

OREGON DEPARTMENT OF TRANSPORTATION
CONSTRUCTION SECTION

QUALIFIED PRODUCTS LIST

PUBLISHING DATE: JANUARY 2017 (AMENDED 2/24/2017)



This list is published every six months and is available only from the Internet. Please notify the Product Evaluation Coordinator, in the Construction Section at the ODOT Materials Laboratory, of any changes in Standard Drawings, Special Provisions, or Specifications, etc., which would require additions to, deletions from, or changes to this listing.

QUALIFIED PRODUCTS LIST

OREGON DEPARTMENT OF TRANSPORTATION

The "**QUALIFIED PRODUCTS LIST**" (QPL) is a comprehensive list of all finished products which have been evaluated and/or used by the Oregon DOT.

The "QUALIFIED PRODUCTS LIST" is made up of two types of lists:

1. The **QUALIFIED LIST** - "Q" is for products that have been reviewed and found to be suitable for use in a specific category. Job control testing may still be necessary. Consult the [ODOT Nonfield-Tested Materials Acceptance Guide](#)", the "ODOT Field-Tested Materials Acceptance Guide", and the Project Specifications.

2. The **APPROVED LIST** - "A" is for commercially available products having a low consequence of failure. These products are only usable for appropriate applications. May Require a Field Inspection Report. State existence on the Approved List and recognition of the product. No additional sampling or testing is needed.

Specific questions regarding products on the un-published **CONDITIONAL LIST** can be answered by calling **503/986-3059**.

"Conditionally Approved" products need specific, prior approval for each project. Approval is given for one project at a time.

The use of all products is restricted to the category in which they are listed. Products should be used and installed as the manufacturer recommends. The QPL does not distinguish between domestic and foreign steel. Use of this list by **ODOT Maintenance** Personnel as an information resource is encouraged not required.

Note: Any change to a product on the QPL, without prior approval, will be cause for rejection of the product.

| <u>Description</u> | <u>Page #</u> |
|------------------------------------|---------------|
| Index by Category, for Spec #..... | I-II |
| Traffic Control Devices..... | III |
| Erosion Control Devices | IV - V |
| Pavement Markings | VI - VII |
| Qualified & Approved List..... | 1 – 209 |
| by Spec Number | |
| Reinforcing Steel | A1-A11 |

The "QPL" and submittal forms are accessible from the Internet:

<http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/>

Although the products listed may be approved for use, they are not exempt from State Purchasing Rules, practices and guidelines, or manufacturer's warranties or guarantees.

If you have questions, contact:

Oregon Department of Transportation
800 Airport Rd SE, Salem, OR 97301-4798
Dean Chess, Phone: 503/986-3059

E-Mail: dean.m.chess@odot.state.or.us

FAX: 503/986-3096



OREGON DEPARTMENT OF TRANSPORTATION

"QPL" INDEX BY CATEGORY TO GET SPECIFICATION NUMBERS

PAGE I

| CATEGORY | SPEC # |
|-----------------------------------|----------|
| ANTI-GRAFFITI COATING - SIGNS | 02910.70 |
| ASPHALT COLD PATCH - HI PERF | 00745.00 |
| ASPHALT RELEASE AGENT | 00745.22 |
| AUTOMATED FLAGGER ASSIST. DEVICE | 00225.18 |
| BACKER ROD | 02440.14 |
| BARRICADE, TEMPORARY | 00225.12 |
| BARRIER PANELS, REFLECTIVE | 00225.12 |
| BARRIER, CABLE | 00811.00 |
| BEARINGS, BRIDGE | 00582.10 |
| BIRD SPIKES | 00907.10 |
| BONDING AGENT, EPOXY | 02070.10 |
| BONDING AGENT, NON-EPOXY | 02070.20 |
| CEMENT, BLENDED | 02010.20 |
| CEMENT, PORTLAND | 02010.10 |
| CFRP STRENGTHENING WET LAY UP | 00565.00 |
| CHEMICAL ADMIXTURES | 02040.10 |
| CHLORIDE REMOVER | 00594.13 |
| COATING FOR REBAR SPLICES | 02510.11 |
| COATING, FOR REBAR, EPOXY | 02510.11 |
| CONCRETE & CRACK SEALER HIGH MOD. | 02060.20 |
| CONCRETE & CRACK SEALER LOW MOD. | 02060.10 |
| CONCRETE MODIFIER - LATEX | 02035.00 |

| CATEGORY | SPEC # |
|-----------------------------------|----------|
| CONCRETE ANCHOR, MECHANICAL | 00535.10 |
| CONCRETE ANCHOR, RESIN | 00535.10 |
| CONCRETE BARRIER GATE | 00820.00 |
| CONCRETE SCM - BLENDED | 02030.60 |
| CONCRETE SCM - GGBF SLAG | 02030.40 |
| CONCRETE SCM - METAKAOLIN | 02030.50 |
| CONCRETE SCM - SILICA FUME | 02030.20 |
| CONCRETE SCM - FLY ASH | 02030.10 |
| CONCRETE SEALER - WATER REPELLENT | 02060.30 |
| CONCRETE SURFACE RETARDER | 02055.10 |
| CRACK INJECTION, EPOXY | 00538.10 |
| CURING BLANKET, CONCRETE | 02050.30 |
| CURING COMPOUND, CONCRETE | 02050.10 |
| DAMP PROOFING, CLEAR | 00597.11 |
| DELINEATORS - (TYPES 1 to 6) | 00840.10 |
| DETECTABLE WARNING DEVICES | 00759.12 |
| DRAINS, TRENCH (PREFORMED) | 00446.00 |
| ELASTOMERIC CONCRETE | 00584.10 |
| ELECTRONIC CUTTABLE FILM | 02910.60 |
| EROSION CONTROL | 00280.00 |
| EXPANSION JOINTS, BRIDGE | 00585.10 |
| FENCING, WORKZONE | 00225.12 |

| CATEGORY | SPEC # |
|-----------------------------------|----------|
| FLAGGER STATION LIGHTING | 00225.17 |
| FLAGGER STOP/SLOW PADDLE | 00225.27 |
| FORM TIE, NON-METALLIC | 00540.45 |
| GALVANIZING REPAIR OF HOT-DIP | 02530.71 |
| GEOGRIDS - SUBGRADE REINFORCEMENT | 02320.10 |
| GEOGRIDS - TYPE I MSEW | 02320.10 |
| GLARE SHIELDS | 00822.00 |
| GLARESCREEN TEMPORARY | 00225.12 |
| GROUT, EPOXY | 02080.10 |
| GROUT, KEYWAY | 02080.30 |
| GROUT, NON-EPOXY (NON SHRINK) | 02080.20 |
| GROUT, STRUCTURAL | 02080.60 |
| GROUT, TENDON | 02080.50 |
| GUARDRAIL BLOCKS, PLASTIC | 02110.20 |
| GUARDRAIL BLOCKS, PLASTIC | 02110.20 |
| GUARDRAIL TERMINALS | 00810.10 |
| IMPACT ATTENUATOR, PERM. | 00830.00 |
| IMPACT ATTENUATOR, TEMP. | 00225.12 |
| IMPACT ATTENUATOR, TRUCK MTD | 00225.12 |
| JOINT FILLER, PREFORMED | 02440.10 |
| LATEX EMULSION PAINT | 02210.30 |
| LOOP SEALANTS, TRAFFIC | 00990.43 |

OREGON DEPARTMENT OF TRANSPORTATION

"QPL" INDEX BY CATEGORY TO GET SPECIFICATION NUMBERS

PAGE II

| CATEGORY | SPEC# |
|------------------------------------|----------|
| LUBE FOR FASTENERS | 02560.70 |
| LUBE FOR GALV FASTENERS | 02560.70 |
| LUBE FOR STAINLESS FASTENERS | 02560.70 |
| MAILBOX SUPPORTS | 01070.00 |
| MANHOLE RISER RINGS | 00470.00 |
| MANHOLE STEPS | 02450.30 |
| MARKERS, TUBULAR AND CONICAL | 00225.13 |
| MARKERS, TUBULAR, SURF. MTD, PERM. | 00856.10 |
| MARKERS, TUBULAR, SURF. MTD, TEMP. | 00225.13 |
| MARKINGS, LONGITUDINAL - DURABLE | 00865.00 |
| MARKINGS, LONGITUDINAL - HIGH PERF | 00866.00 |
| MARKINGS, LONGITUDINAL - PAINT | 00860.00 |
| MARKINGS, TRANSVERSE | 00867.00 |
| MEMBRANE, SPRAY WATERPROOFING | 00591.00 |
| MOISTURE RETENTION CHEM FOR SOIL | 01040.22 |
| MPCO AGGREGATE | 00556.20 |
| MULTI - LAYER POLY. CON. OVERLAY | 00556.10 |
| OVERHEIGHT VEHICLE WARNING | 00225.16 |
| PAVEMENT MARKER ADHESIVE | 00855.00 |
| PAVEMENT MARKER, FLEXIBLE | 00225.13 |
| PAVEMENT MARKER, PERMANENT | 00855.00 |
| PCC REPAIR | 02015.20 |

| CATEGORY | SPEC# |
|---------------------------------------|-----------|
| PCC REPAIR POLYMER MODIFIED | 02015.30 |
| PCC REPAIR, SURFACE | 02015.50 |
| PCMS / PVMS - CHNGABLE MESSAGE SIGN | 00225.16 |
| PEDESTRIAN CHANNELIZING DEVICE | 00225.12H |
| PERFORATED STEEL SQ TUBE - ANCHORS | 00930.00 |
| PERFORATED STEEL SQ TUBE - SLIP BASE | 00930.00 |
| PERFORATED STEEL SQ TUBE - SUPPORTS | 00930.00 |
| PILE TIPS | 00520.00 |
| PIPE - POLYETHYLENE | 02415.10 |
| PIPE - POLYPROPYLENE | 02415.40 |
| PIPE - PVC | 02415.50 |
| PIPE, MASTIC | 00445.12 |
| PIPE, POLYMER COATINGS FOR METAL PIPE | 02420.20 |
| PLASTIC DRUMS, TEMPORARY | 00225.13 |
| POROUS PAVER | 00760.00 |
| POURED JOINT FILLER, HOT | 02440.30 |
| POURED SEALANT, SILICONE (2 PART) | 02440.11 |
| RADAR SPEED TRAILER | 00225.18 |
| REBAR MANUFACTURERS | 00530.00 |
| REBAR SPLICE, MECHANICAL | 00530.42 |
| REFLECTIVE ELEMENTS FOR MARKINGS | 00850.00 |
| REINFORCEMENT, HEADED BAR | 02510.25 |

| CATEGORY | SPEC# |
|---------------------------------------|-----------|
| ROCK BOLTS | 00398.00 |
| SEQUENTIAL ARROW SIGN | 00225.16 |
| SIGN COVERS, TEMPORARY | 00225.11 |
| SIGN SHEETING TYPE O4, WORKZONE RIGID | 00225.11 |
| SIGN SHEETING, TYPES I - X | 02910.20 |
| SIGN SHEETING, WORKZONE ROLL-UP | 00225.11 |
| SIGN SUPPORTS, PORTABLE | 00225.11 |
| SMART WORK ZONE SYSTEM VENDOR | 00225.16C |
| SOIL BIO AMENDMENT | 01040.17 |
| SOIL STERILIZATION | 01040.21 |
| STORMWATER CONTROL FACILITIES | 01010.03 |
| STRUCTURAL STEEL CAULKING | 00594.12 |
| STRUCTURAL STEEL COATINGS | 00594.10 |
| SYNTHETIC FIBER, MACRO, MICRO, BLEND | 02045.00 |
| SYNTHETIC SLURRY | 00512.14 |
| TAPE, NON-REFLECTIVE | 00225.13 |
| TAPE, TEMPORARY | 00225.13 |
| TIMBER COATING | 02210.20 |
| TRAFFIC SIGNAL, PORTABLE | 00225.15 |
| TRANSVERSE RUMBLE STRIPS, TEMP. | 00225.13I |
| TRENCHLESS TECHNOLOGY | 00445.00 |
| WATERPROOFING - CAP | 00597.11 |

Traffic Control Devices Notice (1-2017)

The American Association of State Highway and Transportation Officials (AASHTO) recently published the *Manual for Assessing Safety Hardware* (MASH). MASH is an update to and supersedes NCHRP Report 350.

Requirements in Section 1408 of SAFETEA-LU stated that "The Secretary, in cooperation with the Association [i.e., AASHTO], shall publish updated guidance regarding the conditions under which States, when choosing to improve or replace highway features on the NHS, should improve or replace such features ... ". The AASHTO/FHWA Implementation Plan was developed to satisfy that requirement.

Category 1: Plastic Tubular Markers, Plastic Barrels. ODOT Link for Self-Certification form: [Click Here](#)

Category 2: Portable Sign Supports, Tripod Mounted AFAD's, Type 3 Barricades, etc.

Category 3: Impact Attenuators, Guardrail, etc.

Category 4: Trailer Mounted Sequential Arrows, Trailer Mounted Message Boards,
Trailer Mounted AFAD's, Trailer Mounted Flagger Station Lighting etc.

It is the responsibility of the Contractor to ensure they use a product that complies with the appropriate requirements.

FHWA Safety Websites:

Work Zone Devices: http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/wzd/

Traffic Barriers, Barrier Terminals, Crash Cushions, and Bridge Railings:

http://safety.fhwa.dot.gov/roadway%5Fdept/policy_guide/road_hardware/barriers/term_cush.cfm

NCHRP Report 350: http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/nchrp_350/

MASH: http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/ctrmeasures/mash/

Self Certification Category: http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/nchrp_350/catg1.cfm

FHWA Work zone Letter WZ-161:

http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/listing.cfm?code=workzone

Erosion Control

| <u>Category</u> | <u>Remarks</u> | <u>Section</u> |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Check Dam | Type 1 – Aggregate Type 2 – Straw Bale Type 3 – Biofilter Bag Type 4 – Sand Bag Type 5 – Prefabricated Check Dam System Type 6 – Compost Filter Sock | 00280.15a |
| Chemical Dust Control | Type 1 – Liquid Type 2 – Dry | 00280.14c |
| Drainage Curb..... | | 00280.15c |
| Flow Spreader | | 00280.15e |
| Inlet Protection | Type 1 – Sediment Fence Type 2 – Geotextile w/Aggregate Filter Type 3 – Prefabricated Filter Insert (Standard and Oil/Gas Versions) Type 4 – Biofilter Bag Type 5 – Masonry and Aggregate Type 6 – Sod Type 7 – Compost Filter Sock Type 8 - Other | 00280.16d |
| Matting** – Slope | Type A - Slopes 1:3 or flatter - Clay Soil Type B - Slopes 1:3 or flatter - Sandy Soil Type C - Slopes steeper than 1:3 - Clay Soil Type D - Slopes steeper than 1:3 - Sandy Soil | 00280.14e |
| Matting** – Flexible Channel Liner | Type E - Shear Stress Range 0 – 96 Pascals (0 –2 lbs/sq ft) Type F - Shear Stress Range 0 – 192 Pascals (0 –4 lbs/sq ft) Type G - Shear Stress Range 0 – 287 Pascals (0 –6 lbs/sq ft) Type H - Shear Stress Range 0 – 383 Pascals (0 –8 lbs/sq ft) | 00280.14e |

**Texas DOT Website for use with Mattings:

<http://www.txdot.gov/inside-txdot/division/maintenance/erosion-control.html>

Erosion Control

| <u>Category</u> | <u>Remarks</u> | <u>Section</u> |
|------------------------------|------------------------------------------|----------------|
| Mulches, Temporary | | 00280.14d |
| Outlet Protection | Type 1 – In Channel | 00280.00 |
| | Type 2 – End of Pipe | |
| | Type 3 – Flocculent | |
| Plastic Sheeting | | 00280.14a |
| Sediment Barrier, Temporary | Type 1 – Straw Bale | 00280.16e |
| | Type 2 – BioFilter Bag | |
| | Type 3 – Fiber Rolls (Wattles) | |
| | Type 4 – Sand Bags | |
| | Type 5 – Brush Barriers | |
| | Type 6 – Filter Berm | |
| | Type 7 – Pre-Fabricated Sediment Barrier | |
| | Type 8 – Compost Filter Sock | |
| | Type 9 – Compost Filter Berm | |
| Sediment Fence | | 00280.16c |
| Sediment Mat | | 00280.16f |
| Slope Drain, Temporary | | 00280.15d |
| Slope Protection | Type 1 – Soft Armoring | 00390.00 |
| | Type 2 – Cellular Confinement | |
| | Type 3 – Other | |

Pavement Markings (1 of 2)

(1-17)

Longitudinal Durable Pavement Markings Section 00865.00

Category
Method (A)
Extruded

Applications
(S) Surface (P) Profile, 120 Mills w/ ½" bumps
(G) Grooved (NP) Non-Profile

Material
(1) Methyl Methacrylate (MMA)
(2) Thermoplastic

Category
Method (B)
Sprayed

Applications
(S) Surface (P) Profile, 120 Mills w/ ½" bumps
(G) Grooved (NP) Non-Profile

Material
(1) Methyl Methacrylate (MMA)
(2) Thermoplastic

Category
Method (C)
Tape

Applications
Pavement Marking Tape – Rolled-In Non-Patterned
Pavement Marking Tape – Rolled-In Patterned
Pavement Marking Tape – Grooved Non-Patterned
Pavement Marking Tape – Grooved Patterned
Pavement Marking Tape – Rolled-In Patterned Wet Weather
Pavement Marking Tape – Grooved Patterned Wet Weather

Category
Method (D)
Wet Weather

Applications
(S) Surface (P) Profile, 120 Mills w/ ½" bumps
(G) Grooved (NP) Non-Profile

Material
(1) Methyl Methacrylate (MMA)
(2) Thermoplastic

Pavement Markings (2 of 2)

Longitudinal High Performance Pavement Markings 00866.00

| <u>Category</u> | <u>Applications</u> | <u>Material</u> |
|---------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Method 1 - Extruded | (S) Surface (G) Grooved | |
| Method 2 – Spray | <u>Applications</u> (S) Surface (G) Grooved | <u>Material</u> Plural Component Hi-Build Paint Plural Component Wet Weather Hi-Build Paint Wet Weather |

Transverse Durable Pavement Markings 00867.00

| <u>Category</u> | <u>Applications & Material</u> |
|-----------------|----------------------------------------------------------------------------------------|
| Type A | Liquid Hot Poured Thermoplastic with intermixed and top-dressed beads, 120 Mils |
| Type B | Preformed Fused Thermoplastic with intermixed beads, 125 Mils |
| Type B-HS | Preformed Fused Thermoplastic with intermixed beads, 125 Mils (HS= Hi Skid Resistance) |

**ODOT CONSTRUCTION / MATERIALS SECTION
QUALIFIED PRODUCTS LIST
APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|-------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------|
| 00225.11 | SIGN COVERS | SIGN SHIELD | SIGN SHIELDS 503/704-1762 | 06/11/13 | 4658 | A | COVERS SIGN COMPLETELY NOT APPROVED FOR PERMANENT APPLICATIONS. RIDGE COVER |
| 00225.11 | SIGN COVERS | SIGNSOCKS | SIGN SOCKS INC. 888/765-4769 TODD PETREY 541/297-8655 | 02/10/00 | 1966 | A | COVERS SIGN COMPLETELY NOT APPROVED FOR PERMANENT APPLICATIONS. POLYPROPYLENE |
| 00225.11 | SIGN SHEETING - TYPE 04 RIGID - WORKZONE | ORALITE HI PRISMATIC SERIES 5930 CONSTRUCTION WORK ZONE | ORAFOL 860/676-7100 BROOK JERZYK 860/676-7100 | 04/01/13 | 4548 | A | WAS NAMED REFLEXITE |
| 00225.11 | SIGN SHEETING - TYPE 04 RIGID - WORKZONE ODOT TYPE 04 | 3-M SERIES 3924S ASTM D4956 TYPE VII & X | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 11/09/06 | 3236 | A | FLUORESCENT ORANGE |
| 00225.11 | SIGN SHEETING - TYPE 04 RIGID - WORKZONE ODOT TYPE 04 | 3-M SERIES 3954 ASTM D4956 TYPE IX | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 12/09/04 | 2856 | A | FLUORESCENT ORANGE |
| 00225.11 | SIGN SHEETING - TYPE 04 RIGID - WORKZONE ODOT TYPE 04 | AVERY DENNISON W-7514 ASTM D4956 TYPE VIII | AVERY DENNISON 800/327-5917 | 02/10/05 | 2855 | A | FLUORESCENT ORANGE |
| 00225.11 | SIGN SHEETING - TYPE 04 RIGID - WORKZONE ODOT TYPE 04 | OMNICUBE T-11500 SERIES ASTM TYPE XI | AVERY DENNISON 240/925-6891 | 07/27/12 | 4502 | A | WHITE, FLUO YELLOW FLUO YELLOW GREEN FOR USE IF ALLOWED. FLUO ORANGE IS ODOT STANDARD |
| 00225.11 | SIGN SHEETING - TYPE 04 RIGID - WORKZONE ODOT TYPE 04 | OMNICUBE W-11514 FLUO ORANGE ASTM TYPE XI | AVERY DENNISON 240/925-6891 | 07/27/12 | 4501 | A | FLUORSECENT ORANGE |
| 00225.11 | SIGN SHEETING, ROLL-UP FOR ROLL-UP SIGNS | 3-M DIAMOND GRADE FLEXIBLE ROLL-UP SERIES RS641 FLUORESCENT | 3-M COMPANY TSSD 800/553-1380 | 04/13/16 | 4949 | A | FLUORESCENT ORANGE |

*LIST 'A' = APPROVED. MAY BE USED WITHOUT SAMPLES, TESTING, OR QUALITY COMPLIANCE CERTIFICATIONS. MAY NEED A FIELD INSPECTION REPORT.

**LIST 'Q' = QUALIFIED. USE WITH SAMPLING, TESTING, &/OR QUALITY COMPLIANCE CERTIFICATIONS AS NEEDED. NEEDS A FIELD INSPECTIONS REPORT. CHECK SPECS AND NFTMAG.
LIST PUBLISHED BY: ODOT MATERIALS LAB; 800 AIRPORT RD SE; SALEM, OR 97301-4798; (503) 986-3059. PLEASE REPORT ANY PROBLEMS USING THESE PRODUCTS.

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|------------------------|-------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------|
| 00225.11 | SIGN SHEETING, ROLL-UP FOR ROLL-UP SIGNS | 3-M RS24 ROLLUP SHEETING | 3-M COMPANY TSSD 800/553-1380 | 11/16/00 | 1705 | A | FLUORESCENT ORANGE |
| 00225.11 | SIGN SHEETING, ROLL-UP FOR ROLL-UP SIGNS | 3-M RS33 ROLLUP SHEETING | 3-M COMPANY TSSD 800/553-1380 | 11/10/05 | 2950 | A | ODOT INCIDENCE MANANGEMENT ONLY. FLUORESCENT PINK |
| 00225.11 | SIGN SHEETING, ROLL-UP FOR ROLL-UP SIGNS | ORALITE FLUORESCENT PINK SUPERBRIGHT ROLL-UP SIGNS | ORAFOL 860/676-7100 BROOK JERZYK 860/676-7100 | 06/11/09 | 3736 | A | FOR INCIDENT RESPONSE CREWS ONLY. WAS NAMED REFLEXITE FLUORESCENT PINK SUPERBRIGHT |
| 00225.11 | SIGN SHEETING, ROLL-UP FOR ROLL-UP SIGNS | ORALITE HIGH PERFORMANCE ROLL-UP SIGN UTILIZING MARATHON FLUORESCENCE | ORAFOL 860/676-7100 BROOK JERZYK 860/676-7100 | 11/16/00 | 1821 | A | FLUORESCENT ORANGE WAS NAMED REFLEXITE MARATHON |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | COMPACT FLEXING STAND C-102 | EASTERN METALS 800/872-7446 ZUMAR INDUSTRIES 800/426-7967 | 12/13/01 | 2183 | A | PASSED NCHRP 350 CAT 2 TESTING FOR ROLL-UP SIGNS ONLY. TESTED AT 18" ABOVE THE GROUND |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | COMPACT FLEXING STAND C-202 | EASTERN METALS 800/872-7446 ZUMAR INDUSTRIES 800/426-7967 | 12/13/01 | 2182 | A | PASSED NCHRP 350 CAT 2 TESTING ROLL-UP SIGNS ONLY. 18" A.G. SAME AS C-942, BUT HAS GALV STEEL FRAME W/FIBERGLASS SPRNG |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | DL-1003W | PACIFIC SAFETY SUPPLY 800-333-5641 MIKE BURKE 206/818-9277 | 04/10/03 | 2794 | A | PASSED NCHRP 350 CAT 2 TESTING FOR ROLL-UP SIGNS. MEETS OUR SPECS. TESTED AT 14" ABOVE THE GROUND |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | INTERSTATE SIGN STAND X-551 | EASTERN METALS 800/872-7446 ZUMAR INDUSTRIES 800/426-7967 FORESS SIGN CO 541/928-5858 | 12/13/01 | 1817 | A | PASSED NCHRP 350 CAT 2 TESTING FOR ROLL-UP SIGNS ONLY. BASE IS MODEL X-550 AND ROLLUP SIGN OPTION IS X-551. 18" ABOVE GRN |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | LITTLE BUSTER | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 12/13/01 | 2251 | A | TESTED AT 12" ABOVE PAVEMENT MET NCHRP 350 CAT 2 |

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|------------------------|-------------------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------|
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | PS-3000S | PACIFIC SAFETY SUPPLY 800-333-5641 MIKE BURKE 206/818-9277 | 03/14/02 | 2219 | A | PASSED NCHRP 350 CAT 2 TESTING FOR ROLL-UP SIGNS. MEETS OUR SPECS TESTED AT 18.5" ABOVE GROUND |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | PS-3330S | PACIFIC SAFETY SUPPLY 800-333-5641 MIKE BURKE 206/818-9277 | 03/14/02 | 2220 | A | PASSED NCHRP 350 CAT 2 TESTING FOR ROLL-UP SIGNS. MEETS OUR SPECS TESTED AT 18.5" ABOVE GROUND |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | SIGN-UP MS-2000X/I MINI STAND | SIGN-UP CORPORATION 800/659-6466 | 02/08/01 | 2285 | A | TESTED AT 25" TO BOTTOM OF SIGN. MET NCHRP 350 CAT 2 |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | SIGN-UP X-CELL SIGN STAND | SIGN-UP CORPORATION 800/659-6466 | 06/08/00 | 2286 | A | MFG SHOWED CRASHWORTHINESS AND WIND STABILITY. TESTED AT 18" TO BOTTOM OF SIGN. |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | TRAFFIX DEVICES SINGLE SPRING MODEL #22000 SPUH | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 03/14/02 | 2528 | A | CRASH TESTED, AND MET OUR OTHER SPECS. TESTED AT 18" ABOVE THE GROUND |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | TRAFFIX STAND | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 12/12/01 | 2311 | A | TESTED AT 12" ABOVE THE PAVEMENT SURFACE. MET NCHRP 350 CAT 2 |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | UF 2000 | PACIFIC SAFETY SUPPLY 800-333-5641 MIKE BURKE 206/818-9277 | 04/10/03 | 2795 | A | PASSED NCHRP 350 CAT 2 TESTING FOR ROLL-UP SIGNS. MEETS OUR SPECS. TESTED AT 12" ABOVE THE GROUND |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | WINDMASTER MODEL 4884KET | MDI 800/521-6776 DAVID HILLSTROM 248/553-1900 LANNIE HYDE 916/645-8686 | 03/23/15 | 4860 | A | |
| 00225.11 | SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS | WINDMASTER MODEL 5012SSAL PT | MDI 800/521-6776 DAVID HILLSTROM 248/553-1900 LANNIE HYDE 916/645-8686 | 03/23/15 | 4859 | A | |

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 QUALIFIED PRODUCTS LIST
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 QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
 JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|---------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------|
| 00225.11B5 | WORK ZONE TRAFFIC CONTROL | SQUARE TUBE SIGN SUPPORTS TEMPORARY | | 07/30/12 | | A | SEE SECTION 00930.00 |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | A-CADE MODEL # 100 | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 05/11/00 | 2270 | A | TYPE I BARRICADE. FHWA OK. REQUIRES 6# SAND BALLAST. |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | COMBOCADE TYPE I BARRICADE | PLASTICADE 800/772-0355 | 07/27/12 | 4496 | A | |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | ECON PLASTIC FOLDING BARRICADE | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 02/04/02 | 1506 | A | MFG TESTED TO NCHRP 350. |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | ECONOCADE TYPE I BARRICADE | PLASTICADE 800/772-0355 | 07/27/12 | 4497 | A | |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | HI IMPACT PLASTIC FOLDING BARR | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 09/11/03 | 2308 | A | SAND FILLED BASE. |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | METAL LEG FOLDING BARRICADE | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 09/11/03 | 2309 | A | |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | TD2100 MODEL# 210127 WORKS BARRICADE | THREE D TRAFFIC WORKS SCOTT BEHM 877/843-9757 PUBLIC WORKS SUPPLY GREG MCDONALD 503/678-2981 | 12/09/04 | 2682 | A | ALL PLASTIC. HAS AASHTO TYPE III SHEETING. |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | TD2150-215153 WORKS BARRICADE | THREE D TRAFFIC WORKS SCOTT BEHM 877/843-9757 | 02/09/06 | 3212 | A | PLASTIC. HAS AASHTO TYPE III SHEETING. |

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| 00225.12 | BARRICADE, TEMP - TYPE 1 | TD2300 MODEL# 250231 WORKS BARRICADE | THREE D TRAFFIC WORKS SCOTT BEHM 877/843-9757 PUBLIC WORKS SUPPLY GREG MCDONALD 503/678-2981 | 12/09/04 | 2684 | A | WOOD PANELS WITH 14 GA GALV LEGS. HAS AASHTO TYPE III SHEETING. |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | TYPE I ROADMARKER BARRICADE | Myers&Son Hi-Way Safety, Inc. Highway Safety Products Luke de Leon 714/348-7289 | 12/18/12 | 4573 | A | |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | UNIVERSAL PLASTIC BARRICADE I | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 11/10/05 | 2169 | A | MEETS NCHRP 350 CAT 2. |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | WAFFLE BOARD PLASTIC PANEL BW1 MODEL# "BW1" | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 11/10/05 | 2171 | A | MEETS NCHRP 350 CAT 2 |
| 00225.12 | BARRICADE, TEMP - TYPE 1 | WOOD & METAL LEG BARRICADE BP1 MODEL# "BP1" | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 11/10/05 | 2170 | A | MEETS NCHRP 350 CAT 2. |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | COMBOCADE TYPE II BARRICADE | PLASTICADE 800/772-0355 | 07/27/12 | 4496 | A | |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | ECON PLASTIC FOLDING BARRICADE | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 02/04/02 | 1506 | A | MFG TESTED TO NCHRP 350. |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | ECONOCADE TYPE II BARRICADE | PLASTICADE 800/772-0355 | 07/27/12 | 4497 | A | |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | HI IMPACT PLASTIC FOLDING BARR | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 09/11/03 | 2308 | A | SAND FILLED BASE. |

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JANUARY 2017 (AMENDED 2/24/2017)**

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| 00225.12 | BARRICADE, TEMP - TYPE 2 | METAL LEG FOLDING BARRICADE | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 09/11/03 | 2309 | A | |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | SAFETYCADE | WLI INDUSTRIES TOM BOYCE 708/932-4600 | 01/11/96 | 1423 | A | COLLAPSIBLE LOCKING PLASTIC BARRICADE SYSTEM. 2 TYPES: - TAPER AND TRANSITION - TANGENT (NCHRP 350-OK) |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | TD2150-215213 WORKS BARRICADE | THREE D TRAFFIC WORKS SCOTT BEHM 877/843-9757 | 05/11/06 | 3279 | A | ALL PLASTIC WITH AASHTO TYPE III SHEETING. |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | TD2300 MODEL# 250439 WORKS BARRICADE | THREE D TRAFFIC WORKS SCOTT BEHM 877/843-9757 PUBLIC WORKS SUPPLY GREG MCDONALD 503/678-2981 | 12/09/04 | 2684 | A | WOOD PANELS WITH 14 GA GALV LEGS. HAS AASHTO TYPE III SHEETING. |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | Type II ROADMARKER BARRICADE | Myers&Son Hi-Way Safety, Inc. Highway Safety Products Luke de Leon 714/348-7289 | 12/18/12 | 4578 | A | |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | UNIVERSAL PLASTIC BARRICADE II | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 03/09/00 | 2169 | A | MEETS NCHRP 350 CAT 2. 37" HIGH, 24" WIDE, AND 25 POUNDS. |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | WAFFLE BOARD PLASTIC PANEL BW2 MODEL# "BW2" | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 07/13/00 | 2171 | A | APPROVED BY FHWA TO NCHRP 350 CAT 2. |
| 00225.12 | BARRICADE, TEMP - TYPE 2 | WOOD & METAL LEG BARRICADE BP2 MODEL# "BP2" | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 03/09/00 | 2170 | A | MEETS NCHRP 350 CAT 2. 37" HIGH, 24" & 36" WIDE, 16 & 30 POUNDS. HAS PLYWOOD BOARDS WITH METAL LEGS. |
| 00225.12 | BARRICADE, TEMP - TYPE 3 | BENT TYPE III BARRICADE MODEL# BP3 | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 11/10/99 | 2007 | A | NCHRP 350 CAT 2 APPROVED. STEEL UPRIGHTS W/WOOD PANELS. NO SIGNS AND/OR LIGHTS. |

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| 00225.12 | BARRICADE, TEMP - TYPE 3 | DAVIDSON T3B BARRICADE | PEXCO LLC - DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 07/13/00 | 2303 | A | PLASTIC PANELS & UPRIGHTS, AND STEEL FEET. NO SIGNS AND/OR LIGHTS. |
| 00225.12 | BARRICADE, TEMP - TYPE 3 | EZ-UP TYPE III BARRICADE | CANTEL OF MEDFORD 541/773-2765 | 05/11/00 | 2241 | A | SIMILAR TO BENT TYPE III UNIT. OK BY FHWA. NO SIGNS AND/OR LIGHTS. |
| 00225.12 | BARRICADE, TEMP - TYPE 3 | PLASTICADE POWER POST | PLASTICADE 800/772-0355 | 07/10/14 | 4801 | A | NO SIGNS OR LIGHTS |
| 00225.12 | BARRICADE, TEMP - TYPE 3 | SENTINEL TYPE III 2604-HIP-KIT & 2606-HIP-KIT | PLASTICADE PROD. 800/772-0355 KEVIN HARLEY 520/247-5433 | 07/09/09 | 3427 | A | 2604 = 4'WIDE & 2606 = 6'WIDE. NO SIGNS AND/OR LIGHTS. |
| 00225.12 | BARRICADE, TEMP - TYPE 3 | TD2400-290455 WORKS BARRICADE | THREE D TRAFFIC WORKS SCOTT BEHM 877/843-9757 | 04/13/06 | 3288 | A | PLASTIC PANELS, RAILS, AND UPRIGHTS. ANGLE STEEL BASE. AASHTO TYPE III SHEETING. NO SIGNS AND/OR LIGHTS. |
| 00225.12 | BARRICADE, TEMP - TYPE 3 | TD2400-291158A WORKS BARRICADE | THREE D TRAFFIC WORKS SCOTT BEHM 877/843-9757 | 05/11/06 | 2685 | A | PLASTIC RAILS, PANELS, AND UPRIGHTS. ANGLE STEEL BASE. HAS AASHTO TYPE III SHEETING. NO SIGNS AND/OR LIGHTS. |
| 00225.12 | BARRICADE, TEMP - TYPE 3 | TD2500-270465 WORKS BARRICADE | THREE D TRAFFIC WORKS SCOTT BEHM 877/843-9757 | 02/09/06 | 3213 | A | PLYWOOD BOARDS WITH ANGLE STEEL UPRIGHTS AND FRAME. HAS AASHTO TYPE III SHEETING. NO SIGNS AND/OR LIGHTS. |
| 00225.12 | BARRICADE, TEMP - TYPE 3 | TD2650-280338 WORKS BARRICADE | THREE D TRAFFIC WORKS SCOTT BEHM 877/843-9757 | 02/09/06 | 3214 | A | PLASTIC BOARDS WITH TUBULAR STEEL UPRIGHTS AND FRAME. HAS AASHTO TYPE III SHEETING. NO SIGNS AND/OR LIGHTS. |
| 00225.12 | BARRICADE, TEMP-TYPE 3 | PLASTICADE TELESPAR TYPE III | PLASTICADE 847/583-4189 | 05/09/12 | 4424 | A | SERIES 3500 TELESPAR FEET SERIES 3700 ANGLE IRON FEET 4', 6', 8' WIDTHS NO SIGNS OR LIGHTS |

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| 00225.12 | BARRIER MARKER TEMPORARY | BARRIER MARKER, TEMPORARY | | 04/19/00 | | A | SEE SECTION 00820.11 BARRIER MARKERS. |
| 00225.12 | BARRIER PANEL, REFLECTIVE TEMPORARY | 3-M SERIES 344/346 LDS | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 11/09/04 | 2487 | A | MOUNTS TO THE SIDE OF BARRIER. ODOT RESEARCH PROJECT. IT IS ALUMINUM STRIPS WITH RETRO-REFLECTIVE SHEETS ON THE FACE. |
| 00225.12 | FENCING, WORKZONE DELINEATION | KC BARRICADE FENCE | KC WHOLESALE CONSTRUCTION PROD 206/850-8672 | 03/10/11 | 1486 | A | ORANGE SAFETY / SNOW FENCE. |
| 00225.12 | FENCING, WORKZONE DELINEATION | PERIMETER PLUS X05650-001 | CONWED PLASTICS 612/623-1700 GEOTEK 888/708-8835 | 03/10/11 | 3147 | A | |
| 00225.12 | FENCING, WORKZONE DELINEATION | PERIMETER PLUS X05650-002 | CONWED PLASTICS 612/623-1700 GEOTEK 888/708-8835 | 03/10/11 | 3306 | A | |
| 00225.12 | FENCING, WORKZONE DELINEATION | PROTEX FENCE - SF2048L-12P | NORPLEX 253/735-3431 ACF WEST 800/878-5115 | 03/10/11 | 4324 | A | |
| 00225.12 | FENCING, WORKZONE DELINEATION | SAF-T-SNO | TENAX CORPORATION 800/874-7437 ACF WEST 800/878-5115 410/522-7000 | 04/12/07 | 3432 | A | MEETS NEW SPECS. |
| 00225.12 | FENCING, WORKZONE DELINEATION | TENAX/ALPI SAFETY FENCE | TENAX CORPORATION 800/874-7437 DAVE WRIGHT 503/232-3480 WHITE CAP 503/287-4151 KODIAK SUPPLY 800/332-7452 | 12/14/06 | 22 | A | PLASTIC FENCE. MUST HAVE ADEQUATE SUPPORTS. 410/522-7000 |
| 00225.12 | FENCING, WORKZONE DELINEATION | WARNING BARRIER FENCE # 14993 | MUTUAL INDUSTRIES 800/523-0888 215/927-6000 | 07/12/07 | 3441 | A | |

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JANUARY 2017 (AMENDED 2/24/2017)**

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| 00225.12 | GLARE SCREENS, TEMPORARY | ARROW GLARE SCREEN | ASSOCIATED THERMOFORMING, INC 970/532-2000 EXT. 203 FREEWAY SCREEN, LLC 714/585-3405 | 11/17/14 | 4766 | A | |
| 00225.12 | GLARE SCREENS, TEMPORARY | GLARE SHIELDS, TEMPORARY | | 04/19/00 | | A | SEE SECTION 00822.00, GLARE SHIELDS. |
| 00225.12 | GUARDRAIL MTD REFLECTOR | GUARDRAIL MOUNTED REFLECTORS, TEMPORARY | | 04/19/00 | | A | SEE SECTION 00840.00, DELINEATORS, FLEXIBLE TYPE 4A, GUARDRAIL VERSION. |
| 00225.12 | IMPACT ATTENUATOR TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | UNIVERSAL TAU-II-R TL-2 | LINDSAY TRANSPORTATION SOLUTIONS BARRIER SYSTEMS 707/374-6800 | 06/11/14 | 4771 | Q | |
| 00225.12 | IMPACT ATTENUATOR TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | UNIVERSAL TAU-II-R TL-3 | LINDSAY TRANSPORTATION SOLUTIONS BARRIER SYSTEMS 707/374-6800 | 06/11/14 | 4771 | Q | |
| 00225.12 | IMPACT ATTENUATOR, HS TEMPORARY NCHRP 350 HS RE-DIRECTIVE, NON-GATING. | UNIVERSAL TAU-II (HS) | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 03/12/09 | 2961 | A | FHWA APPROVED |
| 00225.12 | IMPACT ATTENUATOR, HS TEMPORARY NCHRP 350 TL-3 | QUEST 115 SYSTEM | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 11/08/07 | 3555 | A | IMPACT SPEEDS TO 70 MPH. |
| 00225.12 | IMPACT ATTENUATOR, HS TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | 2005 FASTRACC | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 11/10/05 | 3156 | A | TESTED FOR IMPACT SPEEDS UP TO 70 MPH. 25' 8" LONG. 30" WIDE. |
| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 | QUADGUARD II | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/09/09 | 3872 | A | TESTED FOR IMPACT SPEEDS UP TO 45 MPH. |

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| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 RE-DIRECTIVE, NON GATING | 2005 SHORTRACC (TL-2) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 01/12/06 | 3154 | A | TESTED FOR IMPACT SPEEDS UP TO 70 KPH/45 MPH. 14.2' LONG. |
| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 RE-DIRECTIVE, NON GATING | SCI70GM | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/377-9100 | 01/11/07 | 3110 | A | LOW MAINTENANCE UNIT. NARROW OR WIDE APPLICATIONS. |
| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 RE-DIRECTIVE, NON GATING | SHORTRACC (TL-2) WAS TRACC (TL-2) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 02/19/04 | 2844 | A | TESTED FOR IMPACT SPEEDS UP TO 70 KPH/45 MPH. 14.2' LONG. 32" WIDE. ORIG Q UNDER P-1902. |
| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING | 2005 WIDETRACC (TL-2) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 01/12/06 | 3155 | A | TESTED FOR IMPACT SPEEDS UP TO 45 MPH. |
| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING | UNIVERSAL TAU-II (TL-2) | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 02/10/05 | 2961 | A | FHWA APPROVED - 4 BAY SYSTEM. |
| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY, NARROW APPS. NCHRP 350 TL-2, GATING IMPACT SPEEDS TO 45MPH | ABSORB 350 TL-2 | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 | 08/08/02 | 2336 | A | FOR FRONT OF BARRIER AND QUICK CHANGE BARRIER. NON REDIRECTIV DON'T USE WITHIN 100' OF POND/ STREAM. IMPACT SPEEDS TO 45MPH |
| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY, NARROW APPS. NCHRP 350 TL-2, GATING NON RE-DIRECTING | ACZ-350 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/09/09 | 3854 | A | NOT ALLOWED ON PROJECTS AFTER JANUARY 2018 WATER FILLED |
| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY, NARROW SYSTEM NCHRP 350 TL-2 | NEAT | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 09/14/95 | 1327 | A | TESTED FOR IMPACT SPEEDS UP TO 70 KPH/45 MPH. THIS PRODUCT IS NON-REDIRECTIVE AND HAS ALUMINUM CARTRIDGES. |
| 00225.12 | IMPACT ATTENUATOR, TL2 TEMPORARY, NARROW SYSTEM NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | QUEST 70 (TL-2) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 06/09/11 | 4372 | Q | TESTED FOR IMPACT SPEEDS UP TO 45 MPH. THREE BAYS. ARRIVES FULLY ASSEMBLED. |

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APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------------------------|
| 00225.12 | IMPACT ATTENUATOR, TL2 TRUCK MOUNTED NCHRP 350 TL-2 | ALPHA 70K | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 10/10/96 | 1549 | A | TRUCK MTD. TESTED FOR IMPACT SPEEDS UP TO 45 MPH. FOLLOW THE MANUFACTURER'S INSTRUCTIONS. |
| 00225.12 | IMPACT ATTENUATOR, TL2 TRUCK MOUNTED NCHRP 350 TL-2 | RENCO REN-GARD 815 TMA | RENCO SUPPLY 512/251-2421 JML SERVICES 916/635-3054 | 06/10/04 | 2704 | A | FEDS OK'D TL-2 TESTING. |
| 00225.12 | IMPACT ATTENUATOR, TL-2 TEMPORARY MASH 2009 TL-2 RE-DIRECTIVE, NON GATING | QUADGUARD ELITE M10 (4 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 15' 7" |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY MASH 2009 TL-3 RE-DIRECTIVE, NON GATING | SCI100GM | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/377-9100 | 01/11/07 | 2907 | A | LOW MAINTENANCE UNIT. NARROW OR WIDE APPLICATIONS. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY MASH 2009 TL-3 RE-DIRECTIVE, NON GATING | QUADGUARD M10 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 05/14/12 | 4492 | Q | TESTED FOR SPEEDS UP TO 60 MPH WIDTHS 90",69", 36",30", 24" 22' LENGTH |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 | QUADGUARD II | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/09/09 | 3872 | A | TESTED FOR IMPACT SPEEDS UP TO 60 MPH. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 | QUEST 350 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 11/08/07 | 3138 | A | WATCH REPAIR COSTS. BETTER FOR LOW HIT AREAS. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 GATING, NON RE-DIRECTIVE | CRASHGARD | PLASTIC SAFETY SYSTEMS 800/662-6338 | 08/14/08 | 3478 | A | WATCH FOR INSERTS REQUIRED ON SOME UNITS. GET ARRAY LAYOUTS FROM THE MANUFACTURER. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 GATING, NON RE-DIRECTIVE | ENERGITE III | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 11/09/95 | 1297 | A | CHECK STANDARD DRAWINGS FOR ARRAY LAYOUT. TEMP APPS ONLY. TESTED FOR SPEEDS TO 60 MPH. |

