

# MATERIALS DIVISION

## MATERIAL ACCEPTANCE & TESTING

**THE ACCEPTANCE METHODS LISTED BELOW SHOULD ONLY BE USED AS A QUICK REFERENCE.**

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ACCEPTANCE METHODS ARE SUBJECT TO CHANGE AND THE ACCEPTANCE METHODS LISTED MAY NOT BE APPLICABLE IN ALL CASES. PLEASE REFER TO THE MATERIALS DIVISION MANUAL OF INSTRUCTIONS FOR CURRENT MATERIAL ACCEPTANCE METHODS. PLEASE BE GUIDED BY THE PROJECT SOURCE OF MATERIALS.

### A

#### A.B. Chance Helical Anchors

- [SPEL List](#) (Pending). SS is for Square shaft. HS is for hollow shaft

#### A.B. Chance Helical Anchors

- Check to see if on [SPEL List](#). (Pending) Approved per job basis.

#### A. C. Miller

- Blairsville, PA - [Approved List #34](#)

#### Abrasives

- See [R&B](#) sec. 411 [Approved List #18](#)

#### ACF Environmental in Harrisonburg, Va.

- No plant in Harrisonburg.

#### ACF Environmental

- VDOT QA Suppliers [Approved List # 44](#) Richmond District

#### Acid Resistant Liner PVC

- Visual Inspection

#### Acme Wood Preserving, Princeton, WV

- [Approved List #45](#)

#### Acrylic Paint for aluminum and galvanized surfaces

- [Approved List #47](#)

#### Additives

- Check [Approved List #7](#)

#### Ad-Here 6240

- [Approved List #7](#)

### Adhesive Anchor

- Check [SPEL List](#)

### Adhesive (Geotextile Attach to Panel)

- Visually check cohesiveness

### Adjust Existing Hydrant

- Cert, Sec. **520**; Sec. **510**

### Admixtures, Asphalt

- [Sec. 204.06 Manual of Instruction](#)

### Admixtures

- Physical lab will conduct an infrared scan.

### ADS Drainage Fabric

- Staunton District.

### Advance Precast Inc. at Springfield, Va.

- [Approved List #34](#) Precast QA/QC

### Advanced Drainage Systems

- [Approved List #42](#)

### Advanced Drainage Systems

- No plant in Columbus Ohio, Mailing address

### Aerial Obstruction Lights

- Cert & Bridge Division Approval

### Aexcel Corp.

- Polyester paint, Cert II Pennoni Associates, Inc.

### Aggregates

- [R & B](#) Sec. **202** Fine Aggregate, Sec. **203** Coarse Aggregate; [Manual 204](#)

### Agricultural Lime:(a) Ground limestone (b) Pulverized Limestone (c) Pelletized Lime

### Agricultural Lime

- District test. See [Sec. 204.21;page II-121 of Manual of Instruction](#).

### Ahoskie, NC

- Hampton Roads Dist.

### Airport Markings

- Chemistry Lab (Thermoplastic Material)

### Allaying Dust (Calcium Chloride)

- Test. One sample per district per supplier

### Allaying Dust (Magnesium Chloride)

- Not acceptable. Too expensive

## Allaying Dust

- Operation. Assign to District handling project

Allied/Clearflow is not an approved supplier of precast items.

## Aluminum Alloy

- Sec **229** [R&B](#) and Sec. **204.03** of Man. p. II-13

## Aluminum Extrusion Tube

- Cert; Sec.**229**

Aluminum fabrication of poles, signs and panels does not apply to the “Buy America” provision.

## Aluminum Handrail

- Cert & Mill Analysis [R & B](#) Sec. 504 Sec.**229**

## Aluminum Ladder

- Cert & Mill Check special provisions

## Aluminum Mill

- The CAST # is the same as the HEAT #

Aluminum Oxide not acceptable for Steel Grit & Shot [Approved List #18](#)

Aluminum Railing spec for alloy B221

Amelia Lumber Co. Inc. Amelia, VA

- [Approved List #45](#)

## American Excelsior

- EC-3B Soil Matting See [Approved List # 57](#)

Americast in Ashland, Va.

- [Approved List # 34](#)

Americast, Inc.-----Halltown, Harrisonburg

- [Approved List # 34](#)

Americast--Harrisonburg, Va.

- Staunton

Ameron International

Acquired Valspar Protective Coating Division. (Bridge Paint)

Anchor bolts do not require rotational capacity test

## Anchor Bolts

- Cert & Mill [R & B](#) Sec. **226**

## Anchors

- [Approved List #29](#)

Angle Bracket for Hangers for conduit supports

- Cert & Mill

## Angle Iron

- Cert & Mill. Nosing----- Cert & Mill

## Anode Wire Mesh System

- Cert. Elgard, Dow, ICI

## Anodes

- Cert to the plans

## Anti Stripping Agent

- [Approved List #7](#)

## APP Equipment at Harrisonburg, Va.

- Staunton District

## Aquastain T-96

- [Approved List #30](#)

## Armored Joint Reconstruction Plates

- Cert

## Armored Joint Reconstruction Plates

- Cert & Mill

## Arundel Corp. at Havre De Grace MD

- Suffolk District

## Asbestos Removal

- To be monitored by Environmental Div.

## Asphalt Admixtures

- [Sec. 204.06 Manual of Instructions](#)

## Asphalt Concrete

- [R&B Sec. 211](#)

## Asphalt Impregnated Fabric

- Cert. [Sec. 204.35 Manual of Instructions](#)

## Asphalt Mastic

- Test. [Sec. 204.35 Manual of Instructions](#)

## Asphalt Material, Liquid

- [Sec. 204.05 Manual of Instructions](#)

## Asphalt Materials

- [R & B Sec. 210](#) p.145

## Asphalt Mixtures

- [Sec.204.06 Manual of Instructions](#)



Asphalt Oil

- VDOT Asphalt Acceptance Program

Asphalt Paint Primer

- Test

Asphalt Paint Sealer

- Test

Asphalt Panel (Vibraflex)

- Visual

ASTM C-33 Sand-----Is Acceptable.

Atlantic Construction Fabrics

- No. Va. Office Assign to NOVA

Atlantic Metrocast

- Prestressed Plant in Portsmouth. Hampton Roads

Atlantic States Aggregate

- See Culpeper Stone

Atlantic States Materials in Haymarket, Va.

- NOT APPROVED

Atlantic Technical Sales, Inc.

- No. Va.

Atlantic Wood Industries, Newsoms, VA

- [Approved List #45](#)

Automatic Drainage Gate

- Cert to plans or special provisions

Avery Dennison bought out by Ennis Paint.

AWS-----American Welding Society, Carbon Equivalent

## B

Backer Rod

Visual

Backerboard

- See Protection Board

Backplates for signal heads

- Cert, cuts, Pre-approved lists [R & B](#) spec. **700 Sec. 238**

Bags

- See dirt bags

## Bandit Buckles

- Cert & Cuts

## Bandits, Buckles, Straps

- Cert & Mill [R & B](#) Sec. **238**

## Bar Mat

- Cert. [Page II-57 of Manual of Instructions](#)

## Bar Splicing of Rebars

- Sample on project & Mill analysis

## Bar Supports

- Same as Reinforcing steel

## Barbed Wire Fence

- District

## Barbed Wire

- Test Sec. **204.16(b)1**

## Bar-Lok MBT Couplers

Sample on project

## Barricade-Hinged Bollard

- Certification to the plans or special provisions.

## Barrier Closure Plates

- See SS

## Barrier Delineators

- [Approved List](#) # **23**

## Barrier Shield Plate

- Cert & Mill

## Barricades, Group II &amp; Type II

- Visual Inspection

## Basic Construction at West Point Va.

- Richmond District

## Basic Construction Co. at Eltham, Va.

- Richmond District

## Batten

- Used in liner with Geotextile fabrics in structure

## Beam Clamps

- Cert, cuts

## Bearing Assembly (Fixed)

- Cert & Mill [R & B](#) Sec. **405**

## Bearing Devices &amp; Anchors

- [R & B](#) Sec. **408**

## Bearing Pads and Bedding Materials

- [Sec.204.04 Manual of Instructions](#)

## Bearing pads for MSE Panels

- Cert (to Mfg. Specifications)

## Bearing Piles

- [R & B](#) Sec. **403**

## Bearing Plates

- Cert & Mill Pre-stressed Conc. Beams Sec. **408**

## Bearing Repair

- Structural Steel Assignment

## Bench

- According to plans. Visual

## Bentonite

- Accept on Mfg. Cert. (Clay balls, very absorptive)

## Bike Rack

- Visual or Mfg. Cert

## Bio Log

- Visual. Used in stream restoration. Environ. Div.

## Bioretention Water Quality Structure

- Manufacturer's certification. Shop drawings approved by L&D (See Special Provisions)

## Bitumastic Paint

- See [Approved List](#) #14

## Bitumin

- Cert II (Glue for Tape)

## Bituminous Concrete

- District

## Bituminous Fiber Joint Filler

- Visual

## Bituthene Membrane

- Cert (for waterproofing)

## Blackout Sheeting 3M 7725 OK

## Blast Media

- Steel Grit. [Approved List #18](#)

## Blasting Material (Paint removal)

- Visual

## Blot Material (sand)

- Test

## Blotted Seal Coat TY D

- VDOT Asphalt Acceptance Program

## Blountville, TN

- Bristol

## Blow-off Valve

- MSS-SP80. Which replaces WW-V-54 is acceptable

## Bollard (Luminaire or Unlighted)

- Cert to special provisions or [R & B](#) Sec. **705**

## Bollard

- See Barricade Bollard or Hinged Bollard

## Bolton Concrete Products at Bristol, VA

- [Approved List # 34](#) Precast QA

## Bolton Concrete Products at Bristol, VA

- [Approved List #26](#) CP

## Bolts General use A307

- Visual Inspection only. [Manual of Instructions II-59](#)

## Bolts

- Check A36 to A307 for High Strength (A325 also)

## Bolts

- If threads are cut bar must be correct thickness

## Bolts

- [R & B](#) Sec. **226** p.207

## Bon Terra Bio Log

- Visual. Environmental Div.

## Bond Breaker Tape

- Visual

## Bond Bushing

- Cert & Cuts

## Bonding Agent

- Test (EP-4)



## Bonding Jumper

- Visual

## Bondo at Atlanta, Ga.

- Pennoni Associates, Inc.

## Bondo P606V Loop Sealant

- Test & approved catalog cuts for approval

## Bondo (Loop Sealant)

- Sample on project

## Bonlastic Adhesive

- Cert. [R & B](#) Sec. **213**

## Booster Pump

- Check Material notes in plans

## Box Culvert

- See Metal Box Culvert

## Brace Wire

- See Fencing

## Breakaway Anchor Bolts &amp; Couplings

- Cert & Mill

## Breaker Box (Elec.)

- Cert, cuts, or Pre-approved list

## Brett Aggregates, Charles City County

- Richmond District

Brick Paver ([Manual II-137](#))

- Cert & Visual. Sample for color; Check plans (ASTM c936)

## Brick

- [R&B](#) Sec. **222** Man. **204.07** p. II-131

## Brick

- 1000 or less require no testing.

