

Material Certification Requirements

| Material Code | Full Name | Office to Retain Certification | BABA Req. | QPL or Reference |
|------------------|---|--------------------------------|-----------|------------------|
| AggHighFriction | High Friction Surface Treatment Agg. | OMR | | |
| BearPadElas-709 | Bearing Pad, Elastomeric | OMR | Y | QPL 24 |
| BearPlate-709 | Bearing Plate | OMR | Y | Iron or Steel |
| BearPot-709 | Bearing, Pot | OMR | | |
| Bearing-Seismic | Seismic Isolation Bearing | OMR | | |
| CabBarrierCable | Cable Barriers, Posts, and Hardware | OMR | | Iron or Steel |
| CastIron-719 | Casting, Iron | OMR | | Iron or Steel |
| CoatConc-702 | Coating, Concrete Finish (Spray/Brush) | OMR | | QPL 7 |
| ConcEpxyAdhes | Concrete, Epoxy Adhesive | OMR | | |
| ConcFibRein-804 | Fiber Reinforced Concrete Slope Protect. | OMR | | |
| ConstCase-712 | Construction Casing | OMR | | Iron or Steel |
| DeckDrain | Deck Drain 6" diameter PVC or Fiberglass | OMR | Y | Note 1 |
| Drain-WickStrip | Drain, Wick or Strip | OMR | | |
| DwaterBagTypeI | Dewatering Bag Type I | OMR | | QPL 80 |
| DwaterBagTypeII | Dewatering Bag Type II | OMR | | QPL 80 |
| ErosBlkt-815 | Erosion Control, Blanket Temporary Mat | OMR | | QPL 55 |
| ErosBondFibMatx | HECP Type 3 / Bonded Fiber Matrix | OMR | | QPL 79 |
| ErosDrainFilter | Erosion Control Drainage Filter | OMR | | |
| ErosFlexGroMatx | HECP Type 4 / Fiber Reinforced Matrix | OMR | | QPL 79 |
| ErosGeotex-804 | Erosion Control, Geotextile | OMR | | QPL 44 |
| ErosHydraMulch | HECP Type 1 / Hydraulic Mulch (HM) | OMR | | QPL 79 |
| ErosMatPer-815 | Erosion Control, Blanket Permanent Mat | OMR | Y | QPL 56 |
| ErosSilFen-815 | Erosion Control, Silt Fence | OMR | | QPL 34 |
| ErosStabMulMatx | HECP Type 2 / Stabilized Mulch Matrix | OMR | | QPL 79 |
| FITurBar | Floating Turbidity Barrier | OMR | | |
| GeoSynReinf203 | Reinforcement, Geosynthetic | OMR | Y | |
| GeotexSepB/SG | Geotextile for Sep. of Base/Subgrade | OMR | Y | |
| HFST-PolyRes | High Friction Surface Treatment | OMR | | QPL 87 |
| InletStrucFilt | Inlet Structure Filter | OMR | | QPL 58 |
| JntSealExpansion | Joint, Bridge Deck Strip / Certification | OMR | | |
| JntSealant | Joint Sealant - Hot Pour or Compressive | OMR | Y/N | Note 2 |
| MSEWPanel-713 | MSE and Soil Nail Wall Certification | OMR | | |
| PilReinfTip-713 | Pile, Reinforced Tip | OMR | | |
| PipeAlCorr-714 | Pipe, Aluminum Alloy Corrugated | OMR | Y | QPL 68 |
| PipeEarthDrain | Earthquake Drain and Filter Fabric | OMR | | |
| PipeHndRail-705 | Pipe, Metal Railing | OMR | Y | |
| PipeSealMst-714 | Pipe, RC Pipe Joint Sealant Materials | OMR | | QPL 69 |
| PipeStBorJk-714 | Pipe, Steel Trenchless | OMR | | |
| PipeStlCor-714 | Corrugated Steel Pipe (Non-Specific) | OMR | | Iron or Steel |
| RestrainSeismic | Seismic Restrainer | OMR | | Iron or Steel |
| SedimentTube815 | Sediment Tubes (Non-Specific Sizes) | OMR | | QPL 57 |
| SgnUSecPst-608 | Sign, U-Section Post | OMR | | Iron or Steel |
| SignConstBlnk | Sign, Construction Aluminum Blank | OMR | Y | |
| SignConstSht | Sign, Construction Reflective Sheeting | OMR | | QPL 20 |
| SignGalPst-608 | Sign, Galvanized Square Tube Posts | OMR | | Iron or Steel |
| SignHardware608 | Sign, Hardware | OMR | | Iron or Steel |
| SignOvhdStruc | Sign, Overhead Structures | OMR | | Iron or Steel |
| SignRollup-602 | Sign, Roll-up Reflectivity | OMR | | QPL 20 |
| StlAnchBolt-709 | Steel, Anchor Bolts | OMR | | Iron or Steel |
| StlArmorPlt-709 | Steel, Armor Plate | OMR | | Iron or Steel |
| StlDowel | Steel, Reinforcing Dowel | OMR | | Iron or Steel |
| StlGRailStd-805 | Steel, Guardrail Beams and Hardware | OMR | Y | QPL 49 |
| StlPillHBrG-713 | Steel, H Piling HP | OMR | | Iron or Steel |
| StlPillHBrG-713 | Piling Galvanization | OMR | Y | |
| StlPillPnt-711 | Steel, Prestressed Pile Points | OMR | | Iron or Steel |
| StlPillPnt-711 | Steel, Pipe Piling | OMR | | Iron or Steel |
| StlStrucPnt-710 | Steel, Structural Paint | OMR | | QPL 19 |
| StrPlate-715 | Structural Plate Pipe-Steel / Aluminum | OMR | Y | Note 3 |
| StudElecWd-709 | Stud, Electrically Welded Shear Connector | OMR | Y | QPL 25 |
| TrEpoxyYeI-600 | Traffic, Epoxy Yellow | OMR | | |
| TrEpoxyBlE-600 | Traffic, Epoxy Black | OMR | | |
| TrEpoxyWhE-600 | Traffic, Epoxy White | OMR | | |
| TrPolyUrBlk-899 | Traffic, Polyurea 6 inch Black | OMR | | |
| TrPolyUrW-899 | Traffic, PolyUrea White | OMR | | |
| TrPolyUrY899 | Traffic, PolyUrea Yellow | OMR | | |
| TrTape-604 | Traffic, Flexible Reflective Markings | OMR | | QPL 21 |