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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------------------------------------|
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 GATING, NON RE-DIRECTIVE | FITCH SAND FILLED MODULES LABELED AS "UNIVERSAL MODULE" | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 06/10/93 | 1028 | A | CHECK STANDARD DRAWINGS FOR ARRAYS. TEMP APPS ONLY. TESTED FOR SPEEDS TO 60 MPH. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 NON-REDIRECTIVE | TRAFFIX DEVICES BIG SANDY | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 12/12/02 | 1850 | A | GET LAYOUT ARRAYS FROM THE MANUFACTURER. TEMP APPS ONLY. TESTED FOR SPEEDS TO 60 MPH. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | 2005 TRACC (TL-3) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 11/10/05 | 3153 | A | TESTED FOR IMPACT SPEEDS UP TO 100 KPH/60 MPH. 21' LONG. 30" WIDE. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | TRACC (TL-3) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 11/10/99 | 1902 | A | TESTED FOR IMPACT SPEEDS UP TO 100 KPH/60 MPH. 21' LONG. 32" WIDE. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | X-TENUATOR | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 05/12/11 | 4359 | A | TESTED FOR IMPACT SPEEDS UP TO 60 MPH NARROW APPLICATIONS |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | 2005 WIDETRACC (TL-3) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 01/12/06 | 3155 | A | TESTED FOR IMPACT SPEEDS UP TO 60 MPH. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | UNIVERSAL TAU-II (TL-3) | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 02/10/05 | 2961 | A | FHWA APPROVED - 8 BAY SYSTEM. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | WIDETRACC | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 04/10/03 | 2759 | A | TESTED FOR IMPACT SPEEDS UP TO 60 MPH. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY, NARROW APPS. NCHRP 350 TL-3, GATING IMPACT SPEED TO 60MPH | ABSORB 350 TL-3 | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 | 10/09/08 | 2336 | A | DESIGNED FOR FRONT OF QUICK BARRIER. OK FOR QUICK CHANGE AND REGULAR BARRIER. USE APPROVED FLUIDS NEAR WATER. |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|-------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY, NARROW APPS. NCHRP 350 TL-3, GATING NON RE-DIRECTING | ACZ-350 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/09/09 | 3854 | A | NOT ALLOWED ON PROJECTS AFTER JANUARY 2018 WATER FILLED |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY, NARROW SYSTEM NCHRP 350 TL-3 | QUADGUARD CZ | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 04/09/98 | 1572 | A | PERM. AND TEMP. INSTALLATIONS. RE DIRECTIVE AND NON-GATING. TESTED FOR IMPACT SPEEDS TO 60 MPH. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TEMPORARY, NARROW SYSTEM NCHRP 350 TL-3 | REACT 350 NARROW (TL3) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/10/95 | 1364 | A | TESTED FOR IMPACT SPEEDS UP TO 100 KPH/60 MPH. REQUIRES 8" THICK 4000PSI CONCRETE SLAB FOR ANCHOR. REDIRECT/NONGATING |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | ALPHA 100K | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/08/99 | 998 | A | NCHRP 350. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | MPS 350 III and MPS 350 X | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 05/08/97 | 1624 | A | TRUCK MTD. TESTED FOR IMPACT SPEEDS UP TO 100 KPH/60 MPH. FOLLOW MANUFACTURER'S INSTRUC. UNIT IS ONLY 4' WIDE. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | SAFE-STOP 180 TMA #9180 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 04/14/05 | 2920 | A | TESTED FOR IMPACT SPEEDS UP TO 100 KPH/60 MPH. FOLLOW MANUFACTURER'S INSTRUC. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | SAFE-STOP 180 TMA #9181 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 04/14/05 | 2892 | A | TESTED FOR IMPACT SPEEDS UP TO 100 KPH/60 MPH. FOLLOW MANUFACTURER'S INSTRUC. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | SAFE-STOP 180 TMA #9182 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/14/05 | 3148 | A | TESTED FOR IMPACT SPEEDS UP TO 60 MPH. FOLLOW MANUFACTURER'S INSTRUC. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | SAFE-STOP TMA - MODEL 8290 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/09/00 | 2200 | A | TESTED FOR IMPACT SPEEDS UP TO 100 KPH/60 MPH. FOLLOW MANUFACTURER'S INSTRUC. |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------------------------|
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | SAFE-STOP TMA - MODEL 8291 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/09/09 | 3902 | A | TESTED FOR IMPACT SPEEDS UP TO 60 MPH. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | SAFE-STOP TRAILER TMA | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/14/08 | 3262 | A | TRAILER MOUNTED. MUST USE SUPPORT TRUCKS APPROX 20K LBS GVW OR HIGHER. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | SCORPION C-10,000 | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 12/14/00 | 2313 | A | USES A CRUSHABLE ALUMINUM STRUT WITH BACKUP STRUCTURE AND A CARTRIDGE ASSEMBLY. TOTAL LENGTH: 140". |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | SCORPION TRAILER ATTENUATOR MODEL# 10002-TL-3 | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 08/14/08 | 3541 | A | TRAILER MOUNTED. MUST USE SUPPORT TRUCKS APPROX 20K LBS. GVW OR HIGHER. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | SS90 | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 26/13/ | 4562 | A | TESTED FOR IMPACT SPEEDS UP TO 60 MPH |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | TTMA-100 TRAILER TMA | GREGORY INDUSTRIES 330/477-4800 EXT 158 | 04/14/11 | 4353 | A | TRAILER MOUNTED. MUST USE SUPPORT TRUCKS APPROX 20K LBS GVW OR HIGHER. |
| 00225.12 | IMPACT ATTENUATOR, TL3 TRUCK MOUNTED NCHRP 350 TL-3 | VORTEQ TL-3 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/10/08 | 3644 | A | TRAILER MOUNTED. MUST USE SUPPORT TRUCKS APPROX 20K LBS GVW OR HIGHER. |
| 00225.12 | IMPACT ATTENUATOR, TL-3 TEMPORARY MASH 2009 TL-3 RE-DRECTIVE, NON GATING | QUADGUARD ELITE M10 (8 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 27' 1" |
| 00225.12 | TRAFFIC SEPARATOR, CURB SURFACE MOUNTED TEMPORARY | FG336 EFX TUBE 2 3X9 HI OR FG 300 CURB SYSTEM OR | PEXCO LLC - DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 08/01/11 | 4439 | A | |

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|------------------------|---------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------|
| 00225.12 | TRAFFIC SEPARATOR, CURB SURFACE MOUNTED TEMPORARY | FG336 PE TUBE 2 3X9 HI OR FG 300 CURB SYSTEM OR | PEXCO LLC - DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 08/01/11 | 4440 | A | |
| 00225.12 | TRAFFIC SEPARATOR, CURB SURFACE MOUNTED TEMPORARY | FG336 UR TUBE 2 3X9 HI OR FG 300 CURB SYSTEM OR | PEXCO LLC - DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 08/01/11 | 4441 | A | |
| 00225.12H | PEDESTRIAN CHANNELIZING DEVICE (PCD) | SAFETY WALL SW-3674 | PLASTIC SAFETY SYSTEMS INC 216/231/8590 | 06/13/11 | 4402 | A | |
| 00225.12H | PEDESTRIAN CHANNELIZING DEVICE (PCD) | STRONGWALL ADA PEDESTRIAN BARRICADE | PLASTICADE 800/772-0355 | 06/23/14 | 4748 | A | |
| 00225.12H | PEDESTRIAN CHANNELIZING DEVICE (PCD) | TPAR | PEXCO LLC- DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 06/10/13 | 4604 | A | |
| 00225.12H | PEDESTRIAN CHANNELIZING DEVICE (PCD) | YODOCK 2001 | YODOCK 888/496-3625 CORAL SALES 800/538-7245 | 01/26/12 | 4561 | A | |
| 00225.12H | PEDESTRIAN CHANNELIZING DEVICE (PCD) | YODOCK 2001M | YODOCK 888/496-3625 CORAL SALES 800/538-7245 | 06/11/13 | 2652 | A | |
| 00225.12J | BICYCLE CHANNELIZING DEVICE (BCD) | YODOCK 2001SL SLIMLINE CHANNELIZER | YODOCK 888/496-3625 CORAL SALES 800/538-7245 | 05/11/16 | 4659 | A | |
| 00225.13 | BEADS, TEMPORARY FOR TEMPORARY PAINT | BEADS | | 12/04/08 | | A | SEE SECTION 00850.10 TRAFFIC PAINT, BEADS. |

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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|----------------------------|------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------------------------------------------------|
| 00225.13 | MARKER, CONICAL TEMPORARY | WATCHTOWER STACKER CONE | PLASTICADE 800/772-0355 | 07/10/14 | 4800 | A | |
| 00225.13 | MARKER, TUBULAR TEMPORARY | ECOFLEX RB | HIGHWAY SAFETY PRODUCTS 800/228-1701 | 01/21/14 | 4687 | A | 28", 36" TALL HI SHEETING |
| 00225.13 | MARKER, TUBULAR TEMPORARY | KNOB TOP DELINEATOR POST | HIGHWAY SAFETY PRODUCTS 800/228-1701 | 01/21/14 | 4689 | A | 39", 42" TALL HI SHEETING |
| 00225.13 | MARKER, TUBULAR TEMPORARY | OPEN TOP DELINEATOR POST | HIGHWAY SAFETY PRODUCTS 800/228-1701 | 01/21/14 | 4688 | A | 39", 42" TALL HI SHEETING |
| 00225.13 | MARKERS, CONICAL TEMPORARY | C-42 6-4 HI WH 1ST-2ND / CB16 | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/377-9100 RA LUCAS 562/799-6160 | 06/10/10 | 4131 | A | 42" TALL. 16 POUND BASE. |
| 00225.13 | MARKERS, CONICAL TEMPORARY | C-42 6-4 HI WH 1ST-2ND / CB30 | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/669-0820 RA LUCAS 562/799-6160 | 06/10/10 | 4132 | A | 42" TALL. 30 POUND BASE. |
| 00225.13 | MARKERS, CONICAL TEMPORARY | GRABBER | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 06/08/95 | 1210 | A | 43" TALL, USE 16# BASE. STACKABLE. HANDLE ON TOP |
| 00225.13 | MARKERS, CONICAL TEMPORARY | GRABBER CONE 28" | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 11/14/96 | 1507 | A | 4" DIA. STACKABLE. THIS IS AN APPROVED CONICAL SHAPE. THE HEAVY 16# BASE IS REQ. 28" TALL. |
| 00225.13 | MARKERS, CONICAL TEMPORARY | NAVICADE TRAFFIC CHANNELIZING CONE | PLASTICADE 800/772-0355 | 07/27/12 | 4499 | A | USE 16# BASE NO LIGHT ATTACHMENT |

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JANUARY 2017 (AMENDED 2/24/2017)**

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| 00225.13 | MARKERS, CONICAL TEMPORARY | NAVIGATOR CHANNELIZER | PLASTIC SAFETY SYSTEMS 800/662-6338 TRAFFIC SAFETY 800/547-8518 | 04/14/05 | 2745 | A | LOW DENSITY POLYETHYLENE MINIMUM 16 POUND BASE. 42" TALL. |
| 00225.13 | MARKERS, CONICAL TEMPORARY | TD7200 MODEL 742585 RINGTOP CN | THREE D TRAFFIC WORKS 877/843-9757 | 04/14/05 | 2695 | A | BASE: TD8000 (22LB) |
| 00225.13 | MARKERS, CONICAL TEMPORARY | TD7500 MODEL 755273 RINGTOP SLIM LINE | THREE D TRAFFIC WORKS 877/843-9757 | 07/10/08 | 3666 | A | HAS 15 POUND OCTANGULAR BASE. 42" TALL |
| 00225.13 | MARKERS, CONICAL TEMPORARY | TD7500 MODEL 755585 RINGTOP SLIM LINE | THREE D TRAFFIC WORKS 877/843-9757 | 07/10/08 | 3446 | A | HAS 20 POUND RECTANGULAR BASE. 42" TALL |
| 00225.13 | MARKERS, CONICAL TEMPORARY | TEAR DROP STACKABLE CHANNELIZR MODEL: TD42-1-6/4W-15 | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 05/13/10 | 4101 | A | 42" TALL. APPROVED FOR 15 POUND OCTAGONAL BASE. |
| 00225.13 | MARKERS, CONICAL TEMPORARY | T-TOP STACKABLE CHANNELIZER MODEL SC42-1-6/4W-15 | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 01/14/10 | 2168 | A | 15 POUND BASE. 42" TALL |
| 00225.13 | MARKERS, TUBULAR BLUE TEMPORARY | TD5000-504315B 12 POUND BASE | THREE D TRAFFIC WORKS 877/843-9757 | 01/11/07 | 3207 | A | BLUE |
| 00225.13 | MARKERS, TUBULAR SURFACE MOUNTED | FLEXI-GUIDE 300 EFX MODEL: 8FG336FLOEFXODOT#1 | PEXCO LLC - DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 12/09/10 | 4214 | A | USE EPOXY ADHESIVE, NOT BUNDY. T-SHAPEED 36" FL ORANGE TUBE. USE ORANGE BASE. THE BLACK BASE IS WEAKER. |
| 00225.13 | MARKERS, TUBULAR SURFACE MOUNTED | SUPERDUCK | CARSONITE INC. 800/648-7916 TRAFFIC SAFETY 800/547-8518 | 06/08/00 | 70 | A | THE TUBES ARE REPLACEABLE AS IS THE REFLECTORIZED TAPE. CONFIRMED THAT IT MEETS OUR SPECS 6/2000. |

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| 00225.13 | MARKERS, TUBULAR SURFACE MOUNTED | TD5200-526859 (BOOMERANG) | THREE D TRAFFIC WORKS 877/843-9757 | 01/11/07 | 3011 | A | |
| 00225.13 | MARKERS, TUBULAR SURFACE MOUNTED 28" & 36" HEIGHT | DURAPOST | SAFE-HIT CORP. 888/323-6374 DAN MCCARTHY 760/295-2699 | 06/08/00 | 1182 | A | 100% URETHANE PLASTIC, PIN AT BASE HOLDS TOP ON. PRODUCT IS 3" DIA. |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | ARROWTOP DELINEATOR (28") MODEL LA28 01 2HN-12A | CUSTOM-PAK 563/242-1801 SDI 541/686-9844 | 02/10/11 | 4293 | A | THIS MODEL MET OUR SPECS. THE FIRST 28" MODEL WAS SHORT. 12 POUND RUBBER BASE. |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | ARROWTOP DELINEATOR (42") MODEL LA42 01 2HN-12 | CUSTOM-PAK 563/242-1801 SDI 541/686-9844 | 08/13/09 | 3900 | A | 12 POUND BASE. |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | BENT TUBULAR MARKER MODEL# D6-5 | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 05/01/88 | 1899 | A | |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | DELINEATOR TUBE DIAMOND TOP | JBC SAFETY 626/271-1980 | 01/28/15 | 4803 | A | 28" & 48" TALL USE 12# BASE |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | DELINEATOR TUBE N-TOP II | JBC SAFETY 626/271-1980 | 01/28/15 | 4802 | A | 28" & 48" TALL USE 12# BASE |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | GRABBER TUBE 28" | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 11/14/96 | 1505 | A | 4" DIA. NON STACKABLE. TUBULAR. |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | NAVIGATOR TUBE | PLASTIC SAFETY SYSTEMS 800/662-6338 TRAFFIC SAFETY 800/547-8518 | 07/13/00 | 2239 | A | TWO PIECE UNIT WITH HANDLE ON TOP. |

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| 00225.13 | MARKERS, TUBULAR TEMPORARY | PLASTICADE OPEN TOP DELINEATOR | PLASTICADE 800/772-0355 | 06/11/13 | 4660 | A | HI SHEETING |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | PLASTICADE THE CLAW DELINEATOR | PLASTICADE 800/772-0355 | 07/10/14 | 4799 | A | |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | TD5000-504315 12 POUND BASE | THREE D TRAFFIC WORKS 877/843-9757 | 01/11/07 | 3281 | A | ORANGE |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | TD5100 RING TOP DELIN. 507436 | THREE D TRAFFIC WORKS 877/843-9757 | 12/14/06 | 2691 | A | |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | T-TOP DELINEATOR POST MODEL DT7: 28", 36", 39" & 42" | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 11/16/00 | 2299 | A | APPROVED FOR LENGTHS ALLOWED IN THE SPECS. |
| 00225.13 | MARKERS, TUBULAR TEMPORARY | WATCHTOWER DELINEATOR 28" & 48" | PLASTICADE 800/772-0355 | 06/30/15 | 4914 | A | TYPE III OR HIGHER SHEETING |
| 00225.13 | PAINT, TEMPORARY FOR ASPHALT OR CONCRETE | PAINT | | 12/04/08 | | A | SEE SECTION 00860, TRAFFIC PAINT, STANDARD. |
| 00225.13 | PAVEMENT MARKER ADHESIVE TEMPORARY | PAVEMENT MARKER, TEMP, ADH | | 03/01/10 | | A | SEE SECTION 00855, PERMANENT PAVEMENT MARKER ADHESIVE. |
| 00225.13 | PAVEMENT MARKER, TEMPORARY | PAVEMENT MARKER, TEMPORARY | | 12/04/08 | | A | SEE SECTION 00855, PERMANENT PAVEMENT MARKERS. |

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| 00225.13 | PAVEMENT MARKER, FLEXIBLE TEMPORARY CHIPSEAL / OVERLAY MARKER | APEX MODEL 932 FLEXIBLE MARKER MODELS: 1-W, 1-Y, & 2-Y | APEX UNIVERSAL 562/944-8878 | 11/11/10 | 4176 | A | FOR ASPHALT TEMPS BELOW 325 DEGREES F. |
| 00225.13 | PAVEMENT MARKER, FLEXIBLE TEMPORARY CHIPSEAL / OVERLAY MARKER | TRPM DAVIDSON FLEXIBLE MARKER (TRPM OR TOM) | PEXCO LLC - DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 08/10/88 | 160 | A | FOR PAVEMENT MARKING PRIOR TO PERMANENT STRIPING. WITH AND W/O CLEAR COVER. REMOVE COVER. ASPHALT TEMPS UP TO 325 DEG F. |
| 00225.13 | PAVEMENT MARKER, FLEXIBLE TEMPORARY CHIPSEAL / OVERLAY MARKER | TRPM-HIGH HEAT FLEXIBLE MARKER (TRPM OR TOM) | PEXCO LLC - DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 10/14/10 | 4169 | A | FOR PAVEMENT MARKING PRIOR TO PERMANENT STRIPING. WITH AND W/O CLEAR COVER. REMOVE COVER. ASPHALT TEMPS OVER 325 DEG F. |
| 00225.13 | PLASTIC DRUMS TEMPORARY | B400A/LD4-4HI-TB | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/377-9100 HIGHWAY TECHNOLOGIES 503/234-0255 | 02/12/09 | 3548 | A | MUST USE TIRE RING BASE, THE RUBBER INSERTS ARE NOT OK. CATALOG# 2858 B400A 4-4HI TB |
| 00225.13 | PLASTIC DRUMS TEMPORARY | B500LC 4-6 HI/TB "LANE CHANGER" | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/377-9100 RA LUCAS 562/799-6160 | 01/13/11 | 4277 | A | MUST USE TIRE RING BASE, THE RUBBER INSERTS ARE NOT OK. |
| 00225.13 | PLASTIC DRUMS TEMPORARY | DIRECTOR DRUM LD | LAKESIDE PLASTICS 920/235-4513 TRAFFIC SAFETY SUPPLY COMPANY 800/547-8518 | 04/13/16 | 4950 | A | DIRECTOR BASE OR RUBBER TIRE BASE |
| 00225.13 | PLASTIC DRUMS TEMPORARY | LIFEGARD CHANNELIZER (LDPE) MODEL# LG-L/44HO | PLASTIC SAFETY SYSTEMS 800/662-6338 TRAFFIC SAFETY 800/547-8518 | 02/13/92 | 846 | A | USES RECYCLED TIRES FOR BASE. REQ HI SHEETING. LO DENSITY. MANUFACTURER IS RECOMMENDING USING 2 BASES FOR HIGH SPEEDS. |
| 00225.13 | PLASTIC DRUMS TEMPORARY | LIFEGARD II MODEL# LG2-L/44HO | PLASTIC SAFETY SYSTEMS 800/662-6338 TRAFFIC SAFETY 800/547-8518 | 08/12/04 | 2744 | A | LOW DENSITY REQUIRED. HI OR BETTER REQUIRED ON ALL DRUMS FOR JOBS BID AFTER JAN 1, 2005 |
| 00225.13 | PLASTIC DRUMS TEMPORARY | PLASTICADE ECONOCADE II TRAFFIC DRUM | PLASTICADE 800/772-0355 | 06/10/13 | 4661 | A | LOW DENISITY MODEL WITH HI SHEETING |

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| 00225.13 | PLASTIC DRUMS TEMPORARY | RHINO CHANNELIZER DRUM MODEL 454-LD-44-HI | PLASTICADE 800/772-0355 | 10/09/08 | 3426 | A | TIRE RING BASE(S) ONLY. |
| 00225.13 | PLASTIC DRUMS TEMPORARY | SUPERDOME DRUM SD-44H-0-LDTR WITH SDBTR TIRE RING BASE | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 08/13/09 | 3911 | A | HI SHEETING. THIS IS THE LOW DENSITY VERSION. THE TIRE RING BASE SUPPLIED BY BENT IS THE ONLY APPROVED BASE. |
| 00225.13 | PLASTIC DRUMS TEMPORARY | SUPERDOME DRUM SD-44H-LD NO TIRE RING VERSION. | BENT MANUFACTURING 714/842-0600 OR 888/842-0600 | 12/10/98 | 1529 | A | MIN BASE WT 25#. HI SHEETING. THIS IS LOW DENSITY VERSION. TIRE RING BASES ARE NOT APPROVED ON THIS UNIT (6/09). |
| 00225.13 | PLASTIC DRUMS TEMPORARY | TRAFFIC LOGIX CHANNELIZER DRUM 53242, 53241, 53262, 53261 | TRAFFIC LOGIX 866/915-6449 | 01/11/07 | 2992 | A | LDPE VERSION ONLY. |
| 00225.13 | PLASTIC DRUMS TEMPORARY | TRAFFIX CHANNELIZER 18044-LD-HI MODEL# 18044-LD-HI | TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTY 800/390-1113 JEFF PETERSON | 10/04/90 | 568 | A | USE LOW DENSITY TYPE, BUT HIGH DENSITY VERSION LOOKS SIMILAR. SAN-FIL OR TIRE BASE. DENSITY ON BARREL. HI SHEETING REQD. |
| 00225.13 | REFLECTIVE SHEETING-BARRI ASTM D4956-TYPE III PRISMATIC | AURA 150 | AURA OPTICAL SYSTEMS, L.P. 801/668-3439 | 06/10/13 | 4610 | A | FOR BARRICADES |
| 00225.13 | REFLECTIVE SHEETING-BARRI ASTM D4956-TYPE III/VI PRISMATIC | 3-M SERIES 334/336 | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/08/06 | 2951 | A | FOR BARRICADES. PLASTIC TYPES NEED SPECIAL PREP APPROVED BY 3-M PRIOR TO SHEETING INSTALLATION. |
| 00225.13 | REFLECTIVE SHEETING-BARRI ASTM D4956-TYPE IV. PRISMATIC | AVERY DENNISON W-6100 & W-6200 | AVERY DENNISON 800/327-5917 | 06/11/09 | 2348 | A | PRISMATIC - TYPE IV. W-6100: PLASTIC; W-6200: WOOD |
| 00225.13 | REFLECTIVE SHEETING-DRUMS ASTM D4956 TYPE IV PRISMATIC | ORALITE RESILIENCE CHANNELIZER | ORAFOL 860/676-7100 BROOK JERZYK 860/676-7100 | 07/25/12 | 4510 | A | FOR TUBES AND DRUMS WAS REFLEXITE RESILIENT C86 WHITE & FLUORESENT ORANGE |

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| 00225.13 | REFLECTIVE SHEETING-DRUMS ASTM D4956 TYPE IV. PRISMATIC | HI IMPACT CHANNELIZER TAPE | ORAFOL 860/676-7100 BROOK JERZYK 860/676-7100 | 01/11/07 | 1748 | A | |
| 00225.13 | REFLECTIVE SHEETING-DRUMS ASTM D4956-TYPE III ENCAPSULATED LENS (BEADED) | 3-M SERIES 3810/3814 | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/08/06 | 2589 | A | FOR TUBES AND DRUMS ONLY. |
| 00225.13 | REFLECTIVE SHEETING-DRUMS ASTM D4956-TYPE III. MICRO PRISMATIC | AVERY DENNISON WR6100 & WR6104 | AVERY DENNISON 800/327-5917 | 05/13/10 | 3589 | A | WHITE: WR6100; ORANGE: WR6104. DESIGNED FOR REBOUNDABLE SUBSTRATES. UPDATED 03/14 |
| 00225.13 | REFLECTIVE SHEETING-TUBES FOR TUBULAR MARKERS | ORALITE CONFORM-A-LIGHT DELINEATION SHEETING | ORAFOL 860/676-7100 BROOK JERZYK 860/676-7100 | 12/09/99 | 1747 | A | WAS NAMED REFLEXITE |
| 00225.13 | REFLECTIVE SHEETING-TUBES FOR TUBULAR MARKERS PRISMATIC | ORALITE RESILIENCE CHANNELIZER | ORAFOL 860/676-7100 BROOK JERZYK 860/676-7100 | 07/25/12 | 4510 | A | FOR TUBES AND DRUMS WAS REFLEXITE RESILIENT C86 WHITE & FLUORESENT ORANGE |
| 00225.13 | TAPE, NON-REFLECTIVE TEMPORARY, REMOVABLE | 3-M A145 REMOVABLE BLACK TAPE | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 12/09/04 | 1411 | A | BLACK REMOVABLE TAPE. DOES NOT HAVE BEADS. SURFACE NEEDS TO BE CLEAN, DRY, AND WARM. CHECK MUTCD FOR APPLICABILITY. |
| 00225.13 | TAPE, NON-REFLECTIVE TEMPORARY, REMOVABLE | 3-M SERIES 715 Temporary Tape | 3-M COMPANY TSSD 800/553-1380 503/309-9160 | 07/20/12 | 4484 | A | |
| 00225.13 | TAPE, NON-REFLECTIVE TEMPORARY, REMOVABLE | ATM 280 | ADVANCED TRAFFIC MARKINGS 252/536-2574 ALPINE PRODUCTS 253/351-9828 RAELEEN LUCAS 562/799-6160 | 11/10/05 | 2799 | A | BLACK NON-REFLECTIVE TAPE. |
| 00225.13 | TAPE, NON-REFLECTIVE TEMPORARY, REMOVABLE | DELTALINE BTR | BRITE-LINE TECH: 888/375-1293 TAPE: GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 05/12/05 | 2838 | A | BLACK NON-REFLECTIVE TAPE. |

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QUALIFIED PRODUCTS LIST
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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|-----------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------------|
| 00225.13 | TAPE, TEMPORARY NON-REMOVABLE | FOL 200 CONSTRUCTION GRADE | FOL TAPE 888/365-8273 | 08/08/07 | 80 | A | EVALUATED ON PAVEMENT MARKING TEST PROJECT, SALEM PARKWAY 4" X 300 FEET. FOIL BACKED. MUST BE DRY! |
| 00225.13 | TAPE, TEMPORARY NON-REMOVABLE | FOL 300 WET REFLECTIVE | FOL TAPE 888/365-8273 | 08/08/07 | 1162 | A | EVALUATED ON PAVEMENT MARKING TEST PROJECT, SALEM PARKWAY 4" X 150 FEET. LARGER BEADS THAN FLEX-O-LINE 200. FOIL BAK |
| 00225.13 | TAPE, TEMPORARY REMOVABLE | 3-M SERIES 780WR / 781WR WHITE: 780WR, YELLOW: 781WR. | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 07/10/08 | 3366 | A | HAS WET WEATHER ATTRIBUTES. |
| 00225.13 | TAPE, TEMPORARY REMOVABLE | BRITE-LINE 100 | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 08/10/06 | 788 | A | VERY STRONG. TEMP MUST BE 60F & UP WITH CLEAN, DRY SURFACE. TAPE PULLED STRAIGHT UP TO REMOVE, NO HEAT, SOLVENTS, ETC. |
| 00225.13 | TAPE, TEMPORARY REMOVABLE | BRITE-LINE DELTALINE TWR | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 10/14/10 | 4105 | A | |
| 00225.13 | TAPE, TEMPORARY REMOVABLE | DIRECTOR 2WR | SWARCO INDUSTRIES 931/388-5900 MARK COLOMBO: 314/729-7197 MFG: 254/562-9879 TECH: 314/729-7197 | 08/13/09 | 3920 | A | PROMISES WET WEATHER RETRO. |
| 00225.13 | TAPE, TEMPORARY TEMPORARY, REMOVABLE | 3-M SERIES 710,711 Temporary Tape | 3-M COMPANY TSSD 800/553-1380 503/309-9160 | 07/20/12 | 4484 | A | |
| 00225.13I | TRANSVERSE RUMBLE STRIPS TEMPORARY | ROADQUAKE 2 TEMPORARY PORTABLE RUMBLE STRIP | PLASTIC SAFETY SYSTEMS 216/244-3207 | 07/27/12 | 4489 | A | SPEEDS OF 65MPH OR LESS |
| 00225.13I | TRANSVERSE RUMBLE STRIPS TEMPORARY | ROADQUAKE 2F FOLDING PORTABLE RUMBLE STRIP | PLASTIC SAFETY SYSTEMS 216/244-3207 | 03/18/14 | 4749 | A | SPEEDS OF 75MPH OR LESS |

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| 00225.13I | TRANSVERSE RUMBLE STRIPS TEMPORARY | RUMBLE TOUGH | TRINITY HIGHWAY PRODUCTS, LLC MIKE MADDEN 800/772-7976 CORAL SALES 800/538-7245 DON GRIPNE 360/943-9559 | 04/21/15 | 4878 | A | SPEEDS OF 75MPH OR LESS |
| 00225.15 | TRAFFIC SIGNAL, PORTABLE TRAILER MOUNT | ADDCO PTS-2000 | ADDCO 651/488-8600 DAVID BERKMAN 206/369-5683 TRAFFIC SAFETY 800/547-8518 | 01/12/06 | 1586 | Q | PROJECT MUST INCLUDE SPECS FOR PORTABLE SIGNALS. APPROVAL NEEDED PRIOR TO USE. |
| 00225.15 | TRAFFIC SIGNAL, PORTABLE TRAILER MOUNT | HORIZON SQ-3TS | HORIZON SIGNAL 800/852-8796 HIWAY SPECIALTIES 503/390-1113 | 01/12/06 | 2646 | Q | PROJECT MUST INCLUDE SPECS FOR PORTABLE SIGNALS. APPROVAL NEEDED PRIOR TO USE. |
| 00225.15 | TRAFFIC SIGNAL, PORTABLE TRAILER MOUNT | MODEL PTL 2.4X | NORTH AMERICA TRAFFIC 877/352-4626 | 10/09/08 | 3683 | Q | PROJECT MUST INCLUDE SPECS FOR PORTABLE SIGNALS. APPROVAL NEEDED PRIOR TO USE. |
| 00225.15 | TRAFFIC SIGNAL, PORTABLE TRAILER MOUNT | RC FLAGMAN PTL 2.4 | NORTH AMERICA TRAFFIC 877/352-4626 | 02/08/07 | 3297 | Q | PROJECT MUST INCLUDE SPECS FOR PORTABLE SIGNALS. APPROVAL NEEDED PRIOR TO USE. |
| 00225.16 | OVERHEIGHT VEHICLE WARNER | SAFETY PASS SP-D12 | ASTI TRANSPORTATION SYSTEMS 302/328-3220 | 06/14/07 | 3283 | A | PCMS DEVICES CONNECTED TO THIS DEVICE MUST BE FROM QPL. |
| 00225.16 | OVERHEIGHT VEHICLE WARNER | TRIGG VEHICLE DETECTION & WARNING | TRIGG VEHICLE DET. & WARNING 757/223-7522 | 10/12/95 | 1362 | A | THIS IS A SINGLE OR DOUBLE BEAM WARNING DEVICE WITH AN AUDIBLE AND VISUAL WARNING. ATTACHED PCMS MUST BE ON QPL. |
| 00225.16 | PCMS / PVMS - TRAILER | SOLAR MESSAGE CENTER SMC 1000ST | WORK AREA PROTECTION (SCI) 800/327-4417 RA LUCAS 562/799-6160 | 09/12/12 | 4517 | A | 2012 DEMO |
| 00225.16 | PCMS / PVMS - TRAILER 3 LINE 8 CHARACTERS LED | CMS T-331 | AMERICAN SIGNAL 770/448-6650 TIM PAULINO - EXT 12 | 09/12/12 | 4515 | A | 2012 DEMO |

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| 00225.16 | PCMS / PVMS - TRAILER 3 LINE DISPLAY | WTLMB (A) | WANCO, INC. 800/972-0755 | 09/12/12 | 4519 | A | 2012 DEMO |
| 00225.16 | PCMS / PVMS - TRAILER FULL MATRIX LED | CMS T-333 | AMERICAN SIGNAL 770/448-6650 TIM PAULINO - EXT 12 | 09/12/12 | 4516 | A | 2012 DEMO |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 3 LED'S PER PIXEL | SILENT MESSENGER MB-1548-OR | SOLAR TECHNOLOGY 800/475-5442 JOHN HAYES 484/223-4974 SALES 610/391-8603 TECH SUPPORT: 610/391-8600 | 01/12/06 | 3217 | A | PASSED 10/6/05 DEMO. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 3 LED'S PER PIXEL | SILENT MESSENGER MB-3048-OR | SOLAR TECHNOLOGY 800/475-5442 JOHN HAYES 484/223-4974 SALES 610/391-8603 TECH SUPPORT: 610/391-8600 | 10/10/02 | 2655 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 3 LED'S PER PIXEL | SILENT MESSENGER MB-4048-OR | SOLAR TECHNOLOGY 800/475-5442 JOHN HAYES 484/223-4974 SALES 610/391-8603 TECH SUPPORT: 610/391-8600 | 01/12/06 | 2190 | A | PASSED 3/14/00 DEMO. DID NOT ATTEND DEMO 9/24/02. PASSED 10/6/05 DEMO. OKAY TO USE. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | ADDCO DH-1000-ALS LED-ODOT | ADDCO 651/488-8600 DAVID BERKMAN 206/369-5683 TRAFFIC SAFETY 800/547-8518 | 10/10/02 | 1649 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | CMS T-331-1B W/AIMSTAR | AMERICAN SIGNAL 770/448-6650 TIM PAULINO - EXT 12 | 10/10/02 | 2665 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | CMS T-333-1C W/AIMSTAR | AMERICAN SIGNAL 770/448-6650 TIM PAULINO - EXT 12 | 10/10/02 | 2666 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | SUNRAY 390 - 2165033 | NATIONAL SIGNAL 888/994-0300 | 12/10/09 | 3227 | A | PASSED 10/6/05 DEMO. |

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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
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| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | SUNRAY SOLAR 380 - 2165650 | NATIONAL SIGNAL 888/994-0300 | 12/10/09 | 2663 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | VANGUARD VP-1300-3X8-18-A | DAKTRONICS 888/325-8766 | 01/12/06 | 3215 | A | PASSED DEMO ON 10/6/05. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | VER-MAC PCMS 1210-22 | VER-MAC 888/488-7446 | 01/12/06 | 3222 | A | PASSED DEMO ON 10/6/05. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | VER-MAC PCMS 1210OR | VER-MAC 888/488-7446 | 06/10/04 | 2983 | A | IMPROVED VERSION. PASSED DEMO PERFORMED BY TRAFFIC SECTION. PLACED ON ODOT BID #9223 4/04. MATCH MODEL # EXACTLY! |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | VER-MAC PCMS 1210QS | VER-MAC 888/488-7446 | 01/12/06 | 3174 | A | PASSED DEMO ON 10/6/05. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | WANCO WTMMB-SLL (A)-08 | WANCO, INC. 800/972-0755 | 07/09/09 | 3861 | A | OFFICIAL DEMO: 5-20-09 OK. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL | WTLMB-S-LL(A) | WANCO, INC. 800/972-0755 | 10/10/02 | 2669 | A | FAILED 3/00 DEMO, BUT PASSED 9/24/02 DEMO. OKAY TO USE. |
| 00225.16 | PCMS / PVMS - TRAILER SOLAR - HYBRID W/2 LED'S | ADDCO DH-1000-SLD LED-ODOT | ADDCO 651/488-8600 DAVID BERKMAN 206/369-5683 TRAFFIC SAFETY 800/547-8518 | 10/10/02 | 1180 | A | FLUORESCENT FLIP DISCS W/LEDS. FAILED EARIER DEMOS, BUT PASSED THE 9-24-02 DEMO. |
| 00225.16 | PCMS / PVMS - TRUCK 2 LINES-3 LED'S PER PIXEL | LITEREADER 1020A-3 | LITESYS INC. / INTELICOM, INC. 406/388-9317 | 10/10/02 | 2660 | A | PASSED 9/24/02 DEMO. |

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| 00225.16 | PCMS / PVMS - TRUCK 2 LINES-4 LED'S PER PIXEL | ADDCO 2 LINE #VM-4X2H | ADDCO 651/488-8600 DAVID BERKMAN 206/369-5683 | 09/09/10 | 3862 | A | FAILED 5/20/09 DEMO, BUT AFTER A CLOSER LOOK IT WAS APPROVED. |
| 00225.16 | PCMS / PVMS - TRUCK 2 LINES-4 LED'S PER PIXEL | LITEREADER 1020A-4 | LITESYS INC. / INTELICOM, INC. 406/388-9317 | 10/10/02 | 2263 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRUCK 2 LINES-4 LED'S PER PIXEL | LITEREADER 1020A-W | LITESYS INC. / INTELICOM, INC. 406/388-9317 | 10/10/02 | 2659 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRUCK 2 LINES-4 LED'S PER PIXEL | LITEREADER 1020F-4W-1 | LITESYS INC. / INTELICOM, INC. 406/388-9317 | 04/13/06 | 3219 | A | PASSED 3/23/06 DEMO. IT IS A MODIFIED VERSION OF 1020F-4W. |
| 00225.16 | PCMS / PVMS - TRUCK 2 LINES-4 LED'S PER PIXEL | TM-248 | WANCO, INC. 800/972-0755 | 10/10/02 | 2673 | A | PASSED 9/24/02 DEMO. PRODUCTION CEASED: PRIOR TO 3/30/11. |
| 00225.16 | PCMS / PVMS - TRUCK 2 LINES-4 LED'S PER PIXEL | WMRTP-2 | WANCO, INC. 800/972-0755 | 10/10/02 | 2668 | A | PASSED 9/24/02 DEMO. PRODUCT LINE DISCONTINUED IN 2004. |
| 00225.16 | PCMS / PVMS - TRUCK 3 LINES-3 LED'S PER PIXEL | LITEREADER 1030A-3 | LITESYS INC. / INTELICOM, INC. 406/388-9317 | 10/10/02 | 2662 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRUCK 3 LINES-3 LED'S PER PIXEL | SILENT MESSENGER MB-722-448 | SOLAR TECHNOLOGY 800/475-5442 JOHN HAYES 484/223-4974 SALES 610/391-8603 TECH SUPPORT: 610/391-8600 | 10/10/02 | 2656 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRUCK 3 LINES-4 LED'S PER PIXEL | ADDCO 3 LINE #VM-6X2V | ADDCO 651/488-8600 DAVID BERKMAN 206/369-5683 | 07/09/09 | 3863 | A | OFFICIAL DEMO 5/20/09: OK. |

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| 00225.16 | PCMS / PVMS - TRUCK 3 LINES-4 LED'S PER PIXEL | LITEREADER 1030A-4 | LITESYS INC. / INTELICOM, INC. 406/388-9317 | 10/10/02 | 2577 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRUCK 3 LINES-4 LED'S PER PIXEL | LITEREADER 1030A-W | LITESYS INC. / INTELICOM, INC. 406/388-9317 | 10/10/02 | 2661 | A | PASSED 9/24/02 DEMO. |
| 00225.16 | PCMS / PVMS - TRUCK 3 LINES-4 LED'S PER PIXEL | LITEREADER 1030F-4W-1 ID# 3221A | LITESYS INC. / INTELICOM, INC. 406/388-9317 | 04/09/09 | 3221 | A | PAPERWORK LOOKS OKAY, DEMO ON 3/9/09. MODIFIED VERSION OF 1030F-4W TO CORRECT PROBLEMS. |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C" | ARROWMASTER PROLINE 25 LIGHT | WORK AREA PROTECTION (SCI) 800/327-4417 RA LUCAS 562/799-6160 | 09/12/12 | 4522 | A | 2012 DEMO |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". | ADDCO AB-25 | ADDCO 651/488-8600 DAVID BERKMAN 206/369-5683 TRAFFIC SAFETY 800/547-8518 | 07/09/09 | 3665 | A | PAPERWORK LOOKS OK, DEMO WAS OKAY ON 5-20-09. |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". | ARO-LITE CURVE - 2165652 | NATIONAL SIGNAL 888/994-0300 | 07/09/09 | 3867 | A | OFFICAL DEMO: 5/20/09 - OK. |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". | VER-MAC ST4825 | VER-MAC 888/488-7446 | 08/11/05 | 3000 | A | PASSED DEMO 2011 |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". | WANCO WTSP 75-LSAC-08 | WANCO, INC. 800/972-0755 | 07/09/09 | 3860 | A | OFFICIAL DEMO: 5-20-09 OK. |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". | WECO SOLAR ARROW BOARD | WANCO, INC. 800/972-0755 | 09/12/12 | 4521 | A | 2012 DEMO |

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| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". HALOGEN/LED, SOLAR POWER | ECLIPSE 2200/SE APF | ALLMAND BROTHERS 800/562-1373 WRIGHT-LANSDON CO 503/659-7635 | 01/13/00 | 1949 | A | BOTH LED AND HALOGEN NEED TO BE 590 NM (AMBER). |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". LED - SOLAR | ARO-LITE 100 WATT 25-M-100 | NATIONAL SIGNAL 888/994-0300 WES YOCCKEY 503/324-7213 | 11/08/01 | 2246 | A | LED - SOLAR POWER. 25 LIGHT VERSION. DEMO TEST-OK 10/17/01 MODEL # IMPORTANT TO VERIFY. PRODUCTION CEASED: 2/27/09 |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". LED, SOLAR POWERED | AMIDA DLSE 25 LA | TEREX AMIDA 803/324-3011 FRED UNSWORTH 707/996-9650 FORESS SIGNS 541/928-5858 | 09/14/00 | 2304 | A | OK FOR LEGIBILITY AT 1 MILE. PRODUCTION CEASED: PRIOR TO 3/30/11. |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". LED, SOLAR POWERED | ARROWMASTER IV MODEL# WAAW 25SB | WORK AREA PROTECTION (SCI) 800/327-4417 | 06/11/98 | 1571 | A | LED - SOLAR POWER. 25 LIGHT VERSION. PRODUCTION CEASED: PRIOR TO 3/30/11 |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". LED, SOLAR POWERED | SILENT SENTINEL | SOLAR TECHNOLOGY 800/475-5442 JOHN HAYES 484/223-4974 SALES 610/391-8603 TECH SUPPORT: 610/391-8600 | 01/14/93 | 932 | A | SOLAR POWERED ARROWBOARD. IT WILL DO A CHEVRON AND APPEARS TO BE OK FOR OREGON'S CLIMATE. LED'S ADDED 11/97. |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". LED, SOLAR POWERED | SUN-UP SOLAR ARROW PANEL MODEL 100 | NATIONAL SIGNAL 888/994-0300 888/994-0300 DIST: CANTEL OF MEDFORD JOHN HUGHES, 541/773-2765 | 12/10/98 | 1801 | A | UNIT IS SOLAR POWERED ELECTRONIC FLASHING ARROW. PRODUCTION CEASED: 7/0/09. |
| 00225.16 | SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". LED, SOLAR POWERED | WANCO WTSP110-LSAC | WANCO, INC. 800/972-0755 | 11/16/00 | 2331 | A | FIELD DEMO: 10/24/00 - OK FOR LEGIBILITY AT 1 MILE. LED LENS. |
| 00225.16C | SMART WORK ZONE SYSTEM VENDOR | ASTI | ASTI TRANSPORTATION SYSTEMS 302/328-3220 | 09/09/10 | 4071 | A | ELEVATED, TRAILER-MOUNTED, MICROWAVE / BLUETOOTH SENSORS. |
| 00225.16C | SMART WORK ZONE SYSTEM VENDOR | ICONE | ICONE PRODUCTS 315/626-6800 | 05/12/11 | 3674 | A | GROUND-MOUNTED, DOPPLER RADAR SENSORS WITHIN PORTABLE TRAFFIC DRUMS. |

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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|------------------------------------|-----------------------------------|-------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------|
| 00225.16C | SMART WORK ZONE SYSTEM VENDOR | JAMLOGIC PTS | VER-MAC 888/488-7446 | 08/11/11 | 4075 | A | ELEVATED, TRAILER-MOUNTED, DOPPLER/ MICROWAVE/ BLUETOOTH SENSORS. |
| 00225.17 | FLAGGER STATION LIGHTING TEMPORARY | FLEX 4000 WATT | AIRSTAR SPACE LIGHTING 800/217-9001 X3 | 12/21/12 | 4584 | A | ONLY TWO METAL HALIDE LIGHTS ENERGIZED FOR FLAGGER LIGHTING |
| 00225.17 | FLAGGER STATION LIGHTING TEMPORARY | GLOBUG - MODEL GB2000 LIGHT TOWER | MULTIQUIP 800/421-1244 CESSCO 800/882-4959 | 12/14/15 | 4854 | A | ONLY THE BALLOON LIGHT WILL BE ENERGIZED FOR FLAGGER LIGHTING |
| 00225.17 | FLAGGER STATION LIGHTING TEMPORARY | MAGNUM MLT3060DOT | MAGNUM PRODUCTS 800/926-9768 UNITED RENTALS 920/279-6366 | 08/13/09 | 3933 | A | TRAILER MOUNTED. HAS BOTH FLAGGER & CONSTRUCTION LAMPS. THE HI POWER LAMPS ARE NOT FOR FLAGGER STATIONS. |
| 00225.17 | FLAGGER STATION LIGHTING TEMPORARY | MAGNUM MLT4060DOT | MAGNUM PRODUCTS 800/926-9768 UNITED RENTALS 920/279-6366 | 08/13/09 | 3934 | A | TRAILER MOUNTED. HAS BOTH FLAGGER & CONSTRUCTION LAMPS. THE HI POWER LAMPS ARE NOT FOR FLAGGER STATIONS. |
| 00225.17 | FLAGGER STATION LIGHTING TEMPORARY | MOON-GLO LIGHT TOWER CONVERSION | MOON-GLO WORK LIGHT Tom Schuh 503/931-3650 | 12/21/12 | 4585 | A | ONLY THE BALLOON LIGHT WILL BE ENERGIZED FOR FLAGGER LIGHTING |
| 00225.17 | FLAGGER STATION LIGHTING TEMPORARY | MOON-GLO WORK LIGHT 1000 | MOON-GLO WORK LIGHT TOM SCHUH 503/931-3650 | 10/14/10 | 4212 | A | TRAILERS RECONDITIONED TO MEET OUR SPEC, AT HIS FACILITY. 1000 WATT BT37 METAL HALIDE LAMPS. |
| 00225.17 | FLAGGER STATION LIGHTING TEMPORARY | MOON-GLO WORK LIGHT 2000 | MOON-GLO WORK LIGHT TOM SCHUH 503/931-3650 | 10/14/10 | 4213 | A | TRAILERS RECONDITIONED TO MEET OUR SPEC, AT HIS FACILITY. 1000 WATT BT37 METAL HALIDE LAMPS. |
| 00225.17 | FLAGGER STATION LIGHTING TEMPORARY | TUBELIGHT LIGHT TOWER | MAGNUM PRODUCTS 800/926-9768 UNITED RENTALS 920/279-6366 | 01/21/14 | 4673 | A | TRAILER MOUNTED. HAS DIFFUSE LIGHT FOR FLAGGER & CONSTRUCTION LAMPS. CONSTRUCTION LAMPS ARE NOT FOR FLAGGER STATIONS. |

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| 00225.17 | FLAGGER STATION LIGHTING TEMPORARY MASH (2009) TL-3 | AIRSTAR SPACE GLOBE LIGHTING STAND TRIPOD MOUNTING SYSTEM | AIRSTAR 407/851-7830 TSS 503/235-8531 HS LLC 503/390-1113 | 10/22/16 | 4916 | A | TRIPOD MOUNTED. BOTTOM OF LIGHT MIN 15' ABOVE GROUND |
| 00225.18 | AFAD - RED & YELLOW LENS | AUTOMATED FLAGGER AF-100 | Synergy Technology, LLC 704/849-7891 Far West Inc. 503/430-1407 | 08/20/12 | 4512 | A | REMOTE CONTROL FLAGGER DEVICE. HAS ARM THAT COMES DOWN. 2 LITE SIGNAL HEAD. RED/YELLOW TRAILER MOUNTED/2 Trailer Tow |
| 00225.18 | AFAD - RED & YELLOW LENS | INTELLISTROBE W1-AG | INTELLISTROBE 417/883-7720 | 02/12/09 | 3125 | A | TRIPOD MOUNTED UNIT. HAS ARM THAT COMES DOWN. 2 LITE SIGNAL HEAD. RED/YELLOW |
| 00225.18 | AFAD - RED & YELLOW LENS | INTELLISTROBE W1-AG/TM | INTELLISTROBE 417/883-7720 | 02/12/09 | 3362 | A | REMOTE CONTROL FLAGGER DEVICE. HAS ARM THAT COMES DOWN. 2 LITE SIGNAL HEAD. RED/YELLOW TRAILER MOUNTED. |
| 00225.18 | AFAD - RED & YELLOW LENS | RC FLAGMAN RCF 2.4 | NORTH AMERICA TRAFFIC 877/352-4626 | 02/12/09 | 2984 | A | REMOTE CONTROL FLAGGER DEVICE. HAS ARM THAT COMES DOWN. 2 LITE SIGNAL HEAD. RED/YELLOW TRAILER MOUNTED |
| 00225.18 | RADAR SPEED TRAILER TYPE I | 18" DRIVER FEEDBACK TRAILER SYSTEM | MOR MANUFACTURING 208/770-3101 CORAL SALES 503/655-6351 | 03/12/15 | 4875 | A | DEMO 3/12/15 |
| 00225.18 | RADAR SPEED TRAILER TYPE II | FULL MATRIX DRIVER FEEDBACK TRAILER | FORTEL TRAFFIC 714/701-9800 CORAL SALES 503/655-6351 | 06/16/16 | 4942 | A | DEMO 6/16/16 |
| 00225.18 | RADAR SPEED TRAILER TYPE II | PRODIGY 33L PACESETTER | MONITOR SYSTEMS 888/819-7023 4S SIGN, LLC 541/928-5858 | 02/13/14 | 4700 | A | DEMO 2/13/14 |
| 00225.27 | FLAGGER STOP/SLOW PADDLE FLASHING | BLINKER PADDLE | TAPCO 800/236-0112 TRAFFIC SAFETY 800/547-8518 | 08/14/05 | 3008 | A | HAS LIGHTS AROUND THE PERIMETER ON BOTH SIDES. |