## Bridge Approach Expansion Joint

- XJ-1 Joint. See Book of Standards page 302.01

## Bridge Deck Grooving

- District

## Bridge Mounted Sign Structure

- Structural Steel Assignment

## Bridge Rail Bracket

- Visual

Briteline Type E Pavement Markers OK CERT II

Bronze & Copper Alloy [R&B](#) Sec. **230** Man. 204.08 p. II-19

Building Paper

- Visual

Bull Nose Barrier

- Handle as Guardrail

Burke-Parson-Bowlby, Stanton KY; Reedy, WV; Goshen, VA

- [Approved List](#) #45

Burke-Parsons-Bowlby, Ripley, WV

- Staunton

Burlap

- Test; Sample on Project

Bushing

- See Plastic bushing

Buss Fuses

- Cert, Cuts, List Sec. **238** with a detailed description

Butyl Rubber Caulk

- Cert

Butyl Rubber for Deck Membrane

- Cert. Cert must indicate that it is Butyl rubber

Butyl-Tite

- [Approved List](#) (Rubber seal)

## C

C. I. Junction Box Frame & Cover---- (Neenah Foundry)

- Cert to [R & B](#) Sec **224**

Cabinets

- Cert to [R & B](#) Spec. **703**

Cable Barricade

- Cert. Sec. **512**; Book of Standards CR-1

Cable Barrier

- Cable--Visual, Small sign post-----Visual

Cable Clamps

- Visual

## Cable Hangers

- Visual

## Cable Lashing Clamp

- Visual Inspection

## Cable Racks (Saddle racks)

- Visual (See plans)

## Cable Rings

- Visual

## Cable Terminal Enclosure

- Cert, Approved Catalog Cuts [R & B](#) Sec. **703**

## Cable Ties

- Visual

## Cadwell (Test Station)

- Accept by County or the plans

## Caisson

- Cert & Mill (See Drilled Piles) ASTM A252 Gr. 2

## Calcium Chloride

- District (Allaying Dust) Sec. **204.10** p. II-21 Man. of Instruction

## Calcium Chloride

- District (One sample per district per supplier)

## Cantilever Sign Structure

- Same as Overhead Sign Structure SS Assignment

## Capital Foundry Va. Beach

- Suffolk District

## Carbon Equivalent

- For Bolts ASTM A307 & AASHTO M314. For Steel AWS D1.1/D1.5

## Cardinal Stone-----Bear Creek Quarry

- Bristol District

## Carl M. Henshaw Drainage Products-----Powhatan, VA

- [Approved List](#) # **25** CMP

## Casing End Seals

- Visual. Note Mfg.

## Cast Brass Device Box

- Cert

## Cast Iron Flanged Fittings

- Cert

Cast Iron Junction Boxes Frame & Cover--Neenah Foundry

- Cert to Sec. 224

Cast Iron Meter Pit Cover if conforms to ASTM A48 CL. 25 it is OK

Cast Number-----Same as Heat# on Aluminum Mill

Castings

- [R & B](#) Sec. 224; No mill analysis required

Cataphote at Jackson Ms.

- Is sampled by PSI (Agency)

Cataphote

- VGBAP program (Glass Beads)

Cathodic Protection System for Bridge Deck

- Cert to special provisions and or plans

Cattle Walk & Rail

- (Sec. 505) Rail-Post-Cert; Walk- W. Wire-Rip Rap Cloth-----Test

Causeway

- Test

CD Marker Plates

- Visual

CD Marker

- Visual

Cellin Tack

- District

Cellulose Water Containers (Plant or tree)

- Visual

Cement, Hydraulic

- [Sec 204.09 Manual of Instructions](#)

Cement

- Annual Cert to be submitted for approval

Cementrate

- [Approved List #19](#)

Center Strip

- Visual

Central Ready Mix at Meheron, Va.

- NOT APPROVED FOR VDOT WORK



Centralizers

- Visual Inspection.

Century Concrete, Virginia Beach Va.

- QC/QA Program for Soundwall Columns

Ceva Crete; Evazote 380

- [SPEL List](#) Accept. Part of a system (Check System)

Chain Barricade and Sign

- Cert & Mill

Chain Barricade Post

- Cert & Mill

Chain Barrier

- Certification

Chain Hoist

- Cert. Chain Supports & signs---Visual

Chain Link Fence

- Sample on project

Chain

- Tested

Channels

- Cert & Mill

Checker Block Grass Pavers

- Cert to the special provisions

Chemical Adhesive Capsule

- [SPEL List](#)

ChemMasters at Madison Ohio

- Agency; Pennoni Associates, Inc.

Chimney Seals

- Cert. If possible ask for catalog cuts

CHKEE Construction Co.

- Fencing Material Staunton District

Chloride Salts

- [Sec. 204.10 Manual of Instructions](#)

Chloride Salts

- Tested. [Page II-21 of Manual of Instructions.](#)

Chucks

- Cert Prestressed Concrete Box Beam

## Clamps

- Cert & Approved catalog cuts, [R & B Sect.700 & 238](#)

## Clamps-Terminal Enclosure

- Cert & Cuts

## CLAYMAX

- No way of testing. Accept on Mfg. certification.

## Clear Flow Precast at Waynesboro, VA

- [Approved List #34](#), Precast QA/QC Program.

## Clevises

- Visual [Page II-132 in Manual of Instructions](#)

## Close Nipples

- Cert & Cuts

## Closure Plates

- Structural Steel assignment

## CM-90 Asphalt

- Accept under VAAP

## CMC Supply, Inc.-----Roanoke, VA

- [Approved List #25](#) CMP

## Coating Thickness for Box culverts

- AASHTO M167 (2.7 oz/ft<sup>2</sup> min.)

## Coffer Dam

- Visual Inspection. To be reviewed by the structures and Bridge Div.

## Coil Inserts

- See Lifting inserts

## Coil Rods for Diaphragms

- Test

## Coil Rods

- Test, District

## Coir Fiber Log

- Manufacturer Certification

## Coir Fiber Matting

- Manufacturer Certification (See [Approved List #56](#))

## Coir Fiber Twine

- Sample on project. Check special provisions

## Cold Galvanizing Compound

- See Galvanizing compound

## Colonial Construction Supply, Inc.

- [Approved List #44](#) VDOT Supplier QA Program

## Column Wraps

- Test results required to meet special provisions; See wraps

## Commercial Ready Mix Products at Cofield, NC

- Hampton Roads District

## Commercial Seeding, Inc.

- Suffolk District

## Comp. Straps

- Cert & Cuts

## Compression Connector Blocks

- If neoprene cert. to [R&B 519](#)

## Comtrac 300.70 High Strength Geotextile

- Hi-Strength Geotextile

## Con Seal Joint Material

- [Approved List #14](#)

## Con Spec

- Visual. Form release compound

## Concrete Chairs

- Visual

## Concrete Color Coating

- See [Approved List #30](#)

## Concrete Encasement

- District

## Concrete Parapet (Electrical Items)

- May need breakdown of items

## Concrete Parapet

- ----District

## Concrete Retardant

- Visual

## Concrete Rip Rap in Bags (Quickrete)

- [SPEL List](#)

## Concrete Rip Rap in Bags

- [R & B Sec 414](#) page 525



Concrete Safety Systems

- [Approved List #34](#)

Concrete Specialties, Inc.-----Roanoke, VA

- QA [Approved List #34](#)

Concrete, Hydraulic Cement

- [Sec 204.11 Manual of Instructions](#)

Conductor Cable 14/2 if it is IMSA 20-1 it is acceptable

Conductor Cable 16/3 can be IMSA 20-1.

Conductor Cable Identification Tags

- Visual

## CONDUIT

- See below

Bridge Conduit Systems

- Sec. [R & B](#) sec.419 & conforms to sec. 238

Conduit Push

- Cert AND Approved Catalog Cuts

Conduit Riser

- Visual

Conduit Spacers

- Visual

Conduit Supports

- Cert, cuts, lists

Conduit Systems (Electrical)

- Sec. [R&B](#) sec 419 page 566.

Condulet 1 1/4"

- Cert, Cuts, Lists [R & B](#) Sec.700 Conf. to 238

Condulets

- Cert & Cuts

Flexible Conduit

- See Liquidright Flexible conduit

Flexible Metal Conduit

- See Liquidright Flexible conduit

FRE Conduit

- Cert, cuts, [Approved List](#)

Galvanized Conduit



- Cert, cuts, [Approved list](#)

**GRS Conduit**

- Galvanized Rigid Steel Conduit-----Cert, cuts, [Approved List](#)

**Malleable Conduit body LB, HDG W/cover & gasket**

- Cert & cuts

**Metal Conduit**

- Cert, Cuts List. [R & B](#) Sec. **238**

**Push Conduit**

- See Conduit Push

**PVC Conduit & Fittings**

- Cert. cuts, lists [p. II-25 Manual of Instructions](#)

**PVC Conduit TYPE EB**

- No longer allowed

**Type EB PVC Conduit**

- No longer allowed

**Confilm (Brand Name)**

- Visual

**Conformance with Specifications**

- [R & B](#) **Section 200.02**

**Construction Pavement Marking Type D 4"**

- Cert II

Construction Materials at Covington, VA is an Approved Ready-Mix plant

**Construction Sign Fluted- Substrate**

- Sec. **512.02(e)** VISUAL if temporary

**Construction Signs (Temporary)**

- Visual Inspection [R & B](#) Sect. **512**

**Contech Construction Products**

- Greencastle, New Castle, Charlotte, Raleigh, Summit – [Approved List](#) #25 CMP

**Contractors Precast Corp**

- Davidsonville, MD - QA [Approved List](#) #34

**Control Centers**

- Cert, Cuts, [R & B](#) Sec. **705**

**Control Panels**

- Cert, Cuts, List [R & B](#) Sec. **705**

Control Set--Surface Retarder for Exposed Sidewalk

- Visual

## Controller Cabinet

- Cert, cuts, list [R & B Sec. 703](#)

## Controller -Supplied by VDOT

- Visual

## Controller

- Cert, App Cuts, List [R & B Sec.703](#)

## Conwall Co. at Harrisonburg, VA

- Staunton District

## Coping for Precast Retaining Walls

- Cert. Decorative top

Copper & Bronze Alloy [R&B](#)

- [Sec. 230- Manual of Instructions 204.08](#)

## Copper Sheet &amp; Strip

- No testing or certification required. P II-23 Sec. **204.12** of Man.

## Corner Brace

- Ripley, WV- A. W. Williams (Agency)

## Corporation Stop

- Cert [R & B](#) Sec. **520** AWWA C800

## Corrosion Rate Probe

- Cert from Mfg.

## Metal Multi-Plate Arch

- Cert & Mill Sec. **232.02**

## Counterweights

- Structures (SS)

## CR RoundsA-I08 (Cold Rolled)

- Cert & Mill

## Crackfiller Mfg. Corp. at Cheyenne, WY

- (Agency) PSI

## Crafco 34271 see MSI Loop Sealant

## Crafco Roadsaver 222

- Assign inspection agency

## Cross drains

- Certification

## Crosshole Sonic Logging Tubes

- Cert & Mill. Check Special provisions.

Crown Technology on Vernon Rd in Lagrange, GA has changed to Woodbury, GA

CRS-2; 70-22

- VDOT Asphalt Acceptance Program

Crushed Concrete from E. V. Williams is not approved.

CSL Tubing

- See Crosshole Sonic Logging Tubing

Culpeper Wood Preservers, Culpeper, VA; Fredericksburg, VA

- [Approved List #45](#)

Curb Separation System

- See Lane Separation System

Curing Blankets

- Visual

Curing Compound

- Sample at supplier if possible

Curing Materials

- [R&B Sec. 220](#) Man. of Instruction 204.13 p. II-23

Curlex (Jute Mesh)

- See [SPEL List](#)—Rejected

Curtis Contracting, Inc.-----Newport News, VA

- [Approved List #34](#) QA

## D

D. L. R. Fence Co. at Verona, VA

- Staunton District

D. S. Brown North Baltimore Ohio

- Robert W. Hunt Co. (Agency)

Dale Quarry, Chester Va.

- Richmond District

Damp-proofing and Waterproofing materials 213. Check type of system. A, B, C, D, E

Damp-proofing

- [Sec. 204.35 Manual of Instructions](#)

Damp-proofing

- Test (Sealer and Primer test) Sec. 213



Dandy Sock (Dewatering Bag)

- Visual Inspection

Debris Rack

- Cert & Mill. Check plans and special provisions

Deck Drainage System

- See special provisions

Deck Drains

- See Weep Hole pipe

Deformed Tie Bars

- Test or Accept on Mfg. Cert.

Delineators

- [Approved List #23](#)

Delineators

- [R & B Sec. 702](#)

Delineators

- Types: Guardrail; Barrier; Road Edge

Detector Harness

- Cert, Cuts, Lists Sec. [R & B 703](#)

Dewatering Bag (Dandy Sock)

- Visual Inspection

Diaphragm Repair

- SS. If Va. Construction Supply assign to Salem District

Diaphragm Repairs

- Structural Steel assignment

Direct Bury Splice Kits for Conductor Cable

- Cert & Approved Catalog Cuts

Dirt Bags

- [Approved List #60](#)

Display map

- Visual

Dobco -----Thermoplastic.

