrete pipe, prestressed beams, corrugated steel pipe, etc.), these same provisions apply. Foreign steel and iron may be used when the total actual cost of such foreign materials does not exceed 0.1% of the total Contract amount or \$2,500, whichever is greater. These requirements are applicable to

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WJ1

This applies to all construction jobs regardless of funding.

Westphal, John, 1/7/2021

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| DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS | |
|---|--|
| STRUCTURES | 400, 407, 415, 425, 430, 431, 435, 436, 440, 443, 450, 451, 452, 455, 458, 460, 461, 462 |
| INCIDENTAL CONSTRUCTION | 504, 506, 510, 515, 520, 521, 534, 536, 538, 548, 550 |
| TRAFFIC CONTROL SIGNALS AND DEVICES | 632, 634, 641, 649, 654, 659, 676 |
| SIGNING, PAVEMENT MARKING AND LIGHTING | 700, 715 |

Important to cross-check the Summary of Pay Items boxes against these Items ID'd!

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| DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS | |
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| SECTION 400 CONCRETE STRUCTURES | <ul style="list-style-type: none">• Stay-in-place forms• Tie wire• Inserts, snap ties, etc.• Anchor bolts, dowels |
| SECTION 407 THREE-SIDED PRECAST CONCRETE CULVERT | <ul style="list-style-type: none">• Steel reinforcing• Mechanical rebar splice |
| SECTION 415 REINFORCING FOR CONCRETE | <ul style="list-style-type: none">• Reinforcing steel• Mechanical couplers• Steel reinforcing supports |

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DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS

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| SECTION 425 INLETS, MANHOLES, AND JUNCTION BOXES | <ul style="list-style-type: none">• Steel grates• Reinforcing steel |
| SECTION 430 PIPE CULVERTS | <ul style="list-style-type: none">• Steel pipe• Steel reinforcing• Channel band couplers |
| SECTION 431 PIPE LINER | <ul style="list-style-type: none">• Steel liner• Steel reinforcement |

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DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS

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| SECTION 435 STRUCTURAL PLATE PIPE AND PIPE ARCH CULVERTS | <ul style="list-style-type: none">• Steel pipe |
| SECTION 436 TRENCH DRAIN | <ul style="list-style-type: none">• Steel pipe• Steel grates |
| SECTION 440 UNDERDRAINS | <ul style="list-style-type: none">• Steel pipe• Reinforcing steel |

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DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS

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| SECTION 443 FRENCH DRAINS | <ul style="list-style-type: none">• Steel pipe• Steel reinforcing |
| SECTION 450 PRECAST PRESTRESSED CONCRETE CONSTRUCTION | <ul style="list-style-type: none">• Prestressing strands• Mild steel reinforcing• Embedded/inserted items |
| SECTION 451 PRESTRESSED SOIL ANCHORS | <ul style="list-style-type: none">• Prestressing steel• Steel wedges, bearing plates, centralizers• Steel pipe/tubing |

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| DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS | |
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| SECTION 452 PRECAST SEGMENTAL BRIDGE CONSTRUCTION | <ul style="list-style-type: none">• Reinforcing steel• Steel inserts |
| SECTION 455 STRUCTURES FOUNDATIONS | <ul style="list-style-type: none">• Concrete pile mild reinforcing• Prestressing steel• Steel H-pile/pipe pile/sheet pile• CSL tubes |
| SECTION 458 BRIDGE DECK JOINTS | <ul style="list-style-type: none">• Edge rail• Cover plate• Steel shapes/plate• Studs |

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DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS

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| SECTION 460 STRUCTURAL STEEL AND MISCELLANEOUS METALS | <ul style="list-style-type: none">• Steel plate• Fastener assemblies: bolts, washers, nuts,• Structural shapes• Field-welded headed studs |
| SECTION 461 MULTIROTATIONAL BEARINGS | <ul style="list-style-type: none">• Steel plate• Anchor rods, bolts, washers• Metallizing wire• Limiting rings |
| SECTION 462 POST-TENSIONING | <ul style="list-style-type: none">• Post-tensioning assemblies: prestressing strand/bars, wedges, bearing/wedge plates, trumpets• Steel duct |