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| 00225.27 | FLAGGER STOP/SLOW PADDLE LIGHTED - HAND HELD | TRAFF-ALERT 18 (TA18AXTP) | SAFECO 480/290-5220 | 04/08/10 | 4097 | A | HAND HELD UNIT. |
| 00225.27 | FLAGGER STOP/SLOW PADDLE LIGHTED - POLE MOUNTED | TRAFF-ALERT 18 (TA18AX6SP) | SAFECO 480/290-5220 | 04/08/10 | 4099 | A | POLE MOUNTED. |
| 00225.27 | FLAGGER STOP/SLOW PADDLE ROLL-UP, NON-FLASHING EMERGENCY USE ONLY | FAN-A-SIGN MODEL MR18 | SPORTNIKS, INC. 505/508-1901 | 04/11/02 | 2471 | A | MARATHON SHEETING. MUST HAVE SNAP ON HANDLE TO BE SEMI-RIGID. FOR EMERGENCY USE ONLY. |
| 00225.27 | FLAGGER STOP/SLOW PADDLE ROLL-UP, NON-FLASHING EMERGENCY USE ONLY | STOP SLOW PADDLE DG, ROLL-UP | PACIFIC SAFETY SUPPLY RYAN SCHURR 800/344-5641 | 04/13/00 | 1922 | A | USES 3-M DIAMOND GRADE SHEETING. PASSED RETRO TESTS. FOR EMERGENCY USE ONLY. DURABILITY MAY BE A QUESTION. |
| 00280.00 | OUTLET PROTECTION- TYPE 3 FLOCCULENT | CHITOVAN LIQUID (ACETATE) 1% | DUNGENESS ENVIRONMENTAL 206/730-5370 ACF WEST 800/878-5115 CSI GEOSYNTHETICS 800/426-7976 | 09/11/10 | 3837 | A | |
| 00280.00 | OUTLET PROTECTION- TYPE 3 FLOCCULENT | HYDROPAM | EVONIK STOCKHAUSEN336/335-3871 INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/11/10 | 1854 | A | |
| 00280.00 | OUTLET PROTECTION- TYPE 3 FLOCCULENT | STORMKLEAR GEL-FLOC | HALOSOURCE 425/974-1969 CSI 800/426-7976 ACF WEST 503/771-5115 | 08/14/03 | 2594 | A | DESIGNED TO REMOVE SUSPENDED SOILS AND METALS. MUST BE USED WITH SAND FILTER OR BIO-FILTRATION. |
| 00280.00 | OUTLET PROTECTION- TYPE 3 FLOCCULENT | STORMKLEAR LIQUI-FLOC | HALOSOURCE 425/974-1969 CSI 800/426-7976 ACF WEST 503/771-5115 | 08/14/03 | 2595 | A | DESIGNED TO REMOVE SUSPENDED SOILS AND METALS. MUST BE USED WITH SAND FILTER OR BIO-FILTRATION. |
| 00280.00 | OUTLET PROTECTION -TYPE 3 | HYDROPAM L | EVONIK STOCKHAUSEN336/335-3991 INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/11/10 | 3969 | A | |

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| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 | AIRTROL GEOBINDER | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 HANES GEO COMPONENTS 800/324-4595 | 07/09/09 | 3905 | A | |
| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 | DUST ARMOUR | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 | 07/09/09 | 3904 | A | |
| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 | DUST STOP | CYPHER INTERNATIONAL LTD. 204/489-1214 | 01/10/08 | 3173 | A | MFG CLAIMS NATURAL POLYSACCHARIDES. |
| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 | DUSTFLOC | FIBER MARKETING 800/426-6002 | 04/09/09 | 3268 | A | |
| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 | ENVIROPAM L | INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/10/11 | 4318 | A | WAS NAMED HYDRAPAM |
| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 | HYDROPAM | EVONIK STOCKHAUSEN336/335-3871 INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/11/10 | 1854 | A | |
| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 | NATURESOWN TRIPLE TAC | HAMILTON MANUFACTURING 208/733-9689 | 02/10/11 | 4201 | A | |
| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 | NATURESOWN X9000 | HAMILTON MANUFACTURING 208/733-9689 | 02/10/11 | 4204 | A | AGRICULTURAL FIBERS AND WOOD CELLULOSE FIBERS. HYDR APPLIED POLYMER BASED TAC |
| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 | PAM 12 | ENCAP 877/405-5050 MEADOWLAND SEED 877/463-2369 | 12/11/08 | 3545 | A | PAPER/STRAW WITH TACKIFIER. |

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| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 (TACKIFIER) | J-3000 GUAR | RECLAMARE COMPANY ED JOHNSON 206/824-2385 | 10/14/10 | 1577 | A | ACCEPTABLE AS A TACKING AGENT. DURATION: LONG TERM 3-5 MONTHS ORGANIC. MAIN COMPONENT: GUAR. |
| 00280.14C | CHEMICAL DUST CONTROL-DRY TYPE 2 (W/TACKIFIER) | NATURESOWN EVOLUTION | HAMILTON MANUFACTURING 208/733-9689 | 02/10/11 | 4203 | A | AGRICULTURAL FIBERS AND WOOD CELLULOSE FIBERS. HYDR APPLIED GUAR BASED TAC |
| 00280.14C | CHEMICAL DUST CONTROL-WET TYPE 1 | EARTH BIND 100 | ENVIROAD 208/392-4549 | 05/14/09 | 3673 | A | POSSIBLE PROBLEMS IN S.C. PER APEL (4/06). |
| 00280.14C | CHEMICAL DUST CONTROL-WET TYPE 1 | ENVIROPAM(L) LIQUID | INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/10/11 | 4318 | A | WAS NAMED HYDRAPAM (L) |
| 00280.14C | CHEMICAL DUST CONTROL-WET TYPE 1 | HYDROPAM L | EVONIK STOCKHAUSEN336/335-3871 INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/11/10 | 3969 | A | |
| 00280.14C | CHEMICAL DUST CONTROL-WET TYPE 1 | SOIL TAC | SOILWORKS 800/545-5420 | 04/14/05 | 2939 | A | |
| 00280.14C | CHEMICAL DUST CONTROL-WET TYPE 1 | TOP SEAL | SOILS CONTROL INTERNATIONAL 817/526-5550 | 05/14/09 | 1650 | A | |
| 00280.14D | MULCHES TEMPORARY | RAINIER FIBER | RAINIER VENEER INC FIBER MARKETING INT INC 206/459/4942 | 02/16/11 | 4346 | A | |
| 00280.14D | MULCHES TEMPORARY W/TACK | RAINIER FIBER + TAC | RAINIER VENEER INC FIBER MARKETING INT INC 206/459/4942 | 02/16/11 | 4347 | A | |

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| 00280.14D | MULCHES, TEMPORARY | AIRTROL GEOBINDER | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 | 07/09/09 | 3905 | A | |
| 00280.14D | MULCHES, TEMPORARY | BINDEX BLEND | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/10/12 | 4565 | A | 60% WOOD FIBER 40% RECYCLED PAPER |
| 00280.14D | MULCHES, TEMPORARY | BINDEX WOOD | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/10/12 | 4566 | A | WOOD FIBERS |
| 00280.14D | MULCHES, TEMPORARY | CELLULOSE FIBER HYDRO MULCH | CELLULOSE FIBER 253/627-8008 | 04/14/05 | 2929 | A | 100% PAPER FIBER. |
| 00280.14D | MULCHES, TEMPORARY | CONWED 1000 | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 07/13/06 | 3316 | A | |
| 00280.14D | MULCHES, TEMPORARY | CONWED 2000 | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 03/13/08 | 3611 | A | WOOD FIBER W/3% GUAR GUM TACKIFIER |
| 00280.14D | MULCHES, TEMPORARY | EARTH BARRIER MBFM | AGRIVESTMENTS 253/383-5014 | 08/14/08 | 3670 | A | |
| 00280.14D | MULCHES, TEMPORARY | ECO MATRIX | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 04/10/08 | 3267 | A | SLOPES UP TO 2.5H TO 1V. |
| 00280.14D | MULCHES, TEMPORARY | ECOFIBRE + TAC | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 04/10/08 | 3231 | A | WOOD FIBER MULCH WITH AN ORGANIC TACKIFIER. |

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| 00280.14D | MULCHES, TEMPORARY | ECOFIBRE HYDROSEEDING MULCH | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 04/10/08 | 1307 | A | MAIN COMPONENT: WOOD FIBER. ORGANIC. WITHOUT TACKIFIER. |
| 00280.14D | MULCHES, TEMPORARY | ENVIRO-BLANKET MULCH W/AIRTROL WOOD FIBER HYDRAULIC MULCH | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 | 07/09/09 | 3907 | A | |
| 00280.14D | MULCHES, TEMPORARY | ENVIRO-BLANKET WOOD FIBR MULCH HYDRAULIC MULCH | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 | 07/09/09 | 3906 | A | |
| 00280.14D | MULCHES, TEMPORARY | ENVIROPAM L | INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/10/11 | 4318 | A | WAS NAMED HYDRAPAM |
| 00280.14D | MULCHES, TEMPORARY | ENVIROPAM(L) LIQUID | INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/10/11 | 4318 | A | WAS NAMED HYDRAPAM (L) |
| 00280.14D | MULCHES, TEMPORARY | ENVIRO-SHIELD BONDED FIBER MATRIX | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 | 12/11/08 | 3533 | A | HYDRAULICALLY APPLIED MULCH. |
| 00280.14D | MULCHES, TEMPORARY | EXCEL FIBERMULCH II | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/14/02 | 2625 | A | ON TEXAS DOT QPL. |
| 00280.14D | MULCHES, TEMPORARY | GEOSKIN | MULCH & SEED INNOVATION 205/540-5775 | 08/13/09 | 3897 | A | 85% STRAW & 15% COTTON PLANT MATERIAL. |
| 00280.14D | MULCHES, TEMPORARY | GRASS MULCH | GRASS FIBER INC. 520 E. 2ND ST JUNCTION CITY, OR 97448 | 05/01/88 | 2131 | A | MAIN COMPONENT:CELLULOSE FIBER ORGANIC. WITHOUT TACKIFIER. |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------|-----------------------------------------|-----------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------|
| 00280.14D | MULCHES, TEMPORARY | GROUNDCONTROL HY-C1 STRAW & COTTON | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4618 | A | HYDRAULICALLY APPLIED |
| 00280.14D | MULCHES, TEMPORARY | GROUNDCONTROL HY-C3 STRAW & COTTON | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4619 | A | HYDRAULICALLY APPLIED |
| 00280.14D | MULCHES, TEMPORARY | HYDRA CM STEEP SLOPE MATRIX | NORTH AMERICAN GREEN 800/772-2040 OR 812/687-6632 | 11/11/10 | 4265 | A | 70% STRAW & 20% RECLAIMED COTTON FIBER. |
| 00280.14D | MULCHES, TEMPORARY | HYDROSPRAY | CELLULOSE FIBER 253/627-8008 EMERALD SEED & SUPPLY 503/254-8414 | 11/09/06 | 3063 | A | INSTALL PER 01030.48(A)3. |
| 00280.14D | MULCHES, TEMPORARY | HYDROSTRAW ALL IN 1 BONDED FIBER MATRIX | HYDROSTRAW 800/545-1755 RON EDWARDS | 07/09/15 | 4899 | A | |
| 00280.14D | MULCHES, TEMPORARY | HYDROSTRAW BONDED FIBER MATRIX | HYDROSTRAW 800/545-1755 RON EDWARDS | 11/11/10 | 4164 | A | |
| 00280.14D | MULCHES, TEMPORARY | HYDROSTRAW GUAR PLUS FORMULA | HYDROSTRAW 800/545-1755 RON EDWARDS | 11/11/10 | 4165 | A | 3% GUAR |
| 00280.14D | MULCHES, TEMPORARY | MAT-FIBER | MAT, INC. 800/976-2340 CSI GEOSYNTHETICS 800/426-7976 | 01/13/05 | 2981 | A | WOOD FIBER FOR HYDRO SEEDING |
| 00280.14D | MULCHES, TEMPORARY | MAT-FIBER PLUS | MAT, INC. 800/976-2340 CSI GEOSYNTHETICS 800/426-7976 | 01/13/05 | 2982 | A | WOOD FIBER FOR HYDRO SEEDING W/3% GUAR GUM TACKIFER. |

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|------------------------|---------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------------------------------|
| 00280.14D | MULCHES, TEMPORARY | NATURE'S OWN MULCH W/O TAC | HAMILTON MANUFACTURING 208/733-9689 | 03/12/98 | 1727 | A | MAIN COMPONENT: CELLULOSE FIBER - PAPER/WOOD. ORGANIC. W/O TACKIFIER. RECYCLED PAPER/WOOD FIBER. |
| 00280.14D | MULCHES, TEMPORARY | NATURESOWN MULCH W/TAC | HAMILTON MANUFACTURING 208/733-9689 | 02/27/12 | 4450 | A | |
| 00280.14D | MULCHES, TEMPORARY | PAM 12 | ENCAP 877/405-5050 MEADOWLAND SEED 877/463-2369 | 12/11/08 | 3545 | A | PAPER/STRAW WITH TACKIFIER. |
| 00280.14D | MULCHES, TEMPORARY | PERMAMATRIX BIOTIC SOIL AMENDM | SUNMARK ENVIRONMENTAL 503/241-7333 | 11/11/10 | 4218 | A | |
| 00280.14D | MULCHES, TEMPORARY | TERRA MULCH | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 AGRIVESTMENT 253/383-5014 | 11/09/06 | 3317 | A | SLOPES UP TO: 2H : 1V |
| 00280.14D | MULCHES, TEMPORARY | TERRA-MATRIX SM STABILIZED FIBER MATRIX | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 AGRIVESTMENT 253/383-5014 | 02/08/07 | 3416 | A | WOOD FIBER |
| 00280.14D | MULCHES, TEMPORARY | TURBOMULCH 70% WOOD | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 DIST.: EMERALD SEED & SUPPLY ARMAN KLUEHE, 503/254-8414 | 06/08/00 | 1804 | A | WOOD FIBER, ORGANIC. W/O TACKIFIER. BIODEGRADABLE. 70% WOOD, 30% PAPER W/DYE. |
| 00280.14D | MULCHES, TEMPORARY | WOODSTRAW | FOREST CONCEPTS 877/838-4759 | 12/13/07 | 3587 | A | |
| 00280.14D | MULCHES, TEMPORARY TACKIFIER | EARTH BIND 100 | ENVIROAD 208/392-4549 | 05/14/09 | 3673 | A | POSSIBLE PROBLEMS IN S.C. PER APEL (4/06). |

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| 00280.14D | MULCHES, TEMPORARY TACKIFIER | ECO E-TAC | APEX RESOURCES 502/254-3118 FIBER MARKETING 425/277-9966 | 07/13/06 | 3265 | A | |
| 00280.14D | MULCHES, TEMPORARY TACKIFIER | ECOTAC GUAR GG-1200 | FIBER MARKETING 800/426-6002 | 04/09/09 | 3232 | A | TAC ONLY, ORGANIC HYDROCOLLOID |
| 00280.14D | MULCHES, TEMPORARY TACKIFIER | FIBERRX | HYDROSTRAW 800/545-1755 RON EDWARDS | 01/21/14 | 4685 | A | FOR USE WITH HYDRAULICALLY APPLIED |
| 00280.14D | MULCHES, TEMPORARY TACKIFIER | FMI POWER TACK | APEX RESOURCES 502/254-3118 FIBER MARKETING 425/277-9966 | 07/13/06 | 3269 | A | |
| 00280.14D | MULCHES, TEMPORARY TACKIFIER | M-BINDER | GRANITE SEED CO. 801/768-4422 | 04/14/05 | 2886 | A | |
| 00280.14D | MULCHES, TEMPORARY W/ TACKIFIER | BINDEX BLEND WT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/10/12 | 4564 | A | 60% WOOD FIBER 40% RECYCLED PAPER |
| 00280.14D | MULCHES, TEMPORARY W/ TACKIFIER | BINDEX WOOD WT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/10/12 | 4567 | A | WOOD FIBERS |
| 00280.14D | MULCHES, TEMPORARY W/O TACKIFIER | NATURESOWN EVOLUTION 70 | HAMILTON MANUFACTURING 208/733-9689 | 02/10/11 | 4202 | A | AGRICULTURAL FIBERS AND WOOD CELLULOSE FIBERS. HYDR APPLIED |
| 00280.14D | MULCHES, TEMPORARY W/TACKIFIER | NATURESOWN EVOLUTION | HAMILTON MANUFACTURING 208/733-9689 | 02/10/11 | 4203 | A | AGRICULTURAL FIBERS AND WOOD CELLULOSE FIBERS. HYDR APPLIED GUAR BASED TAC |

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| 00280.14D | MULCHES, TEMPORARY W/TACKIFIER | NATURESOWN X9000 | HAMILTON MANUFACTURING 208/733-9689 | 02/10/11 | 204 | A | AGRICULTURAL FIBERS AND WOOD CELLULOSE FIBERS. HYDR APPLIED POLYMER BASED TAC |
| 00280.14D | MULCHING TEMPORARY | NATURESOWN EVOLUTION 70 | HAMILTON MANUFACTURING INC 208/733/9689 | 08/04/11 | 4202 | Q | |
| 00280.14E | MATTING - TYPE A SLOPE | AEC PREMIER COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 3521 | A | COCONUT |
| 00280.14E | MATTING - TYPE A SLOPE | AEC PREMIER STRAW SINGLE NET | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/09/06 | 3326 | A | WHEAT STRAW AND POLY NETTING |
| 00280.14E | MATTING - TYPE A SLOPE | AEC PREMIER STRAW/COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 3520 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE A SLOPE | AIRTROL GEOBINDER | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 | 07/09/09 | 3905 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | ARMORFLEX CLOSED CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 01/10/08 | 3590 | Q | SUBJECT TO APPROVAL BY DESIGN ENGINEER. CONCRETE BLOCKS |
| 00280.14E | MATTING - TYPE A SLOPE | ARMORFLEX OPEN CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 02/14/08 | 3575 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | ARMORFLEX TAPERED CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 02/14/08 | 3591 | A | |

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| 00280.14E | MATTING - TYPE A SLOPE | CURLEX I | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 09/12/02 | 2619 | A | ASPEN EXCELSIOR WITH POLYPROPLENE NETTING |
| 00280.14E | MATTING - TYPE A SLOPE | CURLEX I CL | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 04/08/10 | 4112 | A | EXCELSIOR WITH POLY NET |
| 00280.14E | MATTING - TYPE A SLOPE | EARTHGUARD FIBER MATRIX | TERRA NOVO, INC. 661/747-5956 | 01/08/09 | 2972 | A | ON TEXAS DOT QPL. SPRAY W/ WOOD CELLULOSE FIBER |
| 00280.14E | MATTING - TYPE A SLOPE | ECOAEGIS | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 04/10/08 | 1548 | A | BONDED WOOD & SYNTHETIC FIBERS HYDRAULICALLY APPLIED. |
| 00280.14E | MATTING - TYPE A SLOPE | ECS-1 | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4616 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | ENVIRO-SHIELD BONDED FIBER MTX | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 | 07/09/09 | 3533 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET C 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4847 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET S 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4845 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET S 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4844 | A | |

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| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET EX 31 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4840 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET SC 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4849 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET SC 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4846 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET S 31 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4842 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET C 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 05/01/15 | 4848 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET S 31 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4843 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EROSION CONTROL BLANKET EX 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4841 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | EXCEL CC-4 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3399 | A | COCONUT FIBER |
| 00280.14E | MATTING - TYPE A SLOPE | EXCEL CS-3 ALL NATURAL | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3397 | A | 70% WHEAT STRAW & 30% COCONUT. WITH JUTE SCRIM |

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| 00280.14E | MATTING - TYPE A SLOPE | EXCEL PP5-10 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3304 | A | POLYFIBER |
| 00280.14E | MATTING - TYPE A SLOPE | EXCEL R-1 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3402 | A | ASPEN EXCELSIOR |
| 00280.14E | MATTING - TYPE A SLOPE | EXCEL S-2 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3302 | A | ASPEN EXCELSIOR |
| 00280.14E | MATTING - TYPE A SLOPE | EXCEL SR-1 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3403 | A | STRAW |
| 00280.14E | MATTING - TYPE A SLOPE | EXCEL SS-2 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3303 | A | STRAW |
| 00280.14E | MATTING - TYPE A SLOPE | FLEXTERRA HP-FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 02/10/11 | 4205 | A | FLEXIBLE GROWTH MEDIUM HYDRAULICALLY APPLIED. RECYCLED THERMALLY REFINED WOOD FIBERS. |
| 00280.14E | MATTING - TYPE A SLOPE | FUTURA EROSION CONTROL BLANKET | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 AGRIVESTMENT 253/383-5014 | 10/12/06 | 1689 | A | NON-WOVEN MULCH BLANKET, WOOD & SYNTHETIC FIBERS. |
| 00280.14E | MATTING - TYPE A SLOPE | GEOJUTE | BELTON INDUSTRIES 800/225-4099 BOB MORAN ACF WEST 800/878-5115 | 10/11/01 | 2490 | A | WOVEN JUTE. BIODEGRADEABLE. |
| 00280.14E | MATTING - TYPE A SLOPE | GREENSOLUTIONS DNS-2 | INDUSTRIAL FABRICS, INC JAMIE COLLINS 225/273-9600 GREENSOLUTIONS 318/741-5791 | 07/09/15 | 4907 | A | DOUBLE NET STRAW BLANKET |

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|------------------------|------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------|
| 00280.14E | MATTING - TYPE A SLOPE | HYDRA CX2 | NORTH AMERICAN GREEN 800/772-2040 | 05/14/09 | 3532 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | HYDRO-BLANKET BFM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 AGRIVESTMENT 253/383-5014 | 07/13/06 | 3318 | A | WOOD FIBER |
| 00280.14E | MATTING - TYPE A SLOPE | HYDROSTRAW BONDED FIBER MATRIX | HYDROSTRAW 800/545-1755 ED LEE | 11/11/10 | 4164 | A | |
| 00280.14E | MATTING - TYPE A SLOPE | LANDLOK 1051 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4546 | A | TURF REINFORCEMENT MAT |
| 00280.14E | MATTING - TYPE A SLOPE | LANDLOK 435 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4544 | A | TURF REINFORCEMENT MAT |
| 00280.14E | MATTING - TYPE A SLOPE | LANDLOK 450 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4545 | A | TURF REINFORCEMENT MAT |
| 00280.14E | MATTING - TYPE A SLOPE | LANDLOK C2 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4543 | A | COCONUT FIBER |
| 00280.14E | MATTING - TYPE A SLOPE | LANDLOK CS2 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4542 | A | 70% WHEAT STRAW 30% COCONUT FIBER |
| 00280.14E | MATTING - TYPE A SLOPE | LANDLOK S1 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 11/26/12 | 4540 | A | WHEAT STRAW |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|------------------------|---------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------|
| 00280.14E | MATTING - TYPE A SLOPE | LANDLOK S2 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4541 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE A SLOPE | NORTH AMERICAN GREEN S150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 03/15/89 | 297 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE A SLOPE | NORTH AMERICAN GREEN S150BN | NORTH AMERICAN GREEN 800/772-2040 OR 812/687-6632 ACF WEST 800/878-5115 | 07/10/97 | 1381 | A | STRAW FIBER COVERED WITH TWISTED PAPER YARN NETTING. 100% BIO-DEGRADABLE. |
| 00280.14E | MATTING - TYPE A SLOPE | NORTH AMERICAN GREEN S75 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 OR 812/687-6632 ACF WEST 800/878-5115 | 03/15/89 | 1835 | A | 100% WHEAT STRAW |
| 00280.14E | MATTING - TYPE A SLOPE | NORTH AMERICAN GREEN S75BN | NORTH AMERICAN GREEN 800/772-2040 OR 812/687-6632 ACF WEST 800/878-5115 | 07/10/97 | 1380 | A | STRAW FIBER COVERED WITH BIO-DEGRADABLE NETTING. 100% BIO-DEGRADABLE. |
| 00280.14E | MATTING - TYPE A SLOPE | NORTH AMERICAN GREEN SC150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 03/15/98 | 1836 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE A SLOPE | PREMIER STRAW BLANKET - DOUBLE | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 2623 | A | ON THE TEXAS QPL. STRAW AND POLY NETTING |
| 00280.14E | MATTING - TYPE A SLOPE | PYRAMAT | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4547 | A | TURF REINFORCEMENT MAT |
| 00280.14E | MATTING - TYPE A SLOPE | S1000 SINGLE NET STRAW BLANKET | ENVIROSCAPE ECM 888/550-1999 | 05/14/09 | 3817 | A | WHEAT STRAW |

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|------------------------|-------------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------|
| 00280.14E | MATTING - TYPE A SLOPE | SOIL GUARD | MAT, INC. 800/976-2340 (WAS WEYERHAEUSER UNTIL 12/99) | 11/09/95 | 1403 | A | MADE OF FIR AND HEMLOCK. BONDED FIBER MATRIX. HYDRAULICALLY APPLIED. |
| 00280.14E | MATTING - TYPE A SLOPE HYDRAULICALLY APPLIED | BINDEX BFM | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/10/12 | 4563 | A | HYDRAULICALLY APPLIED WOOD FIBER |
| 00280.14E | MATTING - TYPE A SLOPE HYDRAULICALLY APPLIED | FLEXTERRA FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 11/09/06 | 3319 | A | HYDRAULICALLY APPLIED WOOD FIBER |
| 00280.14E | MATTING - TYPE A SLOPE HYDRAULICALLY APPLIED | PROMATRIX ENGINEERED FIBER MATRIX | PROFILE PRODUCTS, LLC 847/215-3454 ACF WEST 503/771-5115 | 09/19/12 | 4506 | A | HYDRAULICALLY APPLIED WOOD FIBER |
| 00280.14E | MATTING - TYPE B SLOPE | AEC PREMIER COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 3521 | A | COCONUT |
| 00280.14E | MATTING - TYPE B SLOPE | AEC PREMIER STRAW SINGLE NET | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/09/06 | 3326 | A | WHEAT STRAW AND POLY NETTING |
| 00280.14E | MATTING - TYPE B SLOPE | AEC PREMIER STRAW/COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 3520 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE B SLOPE | ARMORFLEX CLOSED CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 01/10/08 | 3590 | Q | SUBJECT TO APPROVAL BY DESIGN ENGINEER. CONCRETE BLOCK |
| 00280.14E | MATTING - TYPE B SLOPE | ARMORFLEX OPEN CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 02/14/08 | 3575 | A | |

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|------------------------|------------------------|---------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------|
| 00280.14E | MATTING - TYPE B SLOPE | ARMORFLEX TAPERED CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 02/14/08 | 3591 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | CURLEX I | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 09/12/02 | 2619 | A | ASPEN EXCELSIOR WITH POLYPROPLENE NETTING |
| 00280.14E | MATTING - TYPE B SLOPE | CURLEX I CL | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 04/08/10 | 4112 | A | EXCELSIOR WITH POLY NET |
| 00280.14E | MATTING - TYPE B SLOPE | EARTHGUARD FIBER MATRIX | TERRA NOVO, INC. 661/747-5956 | 01/08/09 | 2972 | A | ON TEXAS DOT QPL. SPRAY W/ WOOD CELLULOSE FIBER |
| 00280.14E | MATTING - TYPE B SLOPE | ECS-1 | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4616 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET EX 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4841 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET S 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4844 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET S 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4845 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET EX 31 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4840 | A | |

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|------------------------|------------------------|----------------------------------|-------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------|
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET C 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4847 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET S 31 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4843 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET SC 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4849 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET S 31 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4842 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET SC 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4846 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EROSION CONTROL BLANKET C 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 05/01/15 | 4848 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | EXCEL CC-4 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3399 | A | COCONUT FIBER |
| 00280.14E | MATTING - TYPE B SLOPE | EXCEL CS-3 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3396 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE B SLOPE | EXCEL CS-3 ALL NATURAL | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3397 | A | 70% WHEAT STRAW & 30% COCONUT. WITH JUTE SCRIM |

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|------------------------|------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------|
| 00280.14E | MATTING - TYPE B SLOPE | EXCEL PP5-10 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3304 | A | POLYFIBER |
| 00280.14E | MATTING - TYPE B SLOPE | EXCEL PP5-12 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3401 | A | SYNTHETIC FIBERS |
| 00280.14E | MATTING - TYPE B SLOPE | EXCEL PP5-8 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3400 | A | POLYFIBER |
| 00280.14E | MATTING - TYPE B SLOPE | EXCEL R-1 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3402 | A | ASPEN EXCELSIOR |
| 00280.14E | MATTING - TYPE B SLOPE | EXCEL S-2 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3302 | A | ASPEN EXCELSIOR |
| 00280.14E | MATTING - TYPE B SLOPE | EXCEL SS-2 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3303 | A | STRAW |
| 00280.14E | MATTING - TYPE B SLOPE | FLEXTERRA HP-FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 02/10/11 | 4205 | A | FLEXIBLE GROWTH MEDIUM HYDRAULICALLY APPLIED. RECYCLED THERMALLY REFINED WOOD FIBERS. |
| 00280.14E | MATTING - TYPE B SLOPE | FUTURA EROSION CONTROL BLANKET | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 AGRIVESTMENT 253/383-5014 | 10/12/06 | 1689 | A | NON-WOVEN MULCH BLANKET, WOOD & SYNTHETIC FIBERS. |
| 00280.14E | MATTING - TYPE B SLOPE | GREENSOLUTIONS DNS-2 | INDUSTRIAL FABRICS, INC JAMIE COLLINS 225/273-9600 GREENSOLUTIONS 318/741-5791 | 07/09/15 | 4907 | A | DOUBLE NET STRAW BLANKET |

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|------------------------|-------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------|
| 00280.14E | MATTING - TYPE B SLOPE | HYDRA CX2 | NORTH AMERICAN GREEN 800/772-2040 | 05/14/09 | 3532 | A | |
| 00280.14E | MATTING - TYPE B SLOPE | LANDLOK S1 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 11/26/12 | 4540 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE B SLOPE | NORTH AMERICAN GREEN S150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 03/15/89 | 297 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE B SLOPE | NORTH AMERICAN GREEN S75 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 OR 812/687-6632 ACF WEST 800/878-5115 | 03/15/89 | 1835 | A | 100% WHEAT STRAW |
| 00280.14E | MATTING - TYPE B SLOPE | NORTH AMERICAN GREEN SC150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 03/15/98 | 1836 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE B SLOPE | PREMIER STRAW BLANKET - DOUBLE | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 2623 | A | ON THE TEXAS QPL. STRAW AND POLY NETTING |
| 00280.14E | MATTING - TYPE B SLOPE | S1000 SINGLE NET STRAW BLANKET | ENVIROSCAPE ECM 888/550-1999 | 05/14/09 | 3817 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE B SLOPE | SOIL GUARD | MAT, INC. 800/976-2340 (WAS WEYERHAEUSER UNTIL 12/99) | 11/09/95 | 1403 | A | MADE OF FIR AND HEMLOCK. BONDED FIBER MATRIX. HYDRAULICALLY APPLIED. |
| 00280.14E | MATTING - TYPE B SLOPE HYDRAULICALLY APPLIED | BINDEX BFM | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/10/12 | 4563 | A | HYDRAULICALLY APPLIED WOOD FIBER |

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| 00280.14E | MATTING - TYPE B SLOPE HYDRAULICALLY APPLIED | FLEXTERRA FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 11/09/06 | 3319 | A | HYDRAULICALLY APPLIED WOOD FIBER |
| 00280.14E | MATTING - TYPE B SLOPE HYDRAULICALLY APPLIED | PROMATRIX ENGINEERED FIBER MATRIX | PROFILE PRODUCTS, LLC 847/215-3454 ACF WEST 503/771-5115 | 09/19/12 | 4506 | A | HYDRAULICALLY APPLIED WOOD FIBER |
| 00280.14E | MATTING - TYPE C SLOPE | AEC PREMIER COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 3521 | A | COCONUT |
| 00280.14E | MATTING - TYPE C SLOPE | AEC PREMIER STRAW/COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 3520 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE C SLOPE | AIRTROL GEOBINDER | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 | 07/09/09 | 3905 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | COCOFLEX ET-FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 03/12/09 | 3803 | A | EXTENDED TERM FLEXIBLE GROWTH MEDIUM. WOOD & COCONUT. |
| 00280.14E | MATTING - TYPE C SLOPE | CURLEX ENFORCER | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/14/02 | 2637 | A | ASPEN EXCELSIOR WITH POLY NETTING ON BOTH SIDES. |
| 00280.14E | MATTING - TYPE C SLOPE | CURLEX I | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/09/06 | 2619 | A | ASPEN EXCELSIOR WITH POLYPROPYLENE NETTING |
| 00280.14E | MATTING - TYPE C SLOPE | ECOAEGIS | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 04/10/08 | 1548 | A | BONDED WOOD & SYNTHETIC FIBERS HYDRAULICALLY APPLIED. |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|------------------------|-------------------------------------|-------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------|
| 00280.14E | MATTING - TYPE C SLOPE | ECS-2 | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4615 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | ENVIRO-SHIELD BONDED FIBER MTX | USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594 | 07/09/09 | 3533 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | EROSION CONTROL BLANKET S 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4844 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | EROSION CONTROL BLANKET SC 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4846 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | EROSION CONTROL BLANKET SC 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4849 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | EROSION CONTROL BLANKET C 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 05/01/15 | 4848 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | EROSION CONTROL BLANKET C 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4847 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | EROSION CONTROL BLANKET S 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4845 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | EROSION CONTROL BLANKET EX 31 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4840 | A | |

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 JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------|
| 00280.14E | MATTING - TYPE C SLOPE | EXCEL CC-4 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3399 | A | COCONUT FIBER |
| 00280.14E | MATTING - TYPE C SLOPE | EXCEL CS-3 ALL NATURAL | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3397 | A | 70% WHEAT STRAW & 30% COCONUT. WITH JUTE SCRIM |
| 00280.14E | MATTING - TYPE C SLOPE | EXCEL PP5-10 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3304 | A | POLYFIBER |
| 00280.14E | MATTING - TYPE C SLOPE | EXCEL S-2 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3302 | A | ASPEN EXCELSIOR |
| 00280.14E | MATTING - TYPE C SLOPE | EXCEL SR-1 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3403 | A | STRAW |
| 00280.14E | MATTING - TYPE C SLOPE | EXCEL SS-2 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3303 | A | STRAW |
| 00280.14E | MATTING - TYPE C SLOPE | FLEXTERRA HP-FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 02/10/11 | 4205 | A | FLEXIBLE GROWTH MEDIUM HYDRAULICALLY APPLIED. RECYCLED THERMALLY REFINED WOOD FIBERS. |
| 00280.14E | MATTING - TYPE C SLOPE | FUTURA EROSION CONTROL BLANKET | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 AGRIVESTMENT 253/383-5014 | 10/12/06 | 1689 | A | NON-WOVEN MULCH BLANKET, WOOD & SYNTHETIC FIBERS. |
| 00280.14E | MATTING - TYPE C SLOPE | GEOJUTE | BELTON INDUSTRIES 800/225-4099 BOB MORAN ACF WEST 800/878-5115 | 10/11/01 | 2490 | A | WOVEN JUTE. BIODEGRADEABLE. |

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|------------------------|------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------|
| 00280.14E | MATTING - TYPE C SLOPE | GREENSOLUTIONS DNS-2 | INDUSTRIAL FABRICS, INC JAMIE COLLINS 225/273-9600 GREENSOLUTIONS 318/741-5791 | 07/09/15 | 4907 | A | DOUBLE NET STRAW BLANKET |
| 00280.14E | MATTING - TYPE C SLOPE | HYDRA CM STEEP SLOPE MATRIX | NORTH AMERICAN GREEN 800/772-2040 | 11/11/10 | 4265 | A | 70% STRAW & 20% RECLAIMED COTTON FIBER. |
| 00280.14E | MATTING - TYPE C SLOPE | HYDRA CX2 | NORTH AMERICAN GREEN 800/772-2040 | 05/14/09 | 3532 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | HYDRO-BLANKET BFM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 AGRIVESTMENT 253/383-5014 | 07/13/06 | 3318 | A | WOOD FIBER |
| 00280.14E | MATTING - TYPE C SLOPE | HYDROSTRAW ALL IN 1 BONDED FIBER MATRIX | HYDROSTRAW 800/545-1755 RON EDWARDS | 07/09/15 | 4899 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | HYDROSTRAW BONDED FIBER MATRIX | HYDROSTRAW 800/545-1755 ED LEE | 11/11/10 | 4164 | A | |
| 00280.14E | MATTING - TYPE C SLOPE | NORTH AMERICAN GREEN S150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 03/15/89 | 297 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE C SLOPE | NORTH AMERICAN GREEN S75 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 OR 812/687-6632 ACF WEST 800/878-5115 | 03/15/89 | 1835 | A | 100% WHEAT STRAW |
| 00280.14E | MATTING - TYPE C SLOPE | NORTH AMERICAN GREEN SC150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 03/15/98 | 1836 | A | 70% WHEAT STRAW & 30% COCONUT. |

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|------------------------|-------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------|
| 00280.14E | MATTING - TYPE C SLOPE | PREMIER STRAW BLANKET - DOUBLE | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 2623 | A | ON THE TEXAS QPL. STRAW AND POLY NETTING |
| 00280.14E | MATTING - TYPE C SLOPE | S2000 DOUBLE NET STRAW BLANKET | ENVIROSCAPE ECM 888/550-1999 | 06/11/09 | 3855 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE C SLOPE | SOIL GUARD | MAT, INC. 800/976-2340 (WAS WEYERHAEUSER UNTIL 12/99) | 11/09/95 | 1403 | A | MADE OF FIR AND HEMLOCK. BONDED FIBER MATRIX. HYDRAULICALLY APPLIED. |
| 00280.14E | MATTING - TYPE C SLOPE HYDRAULICALLY APPLIED | BINDEX BFM | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/10/12 | 4563 | A | HYDRAULICALLY APPLIED WOOD FIBER |
| 00280.14E | MATTING - TYPE C SLOPE HYDRAULICALLY APPLIED | FLEXTERRA FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 11/09/06 | 3319 | A | HYDRAULICALLY APPLIED WOOD FIBER |
| 00280.14E | MATTING - TYPE D SLOPE | AEC PREMIER COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 3521 | A | COCONUT |
| 00280.14E | MATTING - TYPE D SLOPE | AEC PREMIER STRAW/COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 3520 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE D SLOPE | COCOFLEX ET-FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 03/12/09 | 3803 | A | EXTENDED TERM FLEXIBLE GROWTH MEDIUM. WOOD & COCONUT. |
| 00280.14E | MATTING - TYPE D SLOPE | CURLEX ENFORCER | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/14/02 | 2637 | A | ASPEN EXCELSIOR WITH POLY NETTING ON BOTH SIDES. |

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|------------------------|------------------------|---------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------|
| 00280.14E | MATTING - TYPE D SLOPE | CURLEX I | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/09/06 | 2619 | A | ASPEN EXCELSIOR WITH POLYPROPLENE NETTING |
| 00280.14E | MATTING - TYPE D SLOPE | CURLEX II CL | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/13/08 | 3711 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | CURLEX NET FREE | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/13/08 | 3712 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | ECS-2 | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4615 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | EROSION CONTROL BLANKET EX 31 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4840 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | EROSION CONTROL BLANKET S 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4844 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | EROSION CONTROL BLANKET C 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 05/01/15 | 4848 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | EROSION CONTROL BLANKET C 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4847 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | EROSION CONTROL BLANKET SC 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4849 | A | |

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|------------------------|------------------------|----------------------------------|-------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------|
| 00280.14E | MATTING - TYPE D SLOPE | EROSION CONTROL BLANKET S 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4845 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | EROSION CONTROL BLANKET SC 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4846 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | EXCEL CC-4 | WESTERN EXCELSIOR 800/967-4009 GEOTK 360/750-1955 | 02/08/07 | 3399 | A | COCONUT FIBER |
| 00280.14E | MATTING - TYPE D SLOPE | EXCEL CS-3 | WESTERN EXCELSIOR 800/967-4009 GEOTK 360/750-1955 | 02/08/07 | 3396 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE D SLOPE | EXCEL CS-3 ALL NATURAL | WESTERN EXCELSIOR 800/967-4009 GEOTK 360/750-1955 | 02/08/07 | 3397 | A | 70% WHEAT STRAW & 30% COCONUT. WITH JUTE SCRIM |
| 00280.14E | MATTING - TYPE D SLOPE | EXCEL PP5-10 | WESTERN EXCELSIOR 800/967-4009 GEOTK 360/750-1955 | 12/14/06 | 3304 | A | POLYFIBER |
| 00280.14E | MATTING - TYPE D SLOPE | EXCEL PP5-12 | WESTERN EXCELSIOR 800/967-4009 GEOTK 360/750-1955 | 02/08/07 | 3401 | A | SYNTHETIC FIBERS |
| 00280.14E | MATTING - TYPE D SLOPE | EXCEL S-2 | WESTERN EXCELSIOR 800/967-4009 GEOTK 360/750-1955 | 12/14/06 | 3302 | A | ASPEN EXCELSIOR |
| 00280.14E | MATTING - TYPE D SLOPE | EXCEL SS-2 | WESTERN EXCELSIOR 800/967-4009 GEOTK 360/750-1955 | 12/14/06 | 3303 | A | STRAW |

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|------------------------|------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------------|
| 00280.14E | MATTING - TYPE D SLOPE | FLEXTERRA HP-FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 02/10/11 | 4205 | A | FLEXIBLE GROWTH MEDIUM HYDRAULICALLY APPLIED. RECYCLED THERMALLY REFINED WOOD FIBERS. |
| 00280.14E | MATTING - TYPE D SLOPE | FUTURA EROSION CONTROL BLANKET | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 AGRIVESTMENT 253/383-5014 | 10/12/06 | 1689 | A | NON-WOVEN MULCH BLANKET, WOOD & SYNTHETIC FIBERS. |
| 00280.14E | MATTING - TYPE D SLOPE | GREENSOLUTIONS DNS-2 | INDUSTRIAL FABRICS, INC JAMIE COLLINS 225/273-9600 GREENSOLUTIONS 318/741-5791 | 07/09/15 | 4907 | A | DOUBLE NET STRAW BLANKET |
| 00280.14E | MATTING - TYPE D SLOPE | GROUNDCONTROL HY-C3 STRAW & COTTON | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4619 | A | HYDRAULICALLY APPLIED |
| 00280.14E | MATTING - TYPE D SLOPE | GROUNDCONTROL HY-C4 STRAW & COTTON | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4620 | A | HYDRAULICALLY APPLIED |
| 00280.14E | MATTING - TYPE D SLOPE | HYDRA CM STEEP SLOPE MATRIX | NORTH AMERICAN GREEN 800/772-2040 | 11/11/10 | 4265 | A | 70% STRAW & 20% RECLAIMED COTTON FIBER. |
| 00280.14E | MATTING - TYPE D SLOPE | HYDRA CX2 | NORTH AMERICAN GREEN 800/772-2040 | 05/14/09 | 3532 | A | |
| 00280.14E | MATTING - TYPE D SLOPE | NORTH AMERICAN GREEN S150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 03/15/89 | 297 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE D SLOPE | NORTH AMERICAN GREEN SC150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 03/15/98 | 1836 | A | 70% WHEAT STRAW & 30% COCONUT. |

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|------------------------|-------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------|
| 00280.14E | MATTING - TYPE D SLOPE | PREMIER STRAW BLANKET - DOUBLE | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 10/11/07 | 2623 | A | ON THE TEXAS QPL. STRAW AND POLY NETTING |
| 00280.14E | MATTING - TYPE D SLOPE | S2000 DOUBLE NET STRAW BLANKET | ENVIROSCAPE ECM 888/550-1999 | 06/11/09 | 3855 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE D SLOPE | SOIL GUARD | MAT, INC. 800/976-2340 (WAS WEYERHAEUSER UNTIL 12/99) | 11/09/95 | 1403 | A | MADE OF FIR AND HEMLOCK. BONDED FIBER MATRIX. HYDRAULICALLY APPLIED. |
| 00280.14E | MATTING - TYPE D SLOPE HYDRAULICALLY APPLIED | BINDEX BFM | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/10/12 | 4563 | A | HYDRAULICALLY APPLIED WOOD FIBER |
| 00280.14E | MATTING - TYPE D SLOPE HYDRAULICALLY APPLIED | FLEXTERRA FGM | PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115 | 01/08/09 | 3319 | A | HYDRAULICALLY APPLIED WOOD FIBER |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | AEC PREMIER STRAW DOUBLE NET | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 01/09/12 | 4527 | A | STRAW |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | AEC PREMIER STRAW/COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 01/09/12 | 3520 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | CURLEX ENFORCER | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/14/02 | 2637 | A | ASPEN EXCELSIOR WITH POLY NETTING ON BOTH SIDES. |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | CURLEX II (STITCHED) | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 09/12/02 | 2620 | A | ASPEN EXCELSIOR WITH POLYPROPYLENE NETTING |

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APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------|
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | CURLEX III (STITCHED) | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/12/02 | 2621 | A | ASPEN EXCELSIOR WITH POLY NETTING ON BOTH SIDES. |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | ECP-2 POLYPROPYLENE TURF REINFORCEMENT MAT (TRM) | EAST COAST EROSION BLANKETS 610/488-8496 LAYFIELD COPORATION 800/796-6868 | 02/13/15 | 4852 | A | |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | ECP-3 POLYPROPYLENE TURF REINFORCEMENT MAT (TRM) | EAST COAST EROSION BLANKETS 610/488-8496 LAYFIELD COPORATION 800/796-6868 | 02/13/15 | 4853 | A | |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET SC 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4846 | A | |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET S 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4844 | A | |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET PC 42 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/20/15 | 4851 | A | |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET EX 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4841 | A | |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET S 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4844 | A | |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET EX 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4850 | A | |

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 JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------------------------------|------------------------|-------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------|
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EXCEL CC-4 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3399 | A | COCONUT FIBER |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EXCEL CS-3 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3396 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EXCEL CS-3 ALL NATURAL | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3397 | A | 70% WHEAT STRAW & 30% COCONUT. WITH JUTE SCRIM |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EXCEL PP5-10 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3304 | A | POLYFIBER |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EXCEL PP5-12 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3401 | A | SYNTHETIC FIBERS |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EXCEL PP5-8 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3400 | A | POLY FIBERS |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EXCEL SD-3 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3398 | A | ASPEN EXCELSIOR |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | EXCEL SS-2 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3303 | A | STRAW |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | KOIRMAT 700 | NEDIA ENTERPRISES 888/725-6999 | 05/14/09 | 3718 | A | |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------|
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | NORTH AMERICAN GREEN C125BN | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 11/08/07 | 3565 | A | BIODEGRADABLE JUTE COCONUT |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | NORTH AMERICAN GREEN C350 | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 07/10/97 | 1378 | A | COCONUT |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | NORTH AMERICAN GREEN S150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 03/15/98 | 297 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | RECYCLEX - TRM | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/09/06 | 2618 | A | ARTIFICIAL FIBER (SODA BOTTLES) |
| 00280.14E | MATTING - TYPE E FLEXIBLE CHANNEL LINER | T-RES HIGH PERFORMANCE TRM | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4617 | A | |
| 00280.14E | MATTING - TYPE E SLOPE | EROSION CONTROL BLANKET C 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 05/01/15 | 4848 | A | |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | AEC PREMIER STRAW DOUBLE NET | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 01/09/12 | 4527 | A | STRAW |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | AEC PREMIER STRAW/COCONUT | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 01/09/12 | 3520 | A | 70% WHEAT STRAW & 30% COCONUT. |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | CURLEX ENFORCER | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/14/02 | 2637 | A | ASPEN EXCELSIOR WITH POLY NETTING ON BOTH SIDES. |