- Assign Pennoni Assoc. (Agency)

Doghouse Base (Manhole Cover)

- Test

Door/Hardware

- Cert & cuts

## Double Face Parapet Service

- Same as Traffic Barrier Concrete Service

## Double Row Terminal Block

- Cert & Cuts

## Dowel Baskets

- Sec. **316** of the [R&B](#). and conf. to sec. **223**

## Dowel Caps

- See plastic dowel caps

## Dowel Pin

- Accept on Mfg. Cert & monitor on project.

## Dowel Sleeve

- VISUAL --- Galvanized Sleeve not to be used in concrete.

## Dowels, Paint Used in assembly

- Test

## Dowels; Rubber Tips

- Visual

## Dowels

- Accept on Manufacturers Cert & Monitor on Project

## Doyle Brick in Suffolk District

- Sample on Project

## Drain Box Modification

- See plans

## Drainage Structures

- [R & B](#) Sec. **302**

## Dresser Expansion Joint (Va. Const.)

- Cert & visual. (See above)

## Drilled Caisson

- Cert & Mill ASTM A252 Gr.2

## Drilled Mini Piles

- If temporary "Visual Inspection"

## Drilled Shaft (Bridge Substructure)

- Visual if removed.

## Driving Test for Piles

- If not concrete, Cert & Mill. Make distinction

## Drop Inlet

- District or VDOT Pipe QA/QC Program

## Dummy Fuses for Fuse Holder

- Visual Inspection

## Duracal

- Brand name & Visual

## Dywdag System

- Certification

## Dynamic Pile Testing

- See Driving Test for Steel Piles

## Dynamic Rubber Products at Athens, Texas

- (Agency) Pennoni Associates, Inc

## Dynatran Bondo--Loop Sealant

- Rescinded

**E**

## Earth Anchor

- [SPEL List](#)- Reject (If approved by L&D Cert)

## Earthquake Pads (Seismic Pads)

- Cert & Mill

## East Jordon Iron Works purchased Vulcan Foundry.

- Accept on Certification

## East Jordon Iron Works

- Cert. to [R & B](#) Sec.224

## East Jordon Iron Works at Finksburg MD.

- A storage facility only. Accept as App. List #61

## East TN Foust Product

- See Lebanon Block & Supply

## Easter Fencing

- Salem District. See Southern States at Hillsville, VA

## Eastern Supply Co. at Winchester

- Staunton District

## Eastern Supply, Inc. at Winchester VA.

- CMP [Approved List](#) #25

## Eastern Vault, Princeton, WV

- Salem District



Eastern Vault at Princeton, WV

- QA [Approved List #34](#)

E-Bond Epoxy

- Agency

Elastomeric Expansion Dam

- Cert & Mill, Test neoprene. Sec. **204**

Elastomeric Expansion Dam

- Test Cert & Mill metal [R & B](#) Sec. **421**

Elastomeric (Neoprene) Gasket

- Cert.

Electric Frames & Grates

- Suppliers Location and District

Electrical Components

- [R&B](#) Sec. **238** Man. Sec. **204.14**

Electrical Items---Ground Rods

- Visual

Electrical Service Entrance

- Cert, Cuts & Mill analysis

Electrode and Flux-Electrode Combinations

- [Approved List #9](#)

Electrometric Bearing Pads

- [Manual of Instructions Sec. 204](#)

Electronic Arrow

- Visual

Elite Paint Company shall maintain the Davis Frost Product

Elongation % for piling and steel sign post if deviation does not vary over 2% OK.

Eltham VA

- Richmond District

Emergency Preemption Detector Cable

- Cert, Cat cuts. Conforms to sec **238**

Emergency Preemption Equipment

- Cert, catalog cuts

Empire Sales-----Hampton, Va.

- REMOVED FROM CONCRETE PIPE LIST ON 8/22/02

End Walls

- District (unless used in special)

## Energite Modules

- See Impact Attenuators

## Ennis Paint at Ennis Texas

- Richmond District

Ennis Paint is Douglas Paint. In Richmond; Richmond District will sample

Ennis Paint-----Thermoplastic producer in St Augustine Fla.-----PSI

Ennstone Inc. is new name of Fredericksburg S&G

## Entrance Cap

- Cert, Cuts, Lists [R & B](#) Sec. 700 & 238

## Environmental Fence

- If orange check special provisions and "VISUAL"

Epoplex at Cleveland, Ohio is a remit address. Use Maple Shade for inspection letters

## Epoxy DBA-5

- Epoxy Anchor on [Approved list #29](#)

Epoxy if 15 Gals. or less may be CERTIFIED

Epoxy LM is not Approved for crack repair. Should be LV

## Epoxy Paint

- Cert

## Epoxy Resin Systems

- [R & B](#) Sec. 243; Sec. 204.15 of Man. p. II-26

## EQUIPCO

- Staunton District

## Erosion &amp; Siltation Control

- [R & B](#) Sec. 303 p. 306

## Essroc, Inc.-----Hampton, Va.

- [Approved List #26](#)

## Eucocrete

- Accept on Mfg. cert

## Eucopatch

- Accept on Mfg. Cert

## Eva-Pox from Epoxy Technologies

- Cert\* Test data required. (NOVA)

## Evapox Solvent

- See Evazote 380



Evazote 380 is on [SPEL List](#). Accept

Evazote 380

- [SPEL List](#). Part of a system

Evazote

- Check [SPEL List](#)

EXP-90 Suit-Kote Corporation

- VDOT Asphalt Acceptance Program

Expansion Anchors

- [Approved List](#) # 29

Expansion Anchors

- Cert & Mill [R&B](#) sec. 412.02(e) g. see 226.02(d)

Expansion Dams

- [R & B](#) Sec. 421; p. II-29 [Sec. 204.19 of Manual of Instructions](#)

Expansion Joint Reconstruction

- Structural Steel

Expendable Abrasives

- Need to submit a reason for using Expendable Abrasives

## F

Fabric Sock

- Visual

Face Panels for Reinforced Earth Walls

- Need documentation of results & certifications on steel

Fairfax Sewer Saddle (San. Sewer Lateral Conn.)

- Cert to Sec. 520

Farm Gate

- Visual

Fasteners

- Cert. Check specs.

Fence

- FE W1, Line & Corner Brace, Coated Vinyl mfg.

Fence Tension Wire

- Tested

Fence

- Anchor Devices see [R & B](#) Sec 507. Shall be galvanized.

## Fence-Chain Link

- Sample on Project

## Fence-Galvanized Post/Rail

- Sample on Project

## Fence-Gate

- Visual

## Fence-Line Brace

- Sample on Project

## Fence

- Rods, fittings, gates, electrical ground rods, wire clamps-----Visual

## Fences

- [R & B Sec. 507](#)

## Fertilizer

- Sec. 244 of [R&B](#) and Sec. 204.20, [p. II-31 in Manual of Instructions](#)

## Fertilizer

- Visual

## FG300 Delineator (Curb System)

- See [Approved List #16](#)

## Fiber Joint Filler (Bituminous)

- Visual Inspection

## Fiber Log

- See Coir Fiber Log

## Fiber Mulch, Wood Cellulose

- [Approved List #11](#)

## Fibered Damp-proofing; Joint Sealer (Tradesman; Krnak)

- Sample on project

## Fiberglass Junction Box

- Cert, Cuts, List [R & B Spec. 700 sec.238](#)

## Fibers for Stone Matrix Asphalt (SMA)

- Accept on Mfg. cert. Check Spec. Provision

## Fibers Synthetic--W. R. Grace

- Accept on Brand Name. [Approved List #35](#)

## Field Office

- Assign to District

## Field Sampling

- Sec. 201 of Man. of Instruction. p. II-1

## Filler Cord

- Visual

Filter Fabric for Pipe wrap is not acceptable. Check with R/W & Utilities

## Filter Fabric (Geosynthetics)

- [R & B Sec. 245](#): Sec. **204.20(f)** [p. II-32 of Manual of Instructions](#)

## Finger Tooth Dam

- SS Structural Steel

## Fire Hydrant

- Cert [R & B Sec. 520](#)

## Five Star Grout

- Accept on Mfg. cert including independent test data

## Five Star Structural Concrete

- [Approved List #31](#)

## Fixed Bearing Assembly

- Cert & Mill [R & B Sec. 405](#)

## Flagger Service

- [R & B Sec. 512](#)

## Flaggers

- Assign to District of project (Visual)

## Flange Bolts

- Cert & Mill

## Flasher

- Cert, cuts, list [R & B Sec. 703](#)

## Flashing Tec Screws for Sound Barrier Wall

- Cert & Mill with other items (**519.02(I)**)

## Flat Face Wheel for portal tide gate repair

- Cert & mill. Check special provision ASTM B22

## Flint Trading

- [Approved List](#) for PREFORMED TAPE (See special Provisions) Cert II

## Floor Stand &amp; Sleuce Gate

- Cert

## Flowable Backfill

- Mix Design to be submitted to District (Check for mix design)

## Fly Ash in Lieu of Borrow

- Test

## Fly ash

- Annual Certification MD-223-98

## Fly Ash

- [R & B Sec. 241](#); p. II-27 [Sec. 204.17 of Manual of Instructions](#)

## Foamtastic

- Sampled on project by No. Va.

## Form Liner

- Cert [R & B Sec. 404](#)

## Form Oil

- Visual

## Form Release Compound

- Visual ConSpec

## Form Saver Coupler

- Consultants Approval or Bridge Divisions Approval & Visual

## Form Services

- -No. Va.

## Forms for Concrete

- Visual. Unless Corrugated deck forms

## Forms

- For concrete Cert. To [R & B Sec. 404](#)

Foust Products see Lebanon Block & Supply

Frame & Cover for Cast Iron Meter Box Class 25 is acceptable

## Frames &amp; Covers F&amp;C-1

- Shall be ASTM A48 Cl.30 For water & sewer

## Frames &amp; Covers MH-1

- Shall be AASHTO M105 Cl.35 For drainage

## Frames &amp; Covers

- See Water Works Supply

## FRE Deck Drains

- Cert

Fredericksburg S&G name changed to Ennstone Inc.

## Frequency of Testing

- [Sec. 201&205 of Manual of Instructions](#)

## FRP Jackets

- Cert to special provisions with test results. (Requirements)

## G

### Gabion Basket

- Cert. [R & B](#) Sec. **610**

### Gabion Baskets

- Cert\* catalog cuts to be submitted for review and approval

### Gabions

- Cert. Cert must be accompanied by supporting data and or catalog cuts

### Galvanized Carriage Bolts

- Visual

### Galvanized Channels

- Cert & Mill [R & B](#) Sec **700**

### Galvanized Deck Drains

- Cert & Mill [R & B](#) Sec. **232**

### Galvanized Drift Pin

- Visual

### Galvanized Handrail

- Cert & Mill, Sec. **504** Sec. **232.02**

### Galvanized Hardware Cloth

- Visual [R&B](#) Sec. **302**

### Galvanized Lag Bolts

- Visual

### Galvanized Paint

- Visual inspection. SS

### Galvanized Steel Angles

- Cert & Mill

### Galvanized Threaded Rod

- Cert & Mill [R & B](#) Sec. **226**

### Galvanizing Compound

- Accept on Mfg. Cert Per spec. Sec. **233**

Galvanizing for Box culverts (See coating thickness for box culverts)

### Galvanizing

- [R & B](#) Sec. **233**

### Gate Valve & Box, Fire Hydrant

- [R & B](#) Sec. **520**

## Gate Valves

- AWWA C509 valves can be used in place of C500

## Gates (Pedestrian Access Gates)

- Cert to Special provisions

## Gates

- Visual for Fence

## Geocomposite Wraps

Cert & Test results to meet special provisions. See wraps

## Geo-Grid, Tensar

- Must conform to Special Provisions

## GeoProducts, LLC at Kilmarnock, VA

- [Approved List](#) # 44. Fredericksburg District

## Geotextile Fabric Amoco 2044

- Accepted on certification

## Geotextile Fabric for retaining walls see special provisions

- Accept on Mfg. Cert

## GeoWeb GW30V4

- Accept on Mfg. cert & Visual

## GETCO Geosynthetic Clay Liners (GCLs) vs Compacted Clay Liners (CCLs)

## GETCO Geosynthetic Clay Liners-----GCL=Geosynthetic Clay Liners

## GETCO Geosynthetic Clay Liners-----Seepage Control Liner. Accept on Mfg. Cert

## Glare Screen

- Cert & Catalog Cuts See Special Provisions

## Glare Screens

- See Syro Modular Glare Screens [SPEL LIST](#)

## Glass Beads

- Potters Industries and Cataphote on VGBAP

## Glass Beads

- [R & B](#) Sec. 234

## Glass Beads

- See Potters Industries

## Glass Beads

- VDOT Glass Beads Acceptance Program

## Glass Fiber Reinforced Polymer Bars (GFRP)

- Certification\* including test results



Glulam Panels, Stiffeners, Rails  
Cert to plans

Glulam panels, Stiffeners, Rails

- See Chemistry Lab about possible assignment

Gold Hill Wood Preserver

- [Approved List # 45](#)

Grab-It Cable Splice Prestress Supply

- Test at local supplier or sample on project

Grade Beams (Median Barriers)

- Test

Grade D Silica Sand

- Sample on project

Graffiti Paint

- Check [Approved list #30](#)

Granite Block for Rip Rap

- If nothing in plans or special provisions VISUAL

Granite Pavers

- Environmental Quality Division approval

Graphite Pads

- Accept on Mfg. cert.