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| DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS | |
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| SECTION 504 STEEL GRID FLOORS | <ul style="list-style-type: none">• Steel grid roadway• Steel grid sidewalk |
| SECTION 506 BRIDGE DRAINAGE SYSTEM | <ul style="list-style-type: none">• Cast in ductile iron pipe• Downspouts• Miscellaneous components (boxes, hangers, fittings, etc.) |
| SECTION 510 NAVIGATION LIGHTS FOR FIXED BRIDGES | <ul style="list-style-type: none">• Fasteners• Straps/hangers• Framework |

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DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS

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| SECTION 515 METAL PEDESTRIAN/BICYCLE RAILINGS, GUIDERAILS, AND HANDRAILS | <ul style="list-style-type: none">• Railing• Anchor bolts/rods• Nuts• Washers |
| SECTION 520 CONCRETE GUTTER, CURB ELEMENTS, AND TRAFFIC SEPARATOR | <ul style="list-style-type: none">• Reinforcing steel• Dowels |
| SECTION 521 CONCRETE BARRIERS, TRAFFIC RAILINGS, AND PARAPETS | <ul style="list-style-type: none">• Reinforcing steel |

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| SECTION 534 NOISE AND PERIMETER WALLS | <ul style="list-style-type: none">• Reinforcing steel• Welded wire reinforcement |
| SECTION 536 GUARDRAIL | <ul style="list-style-type: none">• Steel panels• Steel posts• Steel hardware: bolts, nuts, washers• Anchor bolts |
| SECTION 538 RESETTING GUARDRAIL | <ul style="list-style-type: none">• Steel panels• Steel posts• Steel hardware: bolts, nuts, washers• Anchor bolts |

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DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS

SECTION 548 RETAINING WALL SYSTEMS

- Reinforcing steel
- Steel mesh/loops
- Steel tie strips

SECTION 550 FENCING

- Posts and braces
- Ground rods
- Fabric
- Wire/barbed wire
- Rods
- Bands
- Rails (brace)

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| DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS | |
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| SECTION 632 SIGNAL CABLE | <ul style="list-style-type: none">• Bolts, nuts• Lashing wire/rod• Cable rings |
| SECTION 634 SPAN WIRE ASSEMBLY | <ul style="list-style-type: none">• Hardware/fittings• Eyebolts• Clamps |
| SECTION 641 PRESTRESSED CONCRETE POLES | <ul style="list-style-type: none">• Reinforcing steel• Prestressing strand• Roller frames• Cable• Hardware |

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DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS

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| <p>SECTION 649 GALVANIZED STEEL POLES, MAST ARMS, AND MONOTUBE ASSEMBLIES</p> | <ul style="list-style-type: none">• Poles• Mast Arms• Monotubes• Wire• Hardware• Nuts, washers, bolts |
| <p>SECTION 654 MIDBLOCK CROSSWALK ENHANCEMENT ASSEMBLIES</p> | <ul style="list-style-type: none">• Bolts, nuts, washers• Screws• Studs• Rods |
| <p>SECTION 659 MAST ARM, SPAN WIRE, AND POLE MOUNTING ASSEMBLIES</p> | <ul style="list-style-type: none">• Nuts, washers, bolts• Saddles, swivels, bands, buckles, clamps, brackets• Tubes, bars• Steel Hangers, doors |

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| DIVISION II – CONSTRUCTION DETAILS SPECIFICATIONS | |
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| SECTION 676 TRAFFIC CABINETS | <ul style="list-style-type: none">• Rails• Bands/anchors• Plate• Hardware |
| SECTION 700 HIGHWAY SIGNING | <ul style="list-style-type: none">• Slip bases• Bolts, nuts, washers• Hardware• Reinforcing steel• Anchor bolts WJ2• Trusses |
| SECTION 715 HIGHWAY LIGHTING SYSTEM | <ul style="list-style-type: none">• Poles, rings• Plate, caps• Bolts, nuts, washers• Reinforcing steel |

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WJ2

Double check object marker.

Westphal, John, 1/7/2021

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ADDITIONAL CONTRACT DOCUMENTS

Technical Special Provisions

- Project-specific Contract Document item to be investigated for use of steel
- My require pursuit of FHWA waiver for items like bascule components
- Aspects of work not routine

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ADDITIONAL CONTRACT DOCUMENTS

**Utility Work by Highway
Contractor**

- Ductile Iron Pipe
- Electrical Conductors

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DESIGN-BUILD/ALTERNATIVE CONTRACTS

Schedule of Values

- Lump sum, i.e. non-pay item Projects
- Consult Standard Specs for guidance
- For items with TSP's containing steel, verify compliance
- Verify compliance prior to payment