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|------------------------|--------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------|
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | CURLEX III (STITCHED) | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 12/12/02 | 2621 | A | ASPEN EXCELSIOR WITH POLY NETTING ON BOTH SIDES. |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | ECP-2 POLYPROPYLENE TURF REINFORCEMENT MAT (TRM) | EAST COAST EROSION BLANKETS 610/488-8496 LAYFIELD COPORATION 800/796-6868 | 02/13/15 | 4852 | A | |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | ECP-3 POLYPROPYLENE TURF REINFORCEMENT MAT (TRM) | EAST COAST EROSION BLANKETS 610/488-8496 LAYFIELD COPORATION 800/796-6868 | 02/13/15 | 4853 | A | |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET EX 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4850 | A | |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET C 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4847 | A | |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET EX 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4841 | A | |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET SC 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4849 | A | |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET SC 32 BD | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/13/15 | 4846 | A | |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET PC 42 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/20/15 | 4851 | A | |

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|------------------------|--------------------------------------------|---------------------|-------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------|
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EXCEL CC-4 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3399 | A | COCONUT FIBER |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EXCEL PP5-10 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3304 | A | POLYFIBER |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EXCEL PP5-12 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3401 | A | SYNTHETIC FIBERS |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EXCEL PP5-8 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3400 | A | POLY FIBERS |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | EXCEL SD-3 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3398 | A | ASPEN EXCELSIOR |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | KOIRMAT 700 | NEDIA ENTERPRISES 888/725-6999 | 05/14/09 | 3718 | A | |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | LANDLOK 435 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4544 | A | TURF REINFORCEMENT MAT |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | LANDLOK 450 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4545 | A | TURF REINFORCEMENT MAT |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | LANDLOK C2 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4543 | A | COCONUT FIBER |

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|------------------------|--------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------|
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | LANDLOK CS2 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4542 | A | 70% WHEAT STRAW 30% COCONUT FIBER |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | LANDLOK S2 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4541 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | NORTH AMERICAN GREEN C125BN | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 11/08/07 | 3565 | A | BIODEGRADABLE JUTE COCONUT |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | NORTH AMERICAN GREEN C350 | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 07/10/97 | 1378 | A | COCONUT |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | NORTH AMERICAN GREEN S150 STRAW MATS | NORTH AMERICAN GREEN 800/772-2040 OR 812/687-6632 ACF WEST 800/878-5115 | 03/15/89 | 297 | A | WHEAT STRAW |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | RECYCLEX - TRM | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/09/06 | 2618 | A | ARTIFICIAL FIBER (SODA BOTTLES) |
| 00280.14E | MATTING - TYPE F FLEXIBLE CHANNEL LINER | T-RECS HIGH PERFORMANCE TRM | EAST COAST EROSION CONTROL 610/488-8496 | 05/03/13 | 4617 | A | |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | CURLEX ENFORCER | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/14/02 | 2637 | A | ASPEN EXCELSIOR WITH POLY NETTING ON BOTH SIDES. |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | ECP-2 POLYPROPYLENE TURF REINFORCEMENT MAT (TRM) | EAST COAST EROSION BLANKETS 610/488-8496 LAYFIELD COPORATION 800/796-6868 | 02/13/15 | 4852 | A | |

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|------------------------|--------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------|
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | ECP-3 POLYPROPYLENE TURF REINFORCEMENT MAT (TRM) | EAST COAST EROSION BLANKETS 610/488-8496 LAYFIELD COPORATION 800/796-6868 | 02/13/15 | 4853 | A | |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET EX 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4841 | A | |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET PC 42 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/20/15 | 4851 | A | |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET EX 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4850 | A | |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | EXCEL PP5-10 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3304 | A | POLYFIBER |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | EXCEL PP5-12 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3401 | A | SYNTHETIC FIBERS |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | EXCEL PP5-8 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3400 | A | POLY FIBERS |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | KOIRMAT 700 | NEDIA ENTERPRISES 888/725-6999 | 05/14/09 | 3718 | A | |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | RECYCLEX - TRM | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/09/06 | 2618 | A | ARTIFICIAL FIBER (SODA BOTTLES) |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------|
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | RECYCLEX TRM-V | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 01/09/12 | 4528 | A | TURF REINFORCEMENT MAT PERMANENT 100% RECYCLED |
| 00280.14E | MATTING - TYPE G FLEXIBLE CHANNEL LINER | T-RES HIGH PERFORMANCE TRM | EAST COAST EROSION CONTROL 610/488-8496 | 02/13/15 | 4617 | A | |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | ECP-2 POLYPROPYLENE TURF REINFORCEMENT MAT (TRM) | EAST COAST EROSION BLANKETS 610/488-8496 LAYFIELD COPORATION 800/796-6868 | 02/13/15 | 4852 | A | |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | ECP-3 POLYPROPYLENE TURF REINFORCEMENT MAT (TRM) | EAST COAST EROSION BLANKETS 610/488-8496 LAYFIELD COPORATION 800/796-6868 | 02/13/15 | 4853 | A | |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET EX 32 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 12/16/14 | 4850 | A | |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET PC 42 | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115 | 02/20/15 | 4851 | A | |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | EROSION CONTROL BLANKET P42 TRM | EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC | 11/13/08 | 3701 | A | |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | EXCEL PP5-10 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 12/14/06 | 3304 | A | POLYFIBER |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | EXCEL PP5-12 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3401 | A | SYNTHETIC FIBERS |

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 JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------|
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | EXCEL PP5-8 | WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 | 02/08/07 | 3400 | A | POLY FIBERS |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | LANDLOK 1051 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4546 | A | TURF REINFORCEMENT MAT |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | PYRAMAT | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC 503/771-5115 | 10/29/12 | 4547 | A | TURF REINFORCEMENT MAT |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | RECYCLEX - TRM | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/09/06 | 2618 | A | ON THE TEXAS QPL. ARTIFICIAL FIBER (SODA BOTTLES) |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | RECYCLEX TRM-V | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 01/09/12 | 4528 | A | |
| 00280.14E | MATTING - TYPE H FLEXIBLE CHANNEL LINER | T-RES HIGH PERFORMANCE TRM | EAST COAST EROSION CONTROL 610/488-8496 | 02/13/15 | 4617 | A | |
| 00280.14E | SLOPE MATTING TYPE B & D | GEOJUTE PLUS | BELTON INDUSTRIES INC 800/225/4099 ACF WEST INC 503/771/5115 | 06/30/11 | 2490 | Q | NOT FOR USE AS TYPE A & C |
| 00280.15A | CHECK DAM, TYPE 3 | CURLEX SEDIMENT LOG | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 05/08/08 | 2624 | A | |
| 00280.15A | CHECK DAM, TYPE 3 | CURLEX SFW WATTLES | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 02/13/15 | 4863 | A | |

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| 00280.15A | CHECK DAM, TYPE 3 | FILTREXX FILTERSOXX DITCHCHEXX | FILTREXX INTERNATIONAL 440/926-2607 | 12/08/05 | 3257 | A | |
| 00280.15A | CHECK DAM, TYPE 3 | GRABHORN BIO FILTER BAG | GRABHORN, INC. 503/628-1866 | 11/12/09 | 2430 | A | |
| 00280.15A | CHECK DAM, TYPE 3 | RICE STRAW FIBER ROLL | KRISTAR ENTERPRIS 800/579-8819 | 11/09/06 | 2634 | A | STANDARD DRAWING RD1005 |
| 00280.15A | CHECK DAM, TYPE 4 | WOVEN POLYPROPYLENE SANDBAG MODEL: PPB1426T1600 | SACRAMENTO BAG CO 800/287-2247 BUSSARD EROSION CONTROL 800/252-2692 | 07/11/02 | 2429 | A | |
| 00280.15A | CHECK DAM, TYPE 5 | GEOBALE | GEOHAY 864/472-7000 | 12/13/07 | 3579 | A | |
| 00280.15A | CHECK DAM, TYPE 5 | GEOFILTER | GEOHAY 864/472-7000 | 12/13/07 | 3580 | A | |
| 00280.15A | CHECK DAM, TYPE 5 | GEO-RIDGE | NILEX 303/766-2000 ACF WEST 800/878-5115 | 04/14/05 | 2357 | A | OK FOR REDUCING VELOCITIES, BUT NOT AS A CHECK DAM ALONE. MUST USE IN CONJUNCTION WITH A MATTING OR OTHER GROUND COVER. |
| 00280.15A | CHECK DAM, TYPE 5 | TRIANGULAR SILT DIKE | TRIANGULAR SILT DIKE CO, INC. REP: JASON ROACH 405/741-7406 CSI GEOSYNTHETICS 800/426-7976 | 09/13/01 | 1592 | A | GEOTEXTILE FABRIC AND URETHANE FOAM. |
| 00280.15A | CHECK DAM, TYPE: OTHER | EARTHSAVER RICE STRAW WATTLES | RH DYCK 530/662-7700 BUSSARD EROSION 541/926-7747 | 11/09/06 | 2431 | A | OTHER - STRAW WATTLE STANDARD DRAWING RD1005 |

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| 00280.15A | CHECK DAM, TYPE: OTHER STRAW WATTLE | PERMALOK/PERMEATEX STRAW WATTL | NORTHWEST LININGS & GEOTEXTILE 253/867-5366 | 10/14/10 | 4194 | A | RICE STRAW |
| 00280.15A | INLET PROTECTION - TYPE 4 | CURLEX SFW WATTLES | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 02/13/15 | 4863 | A | |
| 00280.15D | SLOPE DRAIN, TEMPORARY | TRIANGULAR SILT DIKE | TRIANGULAR SILT DIKE CO, INC. REP: JASON ROACH 405/741-7406 CSI GEOSYNTHETICS 800/426-7976 | 09/13/01 | 1592 | A | APPEARS TO BE A SUITABLE SUBSTITUTE FOR STRAW BALES OR SAND BAGS. |
| 00280.16C | SEDIMENT FENCE -UNSUPPORT | LP-30 POCKETED SEDIMENT FENCE | PROPEX 800/621-1273 ACF WEST 800/878-5115 | 09/14/06 | 2959 | A | |
| 00280.16C | SEDIMENT FENCE -UNSUPPORT | MIKE'S PROD POCKETD SILT FENCE | MIKE'S PRODUCTS 503/439-2379 RESPONSIVE SUPPLY 503/804-7860 | 04/08/10 | 3996 | A | |
| 00280.16C | SEDIMENT FENCE -UNSUPPORT UN-SUPPORTED | TERRATEX SF-D 3606-B48D | HANES GEO COMPONENTS 800-324-4594 | 02/10/11 | 3734 | A | |
| 00280.16C | SEDIMENT FENCE-UNSUPPORT | GEOTEK 190 SF POCKETED | GEOTEK, LLC 360/750-1955 | 01/21/14 | 4603 | A | |
| 00280.16D | INLET PROTECTION - TYPE 1 | BASIN WORK'R ECO | MIKE'S PRODUCTS 503/256-5607 | 07/24/15 | 4885 | A | |
| 00280.16D | INLET PROTECTION - TYPE 1 | ENVIRO STRAW 9" STRAW WATTLE | ENVIRO-STRAW 208/270-1225 | 01/21/14 | 4703 | A | |

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|------------------------|---------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------------|
| 00280.16D | INLET PROTECTION - TYPE 1 | MIKE'S PROD POCKETD SILT FENCE | MIKE'S PRODUCTS 503/256-5607 RESPONSIVE SUPPLY 503/804-7860 | 04/08/10 | 3996 | A | |
| 00280.16D | INLET PROTECTION - TYPE 3 | BASIN WORK'R ECO | MIKE'S PRODUCTS 503/256-5607 | 07/24/15 | 4885 | A | |
| 00280.16D | INLET PROTECTION - TYPE 3 | DANDY CURB BAG | DANDY PRODUCTS, INC 800/591-2284 SPILL CONTROL, INC 800/300-1649 | 11/17/14 | 4814 | A | DESIGNED FOR 250 GPM/FTSQ |
| 00280.16D | INLET PROTECTION - TYPE 3 | DANDY CURB SACK | DANDY PRODUCTS, INC 800/591-2284 SPILL CONTROL, INC 800/300-1649 | 11/17/14 | 4810 | A | DESIGNED FOR 250 GPM/FTSQ |
| 00280.16D | INLET PROTECTION - TYPE 3 | DANDY SACK | DANDY PRODUCTS, INC 800/591-2284 SPILL CONTROL, INC 800/300-1649 | 11/17/14 | 4812 | A | DESIGNED FOR 250 GPM/FTSQ |
| 00280.16D | INLET PROTECTION - TYPE 3 | DRAIN BAGS | SPILL CONTROL, INC 800/300-1649 | 10/24/12 | 4539 | A | |
| 00280.16D | INLET PROTECTION - TYPE 3 | DREAM STREAM GCDOTFB-3624 | THE GATE COMPANY 360/273-5802 MANARK PRODUCTS 360/790-9271 | 10/14/10 | 4174 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |
| 00280.16D | INLET PROTECTION - TYPE 3 | FLEXSTORM INLET FILTER | INLET & PIPE PROTECTION 866/287-8655 ADVANCED DRAINAGE SYSTEMS 800/821-6710 | 04/08/10 | 3965 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |
| 00280.16D | INLET PROTECTION - TYPE 3 | HI-FLOW SILTSACK | ACF ENVIRONMENTAL DAVID KELLY 800/448-3636 DIST.: ACF WEST, INC. MELISSA HURLEY 503/771-5115 | 09/13/01 | 1164 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |

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| 00280.16D | INLET PROTECTION - TYPE 3 | MIKE'S PRODUCTS BASIN WORK'R | MIKE'S PRODUCTS 503/256-5607 RESPONSIVE SUPPLY 503/804-7860 | 04/08/10 | 3995 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |
| 00280.16D | INLET PROTECTION - TYPE 3 | NON-WOVEN SILT SACK | ACF ENVIRONMENTAL DAVID KELLY 800/448-3636 | 02/10/05 | 2958 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |
| 00280.16D | INLET PROTECTION - TYPE 3 | REGULAR FLOW SILTSACK | ACF ENVIRONMENTAL 804/271/2363 ACF WEST 800/878/5115 | 08/01/11 | 4442 | Q | |
| 00280.16D | INLET PROTECTION - TYPE 3 | STORM SENTINEL MODEL 4320NO 48" X 36" | ENPAC CORPORATION 800/936-7229 PAT GOTHRO (ENPAC)253/288-9215 FNW- DOUG MYERS 253/437-5141 FNW- MIKE STEWART 503/240-6747 | 04/29/14 | 4745 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED NO OVERFLOW |
| 00280.16D | INLET PROTECTION - TYPE 3 | STORM SENTINEL MODEL 4326NO 60" X 60" | ENPAC CORPORATION 800/936-7229 PAT GOTHRO (ENPAC)253/288-9215 FNW- DOUG MYERS 253/437-5141 FNW- MIKE STEWART 503/240-6747 | 04/29/14 | 4746 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED NO OVERFLOW |
| 00280.16D | INLET PROTECTION - TYPE 3 | STORM SENTINEL MODEL 4341 NO 36" X 24" FRAMED | ENPAC CORPORATION 800/936-7229 PAT GOTHRO (ENPAC)253/288-9215 FNW- DOUG MYERS 253/437-5141 FNW- MIKE STEWART 503/240-6747 | 04/29/14 | 4747 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED NO OVERFLOW |
| 00280.16D | INLET PROTECTION - TYPE 3 | STORM SENTINEL MODEL 4348 | ENPAC CORPORATION 800/936-7229 PAT GOTHRO (ENPAC)253/288-9215 FNW- DOUG MYERS 253/437-5141 FNW- MIKE STEWART 503/240-6747 | 10/14/10 | 4119 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |
| 00280.16D | INLET PROTECTION - TYPE 3 | STORMGUARD | SPILL CONTROL,INC 800/300-1649 | 12/24/12 | 4538 | A | |
| 00280.16D | INLET PROTECTION - TYPE 3 | STREAMGUARD | FOSS INTERNATIONAL AND INFRASTRUCTURE SERVICES CO. JOE SMITH 206/378-4101 | 10/11/01 | 1600 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |

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| 00280.16D | INLET PROTECTION - TYPE 3 | ULTRA-DRAIN GUARD ADJ. FRAME MOD. #8930 | ULTRATECH INTERNATIONAL 800/353-1611 EXT 211 | 05/02/13 | 4611 | A | ADJUSTABLE FRAME INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |
| 00280.16D | INLET PROTECTION - TYPE 3 | ULTRA-DRAIN GUARD RE-USABLE | ULTRATECH INTERNATIONAL 800/353-1611 EXT 211 | 11/09/06 | 3308 | A | VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |
| 00280.16D | INLET PROTECTION - TYPE 3 GAS & OIL | ULTRA-DRAIN GUARD OIL & SEDIME | ULTRATECH INTERNATIONAL 800/353-1611 EXT 211 | 01/10/08 | 3309 | A | FOR GAS & OIL. VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED |
| 00280.16D | INLET PROTECTION - TYPE 4 | CURLEX SEDIMENT LOG | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 05/08/08 | 2624 | A | |
| 00280.16D | INLET PROTECTION - TYPE 4 | FILTREXX FILTERSOXX INLETSOXX | FILTREXX INTERNATIONAL 440/926-2607 | 12/08/05 | 3258 | A | |
| 00280.16D | INLET PROTECTION - TYPE 4 | GRABHORN BIO FILTER BAG | GRABHORN, INC. 503/628-1866 | 11/12/09 | 2430 | A | |
| 00280.16D | INLET PROTECTION - TYPE 4 | SILTRAP BIO BAGS | HIGHWAY FUEL 503/363-6444 | 11/13/08 | 3697 | A | PRESIZED WOOD CHIPS IN POLY MESH BAG. |
| 00280.16D | INLET PROTECTION - TYPE 4 | SLOPEGARD 3 | KRISTAR ENTERPRIS 800/579-8819 | 11/09/06 | 2633 | A | |
| 00280.16D | INLET PROTECTION - TYPE 6 | DREAM STREAM GCDOTFB-3624 | THE GATE COMPANY 360/273-5802 MANARK PRODUCTS 360/790-9271 | 10/14/10 | 4174 | A | NEED TO MONITOR. |

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|------------------------|------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------------------------|
| 00280.16D | INLET PROTECTION - TYPE 6 | SS FIBER ROLLS (9X25) UV | EROSION CONTROL SERVICES MARK CLELLAND 208/337-4620 | 04/08/10 | 3928 | A | |
| 00280.16D | INLET PROTECTION - TYPE 6 OTHER | CURB INLET SEDIMENT DAM | CARDWELL; 541/688-7609 FAMILIAN NW 800/456-8611 | 10/10/02 | 2203 | A | DESIGNED FOR CURBED INLET PROTECTION. NEED TO MONITOR. |
| 00280.16D | INLET PROTECTION - TYPE 6 OTHER | FILTREXX FILTERSOXX SILTSOXX | FILTREXX INTERNATIONAL 440/926-2607 | 06/11/09 | 3256 | A | USE MFG APPROVED COMPOST MEDIA & ADDITIVES & MEET ODOT SPECS. |
| 00280.16D | INLET PROTECTION - TYPE 6 OTHER | GEOFILTER | GEOHAY 864/472-7000 | 12/13/07 | 3580 | A | |
| 00280.16E | SEDIMENT BARRIER, OTHER | DIRTBAG 55 | ACF ENVIRONMENTAL DAVID KELLY 800/448-3636 DIST.: ACF WEST, INC. MELISSA HURLEY 503/771-5115 | 02/12/09 | 1886 | A | THIS BAG IS 180" BY 180". AND TESTED TO 100 LB/IN2. APPLICATION: DOWNSTREAM END OF PIPE. |
| 00280.16E | SEDIMENT BARRIER, OTHER | FILTREXX FILTERSOXX SILTSOXX | FILTREXX INTERNATIONAL 440/926-2607 | 06/11/09 | 3256 | A | USE MFG APPROVED COMPOST MEDIA & ADDITIVES & MEET ODOT SPECS. |
| 00280.16E | SEDIMENT BARRIER, TYPE 1 | ENVIRO STRAW 9" STRAW WATTLE | ENVIRO-STRAW 208/270-1225 | 01/21/14 | 4703 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | AEC PREMIER STRAW WATTLES | AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426 | 11/09/06 | 3327 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | CAL VISTA RICE STRAW WATTLE 8 X 25 | CAL VISTA EROSION CONTROL JERRY SHADINGER 530/476-0706 | 12/11/08 | 3526 | A | |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------------|---------------------------------------------|----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------|
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | CSW STRAW WATTLES | CALIFORNIA STRAW WORKS 916/453-1456 ACF WEST 503/771-5115 | 07/13/06 | 1794 | A | DO NOT USE IN WATER. NOT RE-UESABLE. DO NOT USE FOR OVERLAND SHEET FLOW. WAS KEY TO GREEN STRAW WATTLES |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | EARTHSAVER 8.25x25 Wheat Straw Wattle | EARTHSAVERS EROSION CONTROL 530/662-7700 | 05/31/12 | 4410 | A | PHOTODEGRADABLE |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | EARTHSAVER RICE STRAW WATTLES | RH DYCK 530/662-7700 BUSSARD EROSION 800/252-2692 CSI GEOSYNTHETICS 360/699-1426 | 07/11/02 | 2431 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | IEC 9" STRAW WATTLE | IDAHO EROSION CONTROL 208/329-9120 PACIFIC GEOSOURCE 503/261-3515 | 10/14/10 | 4184 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | OSW-R9 STRAW WATTLE | OREGON STRAW WATTLE 503/519-0848 | 12/11/08 | 3722 | A | RYE STRAW |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | RICE STRAW FIBER ROLL | KRISTAR ENTERPRIS 800/579-8819 | 11/09/06 | 2634 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | SEDIMENTSTOP | NORTH AMERICAN GREEN 800/772-2040 ACF WEST 800/878-5115 | 07/13/06 | 3286 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | SLOPEGARD 1 | KRISTAR ENTERPRIS 800/579-8819 | 11/09/06 | 2632 | A | APPEARS OK AS TYPE 3 SEDIMENT BARRIER. |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | SOIL STOPPERS RICE STRAW WATTL 9" WATTLE | SOIL STOPPERS 209/993-2109 | 03/08/07 | 3439 | A | |

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|------------------------|------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------|
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | SS FIBER ROLLS (9X25) UV | EROSION CONTROL SERVICES MARK CLELLAND 208/337-4620 | 04/08/10 | 3928 | A | TYPE 3. |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | WESTERN FIBER 9" STRAW WATTLE | WESTERN FIBER CO. 661/854-5556 OR 310/939-9254 | 11/13/08 | 3710 | A | WHEAT STRAW. |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 | WOVEN POLYPROPYLENE SANDBAG MODEL: PPB1426T1600 | SACRAMENTO BAG CO 800/287-2247 BUSSARD EROSION CONTROL 800/252-2692 | 07/11/02 | 2429 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 3 STRAW WATTLE | PERMALOK/PERMEATEX STRAW WATTL | NORTHWEST LININGS & GEOTEXTILE 253/867-5366 | 10/14/10 | 4194 | A | RICE STRAW |
| 00280.16E | SEDIMENT BARRIER, TYPE 6 | TRIANGULAR SILT DIKE | TRIANGULAR SILT DIKE CO, INC. REP: JASON ROACH 405/741-7406 CSI GEOSYNTHETICS 800/426-7976 | 09/13/01 | 1592 | A | DO NOT USE IN WATER. RE-USEABLE. SUITABLE SUBSTITUTION FOR SAND BAGS. |
| 00280.16E | SEDIMENT BARRIER, TYPE 7 | ENVIRONMENTAL BARRICADE | BONAR PLASTICS 360/887-2230 ENVIRONMENTAL BARRICADES RICHARD STRIEFEL 800/656-1296 | 06/14/01 | 2401 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 7 | GEOBALE | GEOHAY 864/472-7000 | 12/13/07 | 3579 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 7 | GEOFILTER | GEOHAY 864/472-7000 | 12/13/07 | 3580 | A | |
| 00280.16E | SEDIMENT BARRIER, TYPE 7 | TRIANGULAR SILT DIKE | TRIANGULAR SILT DIKE CO, INC. REP: JASON ROACH 405/741-7406 CSI GEOSYNTHETICS 800/426-7976 | 09/13/01 | 1592 | A | DO NOT USE IN WATER. RE-USEABLE. SUITABLE SUBSTITUTION FOR SAND BAGS. |

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|------------------------|---------------------------|----------------------------------------|-------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------------------------------------|
| 00280.16F | SEDIMENT MAT | SEDIMAT | INDIAN VALLEY INDUSTRIES 800/659-5111 CSI GEOSYNTHETICS 800/426-7976 | 06/14/07 | 1924 | A | FOR USE ON DOWNSTREAM END OF OUTLET END OF PIPE. |
| 00350.00 | GEOCELL | ENVIROGRID | GEO PRODUCTS 281/820-5493 CSI GEOSYNTHETICS 800/426-7976 | 05/08/03 | 2699 | A | POLYETHYLENE CELLULAR CONFINEMENT SYSTEM. ANCHORED WITH J-HOOKS. DESIGNED TO BE FILLED WITH A VARIETY OF ITEMS. |
| 00390.00 | SLOPE PROTECTION - TYPE 3 | ARMORFLEX CLOSED CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 01/10/08 | 3590 | A | |
| 00390.00 | SLOPE PROTECTION - TYPE 3 | ARMORFLEX OPEN CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 02/14/08 | 3575 | A | |
| 00390.00 | SLOPE PROTECTION - TYPE 3 | ARMORFLEX TAPERED CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 02/14/08 | 3591 | A | |
| 00390.00 | SLOPE PROTECTION - TYPE 3 | HYDRAPAM(L) LIQUID | INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/10/11 | 4318 | A | |
| 00390.00 | SLOPE PROTECTION - TYPE 3 | HYDROPAM | EVONIK STOCKHAUSEN336/335-3871 INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/11/10 | 1854 | A | |
| 00390.00 | SLOPE PROTECTION - TYPE 3 | HYDROPAM L | EVONIK STOCKHAUSEN336/335-3871 INNOVATIVE TURF SOLUTIONS 513/317-8311 | 03/11/10 | 3969 | A | |
| 00398.00 | ROCK BOLTS | R1J SOLID REBAR SPIN-LOCK BOLT #R1J | WILLIAMS FORM 800/255-0560 OR 503/285-4548 | 08/11/11 | 4452 | A | THIS IS MADE W/DOMESTIC STEEL. |

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|------------------------|-----------------------------------|------------------------------------------------------|---------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------------|
| 00398.00 | ROCK BOLTS | WILLIAMS HOLLOW CORE SPIN LOCK #R1H, #R1HT, #R1HG | WILLIAMS FORM 800/255-0560 | 10/09/03 | 2891 | A | THIS PRODUCT INCLUDES FOREIGN STEEL. USE ONLY WHEN SPECS ALLOW FOREIGN STEEL. |
| 00433.00 | PREFORMED DITCH LINER | SMARTDITCH | PENDA CORPORATION 800/356-7704 | 08/23/12 | 3864 | Q | CONTACT STANDARDS ENGINEER BEFORE USE |
| 00440.14 | PRE-PACKAGED DRY BLENDED CONCRETE | QUIKRETE CRACK RESISTANT CONCRETE MIX | THE QUIKRETE COMPANIES 503/982-4244 | 02/22/16 | 4943 | A | TO BE USED FOR VISUALLY ACCEPTED WORK ITEMS |
| 00445.00 | MISC OPTIONS | TRENCHLESS TECHNOLOGY | NO LIST AT THIS TIME. | 01/25/01 | | Q | ODOT TRENCHLESS TECHNOLOGY ROBERT TREVIS AT 503/986-3382 REHAB & REPLACEMENT OF STORM SEWERS & CULVERTS. |
| 00445.12 | ASPHALTIC MASTIC PIPE COATING | HENRY HE906 FLASHMASTER PLUS | HENRY CO. 800/851-1131 | 09/11/03 | 2859 | A | MEETS AASHTO M243. SEE ODOT SECTION 00445.12 AND ODOT SECTION 00445.47 |
| 00446.00 | TRENCH DRAIN - TYPE 1 PREFORMED | POLYCAST 900 | POLYCAST TRENCH DRAIN SYSTEM BY HUBBELL 206/484-8236 | 12/24/12 | 4267 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 1 PREFORMED | POLYCAST TRENCH DRAIN FP 1200 SERIES | POLYCAST TRENCH DRAIN SYSTEM BY HUBBELL 206/484-8236 | 10/12/12 | 4525 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 1 PREFORMED | POLYCAST TRENCH DRAIN FP 800 SERIES | POLYCAST TRENCH DRAIN SYSTEM BY HUBBELL 206/484-8236 | 10/12/12 | 4524 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 1 PREFORMED | Z-882 | ZURN INDUSTRIES 800/906-5060 MECHAGENTS 509/249-8050 | 12/12/12 | 2900 | A | REVIEW WITH STANDARDS ENGINEER |

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|------------------------|---------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------|
| 00446.00 | TRENCH DRAIN - TYPE 1 PREFORMED | Z-886 | ZURN INDUSTRIES 800/906-5060 MECHAGENTS 509/249-8050 | 12/12/12 | 2901 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 1 PREFORMED | Z-888 12" | ZURN INDUSTRIES 800/906-5060 MECHAGENTS 509/249-8050 | 04/14/11 | 2245 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 1 PREFORMED | Z-888 HIGH 18" | ZURN INDUSTRIES 800/906-5060 MECHAGENTS 509/249-8050 | 12/12/12 | 2245 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 1 PREFORMED, MONOLITHIC | ACO HIGHWAY DRAIN HD200 | ACO POLYMERS 888/490-9552 JEFF LIPP 425/770-0176 | 11/13/08 | 3650 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | POLYCAST 3000 | POLYCAST TRENCH DRAIN SYSTEM BY HUBBELL 206/484-8236 | 10/12/12 | 4268 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | POLYCAST 900 | POLYCAST TRENCH DRAIN SYSTEM BY HUBBELL 206/484-8236 | 10/12/12 | 4267 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | POLYCAST TRENCH DRAIN FP 1200 SERIES | POLYCAST TRENCH DRAIN SYSTEM BY HUBBELL 206/484-8236 | 10/12/12 | 4525 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | POLYCAST TRENCH DRAIN FP 800 SERIES | POLYCAST TRENCH DRAIN SYSTEM BY HUBBELL 206/484-8236 | 10/12/12 | 4524 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | POLYDRAIN INTERCEPTOR A-67 W/2542 GRATE | ABT, INC. 800/438-6057 BRAD SHORT 949/633-6111 NATHAN PAUL 443/956-9471 | 12/12/12 | 4420 | A | REVIEW WITH STANDARDS ENGINEER |

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|------------------------|---------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------|
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | POLYDRAIN INTERCEPTOR A-67 W/2552 GRATE | ABT, INC. 800/438-6057 BRAD SHORT 949/633-6111 NATHAN PAUL 443/956-9471 | 12/12/12 | 4421 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | TRENCH FORMER MHD 8" | ABT, INC. 800/438-6057 BRAD SHORT 949/633-6111 NATHAN PAUL 443/956-9471 | 12/12/12 | 4422 | A | REVIEW WITH STANDARDS ENGINEER USES FOAM INSERT TO FORM CHANNEL IN CONCRETE |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | TRENCH FORMERMHD 12" | ABT, INC. 800/438-6057 BRAD SHORT 949/633-6111 NATHAN PAUL 443/956-9471 | 12/12/12 | 4423 | A | REVIEW WITH STANDARDS ENGINEER USES FOAM INSERT TO FORM CHANNEL IN CONCRETE |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | Z-882 | ZURN INDUSTRIES 800/906-5060 MECHAGENTS 509/249-8050 | 12/12/12 | 2900 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | Z-886 | ZURN INDUSTRIES 800/906-5060 MECHAGENTS 509/249-8050 | 06/10/04 | 2901 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | Z-888 HIGH 12" | ZURN INDUSTRIES 800/906-5060 MECHAGENTS 509/249-8050 | 12/12/12 | 2245 | A | REVIEW WITH STANDARDS ENGINEER |
| 00446.00 | TRENCH DRAIN - TYPE 2 PREFORMED | Z-888 HIGH 18" | ZURN INDUSTRIES 800/906-5060 MECHAGENTS 509/249-8050 | 12/12/12 | 2245 | A | REVIEW WITH STANDARDS ENGINEER |
| 00470.00 | INLET FRAME G-2, G-2M, G-2MA, CG-2 | 7739Z INLET FRAME G-2 MODEL: 00773911 | EJ IRON WORKS Frank Ray 503/550-1828 800/626-4653 | 06/10/10 | 3967 | A | |
| 00470.00 | INLET FRAME G-2, G-2M, G-2MA, CG-2 | 7739Z1 REVERSIBLE INLET FRM G2 MODEL: 00773913 | EJ IRON WORKS Frank Ray 503/550-1828 800/626-4653 | 06/10/10 | 3968 | A | |

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| 00470.00 | INLET GRATE | DUCTILE INLET GRATE TYPE 3 I-4501-04 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4635 | A | DUCTILE IRON |
| 00470.00 | INLET GRATE G-1, CG-1 | DUCTILE INLET GRATE G-1 I-4503-01 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4655 | A | |
| 00470.00 | INLET GRATE G-1, CG-1 | DUCTILE INLET GRATE G-1 (1/2" ADA Slot) I-4503-02 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4656 | A | |
| 00470.00 | INLET GRATE G-2, G-2M, G-2MA, CG-2 | EAST JORDAN INLET GRATE G-2 #00773935 | EJ IRON WORKS Frank Ray 503/550-1828 800/626-4653 | 05/08/08 | 3617 | A | |
| 00470.00 | INLET GRATE G-2, G-2M, G-2MA, CG-2 | Inlet Grate G-2 I-4500-01 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4634 | A | DUCTILE IRON |
| 00470.00 | MANHOLE ADJUSTING RING | PRORING MH GRADE ADJUSTMENT FINISH RING | CRETEX SPECIALTY PRODUCTS 800/345-3764 | 12/24/12 | 4415 | A | |
| 00470.00 | MANHOLE ADJUSTING RING | PRORING MH GRADE ADJUSTMENT RING | CRETEX SPECIALTY PRODUCTS 800/345-3764 | 12/24/12 | 4416 | A | |
| 00470.00 | MANHOLE ADJUSTING RING | PRORING MH GRADE ADJUSTMENT ANGLR RING | CRETEX SPECIALTY PRODUCTS 800/345-3764 | 12/24/12 | 4417 | A | |
| 00470.00 | MANHOLE COVER | 16 HOLE 3 BOLT MANHOLE COVER A-2107-12 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4644 | A | |

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| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|-----------------|-------------------------------------------------|---------------------------------------------------------|-----------------------|-----------------------|-------------|----------------|
| 00470.00 | MANHOLE COVER | 16 HOLE MANHOLE COVER A-2107-01 A-2107-01 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4642 | A | |
| 00470.00 | MANHOLE COVER | 2 HOLE 3 BOLT MANHOLE COVER A-2107-14 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4645 | A | |
| 00470.00 | MANHOLE COVER | 2 HOLE SUB/STAN MANHOLE COVER A-2107-03 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4643 | A | |
| 00470.00 | MANHOLE COVER | EAST JORDAN 2603C3 #00260420 | EJ IRON WORKS Frank Ray 503/550-1828 800/626-4653 | 05/08/08 | 3615 | A | |
| 00470.00 | MANHOLE COVER | GMI 26" COMPOSITE COVER & FRAME | GMI COMPOSITES, INC 811/755-1611 | 12/24/10 | 4290 | A | |
| 00470.00 | MANHOLE COVER | WATER TIGHT SUB/STAN MANHOLE COVER A-2107-15 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4646 | A | WATER TIGHT |
| 00470.00 | MANHOLE FRAME | 3 BOLT STANDARD MANHOLE RING A-2107-R3 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4648 | A | |
| 00470.00 | MANHOLE FRAME | 3 BOLT STANDARD MANHOLE RING A-2108-R3 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4650 | A | |
| 00470.00 | MANHOLE FRAME | EAST JORDAN 2603Z1 #00260315 | EJ IRON WORKS Frank Ray 503/550-1828 800/626-4653 | 05/08/08 | 3616 | A | |

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|------------------------|--------------------|----------------------------------------------------|-------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------|
| 00470.00 | MANHOLE FRAME | GMI 26" COMPOSITE COVER & FRAME | GMI COMPOSITES, INC 811/755-1611 | 12/24/10 | 4290 | A | LOCKING MANHOLE FRAME AND COVE USED TOGETHER |
| 00470.00 | MANHOLE FRAME | STANDARD BOLTED GASKETED MANHOLE RING A-2110-R3 | D&L FOUNDRY 509/765-7952 | 08/08/14 | 4774 | A | WATER TIGHT |
| 00470.00 | MANHOLE FRAME | STANDARD BOLTED MANHOLE RING A-2110-R2 | D&L FOUNDRY 509/765-7952 | 08/08/14 | 4773 | A | |
| 00470.00 | MANHOLE FRAME | STANDARD MANHOLE RING A-2108-R1 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4649 | A | |
| 00470.00 | MANHOLE FRAME | STANDARD MANHOLE RING A-2110-R1 | D&L FOUNDRY 509/765-7952 | 08/08/14 | 4772 | A | |
| 00470.00 | MANHOLE FRAME | SUBURBAN MANHOLE RING A-2107-R2 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4647 | A | |
| 00470.00 | MANHOLE RISER RING | 1 1/2" PAVING RISER G-2051-R1 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4637 | A | |
| 00470.00 | MANHOLE RISER RING | 1 1/4" PAVING RISER G-2050-R1 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4636 | A | |
| 00470.00 | MANHOLE RISER RING | 2 1/2" PAVING RISER G-2052-R2 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4639 | A | |

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|------------------------|---------------------------------------|------------------------------|--------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|
| 00470.00 | MANHOLE RISER RING | 2" PAVING RISER G-2052-R1 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4638 | A | |
| 00470.00 | MANHOLE RISER RING | 3" PAVING RISER G-2053-R1 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4640 | A | |
| 00470.00 | MANHOLE RISER RING | 4" PAVING RISER G-2054-R1 | D&L FOUNDRY 509/765-7952 | 08/27/13 | 4641 | A | |
| 00470.00 | MANHOLE RISER RING | INFRA-RISER | EJ IRON WORKS Frank Ray 503/550-1828 800/626-4653 | 01/10/08 | 3546 | A | RECYCLED RUBBER COMPOSITE. |
| 00470.00 | MANHOLE RISER RING | LADTECH HDPE M.H. RISER RING | LADTECH - DWIGHT 877/235-7464 GREG BRUCE 801/649-6125 EXT 1 | 09/10/98 | 1730 | A | RECYCLED PLASTIC HDPE. MFG SAYS SPECIAL GROOVE IS NECESSARY TO FIT OUR MUD RINGS. SEE LEWIS TITUS. |
| 00470.00 | MANHOLE RISER RING | WHIRLYGIG MANHOLE COLLAR | WHIRLYGIG COMPANY 800/307-4263 | 04/13/00 | 2156 | A | CUSTOM TRIMMED THERMOPLASTIC CONCRETE FORM SYSTEM. |
| 00470.00 | MANHOLE, PLASTIC NON-TRAFFIC AREAS | RHINO HDPE MANHOLES | RHINO USA OF OREGON 877/857-4817 OR 541/269-9964 | 06/14/01 | 2208 | A | HDPE POLYETHYLENE, TYPE III, CAT 3, CLASS B, PER ASTM D3350 FOR NON TRAFFIC AREAS ONLY. |
| 00470.00 | PVC INLET | NYLOPLAST DRAIN BASIN | NYLOPLAST, A DIV OF ADS DEREK VON CANNON 801/419-1720 866/888-8479 | 02/08/07 | 2786 | A | NON-WHEEL TRACK USING APPROVED FRAME/GRATES. NO INTERSTATES. MIN COVER: 2', MAX DEPTH: 8'. 18", 24", & 30" DIA ONLY. |
| 00470.00 | PVC INLET CG-2 | NYLOPLAST CURB INLET CG-2 | NYLOPLAST, A DIV OF ADS DEREK VON CANNON 801/419-1720 866/888-8479 | 02/08/07 | 2787 | A | NON-WHEEL TRACK USING APPROVED FRAME/GRATES. NO INTERSTATES. MIN COVER: 2', MAX DEPTH: 8'. 18", 24", & 30" DIA ONLY. |

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|------------------------|------------------------|----------------------------|----------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------|
| 00470.00 | PVC INLET G-1 & G-2 | NYLOPLAST ROAD & HWY BASIN | NYLOPLAST, A DIV OF ADS DEREK VON CANNON 801/419-1720 866/888-8479 | 02/08/07 | 2785 | A | NON-WHEEL TRACK USING APPROVED FRAME/GRATES. NO INTERSTATES. MIN COVER: 2', MAX DEPTH: 8'. 18", 24", & 30" DIA ONLY. |
| 00512.14 | SYNTHETIC SLURRY | SHORE PAC | CETCO CONSTRUCTION DRILLING 800/527-9948 OR 847/392-5800 WAS CALLED SHORE PAC GCV 5/08 | 08/10/06 | 3345 | A | |
| 00512.14 | SYNTHETIC SLURRY | SLURRY PRO CDP | KB INTERNATIONAL 423/266-6964 SINCLAIR 562/403-3559 | 08/10/06 | 3343 | A | |
| 00512.14 | SYNTHETIC SLURRY | SUPER MUD | PDS COMPANY 562/634-8180 | 08/10/06 | 3344 | A | |
| 00512.14 | SYNTHETIC SLURRY | TERRAGEL | GEO-TECH SERVICES 210/587-4758 | 08/10/06 | 3346 | A | Was Novagel Name Change 2013 |
| 00520.00 | PILE TIPS HP10X42 | HP77600-B-18# 10" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 3359 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP10X42 | HP77750-B 10" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2500 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP10X42 | SUPER BITE POINT PAR10T | ASSOCIATED PILE & FITTING 800/526-9047 | 05/12/11 | 4364 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP10X42 | VERSA STEEL VS310N | VERSA STEEL 800/678-0814 | 03/13/03 | 2770 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |

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|------------------------|-------------------|-------------------------|-------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------------|
| 00520.00 | PILE TIPS HP10X57 | HP77600-B-18# 10" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 3359 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP10X57 | VERSA STEEL VS310N | VERSA STEEL 800/678-0814 | 03/13/03 | 2770 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X53 | HP77600-B-30# 12" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 3360 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X53 | HP77750-B 12" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2541 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X53 | HP7780-B 12" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2501 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X53 | SUPER BITE POINT PAR12T | ASSOCIATED PILE & FITTING 800/526-9047 | 05/12/11 | 4365 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X53 | VERSA STEEL VS312N | VERSA STEEL 800/678-0814 | 03/13/03 | 2771 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X63 | HP77600-B-30# 12" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 3360 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X63 | SUPER BITE POINT PAR12T | ASSOCIATED PILE & FITTING 800/526-9047 | 05/12/11 | 4365 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |

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| 00520.00 | PILE TIPS HP12X63 | VERSA STEEL VS312N | VERSA STEEL 800/678-0814 | 03/13/03 | 2771 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X74 | HP77600-B-30# 12" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 3360 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X74 | HP77750-B 12" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2541 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X74 | SUPER BITE POINT PAR12T | ASSOCIATED PILE & FITTING 800/526-9047 | 05/12/11 | 4365 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X74 | VERSA STEEL VS312N | VERSA STEEL 800/678-0814 | 03/13/03 | 2771 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X84 | HP77600-B-30# 12" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 3360 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP12X84 | VERSA STEEL VS312N | VERSA STEEL 800/678-0814 | 03/13/03 | 2771 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X102 | HP77600-B-46 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 04/12/07 | 3471 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X102 | HP77750-B 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2542 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |

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| 00520.00 | PILE TIPS HP14X102 | VERSA STEEL VS314-117N | VERSA STEEL 800/678-0814 | 03/13/03 | 2773 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X117 | HP77600-B-46 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 04/12/07 | 3471 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X117 | HP77750-B 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2542 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X117 | VERSA STEEL VS314-117N | VERSA STEEL 800/678-0814 | 03/13/03 | 2773 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X73 | HP77600-B 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2502 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X73 | HP77600-B-46 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 04/12/07 | 3471 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X73 | HP77750-B 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2542 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X73 | SUPER BITE POINT PAR14T | ASSOCIATED PILE & FITTING 800/526-9047 | 05/12/11 | 4366 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X73 | VERSA STEEL VS314-117N | VERSA STEEL 800/678-0814 | 01/12/06 | 2773 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |

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| 00520.00 | PILE TIPS HP14X73 | VERSA STEEL VS314-89N | VERSA STEEL 800/678-0814 | 03/13/03 | 2772 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X89 | HP77600-B 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2502 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X89 | HP77600-B-46 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 04/12/07 | 3471 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT # MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X89 | HP77750-B 14" | ASSOCIATED PILE & FITTING 800/526-9047 | 08/08/07 | 2542 | Q | EACH CAST STEEL POINT SHALL BE LEGIBLY MARKED W/HEAT OR LOT# MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X89 | SUPER BITE POINT PAR14T | ASSOCIATED PILE & FITTING 800/526-9047 | 05/12/11 | 4366 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X89 | VERSA STEEL VS314-117N | VERSA STEEL 800/678-0814 | 01/12/06 | 2773 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00520.00 | PILE TIPS HP14X89 | VERSA STEEL VS314-89N | VERSA STEEL 800/678-0814 | 03/13/03 | 2772 | Q | VERIFY HEAT OR LOT # ON TIP. MILL CERTS REQUIRED. |
| 00530.00 | REBAR MANUFACTURER | ARCELORMITTAL-VINTON TX | ARCELORMITTAL-VINTON TX 915/231-4553 | 03/11/10 | 1841 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. WAS BORDER STEEL. |
| 00530.00 | REBAR MANUFACTURER | CASCADE STEEL ROLLING MILLS | CASCADE STEEL ROLLING MILLS 800/283-2776 OR 503/222-6824 | 01/25/94 | 1111 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. |

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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------|------------------------------------------------|-------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------|
| 00530.00 | REBAR MANUFACTURER | CMC STEEL - MESA AZ | CMC STEEL - MESA AZ 480/396-7127 | 03/11/10 | 4118 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. |
| 00530.00 | REBAR MANUFACTURER | EVRAZ INC, NA-PUEBLO COLORADO | EVRAZ 719/561-6009 | 07/08/10 | 1621 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. WAS CF&I, ROCKY MOUNTAIN NOW EVRAS. |
| 00530.00 | REBAR MANUFACTURER | GERDAU AMERISTEEL - BEAUMONT COILED #3 - #5 | GERDAU AMERISTEEL 409/474-1999 | 01/06/15 | 4838 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. |
| 00530.00 | REBAR MANUFACTURER | GERDAU AMERISTEEL - RANCHO CUCAMONGA | GERDAU AMERISTEEL 909/899-0660 | 08/05/98 | 1842 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. WAS TAMCO STEEL |
| 00530.00 | REBAR MANUFACTURER | GERDAU AMERISTEEL - ST. PAUL | GERDAU AMERISTEEL 651/731-5644 | 01/27/97 | 1623 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. |
| 00530.00 | REBAR MANUFACTURER | GERDAU AMERISTEEL - WILTON | GERDAU AMERISTEEL 537/732-4552 | 09/11/08 | 1622 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. |
| 00530.00 | REBAR MANUFACTURER | NUCOR - SEATTLE | NUCOR CORPORATION WINKY LAI 206/933-2288 800/428-9005 | 02/12/04 | 2935 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. |
| 00530.00 | REBAR MANUFACTURER | NUCOR - UTAH | NUCOR CORPORATION 800/677-1012 OR 800/428-9005 801/458-3691 | 01/25/94 | 1112 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. |
| 00530.00 | REBAR MANUFACTURER | NUCOR-BOURBONNAIS | NUCOR STEEL KANKAKEE 815/939-5532 | 03/16/16 | 4943 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. |