Graphite Powder

- Accept on Mfg. cert. Check plans if possible

Grass Seed

- Green Tag

Grates

- Sample at District. If not Cert to sec. **302** conf. to sec. **226.02**

Grating---- (Steel Grating)

- Cert & Mill

Gray Iron Castings

- Test; [R&B Sec.230 Approved List #61](#)

Grease

- Visual

Greenscape Seeding at Seaford, Va.

- Suffolk District

Greenwald Supply Inc.

- No. Va.

## Grid Flooring

- Cert. [R & B](#) Sec. **409** A36 Steel

## Ground Clamps

- Visual

## Ground Limestone

- [R&B](#) Sec. **240** p. 246

## Ground Rods

- Visual

## Ground Wire

- Cert, cuts, List

## Grounding Connector

- Cert & Cuts

## Grounding Electrode

- Same as Ground Rod

## Grout

- \*\*Sec. **218** Of [R&B](#) p. 198, Manufacturers Cert. Mix Design or Bag

## Grout

- \*Accept on Mfg. Cert if it meets requirements of Sec. **218.03(c)**

## Grout 5 Star

- Accept on Mfg. cert including independent test data

## Grout

- Grout and Non-shrink mortar are different

## Grout Post Tensioning

- See [SPEL List](#)

## Grout Retention Disk

- Visual. Must have weep hole

## Grout Rings

- Accept on Mfg. cert. Must conform to Sec. **218**

## Grout, Cement

- Mfg. Cert. With independent test data

## Grout, Epoxy

- Check [SPEL List](#). If not on [SPEL List](#) mark "Not Approved"

## Grout, Metallic

- Same as Non-Shrink. Mix design needed



## Grout

- [Manual of Instructions page II-23](#)

Guard Rail Delineators from Stimsonite not on [Approved List](#)

## Guard Rail Delineators

- If not on [Approved List #23](#) then Sample on Project

## Guard Rail (Delineators)

- [Approved List #23](#). Not part of guardrail system

## Guardrail Paint

- Check special provisions. [Approved List # 47](#)

## Guardrail, Steel Beam

- [Sec. 204.18 Manual of Instructions](#)

## Guardrail

- Sec. **221 R&B**; Sec. **204.18** Man. p. I-28

## Guardrail Weathering Steel

- [R & B](#) Section 407.06(h)

## Guniting

[Approved List #33](#). Mix design to be submitted

## Gutterbuddy

- [Approved List #59](#)

## Guy Anchors

- Visual

## Guy Guards

- Visual

## Guy Sleeve

- Cert & Cuts

## Guy Wire, Tether Wire

- Sample on project

## H

## Hallen Products-----Snow Plowable Pavement Markers

- [Approved List #22](#)

## Halophane Sign Lighter Fixtures

- Cert & Approved catalog cuts. [R & B](#) Sec. **700 & 705**

Hancor at Mebane, NC

- [Approved List #42](#)

Handrail

- Test Galvanized at District; Cert & Mill Alum. [R&B Sec.504](#)

Hanger Assembly

- Cert, Cuts, Pre-approved List [R & B Sec 703](#)

Hangers for Fascia Brackets (Temporary Form support)

- Visual

Hanson Concrete Products

- Dorsey Run, Hanover, Richmond – QA

Hanson Concrete Products

- Lynchburg, Va.- CMP

HAPCO at Abingdon VA

- Approved, Bristol District

Hardboard

- Visual

Hardware Cloth

- Visual

Hardware Staples, washers, misc.

- Visual

Hardware/door

- Cert & Cuts

Haunch Boaring (Assembly)

- SS Structural Steel

Haymarket, Va.

- See Atlantic States Materials

Hay

- Visual

Head Bolt 3/4x15"

- Visual

Henshaw Drainage

- [Approved List #25](#)

Herbicide

- To be approved by the Environmental. Division (See sect. 244 p. 257 in [R&B.](#))

High Chairs

- Visual

## Hinged Bollard

- Certification. Cert to the special provisions or plans

## HMAT (Hot Mix Asphalt Treatment)

- District (Check Special provisions)

## Hold Downs

- Visual

## Hole Straps

- Cert & Cuts

## Home Depot-----Treated wood

- Not an Approved source

## Hook Bolts

- Cert & Mill

## Hoover Treated Wood Products Inc. Milford, VA

- [Approved List #45](#)

## Hot Mix Asphalt Treatment (HMAT)

- District (Check special provisions)

## HPS Sign Lighters (150Watt)

- Cert & Mill

## Hub

- Cert & approved catalog cuts [R & B Sec.700 &238](#)

## Huesker Inc.

- Hi-strength Filter fabric. See High strength Filter Fabric

## Hydraulic Cement Concrete

- [Sec. 217; Sec. 204.11 of Manual of Instructions](#)

## Hydraulic Cement Concrete Admixtures

- [R & B Sec. 215](#)

## Hydraulic Cement

- Certification. MD-223-98

## Hydraulic Cement

- [R & B Sec. 214](#); [Sec. 204.09](#) of Man. p. II-19
- 

## Hydraulic Lime

- Same as Hydrated Lime

## Hydric Soil for wetland mitigation

- Shall be an anaerobic soil

## Hydro Conduit CSR

- [Approved List #34](#); Ashland, Thomasville, Frederick

#### I.A. Construction, Pocomoke, MD

- Suffolk District

#### Identification Tags for Conductor Cable

- Visual

#### Illuminated Street Sign

- Cert & Cuts. [R & B](#) Sect. 703; (Check Pre-approved List)

#### Impact Attenuators

- Cert\*. For temporary use Visual Inspection. See Energite Modules

#### Impact Attenuators

- For temporary use-Visual Inspection per Brand name on Plans

#### Injection Resin

- Cert

#### Inserts & Hold Downs

- Visual

#### Install Sign

- Cert & Approved Cat. Cuts Mill Analysis (See sign Panels)

#### Install Signs

- Assign to District handling project

#### Insulated Spade Terminal

- Cert & Cuts

#### Interlock Pavers

- Cert

#### Internally Illuminated Street Name Sign

- Cert & Approved catalog cuts

#### Interplast

- Is a powder-like admixture used with non-shrink grout

#### Interstate Construction Products at London Ky.

- Bristol District

#### Interstate Fence Supply at Mt. Sterling Ky.

- Sample on project

#### Inventory Tracking

- [R & B](#) Sec. 204.30, [page II-52 of Manual of Instructions](#)

#### Irrigation System

- Proof test by Environmental Div. and Visual

## J

J & P Fence Co. at Weirs Cave, VA

- Staunton District

J. O. Herbert-Guardrail delineator

- Sample on project

Jack Quarry

- Richmond District

Jackets FRP

- Cert to special provisions with physical requirements

Jeene Sealing Joint (Joint Reconstruction)

- Check [SPEL List](#)

Jefferson, NC

- Bristol District

Jennite-Jlb

- Sample on project

Jessie Morie Sand Co.

- If not local supplier "Sample on Project"

Jett Co.

- Suffolk District

Joint Assembly

- Test

Joint Materials

- [R & B](#) Sec. 212; p. II-29 [Sec. 204.19 of Manual of Instructions](#)

Joint Sealer; Fibered Damp-proofing (Tradesman ;Krnak)

- Sample on Project

Junction Box

- Cert, cuts, list JB-1C

Junction Chamber Frame

- Aluminum - Cert & Mill; Galvanized Metal—Test

Junction Chamber

- Same as Junction Box. Check Supplier and Mfg.

Jute Mesh

- Visual

## Jute Packing

- Visual

## K

## K. J. Williams Concrete Co. Inc. at Cresaptown, MD

- [Approved List #34](#)

## Kennedy Valve

Cert

## Kerosene

- Visual

## Kingsport, TN

- Bristol District

## Kling Plus 3024

- [Approved List #8](#)

## Knee Brace Piling

- Cert & Mill

## KOCH Materials

- VDOT Asphalt Accept. Program

## Korolath Pads

- Cert. (Maybe used for soundwalls [R & B](#) sec. 519)

## Korolath Shim Strips

- Visual. See Shim Strips

## L

## Ladders

- Cert & Mill. Cert if Galvanized. Check Special Provision (See Alum. Ladder)

Ladtech Plastic Manholes are not approved for high traffic volume projects [SPEL List](#).

Ladtech Plastic Manholes are supplied by Americast.

Lafarge in Ball Ground Ga. is no longer in use.

## Lamps

- Cert & Catalog cuts [p. II-132 of Manual of Instructions](#)

## Landscape Materials (Roadside Development)

- [Sec. 204.20 Manual of Instructions](#)

## Landscape Materials

- [Page II-31 Manual of Instructions. 204.20](#)

## Landscape Supply

- Salem District

## Landscaping

- District; [R & B Sec. 244](#)

## Lang Tendons-Anchors

- Retaining wall anchors. Cert & Mill if specified.

## Lashing Wire Clamp

- Visual

## Lashing Wire

- Visual Inspection (Check special provisions)

## Lateral Load Test for 72" Diameter Shaft

- Approved by Structures & Bridge Division

## Latex Modified Hydraulic Cement Concrete

- Assign to District

## Latex Modified Emulsion

- VDOT Asphalt Acceptance Program

## Lawn Fence

- Visual

## LB w/Cover &amp; Gasket

- Cert, Cuts, pre-approved list, [R & B Sec.700 & 238](#)

## Leafgrow (Organic Fertilizer)

- Assign to District Environmental

## Lee Hall-----Warwick

- Suffolk District

## Lenton Couplers

- Monitor on project. Same as splice connector

## Lewisburg, WV

- Staunton District

## Lifting Inserts

- Per approved shop drawings

## Lighting Systems

- [R & B Sec. 705](#)

## Lightweight Aggregate

- [R & B Sec. 206](#)

## Lime for Soil Stabilization

- Shall be quicklime or hydrated lime [R & B Sec. 240](#)

## Lime

- [R & B Sec. 240](#); [Sec. 204.20 p. II-31 of Manual of Instructions](#)

## Lime

- [Sec 207 page II-152 in Manual of Instructions](#) for Modified inspection

## Line Brace Unit

- Ripley, WV- A. W. Williams (Agency)

## Line Brace

- Sample on project

## Liner Plate

- ASTM A569 (New spec. ASTM 1011)

## Link Seal

- Visual

## Linseed Oil

- Test

## Liquid Asphalt (Emulsions AC's, CRS-2,)

- VDOT Asphalt Acceptance Program

## Liquid Asphalt

- VDOT Asphalt Acceptance Program [Sec. 204.05 Manual p. II-14](#)

## Liquid Lime

- Not Approved. Neutralizing capacity is no acceptable (See [SPEL List](#))

## Load Center

- Cert, Cuts, Lists Sec. [R & B 238](#)

## Locator Tape

- Trench Excavation

## Locknuts

- Cert & cuts

## Locust Post

- No treatment, testing or certification.