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| TrThmWhE-602 | Traffic, Thermoplastic White | OMR | | |
| TrThmYelE-602 | Traffic, Thermoplastic Yellow | OMR | | |
| TrUrethBIE | Traffic, Mod. Urethane Black | OMR | | |
| TrUrethWhE-899 | Traffic, Mod. Urethane White | OMR | | |
| TrUrethYelE-899 | Traffic, Mod. Urethane Yellow | OMR | | |
| TrafMarkAdhes | Pavement Marker Adhesive | OMR | | QPL 42 |
| TrPrefTherm604 | Traffic, Preformed Thermo HOT APPLIED 47 | OMR | | QPL 47 |
| WtrPrfBrdDk-814 | Waterproofing, PCC Bridge Deck | OMR | | QPL 10 |
| WtrPrfPvJnt-814 | Waterproofing, PCC Pavement Joint | OMR | | QPL 9 |
| WtrPrfSStr-814 | Waterproofing, Substructure | OMR | | QPL 67 |
| | Asphalt Repair Mastic | RCE File | | QPL 102 |
| | Bond Breaker / Backer Rod | RCE File | Y | |
| | Breakaway Support, I Beam | RCE File | | Iron or Steel |
| | Bridge Overlay, PCC Latex | RCE File | | QPL 12 |
| | Cold Applied, Expansion Sealant | RCE File | Y | QPL 11 |
| | Concrete, Chemical Admixtures | RCE File | | QPL 5 |
| | Construction Sign 2P or 3P Post | RCE File | | Iron or Steel |
| | CSL Tubes | RCE File | | Iron or Steel |
| | Curing Compound, PCC | RCE File | | QPL 33 |
| | Ductile Iron Pipe | RCE File | | Iron or Steel |
| ChnLnkFnce-806 | Fence, Chain Link Fencing Fabric | RCE File | | Attachment A |
| ChnLnkPstRodBar | Fence, Post, Rod, Bars | RCE File | | Attachment A |
| WirWov-806, WireBarbed-806 | Fencing, Woven and Barbed Wire | RCE File | | Attachment A |
| | Floating Skimmers | RCE File | | QPL 82 |
| | Grout | RCE File | | |
| RubberJointMatl | Joint, Preformed Rubber Filler | RCE File | Y | QPL 81 |
| | Monomolecular Polymer Film Products | RCE File | | QPL 36 |
| PipePVCPperf | Perforated Pipe, PVC | RCE File | Y | |
| | Pipe, Dissimilar Coupler | RCE File | Y/N | Note 4 |
| PipePVCSolid | Polyvinyl Chloride Pipe (Non-Perforated) | RCE File | Y | |
| | Porous Baffle Systems | RCE File | | QPL 83 |
| | Rapid Patch Material for Conc. | RCE File | | QPL 22 |
| | Reinforcing Steel | RCE File | Y | QPL 60 |
| SteelReinf-CB | Reinforcing Steel - Catch Basin | RCE File | | Iron or Steel |
| SteelWireDeform | Reinforcing Steel - Deformed Wire | RCE File | | |
| SteelWire4x4 | Reinforcing Steel - Fabric Mesh 4x4 | RCE File | | QPL 85 |
| SteelWire6x6 | Reinforcing Steel - Fabric Mesh 6x6 | RCE File | | QPL 85 |
| | Sprinkler and Lighting Systems | RCE File | | |
| | Surface Adjustment Risers | RCE File | | QPL 15 |
| | Traffic Signal Items | RCE File | Y | Note 5 |
| TrPntBeadE-M247 | Glass Beads | RCE File | | |
| TrPntWhE-604 | Traffic, Paint White | RCE File | | |
| TrPntYelE-604 | Traffic, Paint Yellow | RCE File | | |
| TrafMarkPerClr | Pavement Markers - Permanent Clear | RCE File | | |
| TrafMarkPerYel | Pavement Markers - Permanent Yellow | RCE File | | |
| TrafMarkRedClr | Pavement Markers - Permanent Red/Clear | RCE File | | |
| TrafMarkTemClr | Pavement Markers - Temporary Clear | RCE File | | |
| TrafMarkTemYel | Pavement Markers - Temporary Yellow | RCE File | | |
| WoodTreated | Wood, Treated | RCE File | Y | |
| CementTypel, II, & III | Portland Cement | Note 6 | | QPL 6 |
| CementTypeSM | Slag-Modified Portland Cement | Note 6 | | QPL 18 |
| FlyAshPCC-701 | Fly Ash, PCC | Note 6 | | QPL 3 |
| SlagPCC-701 | Non-Steel Blast Furnace Slag | Note 6 | | QPL 6 |
| StIStrucFast709 | Structural Steel Fasteners High Strength | Note 6 | | Iron or Steel |