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| 00530.00 | REBAR MANUFACTURER | NUCOR-KINGMAN AZ | NUCOR STEEL KINGMAN AZ 928/718/7035 | 03/09/11 | 4356 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. COILED BAR |
| 00530.00 | REBAR MANUFACTURER EPOXY COATED | HARRIS REBAR EPOXY COATED REBAR | HARRIS REBAR 253/804-8884 | 12/09/14 | 4832 | A | |
| 00530.00 | REBAR MANUFACTURER EPOXY COATED | WESTERN COATING, INC. | WESTERN COATING, INC. TOM WHITISH 800/835-0576 | 05/12/94 | 1115 | A | SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 1 | BARGRIP STD. TYPE 1 | BARSPlice PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 10/04/90 | 544 | Q | #3 - #14 BLACK BAR ONLY NOT FOR COLUMN BARS FOR BRIDGE RAISING APPLICATIONS. (SWAGED) |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 1 | BARSPlicER XP | BARSPlice PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 01/14/10 | 3946 | Q | #4 - #11 COATED BAR THREADED WITH FLANGE |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 1 | LENTON FORM SAVER SA | ERICO PRODUCTS INC. 440-248-0100 | 09/14/06 | 3353 | Q | #4 - #8 THREADED WITH FLANGE |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 1 | ZAP SCREWLOK - EPOXY | BARSPlice PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 05/08/97 | 1628 | Q | #3 - #14 COATED BAR |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | BARGRIP XL | BARSPlice PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 01/14/10 | 3945 | Q | #4 - #14 BLACK & COATED BAR NOT FOR COLUMN BARS FOR BRIDGE RAISING APPLICATIONS. (SWAGED) |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | BAR-LOCK L-SERIES | BAR-LOCK 800/755-4888 PART OF DAYTON SUPERIOR MATT CROSS 360/961-6888 | 08/12/93 | 1031 | Q | #4 - # 14 BLACK BAR ONLY SHEAR BOLT TYPE |

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| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | BARSPLICER XP | BARSPlice PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 01/14/10 | 3946 | Q | #4 - #11 BLACK BAR ONLY THREADED WITH FLANGE |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | BARTEC | DEXTRA AMERICA 877/327-0800 | 10/09/08 | 3595 | Q | BLACK BAR ONLY COLD FORGED/THREADED |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | CADWELD REBAR SPLICE | ERICO PRODUCTS INC. 440/248-0100 | 05/01/88 | 1355 | Q | #5, #8, #14 BLACK BAR ONLY METAL FILLED TYPE |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | GRIPTEC | DEXTRA AMERICA 877/327-0800 | 10/09/08 | 3594 | Q | BLACK BAR ONLY SWAGED/THREADED |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | LENTON LOCK B1 | ERICO PRODUCTS INC. 440/248-0100 | 06/11/09 | 3804 | Q | #4 - #11 BLACK BAR ONLY SHEAR BOLT TYPE |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | LENTON POSITION P9 | ERICO PRODUCTS INC. 440/248-0100 | 06/11/09 | 3806 | Q | #4 - #18 BLACK BAR ONLY THREADED |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | LENTON STANDARD COUPLER A2 | ERICO PRODUCTS INC. 440/248-0100 | 08/01/89 | 770 | Q | #3 - #18 BLACK BAR ONLY. THREADED |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | TAPER THREADED GRIP-TWIST POSITION | BARSPlice PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 26/13/ | 4597 | Q | #5 - #18 BLACK BAR ONLY THREADED/SWAGED |
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | TAPER THREADED GRIP TWIST | BARSPlice PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 04/08/10 | 2784 | Q | #4 - #18 BLACK BAR ONLY THREADED/SWAGED |

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|------------------------|----------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------|
| 00530.42 | SPLICE, BUTT, MECHANICAL TYPE 2 | ZAP SCREWLOK - TYPE 2 | BARSPLICE PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 05/08/97 | 1628 | Q | #3 - #14 BLACK BAR ONLY |
| 00530.42 | SPLICE, BUTT, MECHANICAL REBAR TRANSITION TYPE 2 | LENTON A2 TRANSITION SPLICE | ERICO PRODUCTS INC. 440-248-0100 | 10/14/10 | 4219 | Q | #3 - #14 BLACK BAR ONLY. |
| 00530.42 | SPLICE, BUTT, MECHANICAL REBAR TRANSITION TYPE 2 | ZAP SCREWLOK TRANSITION | BARSPLICE PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 10/08/09 | 3925 | Q | #4 - #14 BLACK BAR ONLY |
| 00530.42 | SPLICE, LAP, MECHANICAL TYPE 1 | QUICK WEDGE | ERICO PRODUCTS INC. 440/248-0100 | 09/28/05 | 610 | Q | #3 - #6 BLACK BAR ONLY 2 SPLICES REQUIRED FOR EACH LOCATION FOR ALL INSTALLATIONS |
| 00530.42 | SPLICE, LAP, MECHANICAL TYPE 1 | ZAP DOUBLE BARREL SCREWLOK | BARSPLICE PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 01/14/10 | 3358 | Q | #4 - #7 BLACK & COATED BAR |
| 00530.42 | SPLICE, LAP, MECHANICAL REBAR TRANSITION TYPE 1 | ZAP DOUBLE BARREL TRANSITION | BARSPLICE PRODUCTS INC 4900 WEBSTER ST. DAYTON OH 45414 JOHN STEVENSON 937/275-8700 | 10/08/09 | 3926 | Q | #3 - #8 BLACK BAR ONLY |
| 00535.10 | CONCRETE ANCHOR, MECH VERY LOW STRENGTH DYNAMIC LOADINGS | POWER BOLT EXPANSION ANCHOR | POWERS FASTENERS ROBERT AURISY 800/524-3244 SALES NORTHWEST 206/762-5812 | 10/12/00 | 1975 | Q | VERY LOW STRENGTH APPLICATIONS CK. SPECS AND MFG INSTRUCTIONS OF RECORD. NOT AN EQUAL TO LO STRENGTH. GALV/STAINLESS. |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | ACRYLIC TIE MMA | SIMPSON STRONG-TIE DEREK HARDY 206/304-1842 800-999-5099 WHITE CAP 503/287-4151 | 07/10/08 | 2265 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | AWA-GEL EPOXY | E-Chem, LLC James High 505/217-2121 | 05/22/13 | 4653 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |

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| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | COVERT CIA-GEL 7000 EPOXY | USP STRUCTURAL CONNECTORS JENNIFER TUREK 507/364-8368 800/328-5934 | 06/12/08 | 724 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | EDOT EPOXY-TIE EPOXY | SIMPSON STRONG-TIE DEREK HARDY 206/304-1842 800-999-5099 WHITE CAP 503/287-4151 | 09/10/09 | 3685 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | EP-GEL FAST EPOXY | E-Chem, LLC James High 505/217-2121 | 05/22/13 | 4651 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | FIXMASTER ANCHOR BOLT GROUT HP EPOXY | ADHESIVES TECHNOLOGY RICHARD BOLAND 800/892-1880 | 05/12/14 | 4451 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | HILTI HIT HY-150 MAX HYBRIDIZED EPOXY | HILTI, INC. 800/879-8000 TIM NORDSTROM 206/330-8055 ZACK CLINARD 503/701-4429 | 03/10/11 | 4163 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | HILTI HIT RE500 EPOXY | HILTI, INC. 800/879-8000 TIM NORDSTROM 206/330-8055 ZACK CLINARD 503/701-4429 | 07/10/08 | 2519 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | HILTI HIT-HY 200-A EPOXY | HILTI, INC. 800/879-8000 TIM NORDSTROM 206/330-8055 ZACK CLINARD 503/701-4429 | 06/29/16 | 4955 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | HILTI HIT-RE 100 EPOXY | HILTI, INC. 800/879-8000 TIM NORDSTROM 206/330-8055 ZACK CLINARD 503/701-4429 | 07/01/16 | 4965 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | HILTI HIT-RE 500V3 EPOXY | HILTI, INC. 800/879-8000 TIM NORDSTROM 206/330-8055 ZACK CLINARD 503/701-4429 | 07/01/16 | 4966 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |

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| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | HILTI HTE 50 EPOXY | HILTI, INC. 800/879-8000 TIM NORDSTROM 206/330-8055 ZACK CLINARD 503/701-4429 | 09/10/09 | 3947 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | HILTI HVU ADHESIVE CAPSULE VINYL-URETHANE METHACRYLATE | HILTI, INC. 800/879-8000 TIM NORDSTROM 206/330-8055 ZACK CLINARD 503/701-4429 | 07/10/08 | 1787 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | HILTI HY-150 METHACRYLATE/CEMENT | HILTI, INC. 800/879-8000 TIM NORDSTROM 206/330-8055 ZACK CLINARD 503/701-4429 | 07/10/08 | 1788 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | PE1000+ | POWERS FASTENERS ROBERT AURISY 800/524-3244 SALES NORTHWEST 206/762-5812 | 10/08/09 | 3927 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | PECORA DYNAPOXY EP-430 FAST EPOXY | PECORA CORP 215/799-7557 ATLAS SUPPLY 800/806-7952 | 03/10/11 | 4200 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | POWERS T308+ EPOXY | POWERS FASTENERS ROBERT AURISY 800/524-3244 SALES NORTHWEST 206/762-5812 | 11/12/09 | 4000 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | PRO-POXY 300 FAST EPOXY | Unitex by Dayton Superior David Minor 970/286-9229 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 06/11/09 | 1726 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | PURE 110+ EPOXY | POWERS FASTENERS ROBERT AURISY 800/524-3244 SALES NORTHWEST 206/762-5812 | 01/27/15 | 4552 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | SIMPSON SET EPOXY | SIMPSON STRONG-TIE DEREK HARDY 206/304-1842 800/999-5099 WHITE CAP 503/287-4151 | 07/10/08 | 1702 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |

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|------------------------|-----------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------------|
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | ULTRABOND 1 (WAS ULTRABOND AT) EPOXY | ADHESIVES TECHNOLOGY RICHARD BOLAND 800/892-1880 | 07/10/08 | 1285 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN HS HIGH STRENGTH | ULTRABOND HS 200 WAS ANCHOR-IT HS 200 EPOXY | ADHESIVES TECHNOLOGY RICHARD BOLAND 800/892-1880 | 06/12/08 | 185 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN LS LOW STRENGTH | FIXMASTER ANCHOR BOLT GROUT HP EPOXY | ADHESIVES TECHNOLOGY RICHARD BOLAND 800/892-1880 | 05/12/14 | 4451 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN LS LOW STRENGTH | HAMMER - CAPSULE EPOXY ACRYLATE | POWERS FASTENERS ROBERT AURISY 800/524-3244 SALES NORTHWEST 206/762-5812 | 07/10/08 | 2408 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN LS LOW STRENGTH | LIQUID ROC 300 CAPSULES POLYESTER | MKT FASTENING 800/336-1640 NORTHCOAST MANUFACTURER AGENCY JOHN STONE 206/366-8980 WILLIAMS CONCRETE 800/255-0560 | 07/10/08 | 105 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN LS LOW STRENGTH | RED HEAD EPCON G5 EPOXY. | ITW REDHEAD 800/899-7890 | 07/10/08 | 2747 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN LS LOW STRENGTH | SIMPSON ET-HP EPOXY (POLY ALL PAC-24) (ET) | SIMPSON STRONG-TIE DEREK HARDY 206/304-1842 800-999-5099 | 05/18/12 | 1001 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN LS LOW STRENGTH | ULTRABOND 2 (WAS ULTRABOND ET) EPOXY | ADHESIVES TECHNOLOGY RICHARD BOLAND 800/892-1880 | 07/10/08 | 1284 | Q | NO OVERHEAD/CONSTANT LOADS. WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PROPOSED EMBEDMENT TO THE EOR FOR APPROVAL. CREEP OK |
| 00535.10 | CONCRETE ANCHOR, RESIN LS LOW STRENGTH | ULTRABOND 4CC EPOXY | ADHESIVES TECHNOLOGY RICHARD BOLAND 800/892-1880 | 05/12/14 | 4702 | Q | LOW STRENGTH APPLICATIONS ONLY |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|-----------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------------------------------------------------|
| 00538.10 | CRACK INJECTION EPOXY | CRACKBOND LR-321 | ADHESIVES TECHNOLOGY CORP. 954/789-4764 | 07/29/16 | 4969 | A | 2 COMPONENT, HIGH MODULUS |
| 00538.10 | CRACK INJECTION EPOXY | CSS LOW VISCOSITY GROUT | CHEMCO SYSTEMS 800/757-6773 650/261-3790 | 10/09/08 | 2977 | A | |
| 00538.10 | CRACK INJECTION EPOXY | CSS STANDARD GROUT | CHEMCO SYSTEMS 800/757-6773 650/261-3790 | 07/12/07 | 2976 | A | |
| 00538.10 | CRACK INJECTION EPOXY | EPOJET | MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647 | 11/21/16 | 5009 | A | |
| 00538.10 | CRACK INJECTION EPOXY | KEMKO 038 REG IR | CHEMCO SYSTEMS 800/757-6773 650/261-3790 | 03/09/06 | 3255 | A | SAME AS KONTEK GROUT 103REG IR FOR CRACKS UP TO 0.25" WIDE. AUTOMATIC INJECTION SYSTEMS. TYPE IV, GRADE 1, CLASS B&C>50F. |
| 00538.10 | CRACK INJECTION EPOXY | KEMKO 068 LV IR | CHEMCO SYSTEMS 800/757-6773 650/261-3790 | 03/09/06 | 3254 | A | SAME AS KONTEK GROUT III LV IR FOR CRACKS UP TO 0.25" WIDE. AUTOMATIC INJECTION SYSTEMS. TYPE IV, GRADE 1, CLASS B&C. |
| 00538.10 | CRACK INJECTION EPOXY | KONTEK GROUT 103 REG IR | CONTECH SYSTEMS 650/261-3790 PETE BARLOW 206/763-9877 DON ELLSWORTH 503/223-9817 | 03/10/05 | 1569 | A | FOR CRACKS UP TO 0.25" WIDE. TWO COMPONENT EPOXY. AUTOMATIC INJECTION SYSTEMS. TYPE IV, GRADE 1, CLASS B&C>50F. |
| 00538.10 | CRACK INJECTION EPOXY | KONTEK GROUT 111 LV-IR | CONTECH SYSTEMS 650/261-3790 PETE BARLOW 206/763-9877 DON ELLSWORTH 503/223-9817 | 03/10/05 | 1568 | A | FOR CRACKS UP TO 0.25" WIDE. TWO COMPONENT EPOXY. AUTOMATIC INJECTION SYSTEMS. TYPE IV, GRADE 1, CLASS B&C. |
| 00538.10 | CRACK INJECTION EPOXY | PRO-POXY 100 WAS CALLED PRO-POXY 100LV | Unitex by Dayton Superior David Minor 970/286-9229 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 07/10/08 | 891 | A | TYPE I/III, GRADE B, CLASS B/C BONDS HARD TO HARD, OR HARD TO FRESH CONCRETES. LOW VISCOSITY USE BETWEEN 40 & 60 DEG F. |

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| 00538.10 | CRACK INJECTION EPOXY | SIKADUR 52 | SIKA CORP 800/933-7452 THAD BROWN 425/486-5916 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 11/13/08 | 548 | A | AASHTO TYPES I AND IV. |
| 00538.10 | CRACK INJECTION, EPOXY | DURAL 452 LV | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 03/17/14 | 4752 | A | |
| 00556.10A | MULTI-LAYER POLYMER CONCRETE OVERLAY EPOXY | EPX50-OVERLAY | E-Chem, LLC JAMES HIGH 505/217-2121 | 06/04/15 | 4654 | A | |
| 00556.10A | MULTI-LAYER POLYMER CONCRETE OVERLAY EPOXY | FLEXOLITH | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 01/10/08 | 230 | A | WAS FLEXOLITH 216 |
| 00556.10A | MULTI-LAYER POLYMER CONCRETE OVERLAY EPOXY | PRO-POXY TYPE III DOT | Unitex by Dayton Superior STEVE HACKWORTH 253/245-0263 WILLIAMS FORM ENG 800/255-0560 | 06/10/10 | 1920 | A | |
| 00556.10B | MULTI-LAYER POLYMER CONCRETE OVERLAY AGGREGATE | ARMORSTONE 416-NM | WASHINGTON ROCK QUARRIES 253/262-1661 | 01/14/14 | 4725 | Q | |
| 00565.00 | CFRP-WET LAY UP SYSTEM | MBT MBRACE CF 130 WAS WABOMBRACE CF130 CFRP | BASF BUILDING SYSTEMS TECH: 800/433-9517 OPTION 5 BRUCE JACKSON 503/722-4101 | 06/14/07 | 2613 | Q | MEETS CALTRANS REQUIREMENTS. FABRIC |
| 00565.00 | CFRP-WET LAY UP SYSTEM | MBT MBRACE CF 160 | BASF BUILDING SYSTEMS TECH: 800/433-9517 OPTION 5 BRUCE JACKSON 503/722-4101 | 02/11/10 | 3720 | Q | APPROVED BY BRIDGE SECTION. FABRIC |
| 00565.00 | CFRP-WET LAY UP SYSTEM | RENEW WRAP CF-335 | MILLIKEN INFRASTRUCTURE SOLUTIONS 855/655-6750 | 09/11/03 | 2681 | Q | MEETS CALTRANS REQUIREMENTS. FABRIC WAS FIBERBOND VELACARB VELACARB 335U / VELOXX LR |

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|------------------------|--------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------|
| 00565.00 | CFRP-WET LAY UP SYSTEM | RENEW WRAP CF-600 | MILLIKEN INFRASTRUCTURE SOLUTIONS 855/655-6750 | 06/10/10 | 4073 | Q | APPROVED BY BRIDGE SECTION. FABRIC WAS VELACARB 600U |
| 00565.00 | CFRP-WET LAY UP SYSTEM | SCH 41 / TYFO CFRP | FYFE CO LLC 858/642-0694 EXT 13 | 06/13/02 | 2611 | Q | MEETS CALTRANS REQUIREMENTS. FABRIC |
| 00565.00 | CFRP-WET LAY UP SYSTEM | SIKA CARBODUR CFRP | SIKA CORP 800/933-7452 THAD BROWN 425/486-5916 ATLAS SUPPLY 800/806-7952 MASON'S SUPPLY 800/537-3407 | 06/13/02 | 2612 | Q | MEETS CALTRANS REQUIREMENTS. PLATE |
| 00582.10 | COMPOSITE - DISC, FIXED REVIEWED FOR 2008 SPECS | DISKTRON | R.J. WATSON, INC. 716/691-3301 | 10/09/08 | 1509 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - DISC, FIXED REVIEWED FOR 2008 SPECS | VERSIFLEX HLMR FIXED DISC | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801 | 10/08/09 | 3883 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - DISC, GUIDED REVIEWED FOR 2008 SPECS | DISKTRON | R.J. WATSON, INC. 716/691-3301 | 10/09/08 | 1509 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - DISC, GUIDED REVIEWED FOR 2008 SPECS | VERSIFLEX HLMR GUIDED DISC | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801 | 10/08/09 | 3884 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - DISC, NON GUI REVIEWED FOR 2008 SPECS NON-GUIDED | DISKTRON | R.J. WATSON, INC. 716/691-3301 | 10/09/08 | 1509 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - DISC, NON GUI REVIEWED FOR 2008 SPECS NON-GUIDED | VERSIFLEX HLMR NON-GUIDED DISC | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801 | 10/08/09 | 3885 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------|
| 00582.10 | COMPOSITE - POT, FIXED REVIEWED FOR 2008 SPECS | TECHSTAR POT BEARING - TF | TECHSTAR, INC WARREN BROWN 419/424-0888 | 10/08/09 | 1069 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - POT, FIXED REVIEWED FOR 2008 SPECS | VERSIFLEX HLMR FIXED POT | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801 | 10/08/09 | 3886 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - POT, GUIDED REVIEWED FOR 2008 SPECS | TECHSTAR POT BEARING - TC | TECHSTAR, INC WARREN BROWN 419/424-0888 | 10/08/09 | 1069 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - POT, GUIDED REVIEWED FOR 2008 SPECS | VERSIFLEX HLMR GUIDED POT | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801 | 10/08/09 | 3887 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - POT, NON GUID REVIEWED FOR 2008 SPECS NON-GUIDED | TECHSTAR POT BEARING - TA | TECHSTAR, INC WARREN BROWN 419/424-0888 | 10/08/09 | 1069 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE - POT, NON GUID REVIEWED FOR 2008 SPECS NON-GUIDED | VERSIFLEX HLMR NON-GUIDED POT | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801 | 10/08/09 | 3888 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE-SLIDING GUIDED GUIDED | FABREEKA PTFE PAD | FABREEKA INTERNATIONAL 800/322-7352 | 06/10/10 | 3199 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | COMPOSITE-SLIDING NON GUI NON-GUIDED | FABREEKA PTFE PAD | FABREEKA INTERNATIONAL 800/322-7352 | 06/10/10 | 3199 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | ELASTOMERIC - PLAIN | ALERT PLAIN ELASTOMERIC BRG. | ALL STATE INDUSTR / ALERT MFG. 847/350-0460 | 05/12/11 | 4291 | A | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |

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| 00582.10 | ELASTOMERIC - PLAIN | SCOUGAL 60 DUROMETER PLAIN PAD | SCOUGAL RUBBER 206/763-2650 | 02/11/10 | 4093 | A | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | ELASTOMERIC - PLAIN | SEP PLAIN ELASTOMERIC BRG | SEISMIC ENERGY PRODUCTS 510/749-1320 | 09/09/10 | 4173 | A | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | ELASTOMERIC - PLAIN REVIEWED FOR 2008 SPECS | VERSIFLEX PLAIN ELASTOMERIC | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801 | 10/08/09 | 3881 | A | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | ELASTOMERIC - STEEL REINF | SCOUGAL 60 DUROMETER LAM PAD | SCOUGAL RUBBER 206/763-2650 | 02/11/10 | 4092 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | ELASTOMERIC - STEEL REINF | SEP LAMINATED ELASTOMERIC BRG | SEISMIC ENERGY PRODUCTS 510/749-1320 | 09/09/10 | 4177 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00582.10 | ELASTOMERIC - STEEL REINF REVIEWED FOR 2008 SPECS | VERSIFLEX STEEL-ELASTOMERIC | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801 | 10/08/09 | 3882 | Q | MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571. |
| 00584.10 | ELASTOMERIC CONCRETE FOR PAVING DAMS | DELCRETE 1492 URETHANE W/FIBERGLASS & SAND. | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503/646-0801 | 05/01/89 | 406 | Q | SAND AND FIBERGLASS. NOT TO BE CONFUSED WITH DEL-AGG, WHICH IS NOT APPROVED. DEL-AGG HAS LARGER ROCK & NO FIBERGLASS. |
| 00584.10 | ELASTOMERIC CONCRETE FOR PAVING DAMS | KBP PPC-1121 POLYESTER | KWIK BOND POLYMERS DAN UL DALL 360/600-7762 | 08/25/16 | 4973 | Q | REQUIRES KBP 204 PRIMER ON PCC SURFACE |
| 00584.10 | ELASTOMERIC CONCRETE FOR PAVING DAMS | PLY-KRETE FS POLYURETHANE MOD. (3 PART) | Polyset Company 518/664-6000 Williams Concrete Acc.503/286-3647 | 07/25/13 | 4612 | Q | FOLLOW MFG RECOMMENDATIONS. |

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| 00584.10 | ELASTOMERIC CONCRETE FOR PAVING DAMS | SILSPEC 900 PNS | SSI CONSTRUCTION & MATERIALS 800/888-8909 ATLAS SUPPLY 800/806/7952 | 07/14/05 | 944 | Q | 2 PART POLYMER EPOXY |
| 00584.10 | ELASTOMERIC CONCRETE FOR PAVING DAMS | WABOCRETE II POLYURETHANE (3 PARTS) | WATSON BOWMAN ACME 800/677-4922 | 10/14/04 | 1444 | Q | FOLLOW MFG RECOMMENDATIONS. COLD APPLIED - SELF LEVELING CURE:2 HRS. MUST HAVE SOUND CONCRETE UNDER INSTALLATION. |
| 00585.10 | EXPANSION JOINT SYSTEM, ASPHALTIC PLUG FOR MOVEMENTS OF < 1 1/2" | THORMA-JOINT OK FOR 2008 SPECS | DYNAMIC SURFACE APPLICATIONS 800/491-5663 | 02/12/09 | 1570 | Q | SIMILAR TO BJS EXCEPT FOR BINDER / AGGREGATE. |
| 00585.10 | EXPANSION JOINT SYSTEM, COMPRESSION FOR MOVEMENTS OF < 1 3/4" | DELASTIC SEAL - CV SERIES OK FOR 2008 SPECS | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503/646-0801 | 06/10/10 | 620 | Q | SUBMIT SHOP DRAWINGS TO BRIDGE POLYCHLOROPRENE (NEOPRENE)BASE |
| 00585.10 | EXPANSION JOINT SYSTEM, NEOPRENE COMPRESSION FOR MOVEMENTS OF < 1 3/4" | WABO COMPRESSION SEAL "WA" | WATSON BOWMAN ACME 800/677-4922 | 01/18/91 | 501 | Q | SUBMIT SHOP DRAWINGS TO BRIDGE SECTION FOR EACH PROJECT. BASE OF POLYCHLOROPRENE. |
| 00585.10 | EXPANSION JOINT SYSTEM, STRIP SEAL MOVEMENTS OF 1 3/4" - 4". | RJ SERIES STRIP SEAL TYPE A EXTRUSION, S-400 SEAL | R.J. WATSON, INC. 716/691-3301 | 06/11/09 | 1006 | Q | SUBMIT DRAWINGS TO BRIDGE. ANCHOR PER BR145. OKAY FOR 2008 SPECS. |
| 00585.10 | EXPANSION JOINT SYSTEM, STRIP SEAL MOVEMENTS OF 1 3/4" - 4". | STEELFLEX SSPA W/L2-400,L2-500 OK FOR 2008 SPECS | D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503/646-0801 | 06/10/10 | 1343 | Q | ANCHOR PER BR145. DRWS TO BR. CONTRACTOR RESONSIBLE FOR ADD'L FORMING NECESSARY SINCE RAIL SHORTER THAN SD. |
| 00585.10 | EXPANSION JOINT SYSTEM, STRIP SEAL MOVEMENTS OF 1 3/4" - 4". | WBA STRIP SEAL TYPE-P SE GLAND | WATSON BOWMAN ACME 800/677-4922 | 03/08/07 | 3142 | Q | ANCHOR PER BR145. CONTRACTOR RESPONSIBLE FOR ADD'L FORMING NECESSARY SINCE RAIL SHORTER THAN SD. |
| 00591.00 | SPRAY WATERPROOFING MEMBRANE WARRANTED LIQUID | MARK - 155 UREGRID SYSTEM | OLIN EPOXY POLY-CARB, INC DAN PATACCA 216/536-7777 FIELD OPT. 330/405-3311 | 03/14/12 | 4482 | Q | MARK 155 SEALER & QUARTZ SAND MARK 155 MEMBRANE MARK 154 OVERLAY & AGGREGATE |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|------------------------------------------------------------------------|-----------------------------|--------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------|
| 00591.00 | SPRAY WATERPROOFING MEMBRANE WARRANTED LIQUID | POLYFLEX BRIDGE DECK SYSTEM | WASSER COATING INC. 216/536-6777 | 02/19/15 | 4877 | Q | POLYFLEX 111 PU PRIMER POLYFLEX 311 MEMBRANE POLYFLEX 411 SHEARCOAT & AGGREGATE POLYFLEX 511 TACKCOAT |
| 00594.10 | MAINTENANCE COATING 3 COAT SYSTEM W/ORGANIC ZINC | SYSTEM MC-1 | CARBOLINE 800/848-4645 CRAIG FIGGINS 503/313-5438 | 09/23/16 | 3372 | Q | PRIMER-CARBOZINC 859 VOC INTERMEDIATE-CARBOGUARD 635 VOC LO GLOSS TOP-CARBOTHANE 133 VOC HI GLOSS TOP-CARBOTHANE 134 VOC |
| 00594.10 | MAINTENANCE COATING 3 COAT SYSTEM W/ORGANIC ZINC | SYSTEM MC-2 | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 09/23/16 | 3373 | Q | PRIMER-ZINC CLAD III HS INTERMEDIATE-MACROPOXY 646 LO GLOSS TOP-ACROLON 218 HS HI GLOSS TOP-ACROLON 218 HS |
| 00594.10 | MAINTENANCE COATING 3 COAT SYSTEM W/ORGANIC ZINC | SYSTEM MC-3 | WASSER 800/627-2968 DAN WOLF 360/870-3513 | 07/08/10 | 3375 | Q | PRIMER-MC ZINC 100 INTERMEDIATE-FERROX B 100 LO GLOSS TOP-FERROX A 100 HI GLOSS TOP-LUSTER 100 |
| 00594.10 | NON-FERROUS COATING 2 COAT - NON FERROUS | SYSTEM NFC-1 | CARBOLINE 800/848-4645 -2064 CRAIG FIGGINS 503/313-5438 | 10/12/06 | 3378 | Q | PRIMER-GALOSEAL WB HI GLOSS TOP-CARBOTHANE 134HS |
| 00594.10 | NON-FERROUS COATING 2 COAT - NON FERROUS | SYSTEM NFC-3 | WASSER 360/866-4517 800/627-2968 | 07/08/10 | 3380 | Q | PRIMER-FERROX B 100 HI GLOSS TOP-LUSTER 100 |
| 00594.10 | REHAB COATING 3 COAT SYSTEM W/ORGANIC ZINC AND MICACEOUS IRON OXIDE | SYSTEM RC-1 | WASSER 800/627-2968 DAN WOLF 360/870-3513 | 09/23/16 | 3377 | Q | PRIMER-MIOZINC 100 INTERMEDIATE-FERROX B 100 LO GLOSS TOP-FERROX A 100 HI GLOSS TOP-LUSTER 100 |
| 00594.10 | SHOP COATING 3 COAT SYSTEM W/INORGANIC ZINC | SYSTEM SC-1 | CARBOLINE 800/848-4645 -2064 CRAIG FIGGINS 503/313-5438 | 10/12/06 | 3370 | Q | PRIMER-CARBOZINC 11HS INTERMEDIATE-CARBOGUARD 893 HI GLOSS TOP-CARBOTHANE 134HS |
| 00594.10 | SHOP COATING 3 COAT SYSTEM W/INORGANIC ZINC | SYSTEM SC-2 | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 10/12/06 | 3371 | Q | PRIMER-ZINC CLAD DOT INTERMEDIATE-MACROPOXY 646-100 HI GLOSS TOP-ACROLON 218 HS |

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| 00594.10 | SHOP PILE COATING 3 COAT SYSTEM W/TAR | SYSTEM SPC-1 | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 12/20/16 | 5022 | Q | PRIMER-ZINC CLAD DOT INTERMEDIATE-COROTHANE COAL TAR HI GLOSS TOP-ACROLON 218 HS |
| 00594.10 | SHOP PILE COATING 3 COAT SYSTEM W/TAR | SYSTEM SPC-2 | WASSER 800/627-2968 DAN WOLF 360/870-3513 | 12/20/16 | 5023 | Q | PRIMER-MIOZINC 100 INTERMEDIATE-MC TAR 100 TOP-MC TAR 100 |
| 00594.10 | SHOP PILE COATING 4 COAT SYSTEM W/TAR | SYSTEM SPC-3 | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 12/20/16 | 5024 | Q | PRIMER-ZINC CLAD DOT INTERMEDIATE-COROTHANE COAL TAR INTERMEDIATE-COROTHANE COAL TAR HI GLOSS TOP-ACROLON 218 HS |
| 00594.10 | SHOP PILE COATING 4 COAT SYSTEM W/TAR | SYSTEM SPC-4 | WASSER 800/627-2968 DAN WOLF 360/870-3513 | 12/20/16 | 5025 | Q | PRIMER-MIOZINC 100 INTERMEDIATE-MC TAR 100 INTERMEDIATE-MC TAR 100 TOP-BALLASTCOAT 100 |
| 00594.10 | WEATHERING STEEL COATING 2 COAT SYSTEM | SYSTEM WSC-1 | CARBOLINE 800/848-4645 CRAIG FIGGINS 503/313-5438 | 12/20/16 | 5026 | Q | PRIMER-CARBOZINC 859 VOC TOP-CARBOXANE 2100 |
| 00594.10 | WEATHERING STEEL COATING 2 COAT SYSTEM | SYSTEM WSC-2 | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 12/20/16 | 5027 | Q | PRIMER-ZINC CLAD IIIHS TOP-FLUOROKEM HS |
| 00594.10 | WEATHERING STEEL COATING 2 COAT SYSTEM | SYSTEM WSC-3 | WASSER 800/627-2968 DAN WOLF 360/870-3513 | 12/20/16 | 5028 | Q | PRIMER-MC ZINC 100 TOP-102 RAPID THANE POLYASPARTIC |
| 00594.12 | STRUCTURAL STEEL CAULK | FLEXIBLE SEAL | AC PRODUCTS 800/238-4204 | 11/08/07 | 3385 | Q | |
| 00594.12 | STRUCTURAL STEEL CAULK | SIKAFLEX 1A | SIKA CORP 800/933-7452 THAD BROWN 425/486-5916 | 11/08/07 | 3381 | Q | |

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| 00594.12 | STRUCTURAL STEEL CAULK | STAMPEDE 1 | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 10/11/07 | 3383 | Q | |
| 00594.13 | CHLORIDE REMOVER | CHLOR*RID | CHLOR*RID INTER.,INC 800/422-3217 | 01/21/14 | 4731 | Q | SHALL BE DEEMED COMPATIBLE WITH COATING SYSTEM, BY THE COATING SYSTEM MANUFACTURE, CERT. LETTER |
| 00594.13 | CHLORIDE REMOVER | HOLDTIGHT 102 | HOLDTIGHT SOLUTIONS 800/319-8802 | 01/21/14 | 4732 | Q | SHALL BE DEEMED COMPATIBLE WITH COATING SYSTEM, BY THE COATING SYSTEM MANUFACTURE, CERT. LETTER |
| 00597.11 | FILLERS & SEALERS FILLER | READY TO APPLY BLOCK FILLER B25W25 | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 12/10/93 | 1718 | A | BLOCK FILLER FOR USE ON CONCRETE BLOCK BUILDINGS. FOR VERTICAL FACE, ABOVE GRADE SAME AS PREP-RITE B25W25. |
| 00597.11 | FILLERS & SEALERS FILLER | SPRAYABLE SMOOTH BLOCK FILLER 501901 | RODDA PAINT 12000 SW GARDEN PLACE PORTLAND OR 97232 503/521-4300 | 05/01/88 | 1310 | A | WHITE, BLOCK FILLER FOR USE ON CONCRETE BLOCK BUILDINGS. VERTICAL FACES, ABOVE GRADE. |
| 00597.11 | WATERPROOFING - CAP | SHERLASTIC ELASTOMERIC WATERPROOFING COATING A5 | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 05/01/88 | 1719 | A | SEALER FOR USE ON CONCRETE BLOCK BUILDINGS / WALLS. GOOD FOR TOP CAP. |
| 00597.11 | WATERPROOFING - CAP | SUPER ROFLEX ELASTOMERIC COAT. 511301 | RODDA PAINT 12000 SW GARDEN PLACE PORTLAND OR 97223 503/521-4300 | 05/01/88 | 1309 | A | WHITE, TOP SEALER FOR USE ON CONCR BLOCK BUILDINGS / WALLS. MAINTAIN 15 MILS (DRY) AFTER 2 COATS. |
| 00745.00 | ASPHALT COLD PATCH - HP 50# BAGS | HP ASPHALT COLD PATCH # 34977 | CRAFCO INC. 800/528-8242 GREG SHARP 971/645-1826 | 01/14/10 | 3952 | A | COMPLIES WITH OUR SPECS. |
| 00745.00 | ASPHALT COLD PATCH - HP BUCKETS | INSTANT ROAD REPAIR | INTERNATIONAL ROADWAY RESEARCH 281/441-3558 TRAFFIC SAFETY 800/547-8518 | 06/13/02 | 1895 | A | PART OF RESEARCH PROJECT 2002. WORKED WELL ON ROAD. PASSED LAB TESTS. |

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| 00745.00 | ASPHALT COLD PATCH - HP BULK | BONDIX | SEABOARD ASPHALT PRODUCTS CO. 3601 FAIRFIELD RD. BALTIMORE, MARYLAND 21226 SHAWN CAMPBELL 410/355-0330 | 06/13/02 | 1515 | A | PART OF RESEARCH PROJECT 2002. WORKED WELL ON ROAD. PASSED LAB TESTS. |
| 00745.00 | ASPHALT COLD PATCH - HP BULK | TAG 8000 | INFRATECH POLYMERS 604/888-8808 | 06/13/02 | 1265 | A | PART OF RESEARCH PROJECT 2002. DID WELL ON THE ROAD. PASSED LAB TESTS. |
| 00745.00 | ASPHALT COLD PATCH - HP BULK AND BAGS | EZ STREET | LAKESIDE INDUSTRIES RICK RAWLINGS 425/313-2681 CHRIS KING 503/222-6421 | 08/08/02 | 2407 | A | MEETS SPECS. |
| 00745.00 | ASPHALT COLD PATCH - HP BULK AND BAGS | PERMA PATCH | NATIONAL PAVING & CONTRACTING 410/764-7117 HOWARD SMUKLER 510/525-8961 | 06/13/02 | 2527 | A | PART OF RESEARCH PROJECT 2002. WORKED WELL ON ROAD. PASSED LAB TESTS. |
| 00745.00 | ASPHALT COLD PATCH - HP BULK AND BAGS | UPM COLD MIX | UNIQUE PAVING MATERIALS 800/441-4880 JONH BISCHOFF 503/347-1596 PORTER YETT 503/282-3251 MOUNTAIN VIEW PAVING 541/488-7745 | 06/13/02 | 831 | A | PART OF RESEARCH PROJECT 2002. DID WELL ON THE ROAD. PASSED LAB TESTS. |
| 00745.22 | ASPHALT RELEASE AGENT | AR-40/AR-50 | KT CHEMICALS,INC 855/932-2228 KT SCIENTIFIC 855/972-7377 | 08/28/15 | 4918 | A | |
| 00745.22 | ASPHALT RELEASE AGENT | BIG RED | TEXAS REFINERY, 800/827-0711 SCOTTSDALE, AZ 602/945-1710 | 01/11/96 | 1468 | A | PASSED TESTS AT ARIZONA DOT FOLLOW MANUFACTURER'S INSTRUCTIONS CLOSELY. |
| 00745.22 | ASPHALT RELEASE AGENT | BMF | COMPOUND TECHNOLOGIES, INC. 678/721-4101 | 09/20/16 | 4978 | A | NTPEP LISTED |
| 00745.22 | ASPHALT RELEASE AGENT | CLEARRELEASE | KT CHEMICALS,INC 855/932-2228 | 06/26/15 | 4888 | A | NTPEP LISTED |

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| 00745.22 | ASPHALT RELEASE AGENT | FOAM 1846-50 | MCCALL OIL 800/622-2558 | 09/09/99 | 939 | A | PASSED ARIZONA DOT TESTS. FOAM GENERATING LUBRICATING AGENT. FOLLOW MANUFACTURER'S INSTRUCTIONS CLOSELY. |
| 00745.22 | ASPHALT RELEASE AGENT | GREENGUARD ASPHALT RELEASE AGENT | BG CHEMICAL LP 800/725-8470 | 01/21/14 | 4678 | A | NTPEP LISTED |
| 00745.22 | ASPHALT RELEASE AGENT | MAXI-KREME | GLOBAL CHEM-SOURCE 866/391-1126 OR 503/391-1126 | 08/11/11 | 4336 | A | 10:1 DILUTION RATIO TESTED. |
| 00745.22 | ASPHALT RELEASE AGENT | SD-20 CLEANER | SPARTAN CHEMICAL CO, INC TOLEDO, OH 419/531-5551 | 01/11/96 | 1470 | A | PASSED TESTS AT ARIZONA DOT. FOLLOW MANUFACTURER'S INSTRUCTIONS CLOSELY. |
| 00745.22 | ASPHALT RELEASE AGENT | SLIPEAZEE SB | ROCHESTER MIDLAND 800/726-4448 ICL OF OREGON 800/876-4256 | 01/11/96 | 873 | A | WATER BASED SOAP PASSED TESTS AT ARIZONA DOT. FOLLOW MANUFACTURER'S INSTRUCTIONS CLOSELY. |
| 00745.22 | ASPHALT RELEASE AGENT | TECLON-PRO | TEC-TEAM INDUSTRIES 800/700-2530 | 11/10/05 | 3146 | A | DILUTED VERSION OF TEC SHIELD (ODOT ID# 2321). FOLLOW MFG INSTRUCTIONS CLOSELY. |
| 00745.22 | ASPHALT RELEASE AGENT | TEC-SHIELD | TEC-TEAM INDUSTRIES 800/700-2530 | 04/12/01 | 2321 | A | PASSED TESTS AT ARIZONA DOT. FOLLOW MANUFACTURER'S INSTRUCTIONS CLOSELY. |
| 00745.22 | ASPHALT RELEASE AGENT | TEC-SHIELD (FOR RUBBER) | TEC-TEAM INDUSTRIES 800/700-2530 | 05/10/01 | 2321 | A | TESTING BY GOODYEAR TIRE. FOLLOW MANUFACTURER'S INSTRUCTIONS CLOSELY. |
| 00745.22 | ASPHALT RELEASE AGENT | TIS 011 RELEASE AGENT | TECHNICAL INDUSTRIAL SALES 800/433-7826 | 12/14/06 | 3411 | A | INDEPENDENTLY TESTED TO AZ TEST REQUIREMENTS @ 30:1. FOLLOW MANUFACTURER'S INSTRUCTIONS CLOSELY. |

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| 00745.22 | ASPHALT RELEASE AGENT | ZEP ASPHALT RELEASE FA MFG PRODUCT # 1083 | ZEP, INC. 877/428-9937 OR 404/352-1680 | 05/12/11 | 2600 | A | PASSED TESTS AT ARIZONA DOT. |
| 00745.22 | ASPHALT RELEASE AGENT | ZEP ASPHALT RELEASE R-6690 MFG PRODUCT # 0867 | ZEP, INC. 877/428-9937 OR 404/352-1680 | 05/12/11 | 2602 | A | PASSED TESTS AT ARIZONA DOT. |
| 00745.22 | ASPHALT RELEASE AGENT | ZEP PINNACLE ASPHALT RELEASE MFG PRODUCT # N896 | ZEP, INC. 877/428-9937 OR 404/352-1680 | 08/11/11 | 4292 | A | INDEPENDENTLY TESTED TO OUR REQUIREMENTS @ 5:1 & 15:1 |
| 00745.22 | ASPHALT RELEASE AGENT FOR RUBBER | BLACK MAGIC FOR RUBBER | BG CHEMICAL 800/725-8470 | 01/13/11 | 1303 | A | PASSED ARIZONA DOT TESTS DESIGNED FOR RUBBER TIRES, ETC FOLLOW MANUFACTURER'S INSTRUCTIONS CLOSELY. |
| 00746.00 | POURED JOINT FILLER | POURED FILLER, JOINT | | 11/17/04 | | A | POURED JOINT FILLERS ARE NOW COVERED IN THE QPL IN SECTION 02440.30, POURED JOINT FILLERS AND MEET AASHTO M324 TYPE II. |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - NO | ACCESS TILE SURFACE APPLIED TILE | ACCESS PRODUCTS 425/766-6234 | 05/14/09 | 3829 | A | YELLOW MODELS: ACC-S-1X1, ACC-S-2X3, ACC-S-2X4, ACC-S-2X5, ACC-S-3X4, ACC-S-2X2CRV |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - NO | ANSWER 1.67" SURFACE TILE MODELS: 24S-1Y & 25S-1Y | ADA ANSWER INDUSTRIES 909/230-4064 | 06/11/09 | 3741 | A | |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - NO | ARMORCAST DETECTABLE TILE | ARMORCAST PRODUCTS 909/772-1424 | 04/13/06 | 3301 | A | MODELS: 'A600****TADAYEL' WHERE **** IS THE SIZE. |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - NO | ARMOR-TILE SURFACE APPLIED COLOR: FEDERAL YELLOW | ENGINEERED PLASTICS 800/682-2525 WHITE CAP 800/456-7445 | 05/08/03 | 2783 | A | POLYMER COMPOSITE WITH ADHES AND MECHANICAL FASTENERS. MODELS: ADA-S-2436YW, ADA-S-2448YW, & ADA-S-2460YW. |

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| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - NO | SAFE-STEP (CURED) MODEL: "SAFETY YELLOW" | TRANSCO INDUSTRIES 914/636-1000 BRIAN BUGGENHAGEN 503/956-1029 | 11/13/03 | 2879 | A | POLYESTER POLYMER. PANELS ARE ABOUT 12" X 12" X 0.5" THICK. MFG RECOMMENDS A VARIETY OF ADHESIVES. |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - NO | SURFACE MOUNT COMPOSITE TILE 2436, 2448, 2460: RETY | ADA SOLUTIONS 800/372-0519 | 06/11/09 | 3865 | A | |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - NO | TUFTILE HIGH-IMPACT POLYMER TILES | TUFTILE, INC 847/307-3070 | 06/25/14 | 4758 | A | |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - NO | ULTRA-ADA PADS - SURFACE MOUNT MODELS 0750, 0751, 0752, & 0753 | ULTRATECH INTERNATIONAL 800/353-1611 EXT 211 | 06/12/08 | 3635 | A | FLEXIBLE PAD. |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - YES | DETECTABLE WARNING REDI-MAT MODELS: RMAY3630 & RMIY | DETECTABLE WARNING SYSTEMS 866/999-7452 | 05/13/10 | 3410 | A | PEEL AND STICK WITH ADDITIONAL FASTENERS AND PERIMETER SEAL. |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - YES | DWT DETECTABLE WARNING TILE MODELS: SM2424, SM2436, SM2448 | THREE D TRAFFIC WORKS 877/843-9757 | 11/13/08 | 3664 | A | |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - YES | DWT TOUGH-EZ TILE | THREE D TRAFFIC WORKS 877/843-9757 | 05/13/10 | 4094 | A | ADHESIVE, FASTENERS, & SEAL. MODELS: TEZ2424SYW, TEZ2436SYW, TEZ2448SYW, TEZ2460SYW. |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - YES | TOPMARK DETECTABLE WARNING | FLINT TRADING-LKF DIV OF FLINT 336/475-6600 Gregg Ubelhart 206/963-5468 | 11/13/03 | 2866 | A | THERMOPLASTIC. TORCH APPLIED. YELLOW MODELS: TMK4116600ASB, TMK4116040ASB, TMK4116800ASB, TMK4116700ASB, RADIUS 4116950. |
| 00759.12 | DETECTABLE WARNING DEVICE CURED CONCRETE ASPHALT SURFACES - YES | VANGUARD TRUNCATED DOME MODEL: 1A | TILCO VANGUARD 800/290-5700 | 08/08/02 | 2649 | A | TRUNCATED DOME. LIQUID PRODUCT FOLLOW MANUFACTURER'S INSTRUCTIONS. |

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|------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------|
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NA | MASCO CAST-IN-TACT3 | MASONS SUPPLY 800/537-3407 | 06/11/09 | 3621 | A | CEMENTITIOUS PANELS FEDERAL YELLOW |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | ACCESS TILE REPL CAST IN PLACE TILE | ACCESS PRODUCTS 425/766-6234 | 05/14/09 | 3828 | A | YELLOW MODELS: ACC-R-1X1, ACC-R-2X3,ACC-R-2X4,ACC-R-2X5, ACC-R-3X4, ACC-R-2X2CRV |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | ADA REPLACEABLE TILE - YELLOW MODELS: E2436Y, E2448Y, E2460Y | YELLOW TILES OF WASHINGTON 877/314-4888 | 04/13/06 | 3284 | A | TRUNCATED DOME. DESIGNED TO BE EASILY REPLACEABLE. |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | ALERTCAST 2436AC-Y, 2448AC-Y, 2460AC-Y | CAPE FEAR SYSTEMS III 877/232-6287 | 03/06/13 | 4419 | A | REPLACEABLE PANELS |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | ANSWER 1.67" WET SET REPL TILE MODELS: 24C-1Y & 25C-1Y | ADA ANSWER INDUSTRIES 909/230-4064 | 04/09/09 | 3739 | A | |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | ARMORCAST WET SET REPLACEABLE | ARMORCAST PRODUCTS 909/772-1424 | 09/14/06 | 3328 | A | MODELS: "A600****RADAYEL" WHERE **** = THE SIZE. |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | ARMOR-TILE CAST IN PLACE COLOR: FEDERAL YELLOW | ENGINEERED PLASTICS 800/682-2525 WHITE CAP 800/456-7445 | 05/08/03 | 2782 | A | POLYMER COMPOSITE SET IN CONCR MODELS: ADA-C-2436YW, ADA-C-2448YW, & ADA-C-2460YW. |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | ARMOR-TILE REPL CAST IN PLACE COLOR: FEDERAL YELLOW | ENGINEERED PLASTICS 800/682-2525 WHITE CAP 800/456-7445 | 06/11/09 | 3858 | A | MODELS: ATR2436Y, ART2448Y, ATR2460Y, & ATR3648Y. |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | CAST-IN-PLACE COMPOSITE TILE 2436, 2448, 2460: PAVCIPY | ADA SOLUTIONS 800/372-0519 | 06/11/09 | 3866 | A | COLOR OKAY |