## Logging Tubes (Crosshole sonic)

- See crosshole sonic tubing

## Long Fence Co. Inc.

- No. Va.





Loop Detector Amplifier

- Cert, Cuts, Pre-approved List [R & B](#) Sec. 703

Loop Detector Lead-In Cable Transient Protector

- Cert, Cuts, Pre-approved Lists [R & B](#) Sec. 703

Loop Detector Sealant from "MSI" Accept on Brand Name. Check with M.M. Division

Loop Detector Sealant

- Sample on project

Loop Sealant Bondo P606V

- Test & approved catalog cuts for approval

Loop Sealant----3M Black 5000

- Pre-approved List # 014 188 02

Loop Sealant---Crafco, Inc.

- Traffic Control List, Code #120 188 01. Test

Loop Sealant--Dynatran Bondo

- Has been Rescinded

Loop Sealant

- If supplier is TESCO----No.Va.

Loop Sealant

- Test. Assign Test Agency or Sample on Project

Louis Grasmick

- A. W. Williams (Agency) (See Timber Lagging)

Louvered Visors (Signal head)

- Cert & catalog Cuts

Lowering Device Assembly

- Cert, approved catalog cuts (Same as Luminaires)

Lubricant (Grease)

- Visual

Lugs (Electrical)

- Cert & Cuts

Lumber Treated

- District or [Approved List](#)

Lumber Untreated

- Visual

Lumber

- Need to know the location of the treatment plant

Lumiline SMA is an epoxy recommended for pavement markers

Luminaire Lowering Device Assembly

- Cert & approved catalog cuts Sect. **705**

Luminaire Retrieval System

- Cert & Catalog Cuts

Lumi-Trak-----Luminaire retrieval system

- Cert & Catalog Cuts

## M

Madison Wood Preservers Inc. Madison, VA List #45 (See MWP Supply)

Magnesium Chloride (Allaying Dust)

- Not acceptable. Too expensive

Magnoloop (Epoxy saw cut)

- Sample on project

Mailbox & Post

- Visual according to manual. Sect. **603.01** in Book of Standards

Maintaining Traffic

- [R & B](#) Sec. **512**

Manganese (Steel Encasement Pipe)

- Per R/W & Utilities if it exceeds allowable limit reject

Manhole covers cast iron

- District or Precast QA program

Manhole Frames with Solid Lids (Neenah Foundry)

- Cert to plans

Manipulation

- [R&B](#) Sec. **306**. P.335

Marine Cell Fenders

- See Arch Fenders

Masonry Cement for Inverts

- Visual

Masonry Plates

- Cert & Mill or SS. Check special provision

Masonry Units, Concrete

- [Sec. 204.22 Manual of Instructions](#)

Masonry Units

- Test. [Page II-34 of Manual of Instructions](#)

## Mastic

- Same as Bitumen. Cert II; [R&B](#) sect. **222**

## Material Sampling

- [Sec. 204 of Manual of Instructions p. II-7](#)

## Matting

- See Coir Fiber Matting (See Sec. **244**)

## Mechanical Anchors

- Expansion Anchors. [Approved List](#) No. **29**

## Mechanical Couplers

- Sample on project

## Mechanical Splice Coupling

- Sample on project

## Megalugs

- Cert. ASTM A536

## Messenger Cable is the same as guy wire

- Sample on project

## Metal Box Culvert w/Toewall

- Cert & Mill [R&B](#) sec. **232.02(d)**

## Metallizing Wire Material

- Zinc Wire; Cert, [R&B](#) Sec. **407.02**

## Meter Base + CT Cabinet

- If Dominion Power "To be approved by Local Utility Co."

## Meter covers

- See "Water meter boxes"

## Micro Silica

- See [Approved list #24](#)

## Midwestern Wholesalers, Norwalk, OH

- A. W. Williams, Inspection Agency

## Mill Analysis

- Page 467 [R&B](#) Sect. **407**

## Mini Piles

- If temporary "Visual Inspection"

## Mira Drain

- [Approved List #37](#)

## Misc. Hardware Items

- Visual

## MMFX-2 Microcomposite Steel

- Used in No. Va. District project.

## Modified Single Seal

- District

## Modify Existing Stringer

- Structural Steel

## Modular Pavers

- Test

## Moore's Ready Mix in Green Bank, WV

- Staunton District

## Morie Sand Co.

- If not local supplier "Sample on Project" (Unimin Corp.)

## Mortar

- Type S to be used in manholes and DI 3 inverts

## Mountain City, TN

- Bristol District

## MSI Detector Loop Sealant

- Accept on Name Brand; Check with M.M. Div.

## MSS-SP80

- OK for BLOW-OFF valve only. Replaces WW-V-54

## Mulch Mat

- If retention mat check [Approved Lists](#)

## Mulch

- Sec. 244 of the [R&B](#) and MOI p. II-31. [Approved List #11](#)

## MUTCD

- Manual of Uniform Traffic Control Devices

MWP Supply assign to Culpeper District. For small orders and not on [Approved List](#)

MWP SUPPLY is not on [Approved List](#) #42.

## N

## Nails and Screws

- Visual

## Nansemond Precast Concrete Co.

- -----Suffolk, VA- [Approved List #34](#)



National Capitol Industries

- No. Va.

National Waterworks is the new name for U. S. Filter; Fredericksburg District

Navigation Lights

- Coast Guard Approval [R&B Sec. 422](#)

Neenah Foundry

- Cert Sec. **224** Neenah, Wisconsin

Neoprene Backer Rods

- Test

Neoprene Pads

- Test. Also see Post Pads.

Neoprene Trough

- Cert ([R&B Sec.212.02](#))

New Post, Va.

- Fredericksburg District

New Valley Fence Co., Weirs Cave, VA

- Staunton District

Nightline B-400 Snow plowable markers

- [Approved List #22](#)

**No. Va.**

- **All plants not on following list "SAMPLE ON PROJECT" or Testing Agency**

No. Va.

- ACF-Chantilly, VA.  
[Approved List #44](#)

No. Va.

- Atlantic Technical Sales

No. Va.

- B & C Utilities (EJ Iron Works)

No. Va.

- Form Services, Inc. Office

No. Va.

- Greenwald Supply. Office

No. Va.

- Kenseal Corp.

No. Va.

- Long Fence Company

No. Va.

- National Capitol Industries Office

No. Va.

- Stephens Pipe & Steel at Bladensburg, MD

No. Va.

- TESCO

No. Va.

- Virginia Contractors Supply

No. Va.

- Wharton Supply, Inc. Office

Non Standard Batten

- See Batten

Non-Rigid Tube/Weeps 6"

- Visual

Non-Shrink Mortar

- Accept on Mfg. cert, Cert to [R&B 218](#). Mix design required

Northstar 41 Snow plowable marker

- [Approved List #22](#)

Nosing System

- See Silspec Polymer Nosing System

Nosing

- Cert & Mill

Novabond

- An emulsion used for tack coat accepted under VAAP

NS Batten

- See Non Standard Batten

Nuclear General Information

- [Manual of Instruction Sec. 105 p. I-2](#)

Nu-Valley Fence Co.

- Staunton District

## O

Oak Ridge Const. at Milboro, VA

- Staunton District

Oak Strut--Structural Timber

- Cert, See spec [R&B 236](#) AASHTO M168

## Oakum-Jute

- Visual. Used with silicone for pipe seal. See [R&B](#) Sec. **302** p.294

## Object Markers

- Cert & Mill [R&B](#) Sec.**247**

## O-Cell Instrumentation

- Accept on Mfg. Cert

## Odin Guardian Anti-Icing System

- Accept on name brand if specified on contract

## Offset Blocks---QA Program

- [Approved List](#) #45

## OGB Stone

- Open Graded Base. Like select material

## OGDL

- Open Graded Drainage Layer (aggregate)

## Ogee Washer

- Visual

## Oil for Asphalt

- VDOT Asphalt Acceptance Program

## Organic Backfill

- See special provisions for Wetland Mitigation

## OSI QB-300

- Adhesive for bearing pads. (See Adhesive for bearing pads)

## Osterberg Cell

- Accept on Mfg. Cert.

## Overhead Sign Structures

- Structural Steel

## Over-height Detector

- Cert & Mill Pile shells, ASTM A193 Bolts & Nuts

## P

## Pac-Tec

- Pavement Marker List #22. Name change from Ray-O-Lite+A1466+A1860

## Paint for Aluminum and Galvanized surfaces

- See [Approved List](#) #47



Paint System F

- Certification. [Approved List #14](#)

Paint System W

- Certification. [Approved List # 40](#)

Paint Systems

- Certification. [Approved List #13](#)

Paint

- [Manual of Instructions Sec. 204.24 p. II-38](#)

Paint

- VDOT Road & Bridge Sec. **231** & Sec. **411**

Panorama of Maryland, Oxon Hill, Md. is Not Approved source

Paper Malting (Soil retention Mat)

- Check [approved List #57](#)

Paraffin Bond Breaker

- Visual

Parapet (Steel)

- Cert & Mill

Patching Type A, B and C

- [R&B](#) Sec. **412**

Pave Prep

- [SPEL List](#) Page 34

Pavement Dotting

- Cert II (Tape. Check Mfg.)

Pavement Marking

- Aexcel; Polyester Paint, Cert II PSI (Agency)

Pavement Marking

- [R&B](#) Sec. **246**

Pavement Marking

- Report C-85. Inventory Tracking

Pawnee, Inc.-----Marietta, OH

- - [Approved List #34](#): Replaced by Coolville, Ohio

Payne & Gunderson-South Atlantic Wood Preservers

- [Approved List #45](#)

Peat Moss

- Visual per Environmental. Div.

Pedestrian Access Gates

- Check plans. Cert & Mill



## Pedestrian Pushbutton

- Cert, Cuts, Pre-approved List; [R&B Sec.703 sec.238](#)

## Pedestrian Traffic Signal Heads

- Cert, Cuts, Pre-approved List; [R&B Sec. 703 & 238](#)

## Pelham N.C. Vulcan Materials

- Lynchburg District

## Pelletized Lime

- [R&B sec. 240](#)

## Penetrating Sealer

- [SPEL List](#) or [Approved List](#)

## People Shelter

- Cert. According to special provisions

## Perma-Liner Point Repair System

- [Approved List # 38](#)

## Permanent-Mold Castings

- See Castings

## Permatile Concrete Products Co.-----Bristol, Va.

- [Approved List #34](#)

## Pesticide

- Check Spec. Provision. To be approved by Environmental Div.