Material Certification Requirements

| Notes | |
|--------|---|
| Note 1 | Applies to PVC only. |
| Note 2 | Applies to single component only. |
| Note 3 | Source of production requirements apply to both steel and aluminum. |
| Note 4 | Only if iron or steel. |
| Note 5 | These are addressed by the applicable Traffic QPL. |
| Note 6 | Certification sent with sample. |

| Summary Of Revisions | |
|-----------------------|---|
| <i>Revision Date:</i> | <i>Detail:</i> |
| 12/1/2023 | Removed Pipe, Polyethylene Solid Wall to comply with SC-M-714 (PipePESolidWall) |
| 4/7/2023 | Added information for certification of source of production requirements. |
| 7/1/2022 | WoodTreated - changed certification requirement to RCE retain File |
| 8/1/2021 | SteelReinf-CB - changed certification requirement to RCE retain File [Cert is applicable Mill Test report] |
| 11/1/2018 | ChainLink (Fence-806 & PstRodbar) - added certification requirement RCE retain File |
| 4/1/2019 | PipePVC (Perf & Solid) - changed certification requirement to RCE retain File |
| 4/1/2019 | RubberJointMatl - added certification requirement RCE retain File |
| 4/1/2019 | PipeCorrPE & PipePECorr - removed certification requirements |