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|------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------------|
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | COMPOSITE WETSET REPLACEABLE TACTILE | ADA SOLUTIONS 800/372-0519 | 01/10/08 | 3582 | A | FEDERAL YELLOW. MODELS: 2436REPY, 2448REPY, 2460REPY. |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | DETECTASHIELD | MAHER PRODUCTS, INC 641/363-4330 LOGAN CONTRACTOR SUPPLY 515/253-9048 | 01/21/14 | 4672 | A | CEMENTITIOUS PANELS YELLOW |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | EZ-SET CERAMIC COMPOSITE PANEL DETECTABLE WARNING PANELS | DETECTABLE WARNING SYSTEMS 866/999-7452 TRAFFIC SAFETY 800/547-8518 | 02/12/04 | 2928 | A | ABS ANCHORS. MODEL: "EZ IY 2424" |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | SAFE-STEP (FRESH) MODEL: "SAFETY YELLOW" | TRANSCO INDUSTRIES 914/636-1000 BRIAN BUGGENHAGEN 503/956-1029 | 11/13/03 | 2879 | A | FOLLOW MFG INSTRUCTIONS. |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | TUFTILE HIGH-IMPACT POLYMER TILES | TUFTILE, INC 847/307-3070 | 06/25/14 | 4758 | A | |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | ULTRA-ADA PADS - CAST IN PLACE MODELS 0720, 0721, 0722, & 0723 | ULTRATECH INTERNATIONAL 800/353-1611 EXT 211 | 06/12/08 | 3636 | A | FLEXIBLE PAD WITH GALV MESH ON BOTTOM. WET SET. |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - NO | ULTRA-ADA PADS COMPOSITE WET MODELS 0740, 0741, & 0742. | ULTRATECH INTERNATIONAL 800/353-1611 EXT 211 SPILL CONTROL 253/862-2700 | 06/11/09 | 3809 | A | WET SET. |
| 00759.12 | DETECTABLE WARNING DEVICE FRESH CONCRETE ASPHALT SURFACES - YES | VISUL FLEX-STONE PANELS MODEL: MPN-MRBS0030 | VISUL CORP. 865/566-5674 | 02/14/08 | 3460 | A | RECYCLED STONE AGGREGATE IN POLYURETHANE RESIN BASE. FOLLOW MFG INSTRUCTIONS. USES 2 PART POLYURETHANE ADHES. |
| 00760.00 | POROUS PAVER-HEAVY DUTY | ARMORFLEX CLOSED CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 01/10/08 | 3590 | A | |

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|------------------------|--------------------------|--------------------------------|----------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------|
| 00760.00 | POROUS PAVER-HEAVY DUTY | ARMORFLEX OPEN CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 02/14/08 | 3575 | A | |
| 00760.00 | POROUS PAVER-HEAVY DUTY | ARMORFLEX TAPERED CELL BLOCK | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 02/14/08 | 3591 | A | |
| 00760.00 | POROUS PAVER-LIGHT DUTY | DRIVABLE GRASS | SOIL RETENTION 800/346-7995 | 04/17/12 | 4486 | A | LIGHT TRAFFIC |
| 00760.00 | POROUS PAVER-LIGHT DUTY | ECO GRID/ECO RASTER E30 | TARRAFIRM ENTERPRISES LTD. 604/910-8788 503/793-5775 | 08/08/14 | 4785 | A | GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.18 |
| 00760.00 | POROUS PAVER-LIGHT DUTY | ECO GRID/ECO RASTER E40 | TARRAFIRM ENTERPRISES LTD. 604/910-8788 503/793-5775 | 08/08/14 | 4786 | A | GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.6 |
| 00760.00 | POROUS PAVER-LIGHT DUTY | ECO GRID/ECO RASTER E50 | TARRAFIRM ENTERPRISES LTD. 604/910-8788 503/793-5775 | 08/08/14 | 4776 | A | GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.96" |
| 00760.00 | POROUS PAVER-LIGHT DUTY | TYPAVE 25 | AVINTIV (BERRY PLASTICS) 615/847-7500 ACF WEST 800/878-5115 | 06/06/16 | 4939 | A | GRID, GRASS, GRAVEL RECYCLED HDPE 46"X46"X1" |
| 00760.00 | POROUS PAVER-MEDIUM DUTY | BODPAVE 85 POROUS PAVING GRIDS | FIBERWEB GEOSYNTHETICS 651/330-2920 | 10/11/12 | 4504 | A | MODULAR CELLULAR GRASS PAVER RECYCLED HDPE |
| 00760.00 | POROUS PAVER-MEDIUM DUTY | ECO GRID/ECO RASTER E30 | TARRAFIRM ENTERPRISES LTD. 604/910-8788 503/793-5775 | 08/08/14 | 4785 | A | GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.18 |

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|------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------|
| 00760.00 | POROUS PAVER-MEDIUM DUTY | ECO GRID/ECO RASTER E40 | TARRAFIRM ENTERPRISES LTD. 604/910-8788 503/793-5775 | 08/08/14 | 4786 | A | GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.6 |
| 00760.00 | POROUS PAVER-MEDIUM DUTY | ECO GRID/ECO RASTER E50 | TARRAFIRM ENTERPRISES LTD. 604/910-8788 503/793-5775 | 08/08/14 | 4776 | A | GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.96" |
| 00760.00 | POROUS PAVER-MEDIUM DUTY | EZ ROLL GRASS PAVER | NDS 888/825-4716 | 03/06/13 | 4594 | A | CELLULAR GRASS PAVER |
| 00760.00 | POROUS PAVER-MEDIUM DUTY | GRASSPAVE2 W/HYDROGROW | INVISIBLE STRUCTURES 303/395-1803 | 10/12/06 | 2402 | A | MODULAR CELLULAR GRASS PAVER |
| 00760.00 | POROUS PAVER-MEDIUM DUTY | GRASSY PAVERS | RK MANUFACTURING 800/957-5575 ACF WEST 800/878-5115 | 04/08/10 | 2483 | A | PLASTIC |
| 00760.00 | POROUS PAVER-MEDIUM DUTY | TYPAVE 25 | AVINTIV (BERRY PLASTICS) 615/847-7500 ACF WEST 800/878-5115 | 06/06/16 | 4939 | A | GRID, GRASS, GRAVEL RECYCLED HDPE 46"X46"X1" |
| 00810.10 | GUARDRAIL END TERMINAL MASH 2009 TL-2 1' FLARE (50:1) 'L'-50'9" 2' FLARE (25:1) 'L'-50'9" | SOFTSTOP END TERMINAL ENERGY ABSORBING UNIT | TRINITY HIGHWAY PRODUCTS, LLC MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 8 | 01/21/14 | 4682 | A | TESTED FOR IMPACT SPEEDS UP TO 60MPH 2' FLARE (25:1) 'L'-50'9" APPROVED 8/15 HEIGHT 27 5/8" & 31" |
| 00810.10 | GUARDRAIL END TERMINAL MASH 2009 TL-3 0-2" FLARE 'L'=50' | MSKT (STEEL POST) ENERGY ABSORBING UNIT | ROAD SYSTEMS, INC. JOHN DURKOS 330/346-0721 UNIVERSAL INDUSTRIAL SALES 800/424-9825 | 07/28/16 | 4979 | A | MASH SEQUENTIAL KINKING TERMINAL. TESTED AT IMPACT SPEEDS OF 60MPH HEIGHT 31" |
| 00810.10 | GUARDRAIL END TERMINAL MASH 2009 TL-3 1' FLARE (50:1) 'L'-50'9" 2' FLARE (25:1) 'L'-50'9" | SOFTSTOP END TERMINAL ENERGY ABSORBING UNIT | TRINITY HIGHWAY PRODUCTS, LLC MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 8 | 01/21/14 | 4682 | A | TESTED FOR IMPACT SPEEDS UP TO 60MPH 2' FLARE (25:1) 'L'-50'9" APPROVED 8/15 HEIGHT 27 5/8" & 31" |

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|------------------------|-------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------|
| 00810.10 | GUARDRAIL END TERMINAL MASH 2009 TL-3 4' FLARE 'L'=37.5' | SRT M10 NON-ENERGY ABSORBING UNIT | TRINITY HIGHWAY PRODUCTS, LLC MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 | 05/03/16 | 4952 | A | TESTED FOR IMPACT SPEEDS UP TO 60MPH HEIGHT 27 5/8" & 31" |
| 00811.00 | CABLE BARRIER SYSTEM MASH TL-3 4 CABLE | BRIFEN O-POST | BRIFEN USA 866/427-4336 405/793-9500 | 04/07/16 | 4948 | Q | 6:1 OR FLATTER STEEL SLEEVES WITH CONCRET FOOTING |
| 00811.00 | CABLE BARRIER SYSTEM MASH TL-3 4 CABLE | CASS SAFETY SYSTEM (CASS S3 4:1) | TRINITY HIGHWAY PRODUCTS, LLC MIKE MADDEN 800/772-7976 CORAL SALES 800/538-7245 DON GRIPNE 360/943-9559 | 01/21/14 | 4717 | Q | 4:1 OR FLATTER STEEL SLEEVES WITH CONCRETE FOOTING |
| 00811.00 | CABLE BARRIER TERMINAL TL-3 | BRIFEN WRGT | BRIFEN USA 866/427-4336 405/793-9500 | 05/13/04 | 2970 | Q | GATING DEVICE. AS WITH THE OTHERS, TERMINAL IS NOT PART OF LENGTH OF NEED. |
| 00811.00 | CABLE BARRIER TERMINAL TL-4 | CASS TL-4 TERMINAL | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 CORAL SALES 800/538-7245 DON GRIPNE 360/943-9559 | 03/08/07 | 3429 | Q | |
| 00811.00 | GUARDRAIL RETRO-FIT CABLE BARRIER (TL-3) | RETRO-RAIL | TRINITY HIGHWAY PRODUCTS, LLC MIKE MADDEN 800/772-7976 CORAL SALES 800/538-7245 DON GRIPNE 360/943-9559 | 04/03/15 | 4879 | A | MOUNT TO TOP OF GUARDRAIL RETRO-FIT TO RAISE GUARD RAIL HEIGHT |
| 00820.00 | CONCRETE BARRIER, MOVABLE | QUICK CHANGE MOVABLE BARRIER | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 | 10/10/91 | 465 | Q | FOR SPECIAL APPLICATIONS ONLY. TRK MOUNTED EQUIP MOVES SPECIA BARRIER FROM ONE SIDE TO THE OTHER UP TO 16', UP TO 10 MPH. |
| 00822.00 | GLARE SHIELDS | CARSONITE GLARE BLADE | CARSONITE INC. 800/648-7916 TRAFFIC SAFETY 800/547-8518 | 11/08/01 | 17 | A | INDIVIDUAL BLADES ATTACHED TO THE BARRIER. NEW BASE BRACKET DESIGN 11/01. GALV / STAINLESS BASE, ZINC NOT ALLOWED. |
| 00822.00 | GLARE SHIELDS | DURASCREEN GLARE SHIELD | SAFE-HIT CORP. 888/323-6374 | 12/13/01 | 2506 | A | TUBES, INDIVIDUALLY MOUNTED. LAB TEST WAS OUTSTANDING. |

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| 00822.00 | GLARE SHIELDS | MODULAR GLARE SHIELDS | CARSONITE INC. 800/648-7916 TRAFFIC SAFETY 800/547-8518 | 11/09/01 | 86 | A | FIBERGLASS BLADES MOUNT TO PRE FORMED BASE BOLTED TO BARRIER. NEW BASE BRACKET DESIGN 11/01. GALV OR STAINLESS BASE,NO ZINC |
| 00830.00 | IMPACT ATTENUATOR PERMANENT NCHRP 350 TL-2 RE-DIRECTIVE, NON GATING. | UNIVERSAL TAU-II-R TL-2 | LINDSAY TRANSPORTATION SOLUTIONS BARRIER SYSTEMS 707/374-6800 | 06/11/14 | 4771 | Q | |
| 00830.00 | IMPACT ATTENUATOR PERMANENT NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | UNIVERSAL TAU-II-R TL-3 | LINDSAY TRANSPORTATION SOLUTIONS BARRIER SYSTEMS 707/374-6800 | 06/11/14 | 4771 | Q | |
| 00830.00 | IMPACT ATTENUATOR, PERMANENT NCHRP 350 TL-1 NON RE-DIRECTIVE, GATING. | EASI-CELL | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 09/09/04 | 2921 | Q | LOW SPEED UNIT USING POLY CYL. REQUIRES STRONG BACK PLATE. NOT DESIGNED FOR MEDIANS. TL-1 TESTED FOR 50 KPH/30 MPH. |
| 00830.00 | IMPACT ATTENUATOR, A PERMANENT NCHRP 350 TL-3 PARTIAL RE-DIRECT, GATING | BEAT SSCC | ROAD SYSTEMS, INC. JOHN DURKOS 330/346-0721 | 09/08/05 | 2711 | Q | SHOULDERS ONLY. |
| 00830.00 | IMPACT ATTENUATOR, A PERMANENT, NARROW SYSTEM NCHRP 350 TL-3 RE-DIRECTIVE, GATING | QUAD-TREND 350 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 12/09/99 | 1906 | Q | TESTED FOR IMPACT SPEEDS UP TO 100KPH/60MPH. LENGTH: 20'. CLEAR AREA REQUIRED BEHIND TERMINAL. WIDTH: 15" |
| 00830.00 | IMPACT ATTENUATOR, B PERMANENT, NARROW APPS. NCHRP 350 TL-3 | TREND 350 MEDIAN END TERMINAL | TRINITY HIGHWAY PRODUCTS, LLC MIKE MADDEN 800/772-7976 CORAL SALES 800/538-7245 DON GRIPNE 360/943-9559 | 12/10/12 | 4568 | Q | TESTED FOR IMPACT SPEEDS UP TO 60MPH LENGTH 27' WIDTH 28" |
| 00830.00 | IMPACT ATTENUATOR, B PERMANENT, NARROW APPS. NCHRP 350 TL-3 RE-DIRECTIVE, GATING | BRAKEMASTER 350 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/09/00 | 880 | Q | GUARDRAIL TREATMENT FOR WIDE-MEDIAN/SHOULDER APPLICATIONS. REGION/ROADWAY DESIGNERS PICK FROM QPL WITH DISTRICT INPUT. |
| 00830.00 | IMPACT ATTENUATOR, B PERMANENT, NARROW APPS. NCHRP 350 TL-3 RE-DIRECTIVE, GATING | CAT-350 CRASH CUSHION | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 07/11/96 | 291 | Q | SLOTTED RAIL ATTENUATOR FOR MEDIAN/SHOULDER APPLICATIONS. REGION/ROADWAY DESIGNERS PICK FROM QPL WITH DISTRICT INPUT. |

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JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------|
| 00830.00 | IMPACT ATTENUATOR, C PERMANENT NCHRP 350 TL-2 RE-DIRECTIVE, NON GATING | 2005 SHORTRACC (TL-2) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 01/12/06 | 3154 | Q | TESTED FOR IMPACT SPEEDS UP TO 70 KPH/45 MPH. 14.2' LONG. |
| 00830.00 | IMPACT ATTENUATOR, C PERMANENT NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING | 2005 WIDETRACC (TL-2) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 01/12/06 | 3155 | Q | TESTED FOR IMPACT SPEEDS UP TO 45 MPH. |
| 00830.00 | IMPACT ATTENUATOR, C PERMANENT NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | QUEST 70 (TL-2) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 06/09/11 | 4372 | Q | TESTED FOR IMPACT SPEEDS UP TO 45 MPH. THREE BAYS. ARRIVES FULLY ASSEMBLED. |
| 00830.00 | IMPACT ATTENUATOR, C PERMANENT NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | SHORTRACC (TL-2) WAS TRACC (TL-2) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 10/11/01 | 2844 | Q | TESTED FOR IMPACT SPEEDS UP TO 70 KPH/45 MPH. 14.2' LONG 32" WIDE. WAS Q UNDER P-1902. |
| 00830.00 | IMPACT ATTENUATOR, C PERMANENT, NARROW & WIDE NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | UNIVERSAL TAU-II (TL-2) | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 02/10/05 | 2961 | Q | FHWA APPROVED - 4 BAY SYSTEM. |
| 00830.00 | IMPACT ATTENUATOR, D PERMANENT NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | QUEST 70 (TL-2) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 06/09/11 | 4372 | Q | TESTED FOR IMPACT SPEEDS UP TO 45 MPH. THREE BAYS. ARRIVES FULLY ASSEMBLED. |
| 00830.00 | IMPACT ATTENUATOR, D PERMANENT, NARROW & WIDE NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | UNIVERSAL TAU-II (TL-2) | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 02/10/05 | 2961 | Q | FHWA APPROVED - 4 BAY SYSTEM. |
| 00830.00 | IMPACT ATTENUATOR, E PERMANENT NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | 2005 TRACC (TL-3) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 11/10/05 | 3153 | Q | TESTED FOR IMPACT SPEEDS UP TO 100 KPH/60 MPH. 21' LONG. 30" WIDE. |
| 00830.00 | IMPACT ATTENUATOR, E PERMANENT NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | X-TENUATOR | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 05/12/11 | 4359 | Q | TESTED FOR IMPACT SPEEDS UP TO 60MPH |

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|------------------------|-------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------------------------------|
| 00830.00 | IMPACT ATTENUATOR, E PERMANENT NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING. | QUEST 350 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 11/08/07 | 3138 | Q | WATCH REPAIR COSTS. BETTER FOR LOW HIT AREAS. |
| 00830.00 | IMPACT ATTENUATOR, E PERMANENT NCRHP 350 TL-3 RE-DIRECTIVE, NON GATING. | WIDETRACC | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 04/10/03 | 2759 | Q | MEETS NCHRP 350 TL-3. |
| 00830.00 | IMPACT ATTENUATOR, E PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING. | UNIVERSAL TAU-II (TL-3) | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 02/10/05 | 2961 | Q | FHWA APPROVED - 8 BAY SYSTEM. |
| 00830.00 | IMPACT ATTENUATOR, E PERMANENT, NARROW APPS NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING. | TRACC (TL-3) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 09/13/01 | 1902 | Q | TESTED FOR IMPACT SPEEDS UP TO 100 KPH/60 MPH. 21' LONG. 32" WIDE. |
| 00830.00 | IMPACT ATTENUATOR, F PERMANENT NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | 2005 WIDETRACC (TL-3) | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 01/12/06 | 3155 | Q | TESTED FOR IMPACT SPEEDS UP TO 60 MPH. |
| 00830.00 | IMPACT ATTENUATOR, F PERMANENT NCRHP 350 TL-3 RE-DIRECTIVE, NON GATING. | WIDETRACC | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 04/10/03 | 2759 | Q | MEETS NCHRP 350 TL-3. |
| 00830.00 | IMPACT ATTENUATOR, F PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING. | UNIVERSAL TAU-II (TL-3) | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 02/10/05 | 2961 | Q | FHWA APPROVED - 8 BAY SYSTEM. |
| 00830.00 | IMPACT ATTENUATOR, G PERMANENT MASH 2009 TL-2 RE-DIRECTIVE, NON GATING | QUADGUARD ELITE M10 (4 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 15' 7" |
| 00830.00 | IMPACT ATTENUATOR, G PERMANENT MASH 2009 TL-3 RE-DIRECTIVE, NON GATING | QUADGUARD ELITE M10 (8 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 27' 1" |

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|------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------|
| 00830.00 | IMPACT ATTENUATOR, G PERMANENT NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | QUAD-GUARD II | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/09/09 | 3872 | Q | TESTED FOR IMPACT SPEEDS TO 45 MPH. |
| 00830.00 | IMPACT ATTENUATOR, G PERMANENT, NARROW & WIDE NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING | QUAD-GUARD ELITE - 7 BAY | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/08/01 | 2413 | Q | 7 BAY SYSTEM. TESTED FOR IMPACT SPEEDS TO 70KPH/45MPH. LOW MAINTENANCE. |
| 00830.00 | IMPACT ATTENUATOR, G PERMANENT, NARROW & WIDE NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | SCI70GM | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/377-9100 | 12/14/06 | 3110 | Q | LOW MAINTENANCE UNIT. TESTED FOR IMPACT SPEEDS UP TO 45 MPH. NARROW OR WIDE APPS. |
| 00830.00 | IMPACT ATTENUATOR, G PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | QUAD-GUARD (TL-2) 24", 30", 36", 70", & 90" OBST. | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 01/08/09 | 3436 | Q | LOW MAINTENANCE |
| 00830.00 | IMPACT ATTENUATOR, G PERMANENT, NARROW APPS NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | REACT 350-NARROW (TL2) (36" OBSTACLE) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/08/07 | 3438 | Q | TESTED FOR IMPACT SPEEDS UP TO 45 MPH. LOW MAINTENANCE. |
| 00830.00 | IMPACT ATTENUATOR, H PERMANENT MASH 2009 TL-2 RE-DIRECTIVE, NON GATING | QUADGUARD ELITE M10 (4 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 15' 7" |
| 00830.00 | IMPACT ATTENUATOR, H PERMANENT MASH 2009 TL-3 RE-DIRECTIVE, NON GATING | QUADGUARD ELITE M10 (8 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 27' 1" |
| 00830.00 | IMPACT ATTENUATOR, H PERMANENT NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | QUAD-GUARD II | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/09/09 | 3872 | Q | TESTED FOR IMPACT SPEEDS TO 45 MPH. |
| 00830.00 | IMPACT ATTENUATOR, H PERMANENT, NARROW & WIDE NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING | QUAD-GUARD ELITE - 7 BAY | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/08/01 | 2413 | Q | 7 BAY SYSTEM. TESTED FOR IMPACT SPEEDS TO 70KPH/45MPH. LOW MAINTENANCE. |

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|------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------------|
| 00830.00 | IMPACT ATTENUATOR, H PERMANENT, NARROW & WIDE NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | SCI70GM | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/377-9100 | 12/14/06 | 3110 | Q | LOW MAINTENANCE UNIT. TESTED FOR IMPACT SPEEDS UP TO 45 MPH. NARROW OR WIDE APPS. |
| 00830.00 | IMPACT ATTENUATOR, H PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | QUAD-GUARD (TL-2) 24", 30", 36", 70", & 90" OBST. | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 01/08/09 | 3436 | Q | LOW MAINTENANCE |
| 00830.00 | IMPACT ATTENUATOR, H PERMANENT, WIDE NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | REACT 350-WIDE (TL2) (60" & 90" OBSTACLES) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/08/07 | 3437 | Q | TESTED FOR IMPACT SPEEDS UP TO 45 MPH. LOW MAINTENANCE. |
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT MASH 2009 TL-2 RE-DIRECTIVE, NON GATING | QUADGUARD ELITE M10 (4 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 15' 7" |
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT MASH 2009 TL-3 RE-DIRECTIVE, NON GATING | QUADGUARD ELITE M10 (8 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 27' 1" |
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT MASH 2009 TL-3 RE-DIRECTIVE, NON GATING | QUADGUARD M10 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 05/14/12 | 4492 | Q | TESTED FOR SPEEDS UP TO 60 MPH WIDTHS 90", 69", 36", 30", 24" 22' LENGTH |
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING. | QUAD-GUARD II | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/09/09 | 3872 | Q | TESTED FOR IMPACT SPEEDS TO 60 MPH. |
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT, NARROW & WIDE MASH 2009 TL-3 RE-DIRECTIVE, NON-GATING. | SCI100GM | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/377-9100 | 12/14/06 | 2907 | Q | LOW MAINTENANCE UNIT. TESTED FOR IMPACT SPEEDS UP TO 60 MPH. NARROW OR WIDE APPS. LENGTH: 21'6" + TRANSITION. |
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | QUAD-GUARD (TL-3) 24", 30", 36", 70", 90", & 120"W | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 01/08/09 | 1572 | Q | PROTECT ROADSIDE AND MEDIAN OBSTACLES AND HAZARDS. TESTED FOR IMPACT SPEEDS TO 60 MPH. LOW MAINTENANCE |

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|------------------------|------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------------------------------------------------------------------------|
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | QUAD-GUARD ELITE - 11 BAY | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/08/01 | 2413 | Q | 11 BAY SYSTEM. TESTED FOR IMPACT SPEEDS TO 100KPH/60MPH. LOW MAINTENANCE. |
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | QUAD-GUARD ELITE - 8 BAY | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/14/11 | 4414 | Q | 8 BAY SYSTEM. TESTED FOR IMPACT SPEEDS TO 100KPH/60MPH. LOW MAINTENANCE. |
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT, NARROW APPS NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | REACT 350 II | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/30/12 | 4483 | Q | TESTED FOR IMPACT SPEEDS TO 60MPH LOW MAINTENANCE |
| 00830.00 | IMPACT ATTENUATOR, J PERMANENT, NARROW APPS NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING. | REACT 350-NARROW (TL3) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/10/95 | 1364 | Q | TESTED FOR IMPACT SPEEDS UP TO 100KPH/60MPH. LOW MAINTENANCE. |
| 00830.00 | IMPACT ATTENUATOR, J * NO GORE LOCATION >25K ADT NCHRP 350 TL-3 | HEART | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 07/09/09 | 3649 | Q | HDPE SIDE PANELS AND ROUNDED FRONTAL NOSE PIECE. DAMAGE FROM SIDE IMPACTS COULD BE HIGHER THAN LOW MAINT. |
| 00830.00 | IMPACT ATTENUATOR, K PERMANENT MASH 2009 TL-2 RE-DIRECTIVE, NON GATING | QUADGUARD ELITE M10 (4 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 15' 7" |
| 00830.00 | IMPACT ATTENUATOR, K PERMANENT MASH 2009 TL-3 RE-DIRECTIVE, NON GATING | QUADGUARD ELITE M10 (8 BAY) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 08/18/16 | 4981 | A | LENGTH 27' 1" |
| 00830.00 | IMPACT ATTENUATOR, K PERMANENT MASH 2009 TL-3 RE-DIRECTIVE, NON GATING | QUADGUARD M10 | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 05/14/12 | 4492 | Q | TESTED FOR SPEEDS UP TO 60 MPH WIDTHS 90",69", 36",30", 24" 22' LENGTH |
| 00830.00 | IMPACT ATTENUATOR, K PERMANENT NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING. | QUAD-GUARD II | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/09/09 | 3872 | Q | TESTED FOR IMPACT SPEEDS TO 60 MPH. |

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|------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------------|
| 00830.00 | IMPACT ATTENUATOR, K PERMANENT, NARROW & WIDE MASH 2009 TL-3 RE-DIRECTIVE, NON-GATING. | SCI100GM | WORK AREA PROTECTION (SCI) 800/327-4417 OR 630/377-9100 | 12/14/06 | 2907 | Q | LOW MAINTENANCE UNIT. TESTED FOR IMPACT SPEEDS UP TO 60 MPH. NARROW OR WIDE APPS. LENGTH: 21'6" + TRANSITION. |
| 00830.00 | IMPACT ATTENUATOR, K PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | QUAD-GUARD (TL-3) 24", 30", 36", 70",90", & 120"W | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 01/08/09 | 1572 | Q | PROTECT ROADSIDE AND MEDIAN OBSTACLES AND HAZARDS. TESTED FOR IMPACT SPEEDS TO 60 MPH. LOW MAINTENANCE |
| 00830.00 | IMPACT ATTENUATOR, K PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | QUAD-GUARD ELITE - 11 BAY | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/08/01 | 2413 | Q | 11 BAY SYSTEM. TESTED FOR IMPACT SPEEDS TO 100KPH/60MPH. LOW MAINTENANCE. |
| 00830.00 | IMPACT ATTENUATOR, K PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | QUAD-GUARD ELITE - 8 BAY | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 07/14/11 | 4414 | Q | 8 BAY SYSTEM. TESTED FOR IMPACT SPEEDS TO 100KPH/60MPH. LOW MAINTENANCE. |
| 00830.00 | IMPACT ATTENUATOR, K PERMANENT, WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING. | REACT 350-WIDE (TL3) (60", 96", & 120" OBSTACLES) | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 03/08/07 | 2587 | Q | TESTED FOR IMPACT SPEEDS UP TO 60 MPH. EARLIER VERSION HAD PROBLEMS, BUT THIS OK. P-1826. LOW MAINTENANCE. |
| 00830.00 | IMPACT ATTENUATOR, L PERMANENT, NARROW & WIDE NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING | QUAD-GUARD HS | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 01/08/09 | 2570 | Q | 9 BAY SYSTEM. TESTED FOR IMPACT SPEEDS TO 113KPH/70MPH. LOW MAINTENANCE |
| 00830.00 | IMPACT ATTENUATOR, M PERMANENT NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING. | 2005 FASTRACC | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 800/772-7976 | 11/10/05 | 3156 | Q | TESTED FOR IMPACT SPEEDS UP TO 70 MPH. 25' 8" LONG. 30" WIDE. |
| 00830.00 | IMPACT ATTENUATOR, M PERMANENT NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING. | QUEST 115 SYSTEM | ENERGY ABSORPTION 888/323-6750 JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245 | 11/08/07 | 3555 | Q | TESTED FOR IMPACT SPEEDS UP TO 70 MPH. |
| 00830.00 | IMPACT ATTENUATOR, M PERMANENT, NARROW & WIDE NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING. | UNIVERSAL TAU-II (HS) | BARRIER SYSTEMS 707/374-6800 BYRON WEST 541/899-0888 ZUMAR 800/426-7967 | 03/12/09 | 2961 | Q | FHWA APPROVED |

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|------------------------|---------------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------------------------------------------------|
| 00840.10 | DELINEATOR - TYPE 2 | CURV-FLEX ROADMARKER CFRM-400 | CARSONITE INC. 800/648-7916 TRAFFIC SAFETY 800/547-8518 | 05/01/88 | 1503 | A | PULTRUDED FIELD MEASURE LENGTHS, SEE SEE STANDARD DRAWING |
| 00840.10 | DELINEATOR - TYPE 2 | FLEXSTAKE MODEL 600 | FLEXSTAKE, INC. 800/348-9839 JIM ZADRONZNY PUBLIC WORKS SUPPLY 800/754-6551 | 10/11/01 | 823 | A | PLASTIC ANCHOR, USE HINGE. USE H.I. SHEETING. FIELD MEASURE LENGTHS, SEE STANDARD DRAWING. |
| 00840.10 | DELINEATOR - TYPE 2 | ROADMARKER CRM-375 | CARSONITE INC. 800/648-7916 TRAFFIC SAFETY 800/547-8518 | 05/01/88 | 1504 | A | FIELD MEASURE LENGTHS, SEE STANDARD DRAWING |
| 00840.10 | DELINEATOR - TYPE 2 | SAFE-HIT, TYPE II | SAFE-HIT CORP. 888/323-6374 DAN MCCARTHY 760/518-9929 | 05/01/88 | 1029 | A | ROUND TUBE W/FLAT FACE. GALV DRIVEN ANCHOR. TWIST/PIN LOCK. FIELD MEASURE LENGTHS, SEE STANDARD DRAWING. |
| 00840.10 | DELINEATOR - TYPE 3 | SAFE-HIT, TYPE III | SAFE-HIT CORP. 888/323-6374 DAN MCCARTHY 760/518-9929 | 05/01/88 | 1030 | A | ROUND TUBE W/ROUND FACE. 18" GALV ANCHOR. TWIST/PIN LOCK. FIELD MEASURE LENGTHS, SEE STANDARD DRAWINGS |
| 00840.10 | DELINEATOR - TYPE 3 FLEXIBLE ROUND | TD5500 EARTHFLEX 553604 | THREE D TRAFFIC WORKS 877/843-9757 | 01/28/15 | 4769 | A | 48" ROUND TUBE 18" GALV ANCHOR HINGE FASTENERS WHITE & YELLOW |
| 00840.10 | DELINEATOR - TYPE 3 FLEXIBLE ROUND | TD5500 EARTHFLEX 553604P2-18 | THREE D TRAFFIC WORKS 877/843-9757 | 01/28/15 | 4770 | A | 48" ROUND TUBE 18" GALV ANCHOR S HINGE CLEVIS PIN WHITE & YELLOW |
| 00840.10 | DELINEATOR - TYPE 3 FLEXIBLE ROUND | TD5500 EARTHFLEX 555710 | THREE D TRAFFIC WORKS 877/843-9757 | 01/28/15 | 4768 | A | 66" ROUND TUBE 18" GALV ANCHOR HINGE FASTENERS WHITE & YELLOW |
| 00840.10 | DELINEATOR - TYPE 3 FLEXIBLE ROUND | TD5500 EARTHFLEX 555710P2-18 | THREE D TRAFFIC WORKS 877/843-9757 | 01/28/15 | 4767 | A | 66" ROUND TUBE 18" GALV ANCHOR S HINGE CLEVIS PIN WHITE & YELLOW |

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| 00840.10 | DELINEATOR - TYPE 4 ALT 1 GUARDRAIL VERSION | CURV-FLEX ROADMARKER CFGR-427 | CARSONITE INC. 800/648-7916 TRAFFIC SAFETY 800/547-8518 | 11/14/96 | 1591 | A | THE STANDARD DRW REQUIRES 4 LAG SCREWS TO ANCHOR UNIT. |
| 00840.10 | DELINEATOR - TYPE 4 ALT 1 GUARDRAIL VERSION | FLEXI-GUIDE 527 (FG-527) | PEXCO LLC-DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 07/09/98 | 1636 | A | NTPEP TEST DATA LOOKED GOOD FOR STAND ALONE APPLICATIONS. |
| 00840.10 | DELINEATOR - TYPE 4 ALT 1 GUARDRAIL VERSION | TD9100 MODEL 510242 GUARDFLEX | THREE D TRAFFIC WORKS 877/843-9757 | 04/14/05 | 2696 | A | |
| 00840.10 | DELINEATOR - TYPE 4 ALT 2 | DELINEATOR TYPE 4 ALT 2 | FRANKLIN INDUSTRIES 814/437-3726 TRAFFIC SAFETY 800/547-8518 | 12/18/12 | 4572 | A | CLOSE TO REQUIRED DIMENSIONS STEEL |
| 00840.10 | DELINEATOR - TYPE 5 BARRIER MARKER | ASTRO OPTICS JD-1 & JD-2 | ASTRO OPTICS LLC 847/488-9151 GARY KINBERG 847/951-3915 | 06/09/11 | 726 | A | PRISMATIC LENS ON PLASTIC MARKER. JD-1: SIDE MOUNT, JD-2: TOP MOUNT. |
| 00840.10 | DELINEATOR - TYPE 5 BARRIER MARKER | BARRIER TRAFFIC REFLECTOR 7" & 11" TALL | IRWIN HODSON COMPANY 503/419-4624 | 08/28/13 | 4666 | A | ALUMINUM SUBSTRATE |
| 00840.10 | DELINEATOR - TYPE 5 BARRIER MARKER | PCBM-9CM BARRIER REFLECTOR | PEXCO LLC-DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 08/10/00 | 2267 | A | PRISMATIC PLASTIC UNITS MOUNTED ON FRONT OF PLASTIC FLANGE. |
| 00840.10 | DELINEATOR - TYPE 6 BUTTERFLY | BUTTERFLY GR MARKER MODEL 8BO HI AND DG SHEETING | PEXCO LLC-DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 06/09/11 | 4343 | A | BOLTED ON VERSION |
| 00840.10 | DELINEATOR - TYPE 6 BUTTERFLY | BUTTERFLY GR MARKER MODEL 8GO HI AND DG SHEETING | PEXCO LLC-DAVIDSON TRAFFIC CORP: 877/335-4638 BILL DALY 408/431-8689 TRAFFIC SAFETY 800/547-8518 | 06/09/11 | 4344 | A | GLUED ON VERSION |

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|------------------------|--------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------|
| 00840.10 | DELINEATOR - TYPE 6 BUTTERFLY FOR GUARDRAIL | ASTRO OPTICS AGR-1 & AGR-2 | ASTRO OPTICS LLC 847/488-9151 GARY KINBERG 847/951-3915 | 06/09/11 | 3136 | A | PLASTIC UNIT THAT FITS IN THE W SHAPE OF THE GUARDRAIL. |
| 00840.10 | DELINEATOR - TYPE 6 BUTTERFLY FOR GUARDRAIL | BUTTERFLY REF. TAB CRYSTAL 2 SIDES HI AND DG SHEETING | UNIVERSAL INDUSTRIAL SALE, INC 801/785-0505 | 06/27/16 | 4958 | A | BOLTED ON BANJO SLOT FOR BOLT 12 GAUGE GAURDRAIL MATERIAL |
| 00840.10 | DELINEATOR REFLECTOR CENTER MOUNT FOR TYPES 1, 1U, & 4A2 | 3" CIRCULAR DISC | IRWIN HODSON COMPANY 503/419-4624 | 08/19/16 | 4889 | A | ALUMINUM SIGN SUBSTRATE UNDER REFLECTIVE SHEETING, 3-M DIAMOND GRADE ROUND. |
| 00840.10 | DELINEATOR REFLECTOR CENTER MOUNT FOR TYPES 1, 1U, & 4A2 | ASTRO OPTICS RT-90 | ASTRO OPTICS LLC 847/488-9151 GARY KINBERG 847/951-3915 | 06/09/11 | 3851 | A | PLASTIC PRISMATIC REFLEX UNIT. NOT FOR FLEXIBLE DELINEATORS. ROUND. |
| 00850.00 | REFLECTIVE ELEMENTS FOR PAVEMENT MARKINGS MMA | SWARCO 3131 BLEND | SWARCO INDUSTRIES 931/388-5900 MARK COLOMBO: 314/729-7197 MFG: 254/562-9879 TECH: 314/729-7197 | 08/28/12 | 3894 | A | COATED FOR USE WITH MMA |
| 00850.00 | REFLECTIVE ELEMENTS FOR PAVEMENT MARKINGS MMA | SWARCO 3132 BLEND | SWARCO INDUSTRIES 931/388-5900 MARK COLOMBO: 314/729-7197 MFG: 254/562-9879 TECH: 314/729-7197 | 08/28/12 | 3895 | A | COATED FOR USE WITH MMA |
| 00850.00 | REFLECTIVE ELEMENTS FOR PAVEMENT MARKINGS RECYCLED - REGULAR | POTTERS | POTTERS INDUSTRIES, INC. 503/266-7814 303/375-1293 | 12/14/95 | 1448 | A | AASHTO M247-TYPE 1. 5 LB OF BEADS PER GAL OF PAINT FOR ODOT MAINTENANCE: |
| 00850.00 | REFLECTIVE ELEMENTS FOR PAVEMENT MARKINGS THERMOPLASTIC | SWARCO 3130 BLEND | SWARCO INDUSTRIES 931/388-5900 MARK COLOMBO: 314/729-7197 MFG: 254/562-9879 TECH: 314/729-7197 | 10/14/10 | 3893 | A | DESIGNED WITH A COATING THAT IS GOOD WITH THERMOPLASTIC MARKINGS. |
| 00855.00 | MARKER ADHESIVE - BITUMIN FLEXIBLE | CRAFCO FLEXIBLE BIT ADHESIVE FORMULA #34270 | CRAFCO INC. 800/528-8242 GREG SHARP 503/284-4330 | 06/09/05 | 2853 | Q | OK - PERM JOBS. NOT FOR TEMPORARY INSTALLATIONS. TEST BY LOT. |

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| 00855.00 | MARKER ADHESIVE - BITUMIN FLEXIBLE | HENRY # 184 FLEXIBLE DOTSTICK | HENRY CO. 800/851-1131 ALPINE PRODUCTS 800/591-9566 | 06/09/05 | 2876 | Q | OK - PERM JOBS. NOT FOR TEMPORARY INSTALLATIONS. TEST BY LOT. |
| 00855.00 | MARKER ADHESIVE - BITUMIN STANDARD | CRAFCO BITUMINOUS ADHESIVE FORMULA #34269 | CRAFCO INC. 800/528-8242 GREG SHARP 503/284-4330 | 05/08/97 | 238 | Q | OK - PERM JOBS BID UNTIL 1/06. OK - TEMP JOBS, NO DATE LIMIT. TEST BY LOT, BUT TESTING NOT NEEDED FOR TEMPORARY PROJECTS. |
| 00855.00 | MARKER ADHESIVE - BITUMIN STANDARD | EVERGRIP-OR # 172542 | GULF STATES ASPHALT CO. VERNON TURNER 800/662-0987 | 09/14/00 | 1807 | Q | OK - PERM JOBS BID UNTIL 1/06. OK - TEMP JOBS, NO DATE LIMIT. TEST BY LOT, BUT TESTING NOT NEEDED FOR TEMPORARY PROJECTS. |
| 00855.00 | MARKER ADHESIVE - BITUMIN STANDARD | HENRY # 193 DOT STICK ADHESIVE | HENRY CO. 800/851-1131 ALPINE PRODUCTS 800/591-9566 | 10/09/08 | 2803 | Q | OK - PERM JOBS BID UNTIL 1/06. OK - TEMP JOBS, NO DATE LIMIT. TESTING NOT NEEDED FOR TEMP PROJECTS. |
| 00855.00 | MARKER ADHESIVE - EPOXY | FIRMMARKER | FORREST TECHNICAL COATINGS 503/502-3449 TRAFFIC SAFETY SUPPLY 503/235-8531 | 10/01/15 | 4924 | Q | |
| 00855.00 | MARKER ADHESIVE - EPOXY | POLYCARB MARK 29 | OLIN EPOXY POLY-CARB 800/225-5649 DAN PATACCA 216/536-7777 | 07/14/05 | 2476 | Q | |
| 00855.00 | MARKER ADHESIVE - EPOXY | POLY-CARB MARK 29.9 | OLIN EPOXY POLY-CARB 800/225-5649 DAN PATACCA 216/536-7777 | 05/12/11 | 4361 | Q | |
| 00855.00 | PAVEMENT MARKER, TYPE 1 REFLECTORIZED, RAISED | 3-M 290 | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 03/22/12 | 1632 | A | PASSED LAB TESTS. BODY MADE OF ENGINEERED THERMOPLASTIC. MFG RECOM BIT OR EPOXY ADHESIV |
| 00855.00 | PAVEMENT MARKER, TYPE 1 REFLECTORIZED, RAISED | APEX 921AR PAVEMENT MARKER | APEX UNIVERSAL 562/944-8878 | 09/17/14 | 4808 | A | |

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| 00855.00 | PAVEMENT MARKER, TYPE 1 REFLECTORIZED, RAISED | RAY-O-LITE ALL ACRYLIC WHITE: #AA1W; YELLOW: #AA2A | RAY-O-LITE, DIV OF PAC-TEC 800/848-7025 ALPINE PRODUCTS 253/838-4318 TRAFFIC SAFETY 800/547-8518 | 12/09/99 | 529 | A | SIZE: 4" X 4" X .7". BIT OR EPOXY ADHESIVES. LABS 91-7335 AND 91-7336 |
| 00855.00 | PAVEMENT MARKER, TYPE 1 REFLECTORIZED, RAISED | STIMSONITE 88 | ENNIS TRAFFIC SAFETY SOLUTIONS 800/331-8118 | 12/13/07 | 693 | A | SIZE: 4" X 4" X .7". EPOXY OR BIT ADHESIVE. SAME AS MODEL 911 BUT W/O GLASS FACE. |
| 00855.00 | PAVEMENT MARKER, TYPE 1 REFLECTORIZED, RAISED | STIMSONITE 911 | ENNIS TRAFFIC SAFETY SOLUTIONS 800/331-8118 | 12/13/07 | 629 | A | SIZE: 4" X 4" X .7". EPOXY OR BIT ADHESIVE. MODEL 911 HAS GLASS FACE. |
| 00855.00 | PAVEMENT MARKER, TYPE 1AR REFLECTORIZED, RAISED ABRASIVE RESISTANT | 3-M 290 | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 03/22/12 | 1632 | A | PASSED LAB TESTS. BODY MADE OF ENGINEERED THERMOPLASTIC. MFG RECOM BIT OR EPOXY ADHESIV |
| 00855.00 | PAVEMENT MARKER, TYPE 1AR REFLECTORIZED, RAISED ABRASIVE RESISTANT | APEX 921AR PAVEMENT MARKER | APEX UNIVERSAL 562/944-8878 | 09/17/14 | 4808 | A | |
| 00855.00 | PAVEMENT MARKER, TYPE 1AR REFLECTORIZED, RAISED ABRASIVE RESISTANT | STIMSONITE C80 | ENNIS-FLINT 800/331-8118 | 04/08/14 | 4759 | A | SIZE: 4.5" X 3.2" X 0.75" EPOXY OR BIT ADHESIVE |
| 00855.00 | PAVEMENT MARKER, TYPE 1AR REFLECTORIZED, RAISED, ABRASIVE RESISTANT | RAY-O-LITE ALL ACRYLIC ARC II WHITE: ARC1W; YELLOW: ARC2A | RAY-O-LITE, DIV OF PAC-TEC 800/848-7025 ALPINE PRODUCTS 253/838-4318 TRAFFIC SAFETY 800/547-8518 | 12/09/99 | 529 | A | ABRASIVE RESISTANT VERSION IS MARKED WITH "ARC". BIT OR EPOXY ADHESIVE. SIZE: 4" X 4" X .7". |
| 00855.00 | PAVEMENT MARKER, TYPE 1AR REFLECTORIZED, RAISED, ABRASIVE RESISTANT | STIMSONITE 911 | ENNIS TRAFFIC SAFETY SOLUTIONS 800/331-8118 | 12/13/07 | 629 | A | SIZE: 4" X 4" X .7". EPOXY OR BIT ADHESIVE. MODEL 911 HAS GLASS FACE. |
| 00855.00 | PAVEMENT MARKER, TYPE 2 NON-REFLECTORIZED | DIAMOND BACK - POLYPROPYLENE | INTERSTATE SALES 800/237-7245 | 09/13/01 | 2235 | A | APPROVED FOR USE WITH BITUMINOUS ADHESIVES ONLY. IS ON CALTRANS & WSDOT QPL'S. 4" DIAMETER. |

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**ODOT CONSTRUCTION / MATERIALS SECTION
QUALIFIED PRODUCTS LIST
APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|---------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------|
| 00856.10 | MARKERS, TUBULAR SURFACE MOUNTED PERMANENT | TD5200-526859WFB/526859YFB | THREE D TRAFFIC WORKS 877/843-9757 | 04/14/11 | 3598 | Q | 28" TALL |
| 00856.10 | MARKERS, TUBULAR SURFACE MOUNTED PERMANENT | CITY POST (SM) SURFACE MOUNT | PEXCO LLC - DAVIDSON TRAFFIC CORP: 877/335-4638 TRAFFIC SAFETY 800/547-8518 | 11/22/16 | 5005 | Q | 28", 36", 48" TALL WHITE & YELLOW |
| 00856.10 | MARKERS, TUBULAR SURFACE MOUNTED PERMANENT | IRS 3" TUFF POST TUBULAR MARKER | IMPACT RECOVERY SYSTEMS 800/736-5256 | 01/26/12 | 4557 | Q | 36" & 48" Tall White or Yellow |
| 00856.10 | MARKERS, TUBULAR SURFACE MOUNTED PERMANENT | TD5200-526950WFB | THREE D TRAFFIC WORKS 877/843-9757 | 04/14/11 | 3706 | Q | WHITE - 36" TALL |
| 00856.10 | MARKERS, TUBULAR SURFACE MOUNTED PERMANENT | TD5200-526963YFB | THREE D TRAFFIC WORKS 877/843-9757 | 04/14/11 | 3707 | Q | YELLOW - 36" TALL |
| 00856.10 | MARKERS, TUBULAR SURFACE MOUNTED PERMANENT | TD5200-527223WFB/527223YFB | THREE D TRAFFIC WORKS 877/843-9757 | 04/14/11 | 3596 | Q | 48" TALL |
| 00856.10 | MARKERS, TUBULAR SURFACE MOUNTED 28" & 36" HEIGHT | DURAPOST | SAFE-HIT CORP. 888/323-6374 DAN MCCARTHY 760/295-2699 | 01/21/14 | 1182 | Q | 100% URETHANE PLASTIC, PIN AT BASE HOLDS TOP ON. PRODUCT IS 3" DIA. |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | COLUMBIA 17-123 CC | COLUMBIA PAINT A DIV OF SHERWIN WILLIAMS NEAL SHERMERHORN 832/444-9168 | 07/14/11 | 2366 | A | INSTANT DRY ACRYLIC LATEX YELLOW TEST DECK 73000042-99 |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | COLUMBIA 17-123 WW | COLUMBIA PAINT A DIV OF SHERWIN WILLIAMS NEAL SHERMERHORN 832/444-9168 | 07/14/11 | 2364 | A | INSTANT DRY ACRYLIC LATEX WHITE TEST DECK 73000042-99 |