Petrotac is not acceptable for Reflection Cracking Retarding Material

PG 70-22 Binder & Fibers see KOCH Materials

## Piezometer

- See Vibrating Piezometer

## Pile Points

- Visual (ASTM A27 Gr.65-35)

## Pile, Peeled Oak Wood

- Visual

## Piling

- Cert & Mill [R&B sec. 228](#) & [sec. 204.25 of Manual of Instructions](#)

## Pilot Vehicle

- Visual Inspection See [R&B Sec. 512](#) page 612

## Pin Replacement

- Structural Steel, SS

**PIPE**

See below. **R&B Sec. 232: [Manual of Instructions Sec. 204.26](#)**

## Asbestos Cement Pipe

- Certification

## AWWA C900

- PVC Water pipe 4"-12". Cert. & Cuts

## AWWA C906

- PE pipe 4"-63" Water

## Bridge Deck Drains (Pipe)

- [R & B Sec. 232](#) p. 225

## Cast Iron Pipe

- Certification--[R & B Sec. 232.02\(b\)1](#)

## CD &amp; UD Pipe

- Test. District of Manufacturer or Supplier

## CISPI 301

- Cast-Iron Soil Pipe and Fittings

## Concrete Pipe

- VDOT Pipe Q.A. Program. [Approved List #26](#)

## Contech Construction. Products

- Metal Pipe [Approved List #25](#)

## Corrugated Metal Pipe

- VDOT CM Pipe Acceptance Program [Approved List #25](#)

## Corrugated Steel Pipe Arch

- VDOT CM pipe QA Program

## Crumpler Plastic Pipe in Roseboro, N.C.

- [Approved List # 42](#)

## Curtis Contracting

- [Approved List #42](#) (P. E. Pipe)

## Cyprus Lumber Pipe Spacers

- Visual

## Deck Drains-----Metal Pipe

- Sample on project

## Directional Bore Pipe

- Certification. Cert must show reference to sec. 232

**Dresser Pipe Joint**

- Catalog Cuts and Visual Inspection

**Drilled Pipe Piles**

- Cert & Mill

**End Seals for Pipe**

- Visual Inspection

**Foltz Concrete Pipe Co.-----Winston-Salem, NC**

- CP [Approved List #26](#)

**Galvanized Pipe Post/Rail**

- -Cert & Mill

**Handrail Steel Pipe**

- If elongation is over 18% accept

**Independent Concrete Pipe Co.-----London, KY**

- [Approved List #26](#)

**Insulation (Pipe)**

- Visual

**Jacked Pipe 6"**

- Visual

**Knox Concrete Pipe--Knoxville, TN**

- [Approved List #26](#)

**Lane Enterprises**

- Is a manufacturer of HDPE Pipe

**Leak Detector for Steel Encasement Pipe**

- Cert

**Metal Pipe**

- Check application. Sample on project

**Monsey Products--Pipe Joint Compound**

- [SPEL List](#)

**Municipal Sewer & Water pipe**

- Cert. [Manual of Instructions p. II-47](#)

**Non-Rigid pipe for Weepholes**

- Visual

**NS Pipe Boot**

- See Non Standard Pipe Boot

**Permatile Concrete Pipe Co.-----Bristol, Va.**

- [Approved List #26](#)

**Pipe Expansion Joint DRESSER**

- Catalog Cuts and Visual Inspection

**Pipe for Municipal waterlines, page II-47**

- Certification only

**Pipe Gaskets and Coatings**

- [Approved List #14](#)

**Pipe Hangers**

- Cert to the plans if applicable. A mill is to be included

**Pipe Jacking Grout**

- District (probably concrete)

**Pipe Joint Compound-----Monsey Products**

- [SPEL List](#)

**Pipe Mastic**

- [Approved List #14](#). Test

**Pipe Rehab**

- Special Provision. If method approved assign pipe accordingly

**Pipe Rollers**

- Catalog Cuts and Visual

**Pipe Slotted Drain**

- Check [SPEL List](#) p. 27

**Pipe Wrap**

- Filter Fabric is not acceptable. Check with R/W & Utilities.

**Polybutylene Pipe**

- Test

**Polyethylene Drainage pipe 18" and smaller**

- Test; Over 18" Cert

**Polyethylene Waterline 24" and smaller**

- Test. Over 24" Cert

PVC Pipe ASTM F697 can be used in lieu of ASTM F794

PVC Pipe for [R&B](#) Sec. 302 Drainage structures shall be tested.

**PVC Pipe**

- Cert. For Drains Test

**PVC Pipe**

- If not water line still Cert to [R&B](#) Sec. 232 for sec. 520

PVC Storm drains shall conform to AASHTO M304 or ASTM F949

- Test

**PVC Water & Sewer Line**

- Cert. Man. of Instructions. p. II-46

**Settlement Plates Pipe**

- Cert & Mill A-120 & A53 Sec. 303.10

**Steel Bands for Jacked Pipe**

- Visual

**Steel Bevels (Miscellaneous Steel)**

- Cert & Mill

**Steel Casing for Jacked Pipe**

- Visual

**Steel Pipe Downspout**

- Cert & Mill Sec. **520** & sec. **232**

**Steel Pipe for Cross Hole Sonic Logging**

- Cert & Mill

**Steel Pipe for Handrail**

- If elongation is above 18% accept

**Steel Pipe Sleeve**

- Cert & Mill

**Steel pipe**

- Check application and specify

**Water & Sewer pipe**

- Cert. [Sec. 204.26 Manual of Instructions p. II-47](#)

**Weep Hole pipe to form drain holes**

- Visual

**Plastic Board Insulation**

- Cert to Special provisions

**Plastic Bushing**

- Cert, cuts [R&B Spec 700 & 238](#)

**Plastic Centralizers**

- Visual Inspection

**Plastic Dowel Caps**

- Visual

**Plastic Dowel Sleeves**

- Visual

**Plastic Guardrail Offset Blocks**

- [R&B](#) Sec **221.02**

**Plasticized PVC Film**

- District. To be approved by M. M. Div. Used in No. Va.

**Plate Washers**

- Visual. Prestressed Concrete Beams

**Plowable Marker by 3M see Snow plowable raised pavement marker****Plywood**

- Cert.

**Pneumatic Mortar Cement**

- Test

**Pneumatic Mortar Sand**

- Test

**Pneumatically applied mortar (Shotcrete)**

- [Approved List #33](#)

**POLES**

- **See below**

**Aluminum Poles**

- Cert, Approved Catalog Cuts & Mill; Sec. 229 [R&B](#); Sec. 204,28 p. II-50 of Man.

**Light Poles from Union Metal are allowed to use ASTM A576 material****Lighting Poles LP-3 & LP-4-**

- Structural Steel, 80' - 120' Poles

**Pedestal Poles where there is no welding done waive requirement for C.E.****Poles and Posts**

- [Sec. 204.28 Manual of Instructions](#)

**Traffic Signal Poles**

- Structural Steel or Cert, Approved Catalog Cuts, Mill Analysis Sec.700

**Pedestal Pole Collars**

- VDOT has no specification for pedestal pole collars

**Pole Line Hardware**

- Accept on Brand Name; [p. II-120 Manual of Instruction](#)

**Poly Fiber in Asphalt Curb.**

- [Approved List #35](#)

**Polycarb Epoxy Pavement marking Type CB CL.III**

- Cert I PSI (Agency)

## Polydrain

- Check [SPEL List](#)

## Polyethylene

- Test

## Polyguard NW75

- Cert, waterproofing fabric [R&B Sect 213](#)

## Polymer Asphalt Material E-3M

- VDOT Asphalt Acceptance Program

## Polymer Backing Rods

- Sample on project

## Polymer Nosing System

- See Silspec 900 Polymer Nosing System

## Polymer Rebars

- See Glass fiber reinforced

## Poly-Strand

- Cert

## Polystyrene Expansion Material

- Test

**POSTS**

- [See below](#)

## Locator Post (for RM-2)

- Visual Inspection

## Mowline Post

- Cert & Mill

## Sign Post

- Cert & Mill [R&B Spec.700 Sec.226](#)

## Sign Post Backfill

- A3 Concrete

## Sign Post Steel (Wall Mounted)

- Structural Steel

## Sign Post Stub

- Cert & Mill [R&B Sec.700 & 226](#)

## Post Pads for Pedestrian Fence

- Sample on Project

## Post Pads

- Test



Post Rite (Corrosion Inhibitor)

- Accept on Brand Name

Post Tensioning Bar--Dywdag System

- Certification

Post Tensioning Strand and Chucks

- Visual

Potters Industries

- Glass Bead producer on VDOT Acceptance Program

Pozzolans (Silica Fume)

- [Approved List #24](#)

Preboring Piles

- Visual

Precast Concrete Coping (for retaining walls)

- Cert (Decorative top)

Preemptor Railroad

- Cert & Cuts

Prefabricated Vertical Drain

- Is a Wick drain [Approved List # 39](#)

Preformed Inductive Loop Detector

- Cert & Approved Catalog Cuts. [R&B Sec. 703](#)

Preformed Tape

- [Approved List #17](#)

Preformed Tape--Flint Trading

- [Approved List](#) (Check Special Provisions)

Premark

- See Rumble Strip Preformed Thermoplastic

Preservatives Timber

- [R&B Sec. 204.29](#) II-51 of [Manual of Instructions](#)

Prestressed Concrete Box Beam

- Test, Chucks-Cert; Cable-Cert

Prestressed Concrete Slab

- Not on QA/QC Program. Assign to Distr. of Mfg.

Prestressed Concrete

- [R&B Sec. 405](#)

Prestressing Tendons

- Cert; [204.32 Manual of Instructions](#); [R&B Sec. 223.02\(b\)](#)



## Prime Coat

- [R&B Sec. 311 Sec. 204.35 of Manual of Instructions](#)

## Prime MC-70

- Liquid Asphalt

## Primer 1250 for Silicone Joint Sealant

- Cert with the silicone joint sealant

## Primer for Structural Steel in VA is Inorganic Zinc

## Professional Products 5% Silicone Sealant

- See Silicone treatment

## Propoxy

- [Approved List # 29](#)

## Protection board

- Cert to special provisions. Test waterproofing

## Protection Saddles

- Catalog Cuts and Visual

## Protective Coating of Metal in Structures

- [R&B Sec. 411 Sec. 204.24 annual of Instructions](#)

## Protective Covering EC-2

- Check [Approved List #56](#)

## PRV Vault-----Pressure Reducing Valve Vault

## Public Drainage Supply---Blountville, TN

- [Approved List #25](#)

## Puddledock Quarry

- Richmond District

## Pull Rope

- Visual Inspection

## Pulling Compound

- Approved Catalog Cuts. For conductor cable. Sect. **700**

## Pulverized Limestone

- [R&B Sec. 240 p.246](#)

## PVC Acid Resistant Liner

- Visual Inspection

## PVC Cement

- Visual

## PVC Solvent Cement

- Visual (Check Pre-approved List)

## PVC Standoffs (Spacers)

- Visual

## Q

## QB-300 Adhesive

- For pads for sound wall.(See Adhesive for Pads)

## Quick lime

- For stabilization shall conform to AASHTO M216. Sec. **240** [R&B](#) p. 246

## Quick punch Sign Post

- [SPEL List](#)

## Quikrete

- On [SPEL List](#) for slope protection

## R

## R &amp; R Fence Co. Fairfield, VA

- Staunton District

## R/W Monument RM-2

- Visual. [Sec. 204.23 p. II-37 of Manual of Instructions](#)

## Railing Kansas Corral

- Check type of material and assign accordingly

## Railing Texas T-6

- Treat as Guard Rail

## Railing

- District or Cert  
& Mill

## Railings &amp; Parapets

- [R&B](#) Sec. **410**. Aluminum shall conform to [R&B](#) Sec. **229**

## Railroad Ties and Timbers

- N & W Approval & Visual

## Rapid Set Cement

- Not approved. Rapid set with 3/8" aggregate is on [Approved List](#)

## Recessed Pavement Markers

- [Approved List](#) #22

## Recoat Exist Structure

- Use original primer not touch up primer

## Reconstruct Existing Sanitary Manhole

- District of Mfg.

## Rectifier

- Cert & Cuts; Review by the consultants or Research Council

## Recyclable Abrasives

- Manufacturer's Certification 411.02©2

## Recycled Plastic Guard Rail Offset Blocks

- Approved for use by New Products Committee

## Red Line Speed Crete from Tamms Ind.

- Not approved

## Reflective Materials

- [Sec. 204.30 Manual of Instructions](#)

Reflective Sheeting Engineer Grade is not acceptable for sign panels

## Reflective Sheeting

- Cert. Conforming to Sec. 247 of [R&B](#)

## Regal Rock, Inc. at Princeton, W. Va.

- Bristol District

## Reinforcing. Steel

- Accept on Mfg. Cert. and monitor on project

## Reinforcing Steel

- Monitor samples should be taken if 5,000 lbs or more in structure

## Reinforcing Steel

- [R&B Sec.406 & 233](#)

## Reinforced Earth Walls (Retaining Structure)-----See Stan Hite

## Relocate Existing Sign Panel

- Cert & Mill [R&B Sec. 701](#)

## Removable Blackout Tape--3M

- Cert II

## Removal of Non-friable Asbestos

- To be monitored by Environmental Div.