| Material Certification Submission Policy |
|---|
| <p>The following policy will be enforced for material certification submission</p> <p>Each manufacturer's material certification MUST:</p> <ol style="list-style-type: none"> (1) Have a legible signature and date from the manufacturer, authorizing it as valid (2) Have a statement referencing that the material meets SCDOT specification or other specified requirements (3) Have a Sample ID number and data input in SiteManager or AWP See: ProjectWise > General Files > Construction > AASHTOWare Project > Quick Reference Guides > '14. How to Submit a Sample Record' (4) Be uploaded to the ProjectWise contract folder See: ProjectWise > General Files > Construction > Construction Forms > Guidance Documents > 'Material Certifications & PW Wizard Instructions' (5) Show test data on the certification, when required. <p>Any certifications that do not meet these requirements will not be accepted, resulting in contract estimate discrepancies.</p> |

Attachment A: Coated Fencing Material Requirements

Obtain material certification for RCE file. Ensure that certification indicates the materials meet these requirements.

- **Chain Link Fabric (Certification that chain link fence fabric is 9 gage steel wire meeting requirements of AASHTO M 181, Section 14, Type 1, Class D, or Type 2)**
 - No. 9 gage steel wire
 - Coating: AASHTO M 181, Section 14
 - Type 1, Class D (Zinc):
 - Min avg. coating: 2.0 oz/ft² (610 g/m²)
 - Min coating on individual sample: 1.8 oz/ft² (549 g/m²)
 - Type 2 (Aluminum)
 - Min avg. coating: 0.4 oz/ft² (122.1 g/m²)
 - Min coating on individual sample: 0.3 oz/ft² (92 g/m²)
- **Woven Wire (Certification that woven wire meets requirements of AASHTO M 279 (ASTM A116), Type Z, Class 1, Grade 60)**
 - Coating: AASHTO M 279 (ASTM A116)
 - Type Z, Class 1, Grade 60
 - Avg coating depends on wire size.
 - Breaking Strength: AASHTO M 279 (ASTM A116)
 - Grade 60
 - 60 ksi
 - Breaking strength depends on wire gauge
 - Breaking strength of stay (vertical) wire not required
- **Line Posts, End Posts, Corner Posts, and Brace Bars (Certification that posts meet the coating requirements of AASHTO M181, Section 32, Type 1, Grade 1 or Type 2, Grade 2 for tubular posts only)**
 - Dimensions and weight per foot as shown in standard drawings
 - Coating: AASHTO M 181, Section 32
 - Type 1, Grade 1
 - Min avg. coating: 1.8 oz/ft² (549 g/m²)
 - Min. coating on individual sample: 1.6 oz/ft² (488 g/m²)
 - Type 2, Grade 2
 - Min avg. coating: 0.9 oz/ft² (549 g/m²)
 - Min. coating on individual sample: 0.8 oz/ft² (488 g/m²)
- **Tension Wire (Certification that tension wire meets the requirements of AASHTO M 181, Sections 23, 24, & 25)**
 - Diameter: 0.177in ± 0.005 in. (4.50 ± 0.13 mm)
 - Breaking Strength:
 - Minimum average of three specimens: 1950 lbf (8.675 kN)
 - Maximum average of three specimens: 3200 lbf (14.2 kN)
 - Coating:
 - Type 1 (Zinc):
 - Min avg. coating: 2.0 oz/ft² (610 g/m²)
 - Min coating on individual sample: 1.8 oz/ft² (549 g/m²)
 - Type 2 (Aluminum):
 - Min avg. coating: 0.4 oz/ft² (122.1 g/m²)
 - Min coating on individual sample: 0.3 oz/ft² (92 g/m²)

- **Barbed Wire (Certification that barbed wire meets the requirements of AASHTO M280 (ASTM A121) Type Z, Class 1 or Type A)**
 - Wire sizes and barb sizes and spacing in accordance with Section 806.2.4 of Standard Specifications.
 - Coating: AASHTO M280
 - Type Z, Class 1 or better (Zinc)
 - Minimum weight of coating for wire and barbs depends on wire size
 - 12.5 gage: 0.28 oz/ft² (85 g/m²)
 - 15.5 gage: .65 oz/ft² (200 g/m²)
 - 14 gauge (barbs): .25 oz/ft² (75 g/m²)
 - Type A (Aluminum)
 - 0.30 oz/ft² (90 g/m²) for wire
 - 0.25 oz/ft² (75g/m²) for barbs