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|------------------------|-------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------|
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | ENNIS ORW-21-M-4 983711 | ENNIS PAINT 800/331-8118 | 12/12/02 | 2735 | A | TEST DECK 73000029-01 |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | ENNIS ORY-21-M-1 983712 | ENNIS PAINT 800/331-8118 | 11/16/00 | 2360 | A | YELLOW WATERBORNE TRAFFIC PNT. TEST DECK 73000042-99 |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | HIGH BUILD WATERBORNE TRAFFIC PAINT 1116 YELLOW | SWARCO/COLORADO PAINT COPANY 303/388-9265 | 09/19/16 | 4998 | A | |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | HIGH BUILD WATERBORNE TRAFFIC PAINT 1110 WHITE | SWARCO/COLORADO PAINT COPANY 303/388-9265 | 09/19/16 | 4997 | A | |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | LOW TEMP WATERBORNE TRAFFIC PAINT 985351 WHITE | ENNIS PAINT 800/331-8118 | 12/12/16 | 5019 | A | |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | LOW TEMP WATERBORNE TRAFFIC PAINT 985352 YELLOW | ENNIS PAINT 800/331-8118 | 12/12/16 | 5019 | A | |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | TMT PATHWAY O600W2 983721 | ENNIS PAINT 800/331-8118 KLYNE MCCARTY 800/331-8118 111 JOHN STEFANI 503-569-0332 | 04/13/06 | 2371 | A | FAST DRY ACRYLIC WATERBORNE WHITE TEST DECK 73000042-99 |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | TMT PATHWAY O600Y3 983722 | ENNIS PAINT 800/331-8118 KLYNE MCCARTY 800/331-8118 111 JOHN STEFANI 503-569-0332 | 04/13/06 | 2369 | A | FAST DRY ACRYLIC WATERBORNE YELLOW TEST DECK 73000042-99 |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | WATERBORNE TRAFFIC PAINT 1160 WHITE | SWARCO/COLORADO PAINT COPANY 303/388-9265 | 09/19/16 | 4999 | A | |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------|
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | WATERBORNE TRAFFIC PAINT 1166 YELLOW | SWARCO/COLORADO PAINT COPANY 303/388-9265 | 09/19/16 | 5000 | A | |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | WATERBORNE TRAFFIC PAINT LOW TEMPERATURE 1190 WHITE | SWARCO/COLORADO PAINT COPANY 303/388-9265 | 09/19/16 | 5001 | A | |
| 00860.00 | LONGITUDINAL PAINT WATERBORNE | WATERBORNE TRAFFIC PAINT LOW TEMPERATURE 1196 YELLOW | SWARCO/COLORADO PAINT COPANY 303/388-9265 | 09/19/16 | 5002 | A | |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED METHYL METHACRYLATE | DURASET 3 - WHITE (999441W2) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3069 | Q | TESTED ON ROUTE 22 8/17/04 #2. |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED METHYL METHACRYLATE | DURASET 3 - WHITE (999441W3) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3070 | Q | TESTED ON ROUTE 22 8/17/04 #3. |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED METHYL METHACRYLATE | DURASET 3 - YELLOW (999441Y2) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3074 | Q | TESTED ON ROUTE 22 8/17/04 #7. |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED METHYL METHACRYLATE | DURASET 3 - YELLOW (999441Y3) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3075 | Q | TESTED ON ROUTE 22 8/17/04 #8. |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (W) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3662 | Q | 2010 TEST DECK. |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (Y) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3663 | Q | 2010 TEST DECK. |

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|------------------------|------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------------|
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | AQUALITE - WHITE (884411) | ENNIS PAINT 800/331-8118 | 09/09/10 | 1348 | Q | THERMOPLASTIC LINE WITH BUMPS BEADS: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | AQUALITE - YELLOW (885301) | ENNIS PAINT 800/331-8118 | 10/14/10 | 3081 | Q | TESTED ON ROUTE 22 8/17/04 #14 BEADS: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | BRITE-LINE PROFILE THERMO B HWE07801B WHITE SWARCO 3130 BEAD | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 06/10/10 | 4161 | Q | BEAD: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | BRITE-LINE PROFILE THERMO HWE07801 WHITE AASHTO TYPE 1 BEAD | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 916/691-1248 BILL JUBAK: 702/649-9223 | 07/08/10 | 1347 | Q | AASHTO TYPE 1 BEADS. WAS VIBRALINE. |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | BRITE-LINE THERMO HYE7702 YELLOW AASHTO TYPE 1 BEAD | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 07/31/12 | 4232 | Q | 2010 TEST DECK |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | BRITE-LINE THERMO HYE7702B YELLOW SWARCO 3130 BEAD | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 07/31/12 | 4233 | Q | 2010 TEST DECK |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | PERMALINE - WHITE (884029) PRIMERLESS | ENNIS PAINT 800/331-8118 | 09/09/10 | 1778 | Q | MFG SAYS PRODUCT MAY BE APPLIED W/O PRIMER. 120 MILS AS SPECIFIED. BEADS: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC | PERMALINE - YELLOW (885300) | ENNIS PAINT 800/331-8118 | 09/09/10 | 3080 | Q | TESTED ON ROUTE 22 8/17/04 #13 BEADS: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED METHYL METHACRYLATE | DURASET 3 - WHITE (999441W2) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3069 | Q | TESTED ON ROUTE 22 8/17/04 #2. |

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|------------------------|------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------|
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED METHYL METHACRYLATE | DURASET 3 - WHITE (999441W3) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3070 | Q | TESTED ON ROUTE 22 8/17/04 #3. |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED METHYL METHACRYLATE | DURASET 3 - YELLOW (999441Y2) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3074 | Q | TESTED ON ROUTE 22 8/17/04 #7. |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED METHYL METHACRYLATE | DURASET 3 - YELLOW (999441Y3) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3075 | Q | TESTED ON ROUTE 22 8/17/04 #8. |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (W) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3662 | Q | 2010 TEST DECK. |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (Y) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3663 | Q | 2010 TEST DECK. |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | AQUALITE - WHITE (884411) | ENNIS PAINT 800/331-8118 | 09/09/10 | 1348 | Q | THERMOPLASTIC LINE WITH BUMPS BEADS: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | AQUALITE - YELLOW (885301) | ENNIS PAINT 800/331-8118 | 10/14/10 | 3081 | Q | TESTED ON ROUTE 22 8/17/04 #14 BEADS: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | BRITE-LINE PROFILE THERMO B HWE07801B WHITE SWARCO 3130 BEAD | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 06/10/10 | 4161 | Q | BEAD: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | BRITE-LINE PROFILE THERMO HWE07801 WHITE AASHTO TYPE 1 BEAD | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 916/691-1248 BILL JUBAK: 702/649-9223 | 07/08/10 | 1347 | Q | AASHTO TYPE 1 BEADS. WAS VIBRALINE. |

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|------------------------|--------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------|
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | BRITE-LINE THERMO HYE7702 YELLOW AASHTO TYPE 1 BEAD | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 07/31/12 | 4232 | Q | 2010 TEST DECK |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | BRITE-LINE THERMO HYE7702B YELLOW SWARCO 3130 BEAD | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 07/31/12 | 4233 | Q | 2010 TEST DECK |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | PERMALINE - WHITE (884029) PRIMERLESS | ENNIS PAINT 800/331-8118 | 09/09/10 | 1778 | Q | MFG SAYS PRODUCT MAY BE APPLIED W/O PRIMER. 120 MILS AS SPECIFIED. BEADS: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC | PERMALINE - YELLOW (885300) | ENNIS PAINT 800/331-8118 | 09/09/10 | 3080 | Q | TESTED ON ROUTE 22 8/17/04 #13 BEADS: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED SURFACE PROFILED METHYL METHACRYLATE | DURASET 3 - WHITE (999441W2) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3069 | Q | TESTED ON ROUTE 22 8/17/04 #2. |
| 00865.00 | METHOD A EXTRUDED SURFACE PROFILED METHYL METHACRYLATE | DURASET 3 - WHITE (999441W3) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3070 | Q | TESTED ON ROUTE 22 8/17/04 #3. |
| 00865.00 | METHOD A EXTRUDED SURFACE PROFILED METHYL METHACRYLATE | DURASET 3 - YELLOW (999441Y2) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3074 | Q | TESTED ON ROUTE 22 8/17/04 #7. |
| 00865.00 | METHOD A EXTRUDED SURFACE PROFILED METHYL METHACRYLATE | DURASET 3 - YELLOW (999441Y3) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3075 | Q | TESTED ON ROUTE 22 8/17/04 #8. |
| 00865.00 | METHOD A EXTRUDED SURFACE PROFILED METHYL METHACRYLATE | OPTIMARK - BRIDGELINE YELLOW SWARCO 3132 | ROAD OPTIC INC. 503/871-1471 | 03/02/15 | 3835 | Q | 2012 TEST DECK MY0031 |

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|------------------------|--------------------------------------------------------|-----------------------------------------|-------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------|
| 00865.00 | METHOD A EXTRUDED SURFACE PROFILED METHYL METHACRYLATE | OPTIMARK - BRIDGELINE WHITE SWARCO 3132 | ROAD OPTIC INC. 503/871-1471 | 03/02/15 | 3835 | Q | 2012 TEST DECK MW0031 |
| 00865.00 | METHOD A EXTRUDED SURFACE PROFILED THERMOPLASTIC | AQUALITE - WHITE (884411) | ENNIS PAINT 800/331-8118 | 09/09/10 | 1348 | Q | THERMOPLASTIC LINE WITH BUMPS BEADS: SWARCO 3130 |
| 00865.00 | METHOD A EXTRUDED SURFACE PROFILED THERMOPLASTIC | AQUALITE - YELLOW (885301) | ENNIS PAINT 800/331-8118 | 10/14/10 | 3081 | Q | TESTED ON ROUTE 22 8/17/04 #14 BEADS: SWARCO 3130 |
| 00865.00 | METHOD B SPRAYED SURFACE METHYL METHACRYLATE | DURASET 3 - WHITE (999441W2) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3069 | Q | TESTED ON ROUTE 22 8/17/04 #2. |
| 00865.00 | METHOD B SPRAYED SURFACE METHYL METHACRYLATE | DURASET 3 - WHITE (999441W3) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3070 | Q | TESTED ON ROUTE 22 8/17/04 #3. |
| 00865.00 | METHOD B SPRAYED SURFACE METHYL METHACRYLATE | DURASET 3 - YELLOW (999441Y2) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3074 | Q | TESTED ON ROUTE 22 8/17/04 #7. |
| 00865.00 | METHOD B SPRAYED SURFACE METHYL METHACRYLATE | DURASET 3 - YELLOW (999441Y3) | ENNIS PAINT 800/331-8118 | 11/12/09 | 3075 | Q | TESTED ON ROUTE 22 8/17/04 #8. |
| 00865.00 | METHOD B SPRAYED SURFACE METHYL METHACRYLATE | DURASET 5 - WHITE (999655W) | ENNIS PAINT 800/331-8118 | 01/14/10 | 2826 | Q | TESTED DECK '03 LINE 27 & 28. CODE: 999655W CAT: 999655C 4:1 RATIO. |
| 00865.00 | METHOD B SPRAYED SURFACE METHYL METHACRYLATE | DURASET TYPE 5 (999655-Y1) | ENNIS PAINT 800/331-8118 | 05/13/10 | 4014 | Q | TESTED ON ROUTE 22 2007 #89 |

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|------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------------------------|
| 00865.00 | METHOD B SPRAYED SURFACE THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (W) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3662 | Q | 2010 TEST DECK. |
| 00865.00 | METHOD B SPRAYED SURFACE THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (Y) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3663 | Q | 2010 TEST DECK. |
| 00865.00 | METHOD B SPRAYED SURFACE THERMOPLASTIC | PERMALINE - WHITE (884029) PRIMERLESS | ENNIS PAINT 800/331-8118 | 09/09/10 | 1778 | Q | MFG SAYS PRODUCT MAY BE APPLIED W/O PRIMER. 120 MILS AS SPECIFIED. BEADS: SWARCO 3130 |
| 00865.00 | METHOD B SPRAYED SURFACE THERMOPLASTIC | PERMALINE - YELLOW (885300) | ENNIS PAINT 800/331-8118 | 09/09/10 | 3080 | Q | TESTED ON ROUTE 22 8/17/04 #13 BEAD: SWARCO 3130 |
| 00865.00 | METHOD C TAPE ROLLED IN & GROOVED NON-PATTERNED | BRITE-LINE 1000 WHITE & YELLOW | BRITE-LINE TECH: 888/375-1293 GORDON SILL 720/473-6217 PAT DONNELLY: 918/691-1248 BILL JUBAK: 702/649-9223 | 11/12/09 | 789 | Q | NO F MIX APPLICATIONS. MAY NEED PRIMER. WAS METHOD G |
| 00865.00 | METHOD C TAPE ROLLED IN & GROOVED PATTERNED | 3-M STAMARK 380I ES SERIES WHITE: 380IES & YELLOW: 381IES | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 09/11/08 | 2934 | Q | 2005 TEST DECK. MET THE WARRANTY REQUIREMENTS. EXTRA STICKY VERSION. WAS METHOD G |
| 00865.00 | METHOD C TAPE ROLLED IN & GROOVED PATTERNED, (CONTRAST) | 3-M STAMARK 380-5 | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 07/13/00 | 1410 | Q | CONTRAST TAPE WITH BLACK ON EACH SIDE OF 4" WHITE. WAS METHOD G |
| 00865.00 | METHOD C TAPE ROLLED IN & GROOVED PATTERNED, (CONTRAST) WET WEATHER | 3-M SERIES 380AW,381AW,& 380-5AW | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 08/11/11 | 3915 | Q | 2010 TEST DECK # 47 & 48. MICRO-CRYSTALLINE BEADS 3-M SERIES 380-5AW CONTRAST WAS METHOD G |
| 00865.00 | METHOD D WET WEATHER EXTRUDED/GROOVED NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (W) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3662 | Q | 2010 TEST DECK. |

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|------------------------|------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| 00865.00 | METHOD D WET WEATHER EXTRUDED/GROOVED NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (Y) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3663 | Q | 2010 TEST DECK. |
| 00865.00 | METHOD D WET WEATHER EXTRUDED/SURFACE NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (W) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3662 | Q | 2010 TEST DECK. |
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| 00865.00 | METHOD D WET WEATHER SPRAYED/GROOVED NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (Y) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3663 | Q | 2010 TEST DECK. |
| 00865.00 | METHOD D WET WEATHER SPRAYED/SURFACE NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (W) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3662 | Q | 2010 TEST DECK. |
| 00865.00 | METHOD D WET WEATHER SPRAYED/SURFACE NON-PROFILED THERMOPLASTIC | 3-M ALL WEATHER THERMO HP (Y) ALL WEATHER CERAMIC 90 BEAD | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 06/10/10 | 3663 | Q | 2010 TEST DECK. |
| 00866.00 | LONGITUDINAL, HP METHOD 2 - SPRAY GROOVED HI-BUILD PAINT 25 MILS | 3-M AWP SERIES 90 LARGE BEAD BASE | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 08/13/09 | 3917 | Q | 3M REFLECTIVE ELEMENTS 90% WET & 10% DRY |
| 00866.00 | LONGITUDINAL, HP METHOD 2 - SPRAY GROOVED PLURAL COMPONENT EPOXY | EPOPLEX LS65QS WHITE & YELLOW | EPOPLEX CORP BOB CASEY 801/619-1442 | 06/10/15 | 4669 | Q | TEST DECK 2012 TWO REFLECTIVE ELEMENT DROP ON OPTIONS. (1) VISIBEAD & POTTER TYPE 1 50%/50% (2) VISIMAX & POTTERS TYPE 1 50%/50% |

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| 00866.00 | LONGITUDINAL, HP METHOD 2 - SPRAY GROOVED PLURAL COMPONENT MODIFIED URETHANE, 25 MIL | HPS-4 | ENNIS TRAFFIC SAFETY SOLUTIONS 800/331-8118 | 08/11/11 | 1979 | Q | TESTED IN R-4 AND R-5 WITH GOOD SUCCESS. |
| 00866.00 | LONGITUDINAL, HP METHOD 2 - SPRAY SURFACE HI-BUILD PAINT 25 MILS | 3-M AWP SERIES 90 LARGE BEAD BASE | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 08/13/09 | 3917 | Q | 3M REFLECTIVE ELEMENTS 90% WET & 10% DRY |
| 00866.00 | LONGITUDINAL, HP METHOD 2 - SPRAY SURFACE HI-BUILD PAINT 25 MILS | ENNIS HB WATERBORNE 985221 WHITE | ENNIS PAINT 800/331-8118 | 01/14/10 | 4008 | Q | TEST DECK: 2005 - LINE# 46. |
| 00866.00 | LONGITUDINAL, HP METHOD 2 - SPRAY SURFACE HI-BUILD PAINT 25 MILS | ENNIS HB WATERBORNE 985222 YELLOW LF | ENNIS PAINT 800/331-8118 | 01/14/10 | 4009 | Q | TEST DECK: 2005 - LINE# 47. |
| 00866.00 | LONGITUDINAL, HP METHOD 2 - SPRAY SURFACE PLURAL COMPONENT EPOXY | EPOPLEX LS65QS WHITE & YELLOW | EPOPLEX CORP BOB CASEY 801/619-1442 | 06/10/15 | 4669 | Q | TEST DECK 2012 TWO REFLECTIVE ELEMENT DROP ON OPTIONS. (1) VISIBEAD & POTTER TYPE 1 50%/50% (2) VISIMAX & POTTERS TYPE 1 50%/50% |
| 00866.00 | LONGITUDINAL, HP METHOD 2 - SPRAY SURFACE PLURAL COMPONENT MODIFIED URETHANE, 25 MIL | HPS-4 | ENNIS TRAFFIC SAFETY SOLUTIONS 800/331-8118 | 08/11/11 | 1979 | Q | |
| 00866.00 | LONGITUDINAL, HP METHOD 2 - SPRAY SURFACE PLURAL COMPONENT POLYUREA, 20 MILS, SPRAY | EPOPLEX LS90 | EPOPLEX CORP BOB CASEY 801/619-1442 | 11/12/09 | 2817 | Q | TEST DECK: 2006 63 & 64 |
| 00867.00 | TRANSVERSE MARKING TYPE A STANDARD HOT Poured THERMOPLASTIC | PERMALINE 884029 PRIMERLESS | ENNIS PAINT 800/331-8118 | 09/09/10 | 1778 | Q | WHITE: 884029 NO PRIMER NEEDED. APPLY AT 120 MIL THICKNESS. BEADS: SWARCO 3130 |
| 00867.00 | TRANSVERSE MARKING TYPE B STANDARD TYPE B-HS HIGH SKID PREFORMED THERMO 125 MILS | PREMARK VIZIGRIP | FLINT TRADING INC-(DBA) ENNIS-FLINT 336/475-6600 STACY SEMANSKEE 425/760-4452 | 12/11/03 | 2474 | Q | NO PRE-HEAT SIMILAR TO PREMARK PLUS BUT HAS ADDED SKID RESISTANT GRIT. BEADS: POTTERS AASHTO BEADS |

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| 00867.00 | TRANSVERSE MARKING TYPE B STANDARD PREFORMED THERMOPLASTIC 125 MILS | HOTAPE (125 MILS) | FLINT TRADING INC-(DBA) ENNIS-FLINT 336/475-6600 STACY SEMANSKEE 425/760-4452 | 08/10/06 | 703 | Q | HEAT PAVEMENT PRIOR TO INSTALL BEADS: POTTERS AASHTO BEADS |
| 00867.00 | TRANSVERSE MARKING TYPE B STANDARD PREFORMED THERMOPLASTIC 125 MILS | PREMARK | FLINT TRADING INC-(DBA) ENNIS-FLINT 336/475-6600 STACY SEMANSKEE 425/760-4452 | 07/08/04 | 2230 | Q | NO PRE-HEAT NAME CHANGED FROM OTD-3. BEADS: POTTERS AASHTO BEADS TEST DECK 9/99 |
| 00867.00 | TRANSVERSE MARKING TYPE B STANDARD TYPE B-HS HIGH SKID PREFORMED THERMO 125 MILS | HOTAPE SKID OPTIC 125 MILS | FLINT TRADING INC-(DBA) ENNIS-FLINT 336/475-6600 STACY SEMANSKEE 425/760-4452 | 07/31/12 | 4225 | Q | HEAT PAVEMENT PRIOR TO INSTALL BEADS: POTTERS AASHTO BEADS |
| 00867.00 | TRANSVERSE MARKINGS TYPE B STANDARD TYPE B-HS HIGH SKID PREFORMED THERMO 125 MILS | ALTA ALL-SEASON SERIES 100-PT | ALTA TRAFFIC SOLUTIONS INC 503/482-7500 | 08/02/11 | 4432 | Q | HEAT PAVEMENT PRIOR TO INSTALL INTEGRAL BEADS SWARCO 3130 SURFACE APPLIED SWARCO 3130 DROP ON BEAD SWARCO 3130 |
| 00907.10 | BIRD SPIKES | BIRD SPIKE 2001 | BIRD-B-GONE 800/392-6915 | 02/14/02 | 2523 | A | STAINLESS STEEL VERSION. |
| 00907.10 | BIRD SPIKES | NIXALITE MODEL S | NIXALITE OF AMERICA INC. 800/624-1189 | 02/14/02 | 2522 | A | STAINLESS STEEL VERSION. |
| 00930.00 | PSST - SIGN SUPPORT | ANCHOR TUBE HEAVY WALL ANCHOR 2 1/2" & 3" x 36" -7GA | SERVICE STEEL 503/224/9500 TRAFFIC SAFTY SUPPLY CO INC 800/547/8518 | 07/14/11 | 4430 | A | |
| 00930.00 | PSST - SIGN SUPPORT | ONE PIECE TUBE ANCHOR HEAVY WALL ANCHOR | PACIFIC PRODUCTS 800/320-3230 TRAFFIC SAFETY 800/547-8518 | 05/13/10 | 3730 | A | 2.5" X 2.5" & 3" X 3" 7GA 36" ANCHORS FOR 2 & 2.5" POSTS PER ODOT TM687. MUST BE ASTM A500 GR B & GALV PER ASTM A123 |
| 00930.00 | PSST - SIGN SUPPORT | TELESPAR | ALLIED TUBE & CONDUIT 708/225-2121 TRAFFIC SAFETY 800/547-8518 | #Error | 4932 | A | G90, 12 GAUGE 2", 2 1/4", 2 1/2" G90 10 GAUGE 2 1/2" |

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| 00930.00 | PSST - SLIP BASE | REDI-TORQUE MODEL 280 (GALV) MODEL: RT8UX-25T36C-G 8" R-T | XCESSORIES SQUARED DEV & MFG 217/438-3535 | 10/14/10 | 4156 | A | HARDWARE ON MFG# 021510. TOP ASSEMBLY ON MFG# 021910. BOTTOM BASE ON MFG#SB8-CTA-36G ASSEMBLY MUST BE GALVANIZED. |
| 00990.43 | TRAFFIC LOOP SEALANTS EPOXY | EAS-14 | QCM COMPANY 800/321-0170 930 S. CENTRAL KENT, WA 98052 | 05/01/88 | 762 | A | AC OR PCC. EPOXY. TYPES 1 & 2; FOR HILLS & FLAT GRADES. DAMP BUT NOT WET. SPECS REQ. 1 YR WARRANTY PAST JOB ACCEPTANCE. |
| 00990.43 | TRAFFIC LOOP SEALANTS HOT MELT ASPHALT | BJ SUPER | DYNAMIC SURFACE APPLICATIONS 800/491-5663 NORTHWEST JOINTS 503/703-0765 WAS LAFARGE NOW DSA | 05/13/04 | 2926 | A | POLYMER MODIFIED ASPHALTIC BINDER. |
| 00990.43 | TRAFFIC LOOP SEALANTS HOT MELT ASPHALT | CRAFCO 34271 LOOP SEALANT | CRAFCO INC. 800/528-8242 GREG SHARP 503/284-4330 | 02/10/00 | 143 | A | AC OR PCC.HOT MELT, RUBBERIZED ASPHALT. HI TEMP CAN MELT WIRE INSULATION. CLEAN & DRY. (WAS DISTRIBUTED BY MSI) |
| 00990.43 | TRAFFIC LOOP SEALANTS HOT MELT ASPHALT | DURAFLEX DETECTOR LOOP SEALANT #760 | HENRY CO. 800/851-1131 ALPINE PRODUCTS 800/591-9466 916/849-9908 | 08/14/03 | 2804 | A | |
| 00990.43 | TRAFFIC LOOP SEALANTS POLYESTER | BONDO P 6061 | 3-M TRAFFIC 404/661-1875 WAS BONDO CORP 800/241-3386 | 08/12/10 | 879 | A | POLYESTER. IT'S POURABLE, SELF LEVELING, ASSURES PROTECTION TO WIRES. SPECS. REQ. 1 YEAR WARRANTY PAST JOB ACCEPTANCE. |
| 00990.43 | TRAFFIC LOOP SEALANTS POLYESTER | BONDO P-606V | 3-M TRAFFIC 404/661/1875 ADVANCED TRAFFIC PRODUCTS 425/347/6308 | 12/30/11 | 4348 | A | POURABLE POLYESTER CURABLE BY FURNISHED MEKP |
| 01010.03 | SCF-DISSOLVED METALS STORMWATER CONTROL FACIL | FILTERRA BIORETENTION SYSTEM | FILTERRA BIORETENTION SYSTEMS 866/349-3458 (AMERICAST) | 01/14/10 | 3703 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01010.03 | SCF-DISSOLVED METALS STORMWATER CONTROL FACIL | MODULAR WETLAND SYSTEMS | MODULAR WETLAND SYSTEM 760/433-7640 | 07/28/14 | 4765 | A | |

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|------------------------|-------------------------------------------------------|---------------------------------------|-----------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------|
| 01010.03 | SCF-OIL TREATMENT STORMWATER CONTROL FACIL | FILTERRA BIORETENTION SYSTEM | FILTERRA BIORETENTION SYSTEMS 866/349-3458 (AMERICAST) | 01/14/10 | 3703 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01010.03 | SCF-OIL TREATMENT STORMWATER CONTROL FACIL | MODULAR WETLAND SYSTEMS | MODULAR WETLAND SYSTEM 760/433-7640 | 07/28/14 | 4765 | A | |
| 01010.03 | SCF-PHOSPHOROUS TREATMENT STORMWATER CONTROL FACIL | FILTERRA BIORETENTION SYSTEM | FILTERRA BIORETENTION SYSTEMS 866/349-3458 (AMERICAST) | 06/25/12 | 3703 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01010.03 | SCF-PHOSPHOROUS TREATMENT STORMWATER CONTROL FACIL | MODULAR WETLAND SYSTEMS | MODULAR WETLAND SYSTEM 760/433-7640 | 07/28/14 | 4765 | A | |
| 01010.03 | SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL | CONTINUOUS DEFLECTIVE SEPARATOR (CDS) | CONTECH STORMWATER SOLUTIONS 503/258-3105 | 09/11/08 | 3690 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01010.03 | SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL | DOWNSTREAM DEFENDER | HYDRO INTERNATIONAL 207/321-3741 OR 207/756-6200 | 07/10/08 | 2001 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01010.03 | SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL | FILTERRA BIORETENTION SYSTEM | FILTERRA BIORETENTION SYSTEMS 866/349-3458 (AMERICAST) | 01/08/09 | 3703 | A | NOT ON WSDOE APPROVED LIST |
| 01010.03 | SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL | MODULAR WETLAND SYSTEMS | MODULAR WETLAND SYSTEM 760/433-7640 | 07/28/14 | 4765 | A | |
| 01010.03 | SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL | VORTECHS SYSTEM | CONTECH STORMWATER SOLUTIONS 503/258-3105 | 09/11/08 | 3693 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |

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|------------------------|----------------------------------------------------|------------------------------|-----------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------|
| 01010.03 | SCF-SEDIMENT PRETREATMENT STORMWATER CONTROL FACIL | STORMCEPTOR | RINKER MATERIALS 800/909-7763 PETER VAN TILBURG 503/572-9894 | 04/08/10 | 1696 | A | SEDIMENT CONTAINMENT.CLEAN-OUT IS BY VACUUM TRUCK. CONSULT WITH GEOHYDRO. |
| 01010.03 | SCF-SUSPENDED SOLIDS STORMWATER CONTROL FACIL | BAY FILTER | BAY SAVER, INC. 800/229-7283 | 07/10/08 | 3588 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01010.03 | SCF-SUSPENDED SOLIDS STORMWATER CONTROL FACIL | FILTERRA BIORETENTION SYSTEM | FILTERRA BIORETENTION SYSTEMS 866/349-3458 (AMERICAST) | 01/14/10 | 3703 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01010.03 | SCF-SUSPENDED SOLIDS STORMWATER CONTROL FACIL | FLOGARD PERK FILTER | KRISTAR ENTERPRISES 951/970-0728 | 04/12/13 | 4605 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01010.03 | SCF-SUSPENDED SOLIDS STORMWATER CONTROL FACIL | MEDIA FILTRATION SYSTEM | CONTECH STORMWATER SOLUTIONS 503/258-3105 | 09/11/08 | 3691 | A | CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01010.03 | SCF-SUSPENDED SOLIDS STORMWATER CONTROL FACIL | MODULAR WETLAND SYSTEMS | MODULAR WETLAND SYSTEM 760/433-7640 | 07/28/14 | 4765 | A | |
| 01010.03 | SCF-SUSPENDED SOLIDS STORMWATER CONTROL FACIL | STORMWATER MGT STORMFILTER | CONTECH STORMWATER SOLUTIONS 503/258-3105 | 09/11/08 | 3692 | A | USE MEDIA ZPG CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. |
| 01040.17 | SOIL BIO-AMENDMENT | MYCOAPPLY ENDO | MYCORRHIZAL APPLICATIONS 866/476-7800 OR 541/476-3985 | 02/11/10 | 3938 | A | |
| 01040.17 | SOIL BIO-AMENDMENT | MYCOAPPLY ENDO PLUS | MYCORRHIZAL APPLICATIONS 866/476-7800 OR 541/476-3985 | 02/11/10 | 3939 | A | |

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|------------------------|-----------------------------------|-----------------------------------|-----------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------|
| 01040.17 | SOIL BIO-AMENDMENT | MYCOAPPLY ENDO/ECTO PLUS | MYCORRHIZAL APPLICATIONS 866/476-7800 OR 541/476-3985 | 02/11/10 | 3940 | A | |
| 01040.17 | SOIL BIO-AMENDMENT | MYCOAPPLY ENDONET | MYCORRHIZAL APPLICATIONS 866/476-7800 OR 541/476-3985 | 02/11/10 | 3944 | A | |
| 01040.17 | SOIL BIO-AMENDMENT | MYCOAPPLY MICRONIZED ENDO | MYCORRHIZAL APPLICATIONS 866/476-7800 OR 541/476-3985 | 02/11/10 | 3941 | A | |
| 01040.17 | SOIL BIO-AMENDMENT | MYCOAPPLY MICRONIZED ENDO/ECTO | MYCORRHIZAL APPLICATIONS 866/476-7800 OR 541/476-3985 | 02/11/10 | 3942 | A | |
| 01040.17 | SOIL BIO-AMENDMENT | MYCOAPPLY SOLUBLE MAXX | MYCORRHIZAL APPLICATIONS 866/476-7800 OR 541/476-3985 | 02/11/10 | 3943 | A | |
| 01040.17 | SOIL BIO-AMENDMENT | NATURE'S OWN LIVING HUMUS | NATURE'S NEEDS 503/647-9489 | 04/14/05 | 2947 | A | |
| 01040.17 | SOIL BIO-AMENDMENT | PERMAMATRIX BIOTIC SOIL AMENDM | SUNMARK ENVIRONMENTAL 503/241-7333 | 11/11/10 | 4218 | A | |
| 01040.17E | SOIL BIO-AMENDMENT MYCORRHIZAL | BIOTIC EARTH BLACK | VERDYOL PLANT RESEARCH 320/910-4800 ACF WEST 503/771-5115 | 05/30/13 | 4663 | A | |
| 01040.17E | SOIL BIO-AMENDMENT MYCORRHIZAL | PROGANICS BIOTIC SOIL MEDIA (BSM) | PROFILE PRODUCTS LLC 800/508-8681 ACF WEST 503/771-5115 | 08/04/15 | 4897 | A | |

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|------------------------|----------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|
| 01040.22 | MOISTURE RETENTION CHEMICAL - FOR SOIL | SOIL MOIST - POLYMER | JRM CHEMICAL 800/962-4010 1675 MARYLHURST DR WEST LINN, OR 97068 503/636-8849 | 11/09/06 | 446 | A | ACRYLIC POLYMER REDUCE WATERINGS BY 50% INTENDED FOR PLANTING IN LOW MOISTURE AREAS. |
| 01040.22 | MOISTURE RETENTION CHEMICAL - FOR SOIL | STOCKOSORB 660 | EVONIK STOCKHAUSEN336/335-3871 INNOVATIVE TURF SOLUTIONS 513/317-8311 | 05/13/10 | 4137 | A | USE CARE IN APPLICATION. |
| 01070.00 | MAILBOX SUPPORTS | T&T MAILBOX SUPPORT MODELS 15001 & 15002 | TRAFFIC SAFETY/TAPCO 800/547-8518 | 07/14/05 | 3166 | A | SLIGHT MODIFICATION OF TAPCO SUPPORT BY TRAFFIC SAFETY TO MEET OUR REQUIREMENTS - RD100. INCLUDES V-WING ANCHOR (20VR3) |
| 02010.10 | CEMENT, TYPE I | NEVADA CEMENT | NEVADA CEMENT 775/575-2281 LAKEVIEW REDIMIX 541/947-2212 | 01/12/06 | 3229 | A | SUBSTANCIALY MET AASHTO M85 TYPE I, DID NOT MEET TYPE II REQUIREMENTS. |
| 02010.10 | CEMENT, TYPE I, II | CAL PORTLAND - MOJAVE CEMENT | CALPORTLAND COMPANY Kevin Wolf 503/535-7713 | 12/11/08 | 3724 | A | |
| 02010.10 | CEMENT, TYPE I, II | CAL PORTLAND - NANJING | CALPORTLAND COMPANY Kevin Wolf 503/535-7713 | 05/14/09 | 1619 | A | SOURCE: ONODA (NANJING). |
| 02010.10 | CEMENT, TYPE III | LAFARGE CEMENT - KAMLOOPS | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 01/11/96 | 1475 | A | KAMLOOPS PLANT AASHTO TYPE III ODOT ID# 1475B |
| 02010.10 | CEMENT, TYPES I, II | CAL PORTLAND - SSANGYONG CEMENT SsangYong Cement Ind. Corp. | CALPORTLAND COMPANY Kevin Wolf 503/535-7713 | 07/26/13 | 4671 | A | |
| 02010.10 | CEMENT, TYPES I, II | CEMEX YAQUI | CEMEX 713/650-6200 CHRIS WALZ 951/264-2426 | 01/21/14 | 4704 | A | YAQUI CEMENT MEXICO |

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|------------------------|--------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------------|
| 02010.10 | CEMENT, TYPES I, II | LAFARGE CEMENT - EXSHAW | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 01/11/96 | 1475 | A | EXSHAW PLANT: AASHTO TYPE I,II ODOT ID# 1475A |
| 02010.10 | CEMENT, TYPES I, II | LAFARGE CEMENT - RICHMOND BC | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 12/09/99 | 1968 | A | |
| 02010.10 | CEMENT, TYPES I, II | LEHIGH CEMENT-DELTA WAS CALAVARAS THEN TILBURY | LEHIGH NORTHWEST CEMENT CO. 503/293-8459 Allan Kramer 800/752-6795 206/255-2845 | 01/07/98 | 1746 | A | DELTA BC PLANT. |
| 02010.10 | CEMENT, TYPES I, II, III | ASH GROVE CEMENT - DURKEE | ASHGROVE CEMENT CO. DAVE BURG 503/207-2109 | 01/14/99 | 1472 | A | DURKEE PLANT ONLY. AASHTO TYPES I, II, & III. |
| 02010.10 | CEMENT, TYPES I, II, III | LEHIGH CEMENT-REDDING WAS CALAVARAS THEN TILBURY | LEHIGH SOUTHWEST CEMENT CO. REDDING 530/275-1581 | 01/11/96 | 1473 | A | REDDING CALIFORNIA PLANT ONLY. AASHTO TYPES I,II,III |
| 02010.20 | CEMENT, TYPE IP (15) | LAFARGE CEMENT - SEATTLE | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 12/09/99 | 1970 | A | TYPE F FLY ASH BLENDED-SEATTLE PLANT TYPE 1 CEMENT WITH 15% TYPE F FLY ASH |
| 02010.20 | CEMENT, TYPE IS (20) | LAFARGE MAXCEM (20%) | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 02/14/02 | 2298 | A | SLAG BLENDED - SEATTLE PLANT TYPE 1 CEMENT WITH 20% SLAG |
| 02010.20 | CEMENT, TYPE IS (30) | LAFARGE MAXCEM (30%) | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 09/08/05 | 3021 | A | SLAG BLENDED - SEATTLE PLANT TYPE 1 CEMENT WITH 30% SLAG |
| 02015.20 | PCC REPAIR | FIVE STAR HWY PATCH | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASON'S SUPPLY 800/537-3407 | 05/01/88 | 65 | A | VERY RAPID SETTING |

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|------------------------|-----------------|----------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------------------------------------------|
| 02015.20 | PCC REPAIR | MASTER EMACO S 440 MC WAS MBT LA REPAIR MORTAR | BASF BUILDING SYSTEMS TECH: 800/433-9517 OPTION 5 BRUCE JACKSON 503/722-4101 | 06/14/07 | 611 | A | VERTICAL |
| 02015.20 | PCC REPAIR | MASTER EMACO T 1060 WAS MBT THOROC 10-60 RAPID MORTAR | BASF BUILDING SYSTEMS TECH: 800/433-9517 OPTION 5 BRUCE JACKSON 503/722-4101 | 06/14/07 | 839 | A | VERY RAPID SETTING MINIMUM THICKNESS: 1/2 INCH |
| 02015.20 | PCC REPAIR | MBT SET 45 | BASF BUILDING SYSTEMS TECH: 800/433-9517 OPTION 5 BRUCE JACKSON 503/722-4101 | 06/14/07 | 655 | A | VERY RAPID SETTING DO NOT USE UNDER LATEX OR POLYESTER-RESIN CONCRETE OVERLAYS MAGNESIUM PHOSPHATE |
| 02015.20 | PCC REPAIR | PHOSCRETE FOUR-SEASONS | PHOSCRETE CORPORATION 561/420-0595 NORCOE INC. 206/484-8236 | 10/04/13 | 4696 | A | VERY RAPID SETTING |
| 02015.20 | PCC REPAIR | PHOSCRETE HC | PHOSCRETE CORPORATION 561/420-0595 NORCOE INC. 206/484-8236 | 05/25/16 | 4953 | A | VERY RAPID SETTING |
| 02015.20 | PCC REPAIR | PHOSCRETE VO-PLUS | PHOSCRETE CORPORATION 561/420-0595 NORCOE INC. 206/484-8236 | 10/04/13 | 4697 | A | VERY RAPID SETTING |
| 02015.20 | PCC REPAIR | PLANITOP 18 | MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647 | 09/06/16 | 5003 | A | VERY RAPID SETTING |
| 02015.20 | PCC REPAIR | PLANITOP 18 ES | MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647 | 09/06/16 | 5004 | A | VERY RAPID SETTING |
| 02015.20 | PCC REPAIR | SPEED CRETE 2028 | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 01/09/03 | 1790 | A | VERY RAPID SETTING MINIMUM THICKNESS: 1/2 INCH |

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|------------------------|-----------------|----------------------|------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------|
| 02015.20 | PCC REPAIR | SPEED CRETE RED LINE | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 10/09/08 | 207 | A | VERTICAL COSMETIC APPLICATIONS ONLY ADDED GYPSUM IN PRODUCT |
| 02015.20 | PCC REPAIR | TAMMS EXPRESS REPAIR | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 10/09/08 | 2536 | A | VERY RAPID SETTING |
| 02015.20 | PCC REPAIR | US SPEC POLYPATCH FR | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 12/17/12 | 4571 | A | VERY RAPID SETTING |
| 02015.20 | PCC REPAIR | US SPEC QUICKSET | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 03/10/11 | 4341 | A | VERTICAL RAPID SETTING (WAS QUICKSET 20) |
| 02015.20 | PCC REPAIR | US SPEC R3 | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 08/02/16 | 4974 | A | VERY RAPID SETTING |
| 02015.20 | PCC REPAIR | US SPEC STR MORTAR | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 01/13/11 | 4158 | A | RAPID SETTING |
| 02015.20 | PCC REPAIR | US SPEC TP MORTAR | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 12/17/12 | 4570 | A | VERTICAL 0-1/2" APPLICATIONS |
| 02015.20 | PCC REPAIR | US SPEC TP MORTAR | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 12/17/12 | 4570 | A | RAPID SETTING 0-1/2" APPLICATIONS |
| 02015.20 | PCC REPAIR | US SPEC TRANSPATCH | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 12/27/16 | 2860 | A | VERY RAPID SETTING |

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|------------------------|--------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------|
| 02015.20 | PCC REPAIR | US SPEC TRANSPATCH CONCRETE | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 07/26/13 | 4409 | A | VERY RAPID SETTING |
| 02015.20 | PCC REPAIR | US SPEC TRANSPATCH EXT | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 12/27/16 | 5021 | A | STANDARD SETTING |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | CHEMPATCH V/O 1 | CHEMMASTERS 800/486-7866 UNITED RENTALS 503/234-0255 | 12/14/06 | 3290 | A | RAPID SETTING & VERTICAL MODULUS: 3,600,000 |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | EUCO REPAIR V100 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/820-4576 MASONS SUPPLY 800/537-3407 | 03/25/14 | 4756 | A | VERY RAPID SETTING, VERTICAL |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | MASTER EMACO N 400 RS WAS THOROC HBA REPAIR MORTAR | BASF BUILDING SYSTEMS TECH: 800/433-9517 OPTION 5 BRUCE JACKSON 503/722-4101 | 05/01/88 | 216 | A | VERTICAL COSMETIC SURFACE REPAIRS ONLY |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | PLANITOP X | MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647 | 10/20/16 | 5006 | A | VERY RAPID SETTING |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | PLANITOP XS | MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647 | 10/20/16 | 5007 | A | VERY RAPID SETTING |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | REPCON 928 | SPEC CHEM 913/371-8700 WHITE CAP 800/456-7445 | 07/07/14 | 4781 | A | VERY RAPID SETTING |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | SPEC PATCH 15 | SPEC CHEM 913/371-8700 WHITE CAP 800/456-7445 | 08/04/15 | 4834 | A | STANDARD SETTING WAS NAMED PRECAST PATCH |

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|------------------------|--------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------|
| 02015.30 | PCC REPAIR POLYMER MODIFIED | SPEED CRETE PM | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 10/09/08 | 2530 | A | VERTICAL |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | TAMMS FORM & POUR | EUCLID CHEMICAL DAVE DILLON 425/820-4576 MASONS SUPPLY 800/537-3407 | 10/09/08 | 3504 | A | VERTICAL |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | US SPEC V/O PATCH | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 11/25/15 | 1992 | A | RAPID SETTING |
| 02015.30 | PCC REPAIR POLYMER MODIFIED | US SPEC WS-P1 | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 03/10/11 | 4342 | A | VERTICAL |
| 02030.10 | CONCRETE SCM-FLY ASH | Boundary Dam Class Fly Ash Estevan Saskatchewan Power | BOUNDRY DAM POWER PLANT 1 604/952-5621 LEHIGH NW CEMENT COMPANY 1/800/752-6794 | 05/16/12 | 4493 | Q | CLASS F |
| 02030.10 | CONCRETE SCM-FLY ASH | CENTRALIA FLY ASH - LAFARGE F | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 05/08/08 | 3620 | Q | CLASS F |
| 02030.10 | CONCRETE SCM-FLY ASH | CLASS C FLY ASH - BOARDMAN MUST COME FROM BOARDMAN PLANT. | BORAL MATERIALS 210/349-4069 | 01/16/95 | 1463 | Q | CLASS C |
| 02030.10 | CONCRETE SCM-FLY ASH | COAL CREEK CLASS F FLY ASH COAL CREEK - UNDERWOOD ND | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 07/14/11 | 4413 | Q | CLASS F |
| 02030.10 | CONCRETE SCM-FLY ASH | COAL CREEK FLY ASH | HEADWATERS RESOURCES SKIP HUFFMAN 888/657-5159 | 05/11/06 | 3305 | Q | CLASS F |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|----------------------|----------------------------------------------------------------|----------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------|
| 02030.10 | CONCRETE SCM-FLY ASH | DELTA CLASS F FLY ASH | HEADWATERS RESOURCES SKIP HUFFMAN 888/657-5159 | 09/10/09 | 3953 | Q | CLASS F INTERMOUNTAIN POWER PLANT; DELTA,UTAH. |
| 02030.10 | CONCRETE SCM-FLY ASH | GENESEE FLY ASH | EPOR INC. 780/412-3489 ENX INC. 780/454-4199 | 08/12/04 | 2999 | Q | CLASS F |
| 02030.10 | CONCRETE SCM-FLY ASH | HEADWATERS - JE CORETTE | HEADWATERS RESOURCES SKIP HUFFMAN 888/657-5159 | 05/10/07 | 3479 | Q | CLASS C DISTRIBUTED FROM CENTRALIA. COMES FROM BILLINGS MT. |
| 02030.10 | CONCRETE SCM-FLY ASH | HEADWATERS - JIM BRIDGER ASH | HEADWATERS RESOURCES Douglas Yeggy 916/214-7293 | 03/08/07 | 3449 | Q | CLASS F |
| 02030.10 | CONCRETE SCM-FLY ASH | HEADWATERS MARTIN LAKE FLY ASH MARTIN (TX) LAKE POWER PLANT | HEADWATERS RESOURCES SKIP HUFFMAN 888/657-5159 | 02/11/10 | 4088 | Q | CLASS F |
| 02030.10 | CONCRETE SCM-FLY ASH | LAFARGE CENTRALIA CLASS C ASH | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 05/13/10 | 4143 | Q | CLASS C TRANS ALTA CENTRALIA POWER PLANT |
| 02030.10 | CONCRETE SCM-FLY ASH | MICRON3 | BORAL MATERIALS 210/349-4069 | 07/14/05 | 3095 | Q | CLASS F ULTRA FINE GRIND |
| 02030.10 | CONCRETE SCM-FLY ASH | SHEERNESS CLASS F FLY ASH ATCO POWER - CALGARY ALBERTA | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 07/14/11 | 4412 | Q | CLASS F |
| 02030.10 | CONCRETE SCM-FLY ASH | SUNDANCE CLASS F FLY ASH | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 05/08/08 | 3634 | Q | CLASS F |

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|------------------------|----------------------------------------|----------------------|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------|
| 02030.10 | CONCRETE SCM-FLY ASH | WABAMUN FLY ASH | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 07/12/07 | 3528 | Q | CLASS F WABAMUN, ALBERTA; CANADA. |
| 02030.20 | COMCRETE SCM-SILICA FUME (MICROSILICA) | CON-FUME SILICA FUME | CEMENTEC INDUSTRIES 403/720-6699 | 04/09/09 | 3820 | Q | |
| 02030.20 | CONCRETE SCM-SILICA FUME (MICROSILICA) | EMS-970D | ELKEM MATERIALS 412/299-7229 | 09/10/09 | 3959 | Q | |
| 02030.20 | CONCRETE SCM-SILICA FUME (MICROSILICA) | FERROATLANTICA -DSF | FRRROATLANTICA RED INDUSTRIAL PRODUCTS 814/673-1552 | 07/09/09 | 3892 | Q | WAS DISTRIBUTED BY ACT |
| 02030.20 | CONCRETE SCM-SILICA FUME (MICROSILICA) | FORCE 10,000D | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 12/09/04 | 3054 | Q | |
| 02030.20 | CONCRETE SCM-SILICA FUME (MICROSILICA) | MASTERLIFE SF 100 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 3053 | Q | WAS RHEOMAC SF-100 1/14 |
| 02030.20 | CONCRETE SCM-SILICA FUME (MICROSILICA) | NORCHEM -DSF | NORCHEM 631/7248639 ACT 360/332-7060 | 12/23/15 | 4937 | Q | |
| 02030.20 | CONCRETE SCM-SILICA FUME (MICROSILICA) | R-E-D FUME 102 DM | MISSISSIPPI SILICON 662/696-2600 RED IND. PROD. 814/673-1552 | 06/14/16 | 4964 | Q | |
| 02030.30 | CONCRETE ADMIX - LATEX | MODIFIER A/NA | TRINSEO 989/636-2496 | 07/14/11 | 1305 | Q | FOR LATEX MODIFIED CONCRETE OVERLAY |