## Remove Existing Guard Rail

- [Approved List #12](#) & Visual

## Remove Existing Signal Equipment

- Assign to District

## Remove-Dispose Sign Structure

- Assign to District

## ResCon 424

- Approved for List #31 for Very Rapid Patching

## Resco

- Salem District

## Restraining Gland

- Cert [R&B](#) Sec. 520 & sec 232

## Retaining Wall anchors may be Lang Tendons

- Cert & mill

## Retaining Wall (MSE Wall)-Mechanically Stabilized Earth Wall (See MSE Wall)

## Retaining Wall

- District; [R&B](#) Sec. 506

## Retention Disk

- Cert to Special Provisions

## Right-of-Way Monuments

- [Manual of Instructions Sec. 204.23](#)

## Rigid Service Head

- Cert & Cuts

## Rip rap in bags

- See sec 414 of the [R&B](#) p. 548 and Quikrete

## Ripley, WV

- A. V. Williams, Inspection Agency

## Road Edge Delineators, Stimsonite 965

- Sample on project

## Road Edge Delineators

- [Approved List](#) #23

## Roadside Development

- [R&B](#) Sec. 601

## Rockbridge Construction Materials

- Staunton District

## Rockingham Precast

- Harrisonburg, VA -[Approved List](#) #34

## Rocky Top Wood Preservers

- Salem District

## Root Control Barrier

- Cert to plans

## Rose Bros. Paving Co.

- Hampton Roads District

## Ross Prestressed--Bristol, TN

- [Approved List #34](#)

## Ross Prestressed Concrete

- Bristol TN Bristol District

## Ross Prestressed Concrete, Inc. at Knoxville, TN

- Bristol District

## Rotondo Precast-- Fredericksburg, VA

- [Approved List #34](#)

## Royal Plant Vulcan Materials

- Richmond District

## Royston Handy Caps

- Accept by the county or the plans

## Rubber Insulating Boots

- Visual Inspection

## Rubber Tips for Dowels

- Visual

## S

## S. S. Reglet (PVC Molding)

- Cert to Spec. Provision

## S.I.P Form Installation

- Operation assign to District

## Saddle Racks (Cable racks)

- Visual (See plans)

## Safety Fence

- Visual

## Safety Switch for Electrical Service

- Cert, Catalog cuts, Pre-approved List

## Salem Concrete Products--Salem, VA

- [Approved List #34](#)

## Sample Tap

- Cert to the plans with a detailed description

## Sampling in the Field

- [Sec. 201 of Manual of Instructions](#)

## Sampling Material

- [Sec. 204 of Manual of Instructions. p. II-7](#)

## Sand Castings

- See Castings

## Sand-- Morie Company

- Sample on project

## Sandblast Sand

- Check [Approved list #18](#) or need more data

## Sanitary Sewer System

- Need Breakdown of items

## Sash Cord (tether wire)

- Sample on project

## Saw Cut

- Sample on Project

## Screws &amp; Nails

- Visual

## Scuppers

- Cert. ASTM A588

## Seacoast Construction Fabrics Inc.

- Suffolk District

## Seal Coat

- [R&B Sec. 312](#) [Sec. 204 of Manual of Instructions](#)

## Sealing Bushing

- See plastic bushing

## Sediment Log

- [Approved Lists #58, 59](#)

## Seepage Control Liner

- Cert. (Accept on Mfg. Specifications)

## Seepage Control Liner

- See GETCO Geosynthetic Clay Liners

## Seismic Rubber

- R. W. HUNT-Inspection Agency

## Select Material

- [R&B](#) Sec. **207**

## Senate Asphalt in Washington, DC

- No. Va. District

## Service Entrance Equipment

- [R&B](#) Sec. **705**

## Service Entrance Head, Rigid

- Cert & Cut, Pre-approved List

## Set-45

- Check [Approved List](#) #**31**

## Settlement Plates

- Visual Inspection; [R&B](#) Sec. **303**

## Shear Studs

- Check [Approved list](#) #**15** in [Manual of Instructions](#)

## Sheet Pile Head Dolphin

- Cert & Mill. ASTM A690

## Sheet Piles

- [R&B](#) Sec. **402**

## Shelton, NC

- Lynchburg District

## Shield Plate Studs

- Cert & Mill

## Shim Packs

- Visual

## Shim Plates

- Cert & Mill or check SS

## Shim Strips

- Visual Inspection

## Shims for soundwall

- Visual

## Ship Cleat

- Cert & Mill (Check Spec. Provision)

## Shotcrete (Silica)

- Must be undensified

## Shotcrete

- Conform to [R&B](#) section **412.03(f)1**

## Shotcrete-Gunite Mixtures

- See [Approved List #33](#)

## Seismic Pads (Earthquake Pads)

- Cert & Mill

## Sign Blanks

- Visual Inspection. [Page II-14 of the Manual of Instructions](#)

## Sign Bracket

- Cert & Mill

## Sign, Construction (Temporary)

- Visual Inspection [R&B](#) Sect. **512**

## Sign Hangers

- Cert & Cuts, Pre-approved Lists

## Sign Island

- District

## Sign Luminaries

- [R&B](#) Spec.**705** Misc. Components-- Sec.**238**

## Sign Panels

- Cert & Mill Analysis, Sec.**701**, Min. thick. .100

## Sign Post Wood

- Check Mfg. If Guard Rail treat accordingly

## Sign Post Wood

- Treated Post to be inspected at point of treatment

## Signalization, Temporary

- See Temporary signalization

## Sika Pronto 19 TF (Tack Free)

- Not approved. Different from Sika Pronto 19

## SikaCem 103

- Shotcrete Class A. [Approved List #33](#)

## Sikadur 35, Hi-Mod LV

- [Approved List #28](#)

## Sikadur 55, SLV

- [Approved List #28](#)

## Sikatop 123 Plus

- [Approved List #31](#)

## Silica Fume

- Check [Approved list #24](#)



## Silicone Caulk for High Strength Structural Steel

- Accept on mfg. cert. Sec **407**

## Silicone SCC-1001

- Visual when used with oakum for pipe seal

## Silicone treatment

- Sec. **404.04(1) 3** is tested by chemistry lab. Test.

## Silt Bags

- Check [Approved List # 60](#) (See Dirt Bags)

## Silt Dikes

- See Triangular Silt Dikes [Approved List #58](#)

## Siltation &amp; Erosion Control

- [R&B](#) Sec. **303**

## Silty Lady

- Suffolk District

## Simcala Inc.

- To be used in Shotcrete OK. Must be undensified.

## Slab Bolsters

- Visual Inspection

## Slag

- See [Approved List #24](#)

## Slope Inclinometer

- Accept according to special provisions

## Sluice Gate &amp; Floor Stand

- Cert

## Small signs

- Visual Inspection

## Smith Setzer &amp; Sons, Inc.--Catawba, NC

- [Approved List #25](#)

## Smith-Carolina Corp. Reidsville, NC-

- Lynchburg District [Approved List #34](#)

## Smith-Midland Midland, VA-Culpeper

- [Approved List #34](#)

## Smith-Setzer &amp; Sons, Inc.--Stoney Creek. VA

- [Approved List #26](#)

## Snow Fence

- Tested- [Manual of Instructions page II-27](#)

Snow plowable markers Nightline B-400

- [Approved List #22](#)

Sod

- Assign to District. To be reviewed by Environmental Division

Sod

- [R&B](#) Sec. 244 and p. 261

Soil Cement

- Annual cert. Type II Cement only

Soil Nail Wall (Rebar, nuts, plates, corrosion protection)

- Cert & Mill

Soil Retention Mat

- Check [approved List #57](#)

Soil Stabilization Mat

- Check [Approved List #57](#)

Soils and Granular material

[Manual of Instructions Sec. 204.31 page II-56 of Manual](#)

Solar Panels

- Cert to Special provisions

Soldier Piles

- Cert & Mill Analysis [R&B](#) Sec. 403 & Sec.229

Sole Plates

- Cert & Mill. [R&B](#) Sec. 226

Solite Corp.

- Two (2) Locations, Lynchburg and Chesapeake

Sound Barrier Walls

- [R&B](#) Sec. 519 Bolts A307 or A325

Soundwall columns under QA/QC Program

- See Century Concrete

Soundwall Joint Sealant

- Visual

South Atlantic Wood Treating, Elizabeth City, NC

- [Approved List #45](#)

Southeastern Wire (Fence)

- Richmond District

Southern Lumber & Treatment Co.

- A. W. Williams; Agency

Southern States in Hillsville Va.

- Fence-----Salem District

Spacers

- Visual

Span Wire

- Test. Sample on Project

Spare and Support Equipment

- To be reviewed and approved by M.M. Div.

Spiral Reinforcing (Reinforcing Steel)

- Test

Splice Connector

- Sampled & Tested, [R&B](#) Sec. **406.04E**; Check [SPEL List](#)

Splice kits for electrical items

- Cert, cuts, pre-approved list [R&B](#) p.245

Split Bolt Connector

- Cert & Cuts

Stabilization Fabric

- Cert & Sample [R&B](#) Sec. **245** (Check Special Provisions)

Stain

- Can be certified. [R & B](#) Sec. **519**; p.664

Stain

- District or Sample on project

Stainless Steel Bandit & Buckles

- Cert & Mill Sec. **238**

Stainless Steel Bolts

- Cert & Mill Sec. **226**

Stainless Steel Clad Reinforcing Steel

- Check Special Provisions

Stainless Steel Cover Plates

- Cert

Stainless Steel Junction Boxes

- Cert

Staples for Hardware

- Visual

## Steel

- [Sec. 204.32 Manual of Instructions: page II-56](#)

## Steel Edging (Concrete Forms)

- Visual

## Steel Expansion Joint

- Structural Steel

## Steel Grid Flooring

- Cert & Mill Sec. 227

## Steel Piles

- Cert & Mill Analysis [R&B Sec.403](#)

## Steel Piles

- [R&B Sec. 228: Sec. 204.25 p. II-38 of Manual](#)

Steel Piling elongation % see elongation %.

## Steel Plate for O-Cell Test on Technique Shafts

- Cert & Mill

## Steel Reinforcement

- [R&B Sec. 223](#)

## Steel Sheet Piles

- ASTM A690 for use around Salt Water is acceptable (SS)

## Steel Sheet Piles

- Cert & Mill [R&B Sec. 403](#)

## Steel Sheet Piles

- If temporary and belongs to contractor "Visual"

## Steel Sheet Piles

- If temporary and belongs to the state "Cert & Mill"

Steel Sign Post elongation see Elongation %.

Steel Straps ([R&B sec. 302](#))

- Cert & Mill

## Steel Structures

- [R&B Sec. 407](#)

## Steel Truss Bridge

- See Truss Bridge

## Stiffening Angles

- Cert & Mill if not Structural Steel

## Stone Ballast

- Crushed Stone, Check special provisions

## Stone Veneer

- Visual Inspection

## Stonewall Precast, Inc.--Woodstock, Va.

- [Approved List #34](#)

## Storm Drains (PVC)

- Shall conform to AASHTO M304 or ASTM F949. Test

## Strandlink Splices

- Cert & Catalog Cuts

## Stranvise

- Cert & Cuts

## Straps---See Hole straps

- Cert & cuts

## Straw

- Visual

## Stringer

- Structures

## Structural Materials, Inc. (Bearing pads)

- N. C. DOT

## Structural Plate Arch

- Cert & Mill [R&B](#) Sec. **232.02d**

## Structural Rods

- District approval

## Structural Steel H. S. Beams

- Structural Steel

## Structural Steel Junction Box JB-1

- Test. Test Re-bar in junction box

Structural Steel Paint primer must be Inorganic Zinc in Virginia

## Structural Steel Paint

- Chemistry Lab (Cert [R&B](#) Sec. **411**)

## Structural Steel Shear Studs

- Check [Approved list #15](#)

## Structural Steel

- 1. Sampling & Testing 2. Mill Analysis 3. Shop Inspection

## Structural Steel for wooden Bridges

- Structural Steel



Stud Shear Connectors

- [Approved List #15](#)

Stud Shear Connectors

- [R&B Sec. 407](#) page 475 of [R&B. Approved List #15](#)

Styrofoam

- Visual

Sub-Ballast

- Crushed Stone, Check special provisions

Submarine Cable

- Cert

Suit-Kote at Cortland, New York

- Robert W. Hunt Co. (Agency)

Suit-Kote Corporation EXP-90

- VDOT Asphalt Acceptance Program

Superior Railing

- Richmond District

Super-Krete and Super-Crete

- Polymer Concrete Overlay Materials

Support and Spare Equipment

- To be reviewed and approved by M.M. Division

Support Chairs

- Visual

Surepoxy HM

- To be sampled and tested when it is to be used

Surepoxy HMLV

- [Approved List #28](#)

Surface Retarder--Control Set/Roanoke Cement Co.

- Visual

Swedge Anchor Bolts

- Test

Swift Lift Hardware

- Cert

Synthetic Fibers

- Need brand name

Synthetic Industries at Dalton Georgia

- Pennoni Associates, Inc. (Agency)

## Syro Modular Glare Screens

- [SPEL List](#) p.43

## System F Paint

- [Approved List](#) #21. Mfg. must certify to [R&B](#) sec. 411

## System W Paint

- [Approved List](#) #40. Mfg. must certify to Sec. 411

## T

## Tack Coat

- [R&B](#) Sec. 310; [Sec 240 of Manual of Instructions](#)

## Tack (Liquid asphalt)

- VDOT Asphalt Acceptance Program

## Tamms Express Repair

- [Approved List](#) # 31; Very Rapid Set Patch Material

## Tamms Industries

- Tamms Express Repair; Very Rapid Set List # 31

## Tape List

- Cert II; [Approved List](#) #17

Tapping Sleeves ASTM A563 Gr.65-45-12 may be substituted for with AWWA C110

## Taylor-Ramsey, Blackstone, VA

- [Approved List](#) # 45

## Tec Screws

- See Flashing Tec Screws

## Temporary Items

- Visual Inspection

## Temporary Construction Fence

- Visual

## Temporary Diversion Channel Lining CL. A

- District

## Temporary Form Support

- Visual

## Temporary Markers

- [Approved List](#) #22

## Temporary Pavement Markers 1 Way

- [Approved List](#) #22

Temporary Signalization

- Visual Inspection by M.M. Division

Temporary Support System

- Check with Structural Steel. May be Visual if no Fabricator

Temporary Truss Support

- Structural Steel

Terminal Bars

- Cert, Cuts

Test Bore

- To be approved by engineer. Check Special Provisions

Test Station

- Assign to district. To be approved if possible by the local authority

Tether Wire Clamp

- Visual

Tether Wire

- Sample on project

TGP Rounds A-108 (Trued, Ground, Polished)

- Cert & Mill

Thermite Weld

- Accept according to plans

Thermo Blanket (Concrete)

- Visual

Thimble eye bolts

- Cert & Cuts

Threaded Inserts

- Visual Prestressed Concrete Beams

Threaded Rods

- See Galvanized threaded rods. (Cert & Mill)

Tidewater Quarries at Springfield plant

- Richmond District

Tidewater Tunnel Facilities

- To be reviewed by Tidewater Tunnel Facilities

Tie Back Wall

- Cert & Mill A36 Steel

Tie Bars or Rods

- Test



## Tie Bars (same as dowels)

- Accept on Cert and monitor on Project

## Tie Rods (For prestressed concrete)

- Visual

## Tieback Anchors

- Cert. To special provisions.

## Tieback Tendons

- Accept on Mfg. cert & monitor on project

## Timber and Lumber, Structural

- [Sec. 204.33 Manual of Instructions](#)

## Timber Lagging---Louis J. Grasmick Lumber

- A. W. Williams (Agency)

## Timber Structures

- [R&B Sec. 418](#)

## Timbrex

- See Trex

## Tipco

- A. W. Williams (Agency)

## TMS

- Traffic Management System

Toggle Bolt Assembly TB1--1/2" Min. 9,000 lbs Tensile

Toggle Bolt Assembly TB2--5/16" Min. 1000 lbs Tensile

## Tooth Expansion Dam/Joint

- Structural Steel will assign testing

## Top Soil (Class B)

- District Environmental. Div.

## Tracer Wire

- Visual Inspection

## Traffic Barrier Delineator

- Sample on project if not on list

## Traffic Barrier Service Concrete (Used)

- Visual Inspection

## Traffic Barrier Service Concrete

- [Approved List #34](#), Precast

Traffic Paint not to be used for blackout paint.

## Traffic Signal Heads

- Cert, App. cat cut, Pre-app List; [R&B Sec.703 & 238](#)

## Traffic Signals

- [R&B Sec. 703](#)

## Traffic Signs

- [R&B Sec. 701](#); [P. II-50 Manual of Instructions](#)

## Transverse Bar Assemblies

- To be reviewed and approved by district

## Trash Rack &amp; Orifice Plate

- Cert & Mill

## Trash receptacle

- Visual

## Treated Lumber Outlet

- Suffolk District

## Treated Lumber

- [Approved List #45](#). District or Test (Agency)

## Treated Lumber

- [Manual of Instructions sec. 204.29](#)

## Treated Timber Piles

- Test, District if not on [Approved List #45](#)

## Treated Wood Offset Blocks

- [Approved List #45](#)

## Tree Tube

- Visual

## Trellis

- Cert Special provisions

## Trench Drain

- Check Special provisions. Accept if name brand.

## Trench Drain

- Check [SPEL List](#)

## Trench Excavation

- Visual

## Trex

- Guard Rail Block See [SPEL List](#) (Formerly Timbrex)

## Triangular Silt Dike

- [Approved List #48](#); Not OK in Lieu of Type I Check Dams

## Triangular Silt Dike

- [Approved List #48](#); OK in Lieu of Type II Check Dams

## Tri-City Concrete at Kingsport Tenn.

- Bristol District

## Truck Mounted Crash Cushion

- Visual. Check for Special Provision if ATTD.

## Truss Bridge

- Structural Steel. See Temporary Truss Bridge

## Tunnel Liner

- Cert & Mill ASTM A569 Accept

## Tunnel Utility Room &amp; Vent Bldg. Doors

- Cert

## Turbidity Curtain

- Accept on Mfg. Cert and Visual

## Turf Fiber (Mulch)

- Visual

## Type A Crack Sealant/Filler

- Test. Check Consultants List and assign. Check [Approved List](#)

Type A Paint not to be used for Blackout paint. See traffic paint

## Type A Pavement Line Marking 4"

- Cert I and Testing agency

## Type A, B and C Patching

- [R&B](#) Sec. 412

## Type B CL.II (Baltimore Paint)

- Cert I Md. DOT

## Type B Class 1 Pavement Line Marking 4"

- Cert I, Insp. Agency

## Type B Crack Sealant/Filler

- Test. Check Consultants List and assign. Check [Approved List](#)

## Type B patching

- [SPEL List](#) or District

## Type E removable Tape (3M)

- Cert II

Type F Class II Construction Pavement Marking (Sherwin Williams)

- Cert I MDOT

Type K Cement for Latex Modified Cement Concrete

- Certification w/ CT # required.

Type S Mortar to be used in manholes & DI 3 inverts

## U

U. S. Foundry at Medley Florida

- Cert. [Approved List #61](#)

UD Marker & UD Post

- Visual

Ultraliner

- Check [Approved List #38](#)

Underdrain (PVC)

- Test

Underdrains

- [R&B](#) Sec. **501**

Underground Cable Rack and Supports

- [Approved list](#) if Pole Line Hardware

Unimin Corp. (Formerly Morie Sand)

- Sample on project

Un-Treated Lumber

- Visual

## V

Valve Boxes

- [R&B](#) Sect. **224** Castings

VCS (Virginia Contractors Supply)

- No. Va.

Veneer

- See Stone Veneer

Vertical Drain

- See Prefabricated Vertical Drain. [Approved List #39](#)

Visibility Sensor

- Check with Structural Steel. May assign Inspection agency

Volclay Voltex Bentonite Geotextile Waterproofing System

- Accept on Mfg. Cert

VOLCLAY Waterstop-RX

- If approved for application, Accept on Mfg. Cert

Vulcan Foundry

- Purchased by East Jordon Iron Works. Certification

Vulcan Materials at Pelham N.C.

- Lynchburg District

Vulcan Materials at Royal

- Richmond District

Vulcan Materials at Sanders Quarry

- Warrenton, Culpeper District

Vulkem 116

- Silicone caulk. Accept on mfg. Cert

## W

W. R. Meadows

- Sample at local supplier or sample on project if possible

W. W. Boxley Co. at Lewisburg, WV

- Staunton District

Warning Lights

- Visual

Warsaw Wood in Warsaw VA

- Not Approved

Warwick

- Richmond District

Washers for Hardware

- Visual

Water Containers (cellulose) for tree or plant

- Visual

Water Meter Box

- If conforms to ASTM A48 Class 25 is OK

Water Service Line 3/4"

- VDOT [R&B](#) Sec. 520 & conforms to Sec. 232; Cert

Water Works and Hughes Supply have merged. (See Hughes Supply)

Water

- Assign to district with comments if applicable

Watergates

- Visual

Waterproof Paper

- Tested P.II-23 [Manual of Instructions Sec. 204.13](#)

Waterproofing Bituthene

- Certification

Waterproofing Strips

- Accept on Mfg. Cert.

Waterproofing

- Cert. [R&B](#) Sec. 213. Check Special Provisions

Waterproofing

- Cotton fabric, tested item

Waterproofing

- Primer, tested item

Waterproofing

- [R&B](#) Sec. 416: [Sec. 204.35 p. II-64 Manual of Instructions](#)

Water

- [Sec.204.34 Manual of Instructions](#)

Watson-Bowman & Acme Corp. at Amherst, New York

- NDT Group (Agency)

Weather Heads

- Cert & Catalog Cuts

Webster & Webster, Verona, Va.

- Staunton District

Webtec in Charlotte, N.C.

- Alamance (Agency) Sample at local supplier

Wedges

- Cert, Prestressed Concrete Box Beams

Weir Wall

- District of Manufacturer. Test

Welded Wire Mesh

- Accept on Mfg. Cert. and Monitor on Project

Welding Rods



- [Approved List #9](#)

Wharton Supply, Inc.

- No. Va.

Wheel Stop

- Check plans or special provisions

White Oak Equip. Inc.

- Suffolk District

Wick Drains

- Check [Approved List #39](#). Check Special Provisions

Wide Flange Beam

- Structural Steel

Winchester Building Supply Co., Winchester, VA

- [Approved List #34](#)

Wind Tougnes

- Structural Steel (Inspection Agency)

Wire Pulling Compound

- Approved catalog cuts. For conductor cable Sect. **700**

Wire Rope and Wire Strand

- [Sec. 204.36 Manual of Instructions](#)

Wire Rope

- Sample on project. ASTM 586

Wire Staples

- Visual

Wire Strand and Assembly

- Visual

Wire Strand (Zinc coated)

- Sample on project

Wire Ties

- Visual

Wireway bracket

- Cert, cuts [R&B](#) sect. **705**

Wireway Nema 3R 4"x4"

- Cert, cuts [R&B](#) Sect. **705**

Wood (Timber) Structures

- [R&B](#) Sec. **418**

## Wood Lagging

- Check plans. If temporary, Visual inspection

## Wood Pole for AE-7 Elect. Service

- [Approved List #45](#) or District

## Wood Preservers Inc. Warsaw, VA

- [Approved List #45](#)

## Wood Preservers

- [Approved List #45](#) Fredericksburg Dist.

## Wood Products

- [R&B Sec. 236](#)

## Wood Stakes

- Visual

## Wood Treated

- [Approved List #45](#); District or Test Agency if out of state

## Wood Treated

- Need to know location of treatment plant

## Wood Untreated

- Visual

## Wooden Bridges (Structural Steel)

- See Structural Steel

## Wooden Structures see Glulam Products

## Wraps

- See Column wraps, Geocomposite wraps, Fiber reinforced wraps

## WW-V-54 is replaced by MSS-SP80 for Blow-off valves

## Wyoming Concrete Inc

- [Approved List #34](#)

## X

## Xymax (Graffiti Paint)

- Not Approved. Must come from [Approved List #30](#)

## Y

## Yard Hydrant

- See [Manual of Instructions 207.03\(a\)](#) Catalog cuts & Visual



## Z

### Zig Zag 25mm

- Visual Inspection. Same as high chairs (See [SPEL List](#))

### Zinc (Coatings)

- [R&B spec. 231](#); [Approved List #13](#)

### Zinc Wire

- Certification\* CT # required. Metallizing Wire Material [R&B Sec. 407.02](#)

### Zinc

- Visual [R&B Sec. 418](#); Zinc sheet for Pile Cap