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|------------------------|---------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------|
| 02030.30 | CONCRETE ADMIX- LATEX | STYROFAN 1186 | BASF CORP, CHEMICALS DIV. JOHN SWEENEY 317/293-4250 800/251-0612 | 05/01/88 | 566 | Q | FOR LATEX MODIFIED CONCRETE OVERLAY |
| 02030.40 | CONCRETE SCM - GGBF (SLAG) | DURA SLAG | ASHGROVE CEMENT CO. DAVE BURG 503/207-2109 | 09/10/09 | 3970 | Q | GROUND GRANULATED BLAST FURNACE SLAG. |
| 02030.40 | CONCRETE SCM - GGBF (SLAG) | LAFARGE NEWCEM | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 09/08/05 | 3022 | Q | GROUND GRANULATED BLAST FURNACE SLAG. |
| 02030.40 | CONCRETE SCM-GGBF (SLAG) | CALPORTLAND SLAG CEMENT | SAMPYO CORPORATION SOUTH KOREA CALPORTLAND 503/5357713 | 05/07/12 | 4491 | Q | |
| 02030.50 | CONCRETE SCM - METAKAOLIN HI REACTIVITY | POWER POZZ | GRACE DAVISON 803/648-9575 ADVANCED CEMENT TECHNOLOGIES KEN MCPHALEN 360/332-7060 | 04/10/08 | 2676 | Q | |
| 02030.60 | CONCRETE SCM-BLENDED | NEWCEM PLUS | LAFARGE CORPORATION ROB SHOGREN 206/923-9953 | 07/05/13 | 4670 | Q | FLY ASH F & GGBS BLEND |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | AIR TITE 60 NOW CALLED DARAVAIR AT60 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397 | 01/09/97 | 1599 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | DARAVAIR 1000 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397 | 04/11/02 | 2557 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | DARAVAIR AT30 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397 | 05/10/07 | 3491 | A | |

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|------------------------|---------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | DARAVAIR PAVE 10 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 04/14/11 | 4270 | A | SAME AS DARAVAIR 1000 |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | DAREX II AEA | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 06/10/93 | 1035 | A | MFG HAS SUBMITTED TEST RESULTS CONFORMING TO ASTM C-260. USES ORGANIC ACID SALTS IN AN AQUEOUS SOLUTION. |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | EUCON AEA 92 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 09/09/04 | 2257 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | EUCON AIR 40 WAS BORAL AIR 40 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 05/14/98 | 1741 | A | LIQUID ADDITIVE, SAID BY MANUF.TO REDUCE PERMEABILITY, & ENHANCE FREEZE/THAW & DE-ICE CAPABILITY OF CONCRETE. |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | EUCON AIR MIX 200 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 09/09/04 | 2256 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | FRITZ-PAK AIR PLUS | FRITZ-PAK 888/746-4116 MASONS SUPPLY 800/537-3407 | 07/08/93 | 1040 | A | DRY, POWDERED AEA ADMIX. 236ML UPS FULL LOAD 1/4 TO 1%. COMPATIBLE W/ALL AEA + CACL. ADD OTHER ADMIX. SEPARATELY. |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | FRITZ-PAK SUPER AIR PLUS | FRITZ-PAK 888/746-4116 MASONS SUPPLY 800/537-3407 | 07/08/93 | 1041 | A | DRY, POWDERED AEA ADMIX. 236ML UPS FULL LOAD 3/4 TO 2%. COMPATIBLE W/ALL AEA + CACL. ADD OTHER ADMIX SEPARATELY. |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | MASTERAIR AE 200 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2957 | A | WAS MICRO AIR 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | MASTERAIR AE 400 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 11/11/10 | 4264 | A | WAS EVERAIR PLUS 1/14 |

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| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | MASTERAIR AE 90 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1163 | A | WAS MB-AE 90 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | MASTERAIR VR 10 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2047 | A | WAS MB-VR 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | PAVE AIR 90 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 06/11/09 | 3899 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | PAVE-AIR | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1358 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | POLYCHEM AE | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 11/14/02 | 2545 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | SIKA AIR | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASON'S SUPPLY 800/537-3407 | 01/12/06 | 3243 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | SIKA AIR 260 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASON'S SUPPLY 800/537-3407 | 07/10/13 | 4679 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | SIKA MULTI AIR 25 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASON'S SUPPLY 800/537-3407 | 03/10/11 | 4349 | A | |
| 02040.10 | CHEMICAL ADMIXTURES AIR ENTRAINING AGENT | STABLE AIR | CELLULAR CONCRETE TECHNOLOGIES 949/754-0570 | 07/26/12 | 4503 | A | |

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|------------------------|----------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | ADVA 150M | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 08/10/16 | 4972 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | ADVA FLEX | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 07/14/11 | 4405 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | ADVA XT2 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 07/09/13 | 4677 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | DARACEM 19 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 02/13/97 | 1565 | A | ALSO KNOWN AS WRDA 19 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | DARACEM 55 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 03/09/95 | 1294 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | EUCON HC WAS BORAL HC | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 02/11/99 | 1737 | A | WAS RELCRETE TW-4 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | EUCON HW WAS BORAL HW | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 05/14/98 | 1736 | A | DESIGNED FOR COLD WEATHER USE, WITH MIN. RETARDING |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | EUCON LR WAS BORAL LR | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/12/01 | 1732 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | EUCON MR | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 01/12/06 | 2258 | A | |

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| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | EUCON NW WAS BORAL NW | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 05/14/98 | 1733 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | EUCON RD2 WAS BORAL RD2 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 05/01/88 | 2049 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | EUCON WR | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 01/12/06 | 2261 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | EUCON WR91 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 09/09/04 | 2259 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | EUCON X-15 WAS BORAL X-15 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 05/14/98 | 1731 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | KB1000 | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 11/14/02 | 2548 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERGLENium 7101 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 09/13/07 | 3484 | A | WAS GLENium 7101 1/14 NOT COMPATIBLE WITH BETA- NAPHTHALENE SULFONATE ADDITIVE |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERGLENium 7500 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 09/13/07 | 3501 | A | WAS GLENium 7500 1/14 NOT COMPATIBLE WITH BETA- NAPHTHALENE SULFONATE ADDITIVE |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERGLENium 7920 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 01/08/15 | 4856 | A | |

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|------------------------|----------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERPAVE | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1359 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERPAVE N | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 215 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERPOLYHEED 100 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1903 | A | WAS POLYHEED FC 100 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERPOLYHEED 900 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2903 | A | WAS POLYHEED 900 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERPOLYHEED 997 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 213 | A | WAS POLYHEED 997 1/14 WAS POZZOLITH POLYHEED. 1/98 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERPOZZOLITH 200 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1428 | A | WAS POZZOLITH 200N 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERPOZZOLITH 322 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2059 | A | WAS POZZOLITH 322N 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERPOZZOLITH 80 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1477 | A | WAS POZZOLITH 80 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MASTERRHEOBUILD 1000 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1353 | A | WAS RHEOBUILD 1000 1/14 |

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QUALIFIED PRODUCTS LIST
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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|----------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MELCHEM | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 04/14/05 | 2554 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MIRA 110 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 11/12/09 | 3992 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | MIRA 62 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 04/09/09 | 3850 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | PLASTOCRETE 100 | SIKA CORPORATION 330/495-0109 | 01/08/15 | 4839 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | PLASTOL 6400 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/07/14 | 4794 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | PLASTOL 6420 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 04/07/16 | 4945 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | POLYCHEM 1000 | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 11/14/02 | 2547 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | POLYCHEM 400 NC | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 05/08/03 | 2549 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | POLYCHEM VR | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 11/14/02 | 2546 | A | |

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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|----------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | POZZOLITH 700 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 01/21/14 | 4707 | A | WAS POZZOLITH 700N 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | PS-1466 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 3238 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | SIKA VISCOCRETE 1000 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 07/10/13 | 4680 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | SIKA VISCOCRETE 2100 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 01/12/06 | 3251 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | SIKA VISCOCRETE 2110 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 03/10/11 | 4350 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | SIKA VISCOCRETE 4100 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 01/12/06 | 3250 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | SIKA VISCOCRETE 6100 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 01/12/06 | 3252 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | SIKAMENT 475 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 10/20/16 | 5010 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | SIKAMENT 686 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 01/12/06 | 3249 | A | |

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 JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|----------------------------------------------------------|---------------------|-----------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | SIKAPLAST 300GP | SIKA CORPORATION 330/495-0109 | 01/21/14 | 4719 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | WRDA 20 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 01/10/02 | 2484 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | WRDA 27 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 01/10/02 | 2473 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | WRDA 64 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 01/13/94 | 1078 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | WRDA 82 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 08/08/91 | 771 | A | SAME AS WRDA PAVE 18 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | WRDA PAVE 17 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 04/14/11 | 4273 | A | SAME AS WRDA 79 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | WRDA PAVE 18 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 04/14/11 | 4274 | A | SAME AS WRDA 82 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | ZYLA 610 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 08/14/08 | 3325 | A | CARBOHYDRATE BASED MONITOR COMPATIBILITY |
| 02040.10 | CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER | ZYLA 630 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 01/08/09 | 3731 | A | |

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|------------------------|---------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER | DARATARD 17 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 05/01/88 | 1883 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER | MASTERSET R 100 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2055 | A | WAS POZZOLITH 100XR 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER | MASTERSET R 300 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2058 | A | WAS POZZOLITH 300R 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER | PLASTIMENT | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 MASONS SUPPLY 800/537-3407 ATLAS SUPPLY 800/806-7952 | 05/01/88 | 2051 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER | PLASTIMENT ES | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 MASONS SUPPLY 800/537-3407 ATLAS SUPPLY 800/806-7952 | 03/10/11 | 4351 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER | PLASTIMENT XR | SIKA CORPORATION330/495-0109 | 06/14/16 | 4960 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | ACCELGUARD 80 WAS EUCON CAN & BORAL CAN | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/12/01 | 1740 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | ACCELGUARD NCA | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/07/14 | 4797 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | ACCLGUARD G3 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 04/07/16 | 4946 | A | |

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|------------------------|--------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | DARASET 400 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 KEITH TERRILL 480/381-0780 | 02/14/08 | 3603 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | DARASET HES | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 04/09/09 | 3849 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | DCI | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 02/13/92 | 543 | A | CALCIUM NITRATE SOLUTION FOR SET ACCELERATION ONLY. LONG TERM EFFECTS AS A CORROSION INHIBITOR UNKNOWN. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | EUCON CIA | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 05/08/08 | 2262 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | MASTERLIFE CI 30 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1880 | A | WAS RHEOCRETE CNI 1/14 HAS A CORROSION INHIBITOR. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | MASTERPOLYHEED 100 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1903 | A | WAS POLYHEED FC 100 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | MASTERSET FP 20 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2705 | A | WAS POZZUTEC 20+ 1/14 NON CHLORIDE ACCEL AND POLYCARBOXYLATE DISPERSANT. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | POLARSET | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 12/14/95 | 1406 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | POLYCHEM CI | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 02/13/03 | 2555 | A | |

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|------------------------|---------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | POLYCHEM SUPER SET | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 05/08/03 | 2551 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | SIKA CNI | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASON'S SUPPLY 800/537-3407 | 01/12/06 | 3253 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | SIKA RAPID 1 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASON'S SUPPLY 800/537-3407 | 01/12/06 | 3246 | A | DO NOT USE WITH ANTI-SHRINK ADDITIVES. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR | SIKASET NC | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASON'S SUPPLY 800/537-3407 | 01/12/06 | 3247 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE C ADMIXTURE NON CHLORIDE | MASTERSSET AC 534 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1879 | A | WAS POZZOLITH NC 534 1/14 HIGH DOSE OF ACCELERATOR MAY SEE UP TO 3000 PSI IN ONE HOUR. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE | DARAFILL | GCP APPLIED TECHNOLOGIES INC. BOB HOOPE'S 508/878-2397 | 01/21/14 | 4711 | A | CAPSULES (EGG) |
| 02040.10 | CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE | DARAFILL BP | GCP APPLIED TECHNOLOGIES INC. BOB HOOPE'S 508/878-2397 | 01/21/14 | 4712 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE | DARAFILL DRY | GCP APPLIED TECHNOLOGIES INC. BOB HOOPE'S 508/878-2397 | 01/21/14 | 4710 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE | EUCON EASY FILL | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASON'S SUPPLY 800/537-3407 | 07/07/14 | 4793 | A | |

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|------------------------|---------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE | GOLDEN AIR | AERIX INDUSTRIES 484/223-0279 FORTA CORPORATION 724/458-5221 | 01/21/14 | 4721 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE | MASTERCELL 25 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 01/21/14 | 4708 | A | WAS RHEOCELL RHEOFILL 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE SUPER SET EXTENDERS | MASTERSSET DELVO | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 751 | A | FOR USE AS SET EXTENDER ONLY. APPROVAL ON THE MIX DESIGN NEEDED. BRIDGE DECKS AND OVERLAYS. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE SUPER SET EXTENDERS | RECOVER | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 12/09/04 | 1521 | A | FOR USE AS SET EXTENDER ONLY. APPROVAL ON THE MIX DESIGN NEEDED. BRIDGE DECKS AND OVERLAYS. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCER / RETARDER | MASTERSSET DELVO | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 751 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCER / RETARDER | RECOVER | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 03/10/11 | 1521 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCER / RETARDER | V-MAR VSC 500 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 04/08/10 | 4129 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCER / RETARDER | WRDA 82 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 03/10/11 | 771 | A | SAME AS WRDA PAVE 18 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCER / RETARDER | WRDA PAVE 18 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 04/14/11 | 4274 | A | SAME AS WRDA 82 |

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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|--------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCER/RETARDER | EUCON WR | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 01/12/06 | 2261 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCER/RETARDER | EUCON WR91 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 09/09/04 | 2259 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCER/RETARDER | FR - 1 | FRITZ-PAK 888/746-4116 MASONS SUPPLY 800/537-3407 | 07/13/00 | 2147 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | DARATARD 17 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 05/01/88 | 1883 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | EUCON DS | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/07/14 | 4796 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | EUCON LR WAS BORAL LR | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 09/13/01 | 1732 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | EUCON RETARDER 100 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 09/09/04 | 2255 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | EUCON TR WAS BORAL TR | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 06/14/01 | 1735 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | MASTERSET R 100 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2055 | A | WAS POZZOLITH 100XR 1/14 |

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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|----------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | MASTERSSET R 300 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2058 | A | WAS POZZOLITH 300R 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | PLASTIMENT | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 MASONS SUPPLY 800/537-3407 ATLAS SUPPLY 800/806-7952 | 05/01/88 | 2051 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | PLASTIMENT ES | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 MASONS SUPPLY 800/537-3407 ATLAS SUPPLY 800/806-7952 | 03/10/11 | 4351 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | PLASTIMENT XR | SIKA CORPORATION330/495-0109 | 06/14/16 | 4960 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | POLYCHEM R | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 05/08/03 | 2550 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER | POZZOLITH 700 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 01/21/14 | 4707 | A | WAS POZZOLITH 700N 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR | ACCELGUARD 80 WAS EUCON CAN & BORAL CAN | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/12/01 | 1740 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR | ACCELGUARD NCA | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/07/14 | 4797 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR | ACCLGUARD G3 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 04/07/16 | 4946 | A | |

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|------------------------|----------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR | MASTERPOLYHEED 100 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1903 | A | WAS POLYHEED FC 100 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR | MASTERSET FP 20 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2705 | A | WAS POZZUTEC 20+ 1/14 NON CHLORIDE ACCEL AND POLYCARBOXYLATE DISPERSANT. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR | POLYCHEM SUPER SET | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 05/08/03 | 2551 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR | SIKASET NC | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 01/12/06 | 3247 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | ADVA 140M SAME AS ADVA 140 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 06/08/06 | 2599 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | ADVA 150M | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 08/10/16 | 4972 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | ADVA 190 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 06/14/07 | 3459 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | ADVA 198 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 05/27/15 | 4886 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | ADVA CAST 575 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 05/10/07 | 3490 | A | |

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|------------------------|---------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | ADVA CAST 600 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 19/13/ | 4592 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | DARACEM 55 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 11/12/09 | 1294 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | EUCON MR | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 01/12/06 | 2258 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | EUCON SP WAS BORAL SP | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 06/14/01 | 1738 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MASTERGLENium 3030 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 2524 | A | WAS GLENium 3030 NS 1/14 DESIGNED FOR SELF LEVELING CONCRETE. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MASTERGLENium 3400 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 3047 | A | WAS GLENium 3400 NV 1/14 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MASTERGLENium 7101 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 06/14/07 | 3484 | A | WAS GLENium 7101 1/14 NOT COMPATIBLE WITH BETA- NAPHTHALENE SULFONATE ADDITIVE |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MASTERGLENium 7500 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 07/12/07 | 3501 | A | WAS GLENium 7500 1/14 NOT COMPATIBLE WITH BETA- NAPHTHALENE SULFONATE ADDITIVE |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MASTERGLENium 7700 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 09/13/07 | 3536 | A | WAS GLENium 7700 1/14 NOT COMPATIBLE WITH BETA- NAPHTHALENE SULFONATE ADDITIVE |

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|------------------------|----------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MASTERGLENIUM 7920 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 01/08/15 | 4856 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MELCHEM | GENERAL RESOURCE TECHNOLOGY 800/324-8154 OR 651/454-4151 | 04/14/05 | 2554 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MIRA 110 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 11/12/09 | 3992 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MIRA 62 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 04/09/09 | 3850 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | MIRA 95 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 05/27/15 | 4887 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | PS-1466 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 3238 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER | SIKAMENT 475 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASON'S SUPPLY 800/537-3407 | 10/20/16 | 5010 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER FOR PRECAST/PRESTRESS | ADVA CAST 555 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 06/08/06 | 3324 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | ADVA 195 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 01/08/09 | 3725 | A | |

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| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | ADVA 405 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 03/10/11 | 4354 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | ADVA CAST 585 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 07/07/14 | 4798 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | ADVA FLEX | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 07/14/11 | 4405 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | EUCON 37 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 09/09/04 | 2260 | A | WAS P# 1357 Q IN 6/89. D 9/04 CAUSE MFG DIDN'T INCL TESTS. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | EUCON RD2 WAS BORAL RD2 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 05/01/88 | 2049 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | FRITZ SUPERCIZER 1 | FRITZ-PAK 888/746-4116 MASONS SUPPLY 800/537-3407 | 09/10/92 | 901 | A | DESIGNED AS SLUMP CONTROL W/O ADDING MORE WATER. SUBMIT WITH MIX DESIGN. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | FRITZ SUPERCIZER 5 | FRITZ-PAK 888/746-4116 MASONS SUPPLY 800/537-3407 | 09/10/92 | 902 | A | CAN REDUCE WATER REQUIREMENTS UP TO 25%. SUBMIT W/MIX DESIGN |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | FRITZ SUPERCIZER 6 | FRITZ-PAK 888/746-4116 MASONS SUPPLY 800/537-3407 | 09/10/92 | 903 | A | CAN REDUCE WATER REQUIREMENTS UP TO 40%. SUBMIT W/MIX DESIGN |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | MASTERRHEOBUILD 1000 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 1353 | A | WAS RHEOBUILD 1000 1/14 |

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|------------------------|------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | PLASTOL 6200EXT | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/07/14 | 4795 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | PLASTOL 6400 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/07/14 | 4794 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | PLASTOL 6420 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 04/07/16 | 4945 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | PLASTOL ULTRA 209 | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 08/02/16 | 4967 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | SIKA VISCOCRETE 1000 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 07/10/13 | 4680 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | SIKA VISCOCRETE 2100 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 01/12/06 | 3251 | A | EXTENDED SLUMP LIFE: 60-90 MIN |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | SIKA VISCOCRETE 2110 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 03/10/11 | 4350 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | SIKA VISCOCRETE 4100 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 01/12/06 | 3250 | A | MAY RETARD SET. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | SIKA VISCOCRETE 6100 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 01/12/06 | 3252 | A | |

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|------------------------|------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER | SIKAMENT 686 | SIKA CORP 201/933-8800 JAMES DEMARO 908/552-1427 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 01/12/06 | 3249 | A | MAY RETARD SET. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE F ADMIXTURE WATER REDUCER | MASTERPOLYHEED 997 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/12/06 | 213 | A | WAS POLYHEED 997 1/14 WAS POZZOLITH POLYHEED. 1/98 |
| 02040.10 | CHEMICAL ADMIXTURES TYPE G ADMIXTURE HI RNGE H2O REDUCE/RETARD | FRITZ-PAK SUPERCIZER 7 | FRITZ-PAK 888/746-4116 MASONS SUPPLY 800/537-3407 | 07/12/01 | 2146 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE S ADMIXTURE RHEOLOGY MODIFER | VMAR F100 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 03/19/14 | 4757 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE S ADMIXTURE VISCOSITY MODIFIER | MASTERMATRIX VMA 358 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 05/14/09 | 2526 | A | WAS RHEOMAC VMA 358 1/14 DESIGNED FOR SELF LEVELING CONCRETE |
| 02040.10 | CHEMICAL ADMIXTURES TYPE S ADMIXTURE VISCOSITY MODIFIER | VISCTROL | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 07/07/14 | 4792 | A | |
| 02040.10 | CHEMICAL ADMIXTURES TYPE S ADMIXTURE VISCOSITY MODIFIER | V-MAR 3 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 05/14/09 | 3197 | A | REPORT ANY UNUSUAL CRACKING OR OTHER PROBLEMS. |
| 02040.10 | CHEMICAL ADMIXTURES TYPE S ADMIXTURE WORKABILITY RETAINING | MASTERSURE Z 60 | BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 03/10/11 | 3901 | A | WAS RHEOTEC Z-60 1/14 FOR SELF CONSOLIDATING CONCRETE |
| 02045.10 | SYNTHETIC FIBER REINFORCING MICRO | GRACE MICROFIBER | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 10/20/14 | 4835 | A | DOSE RATE OF 1.0 POUNDS PER CUBIC YARD FOR COMMERCIAL GRADE CONCRETE NOT FOR HIGH PERFORMANCE CONCRETE NOT FOR SFC OVERLAY |

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|------------------------|-------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|
| 02045.10 | SYNTHETIC FIBER REINFORCING MICRO | MASTERFIBER F100 | BASF-ADMIXTURE 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 04/27/16 | 4951 | A | DOSE RATE OF 1.5 POUNDS PER CUBIC YARD FOR COMMERCIAL GRADE CONCRETE NOT FOR HIGH PERFORMANCE CONCRETE NOT FOR SFC OVERLAY |
| 02045.10 | SYNTHETIC FIBER REINFORCING MICRO | MONO-TUF | ABC POLYMER INDUSTRIES, LLC 615/275-8115 | 10/20/16 | 5012 | A | DOSE RATE OF 1.0 POUNDS PER CUBIC YARD FOR COMMERCIAL GRADE CONCRETE NOT FOR HIGH PERFORMANCE CONCRETE NOT FOR SFC OVERLAY |
| 02045.20 | SYNTHETIC FIBER REINFORCING MACRO | FORTA FERRO | FORTA CORPORATION BOB GRACE 800/245-0306 | 03/24/15 | 4880 | A | DOSE RATE OF 5.5 POUNDS PER CUBIC YARD FOR HIGH PERFORMANCE CONCRETE DOSE RATE OF 5.5 POUNDS PER CUBIC YARD FOR SFC OVERLAY |
| 02045.20 | SYNTHETIC FIBER REINFORCING MACRO | MACROPRO | ABC POLYMER INDUSTRIES, LLC 615/275-8115 | 08/30/16 | 4996 | A | DOSE RATE OF 5.0 POUNDS PER CUBIC YARD FOR HIGH PERFORMANCE CONCRETE |
| 02045.20 | SYNTHETIC FIBER REINFORCING MACRO | MASTERFIBER MAC MATRIX | BASF-ADMIXTURE 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 01/19/16 | 4940 | A | DOSE RATE OF 5 POUNDS PER CUBIC YARD FOR HIGH PERFORMANCE CONCRETE |
| 02045.20 | SYNTHETIC FIBER REINFORCING MACRO | STRUX 90/40 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 01/21/14 | 4090 | A | DOSE RATE OF 5.5 POUNDS PER CUBIC YARD FOR HIGH PERFORMANCE CONCRETE DOSE RATE OF 6.0 POUNDS PER CUBIC YARD FOR SFC OVERLAY |
| 02045.20 | SYNTHETIC FIBER REINFORCING MACRO | STRUX BT50 | GCP APPLIED TECHNOLOGIES INC. BOB HOOPEES 508/878-2397 | 01/21/14 | 4741 | A | DOSE RATE OF 7 POUNDS PER CUBIC YARD FOR SFC OVERLAY |
| 02045.30 | SYNTHETIC FIBER REINFORCING BLEND | MASTERFIBER BLEND OF MAC 2200CB & M 100 | BASF-ADMIXTURE 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232 | 10/14/15 | 4933 | A | DOSE RATE OF 4 # MAC 2200CB & 0.5# M 100 PER CUBIC YARD FOR HIGH PERFORMANCE CONCRETE AND SFC OVERLAY |
| 02050.10 | CURING COMPOUND, CONCRETE TYPE 1, CLASS A | SEALTIGHT 1300 CLEAR VOC'S = 18G/L | W.R. MEADOWS 800/342-5976 CST-CONCRETE SPEC 541/567-8810 MASONS SUPPLY 800/537-3407 WESTSIDE CONCRETE 503/591-0203 | 05/01/88 | 776 | Q | CLEAR WAX. WATCH SHELF LIFE. NOT FOR USE ON PCC PAVING UNLESS COLORED CONCRETE IS SPECIFIED |

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|------------------------|-----------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------|
| 02050.10 | CURING COMPOUND, CONCRETE TYPE 2, CLASS A | AMERICAN WHITE WAX DOT CURE VOC'S = 42 G/L | AMERICAN CONCRETE SYSTEMS INC REP: JAN WINN 619/578-5270 WESTSIDE CONCRETE ACCESSORIES BRIAN MCALLISTER 503/591-0203 | 02/13/92 | 832 | Q | WHITE WAX. MIX WELL. |
| 02050.10 | CURING COMPOUND, CONCRETE TYPE 2, CLASS A | L & M CURE W-2 VOC = 25 G/L | L & M CONSTRUCTION CHEMICALS 800/362-3331 OR 420/453-6600 BILL PAVITT 425/562-6076 | 07/09/92 | 850 | Q | WATERBASED. MIX WELL. |
| 02050.10 | CURING COMPOUND, CONCRETE TYPE 2, CLASS A | SEALTIGHT 1635 VOC'S = 18 G/L | W.R. MEADOWS 800/342-5976 CST-CONCRETE SPEC 541/567-8810 MASONS SUPPLY 800/537-3407 WESTSIDE CONCRETE 503/591-0203 | 03/09/00 | 1038 | Q | WHITE WAX. WATCH SHELF LIFE. |
| 02050.10 | CURING COMPOUND, CONCRETE TYPE 2, CLASS A | WHITE WAX CURE J-9A VOC'S = 42 G/L | DAYTON SUPERIOR 800/745-3703 LISA WEAVER 937/866-0711 X44187 | 03/11/10 | 3924 | Q | |
| 02050.10 | CURING COMPOUND, CONCRETE TYPE 2, CLASS A & B | SEALTIGHT 1200 VOC'S = 69G/L | W.R. MEADOWS 800/342-5976 CST-CONCRETE SPEC 541/567-8810 MASONS SUPPLY 800/537-3407 WESTSIDE CONCRETE 503/591-0203 | 08/08/91 | 760 | Q | WHITE RESIN. WATCH SHELF LIFE |
| 02050.30 | CURING BLANKET, CONCRETE | GEOTEX CCB6 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC. 503/771-5115 | 12/10/12 | 4555 | A | POLYPROPYLENE FABRIC. STILL NEEDS POLYETHYLENE FABRIC AS WITH BURLAP. |
| 02050.30 | CURING BLANKET, CONCRETE | SKAPS GE160 WHITE | SKAPS VIA GEOTK 888/708-8835 | 04/13/06 | 3228 | A | NON-WOVEN NEEDLE PUNCHED POLYPROPYLENE FABRIC. STILL NEEDS POLYETHYLENE FABRIC AS WITH BURLAP. |
| 02055.10 | CONCRETE SURFACE RETARDER FORM SURFACES | FORMULA F SURFACE RETARDER | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 10/14/10 | 3559 | A | OK FOR PLACEMENT ON FORMS TEST TO DETERMINE CURE TIME. |
| 02055.10 | CONCRETE SURFACE RETARDER FORM SURFACES | MBT HI-V | BASF 952/496-6000 BRUCE JACKSON 503/722-4101 | 12/10/09 | 3568 | A | OK FOR PLACEMENT ON FORMS TEST TO DETERMINE CURE TIME. |

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| 02055.10 | CONCRETE SURFACE RETARDER FORM SURFACES | MBT TUF-COTE | BASF 952/496-6000 BRUCE JACKSON 503/722-4101 | 12/13/07 | 3578 | A | OK FOR PLACEMENT ON FORMS TEST TO DETERMINE CURE TIME. |
| 02055.10 | CONCRETE SURFACE RETARDER FORM SURFACES | MBT X-POZ-R | BASF 952/496-6000 BRUCE JACKSON 503/722-4101 | 12/13/07 | 3577 | A | OK FOR PLACEMENT ON FORMS TEST TO DETERMINE CURE TIME. |
| 02055.10 | CONCRETE SURFACE RETARDER FORM SURFACES | PIERI DURO-TARD | GCP APPLIED TECHNOLOGIES INC. DENNIS BAUGH 703/626-1577 MASONS SUPPLY 800/537-3407 | 12/10/09 | 3561 | A | OK FOR PLACEMENT ON FOMRS TEST TO DETERMINE CURE TIME. |
| 02055.10 | CONCRETE SURFACE RETARDER FORM SURFACES | SUPER TARD-F | CLEMONS CONCRETE COATINGS 615/872-9099 | 12/10/09 | 3558 | A | OK FOR PLACEMENT ON FORMS TEST TO DETERMINE CURE TIME. |
| 02055.10 | CONCRETE SURFACE RETARDER FRESH CONCRETE SURFACES | FORMULA S SURFACE RETARDER | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 10/14/10 | 4215 | A | OK FOR PLACEMENT- FRESH CONCR. TEST TO DETERMINE CURE TIME. |
| 02055.10 | CONCRETE SURFACE RETARDER FRESH CONCRETE SURFACES | MBT EAC-S | BASF 952/496-6000 BRUCE JACKSON 503/722-4101 | 12/13/07 | 3576 | A | OK FOR PLACEMENT- FRESH CONCR. TEST TO DETERMINE CURE TIME. |
| 02055.10 | CONCRETE SURFACE RETARDER FRESH CONCRETE SURFACES | MBT X-POZ-R | BASF 952/496-6000 BRUCE JACKSON 503/722-4101 | 12/13/07 | 3577 | A | OK FOR PLACEMENT- FRESH CONCR. TEST TO DETERMINE CURE TIME. |
| 02055.10 | CONCRETE SURFACE RETARDER FRESH CONCRETE SURFACES | SPECETCH | SPECHEM LLC 816/968-5600 WHITE CAP 503/287-4151 | 06/13/14 | 4778 | A | OK FOR PLACEMENT- FRESH CONCR. TEST TO DETERMINE CURE TIME. |
| 02060.10 | CONCRETE AND CRACK SEALER LOW MOD HMWM | KBP FLEX | KWIK BOND POLYMERS,LLC DAN ULDALL 360/600-7762 | 03/24/15 | 4882 | A | |

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| 02060.10 | CONCTERE AND CRACK SEALER LOW MOD EPOXY | DURAL 50 LM | EUCLID CHEMICAL DAVE DILLON 425/338-4958 | 06/14/07 | 3447 | A | |
| 02060.10 | CONCTERE AND CRACK SEALER LOW MOD EPOXY | E-BOND 523 PENETRATING SEALER CRACK HEALER PRIMER | E-BOND EPOXIES, INC 954/566-6555 TRANSPO INDUSTRIES 914/636-1000 | 01/21/14 | 4705 | A | |
| 02060.10 | CONCTERE AND CRACK SEALER LOW MOD EPOXY | EP-100 | E-CHEM LLC. 720/201-8810 | 08/10/16 | 4980 | A | |
| 02060.10 | CONCTERE AND CRACK SEALER LOW MOD HMWM | TRANSPO SEALATE T70MX-30 | TRANSPO INDUSTRIES 914/636-1000 | 03/10/05 | 2488 | A | 3 PART MOISTURE SENSITIVE |
| 02060.10 | CONCTERE AND CRACK SEALER LOW-MOD EPOXY | PRO-POXY 40 FS | DAYTON SUPERIOR/UNITEX STEVE HACKWORTH 253/2450263 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 01/03/17 | 5029 | A | 2 PART EPOXY |
| 02060.10 | CONCTERE AND CRACK SEALER LOW-MOD EPOXY | PRO-POXY 40 LV LM | Unitex by Dayton Superior David Minor 970/286-9229 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 02/10/11 | 4159 | A | |
| 02060.20 | CONCTERE AND CRACK SEALER HIGH MOD EPOXY | CCS COATING EPOXY HEALER SEALR | CHEMCO SYSTEMS 800/757-6773 650/261-3790 | 07/12/07 | 2338 | A | MOISTURE SENSITIVE |
| 02060.20 | CONCTERE AND CRACK SEALER HIGH MOD EPOXY | DURAL 335 | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 03/10/05 | 1918 | A | |
| 02060.20 | CONCTERE AND CRACK SEALER HIGH MOD EPOXY | EP-100 HM | E-CHEM 720/201-8810 | 08/02/16 | 4975 | A | 2 COMPONENT EPOXY 50°F MINIMUM APPLICATION |

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| 02060.20 | CONCTERE AND CRACK SEALER HIGH MOD HMWM | KBP 103 | KWIK BOND POLYMERS DAN ULDALL 360/600-7762 | 03/10/05 | 2597 | A | 3 PARTS. 6 MO SHELF LIFE. CRACKS: .004 -.118 CHECK W/MFG MFG CLAIMS OK FOR DAMP SURFACE 40-100 DEGREES F. REMOVE EXCES |
| 02060.20 | CONCTERE AND CRACK SEALER HIGH MOD HMWM | KBP 204 | KWIK BOND POLYMERS DAN ULDALL 360/600-7762 | 03/10/05 | 2598 | A | 3 PARTS. 6 MONTH SHELF LIFE. CRACKS: .004 -.118 CHECK W/MFG MFG CLAIMS OK FOR DAMP SURFACE 40-100 DEGREES F. REMOVE EXCES |
| 02060.20 | CONCTERE AND CRACK SEALER HIGH MOD HMWM | SIKA PRONTO 19TF | SIKA CORP 800/933-7452 THAD BROWN 425/486-5916 MASONS SUPPLY 800/537-3407 ATLAS SUPPLY 800/806-7952 | 03/10/05 | 1072 | A | MOISTURE SENSITIVE |
| 02060.20 | CONCTERE AND CRACK SEALER HIGH MOD HMWM | SURE SEAL HMWM | Unitex by Dayton Superior David Minor 970/286-9229 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 12/05/16 | 5018 | A | 3 COMPONENT, ACCELERATOR NOT TO BE USED |
| 02060.30 | CONCRETE SEALER WATER REPELLENT | MASTER PROTECT H 1000 WAS HYDROZO 100 | BASF BUILDING SYSTEMS TECH: 800/433-9517 OPTION 5 BRUCE JACKSON 503/722-4101 | 06/14/07 | 2177 | A | 100% SILANE. ALBERTA DOT 1C LIST APPROVED |
| 02060.30 | CONCRETE SEALER WATER REPELLENT | PROTECTOSIL BHN | EVONIK CORPORATION 360/904-9847 SALLEECO INC. 253/841-2849 | 06/16/15 | 4891 | A | 100% SILANE. ALBERTA DOT 1C LIST APPROVED |
| 02060.30 | CONCRETE SEALER WATER REPELLENT | SEALMASTER 100% | TECHNICAL BARRIER SYSTEMS 888/537-2888 BRUCE HOLLIDAY 503/646-0801 | 11/11/10 | 4155 | A | 100% SILANE. ALBERTA DOT 1C LIST APPROVED. |
| 02060.30 | CONCRETE SEALER WATER REPELLENT | SIL-ACT ATS 100 | ADVANCED CHEMICAL TECHNOLOGIES KEVIN BROWN 800/535-0433 JIM SULLIVAN 206/484-8236 | 02/10/11 | 4337 | A | 100% SILANE. ALBERTA DOT 1C LIST APPROVED |
| 02060.30 | CONCRETE SEALER WATER REPELLENT | SW-244-100VOC | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 08/12/10 | 4179 | A | 100% SILANE. ALBERTA DOT 1C, LIST APPROVED |

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APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
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JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|----------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------|
| 02070.10 | BONDING AGENT, EPOXY | DURAL 452 GEL | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 03/17/14 | 4750 | A | TYPE IV, V GRADE 3 CLASS C |
| 02070.10 | BONDING AGENT, EPOXY | DURAL 452 LV | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 03/17/14 | 4752 | A | TYPE IV, GRADE 1 CLASS C |
| 02070.10 | BONDING AGENT, EPOXY | DURAL 452 MV | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 03/17/14 | 4751 | A | TYPE IV, V GRADE 2 CLASS 2 |
| 02070.10 | BONDING AGENT, EPOXY | DURAL FAST SET EPOXY GEL | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 03/17/14 | 4753 | A | TYPE IV, GRADE 3 CLASS B & C |
| 02070.10 | BONDING AGENT, EPOXY | PRO-POXY 204 | Unitex by Dayton Superior David Minor 970/286-9229 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 12/14/06 | 3122 | A | TYPE IV, V GRADE 2 CLASS B & C |
| 02070.10 | BONDING AGENT, EPOXY | SPECPOXY 1000 | SPECICHEM LLC 816/968-5600 WHITE CAP 503/287-4151 | 06/13/14 | 4780 | A | TYPE IV, V GRADE 1 CLASS B & C |
| 02070.10 | BONDING AGENT, EPOXY | SPECPOXY 2000 | SPECICHEM LLC 816/968-5600 WHITE CAP 503/287-4151 | 06/13/14 | 4782 | A | TYPE IV, V GRADE 2 CLASS B & C |
| 02070.10 | BONDING AGENT, EPOXY | SPECPOXY 3000 | SPECICHEM LLC 816/968-5600 WHITE CAP 503/287-4151 | 09/03/14 | 4833 | A | TYPE IV, V GRADE 3 CLASS C |
| 02070.10 | BONDING AGENT, EPOXY | ULTRABOND 2100 | ADHESIVES TECHNOLOGY RICHARD BOLAND 800/892-1880 | 03/11/13 | 4600 | A | TYPE IV, V GRADE 1 CLASS B & C |

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|------------------------|--------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------|
| 02070.10 | BONDING AGENT, EPOXY | UNITEX SLOW SET BONDING AGENT | Unitex by Dayton Superior David Minor 970/286-9229 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 05/10/07 | 3123 | A | TYPE V GRADE 2 CLASS B & C |
| 02070.20 | BONDING AGENT, NON-EPOXY | EVERBOND | L & M CONSTRUCTION CHEMICALS 800/362-3331 OR 420/453-6600 | 07/09/09 | 1315 | A | ASTM C1059 TYPE ii |
| 02070.20 | BONDING AGENT, NON-EPOXY | TARGET POLYMER BONDING AGENT | TARGET PRODUCTS 800/575-7700 WILLAMETTE GRYSTN 541/726-7666 WILLIAMS FORM ENG 800/255-0560 | 05/01/88 | 1194 | A | |
| 02070.20 | BONDING AGENT, NON-EPOXY | US SPEC DURA | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560 | 09/17/14 | 4806 | A | USE ABOVE 40 DEGREES F AND ABOVE 40 DEGREES FOR 48 HOURS CURE TIME. |
| 02080.20 | GROUT, NON-EPOXY | WIL-X CEMENT | WILLIAMS FORM 800/255-0560 | 10/09/03 | 2890 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | 1107 ADVANTAGE GROUT | DAYTON SUPERIOR 800/745-3703 LISA WEAVER 937/866-0711 X44187 | 12/10/98 | 1427 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | CRYSTEX | L & M CONSTRUCTION CHEMICALS 800/362-3331 OR 420/453-6600 BILL PAVITT 425/562-6076 | 07/09/09 | 319 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | EUCO NS GROUT | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 10/09/08 | 1233 | A | CEMENTITIOUS BASED. |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | FIVE STAR FLUID GROUT 100 | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 MASONS SUPPLY 800/537-3407 | 01/16/15 | 4868 | A | |

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|------------------------|--------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------|
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | FIVE STAR GROUT | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASONS SUPPLY 800/537-3407 | 07/14/11 | 4301 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | FIVE STAR INSTANT GROUT | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASONS SUPPLY 800/537-3407 | 05/01/88 | 1216 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | NC GROUT | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 04/11/06 | 1425 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | PLANIGROUT 712 | MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647 | 08/30/16 | 4989 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | SC MULTIPURPOSE GROUT | SPEC CHEM 913/371-8700 MASONS 800/537-3407 WHITE CAP 800/456-7445 | 07/09/09 | 3494 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | SIKAGROUT 212 | SIKA CORP 800/933-7452 THAD BROWN 425/486-5917 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 12/10/09 | 546 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | TARGET PORTLAND EXPANDING | TARGET PRODUCTS 800/575-7700 WILLAMETTE GRYSTN 541/726-7666 WILLIAMS FORM ENG 800/255-0560 | 12/17/93 | 668 | A | NON-SHRINK GROUT. |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | UNITEX MULTI-PURPOSE GROUT | Unitex by Dayton Superior David Minor 970/286-9229 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 04/12/07 | 3472 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | US SPEC GP GROUT | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 11/11/10 | 1930 | A | |

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|------------------------|--------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------|
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | US SPEC MP GROUT ODOT | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 11/11/10 | 3424 | A | |
| 02080.20 | GROUT, NON-EPOXY NON-SHRINK | US SPEC RA GROUT | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 06/12/14 | 4775 | A | |
| 02080.30 | GROUT, KEYWAY | 1107 ADVANTAGE GROUT | DAYTON SUPERIOR 800/745-3703 LISA WEAVER 937/866-0711 X44187 | 12/10/98 | 1427 | A | |
| 02080.30 | GROUT, KEYWAY | CRYSTEX | L & M CONSTRUCTION CHEMICALS 800/362-3331 OR 420/453-6600 BILL PAVITT 425/563-6076 | 07/09/09 | 319 | A | |
| 02080.30 | GROUT, KEYWAY | EUCO NS GROUT | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 10/09/08 | 1233 | A | CEMENTITIOUS BASED. |
| 02080.30 | GROUT, KEYWAY | FIVE STAR INSTANT GROUT | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASONS SUPPLY 800/537-3407 | 05/01/88 | 1216 | A | |
| 02080.30 | GROUT, KEYWAY | SIKAGROUT 212 | SIKA CORP 800/933-7452 THAD BROWN 425/486-5916 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 12/10/09 | 546 | A | |
| 02080.30 | GROUT, KEYWAY | TARGET PORTLAND EXPANDING | TARGET PRODUCTS 800/575-7700 WILLAMETTE GRYSTN 541/726-7666 WILLIAMS FORM ENG 800/255-0560 | 05/01/88 | 668 | A | |
| 02080.30 | GROUT, KEYWAY | UNITEX MULTI-PURPOSE GROUT | Unitex by Dayton Superior David Minor 970/286-9229 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 04/12/07 | 3472 | A | |

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|------------------------|------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|
| 02080.30 | GROUT, KEYWAY | US SPEC GP GROUT | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 11/11/10 | 1930 | A | |
| 02080.30 | GROUT, KEYWAY | US SPEC MP GROUT ODOT | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 11/11/10 | 3424 | A | |
| 02080.30 | GROUT, KEYWAY CEMENTITIOUS | FIVE STAR GROUT | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASONS SUPPLY 800/537-3407 | 07/14/11 | 4301 | A | |
| 02080.30 | GROUT, KEYWAY CEMENTITIOUS | SC MULTIPURPOSE GROUT | SPEC CHEM 913/371-8700 MASONS 800/537-3407 WHITE CAP 800/456-7445 | 07/09/09 | 3494 | A | NONMETALLIC, NONSHRINK, CEMENTITIOUS GROUT. 2/3 WATER WITH DRY GROUT MIX THOROUGHLY THAN ADD 1/3 WATER MIX 2-3MINUTES. |
| 02080.30 | GROUT, KEYWAY CEMENTITIOUS W/ FLYASH | NC GROUT | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 05/11/06 | 1425 | A | |
| 02080.50 | GROUT, TENDON - VR 0-100' VERTICAL RISE: 0 - 100' | MASTER FLOW 1206 WAS MBT MASTERFLOW 1341 | BASF BUILDING SYSTEMS TECH: 800/433-9517 OPTION 5 BRUCE JACKSON 503/722-4101 | 06/14/07 | 3010 | Q | |
| 02080.50 | GROUT, TENDON - VR 0-100' VERTICAL RISE: 0 - 100' | EUCO CABLE GROUT PTX | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 08/24/12 | 4513 | Q | |
| 02080.50 | GROUT, TENDON - VR 0-100' VERTICAL RISE: 0 - 100' | FIVE STAR SPECIAL GROUT 400 | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASONS SUPPLY 800/537-2307 | 07/14/05 | 3134 | Q | |
| 02080.50 | GROUT, TENDON - VR 0-100' VERTICAL RISE: 0 - 100' | TARGET 1121 CABLE DUCT GROUT | TARGET PRODUCTS 800/575-7700 WILLIAMS FORM 503/286-3647 WHITECAP 503/287-4151 | 04/08/10 | 4089 | Q | |

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|------------------------|------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|---------------------------------------------------------------------|
| 02080.50 | GROUT, TENDON - VR 0-100' VERTICAL RISE: 0 - 100' | US SPEC NA-100 | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 01/08/15 | 4861 | Q | |
| 02080.50 | GROUT, TENDON - VR 0-20' VERTICAL RISE: 0 - 20' | US SPEC NA-50 | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 09/09/10 | 4206 | Q | |
| 02080.50 | GROUT, TENDON - VR 0-6' VERTICAL RISE: 0 - 6' | MASTER FLOW 1205 | BASF BUILDING SYSTEMS TECH: 800/433-9517 OPTION 5 BRUCE JACKSON 503/722-4101 | 06/14/07 | 2461 | Q | PRODUCT NAME CHANGE PENDING |
| 02080.50 | GROUT, TENDON - VR 0-6' VERTICAL RISE: 0 - 6' | US SPEC NA GROUT | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 04/13/06 | 3048 | Q | |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | 1107 ADVANTAGE GROUT | DAYTON SUPERIOR 800/745-3703 LISA WEAVER 937/866-0711 X44187 | 12/10/98 | 1427 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | CRYSTEX | L & M CONSTRUCTION CHEMICALS 800/362-3331 OR 420/453-6600 BILL PAVITT 425/562-6076 | 07/09/09 | 319 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | EUCO NS GROUT | EUCLID CHEMICAL 800/321-7628 DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 10/09/08 | 1233 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | FIVE STAR FLUID GROUT 100 | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 MASONS SUPPLY 800/537-3407 | 11/06/15 | 4868 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | FIVE STAR GROUT | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASONS SUPPLY 800/537-3407 | 07/14/11 | 4301 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |

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|------------------------|------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------------------------|
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | FIVE STAR INSTANT GROUT | FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASONS SUPPLY 800/537-3407 | 05/01/88 | 1216 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | NC GROUT | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 04/11/06 | 1425 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | SC MULTIPURPOSE GROUT | SPEC CHEM 913/371-8700 MASONS 800/537-3407 WHITE CAP 800/456-7445 | 07/09/09 | 3494 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | SIKAGROUT 212 | SIKA CORP 800/933-7452 THAD BROWN 425/486-5917 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407 | 12/10/09 | 546 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | UNITEX MULTI-PURPOSE GROUT | Unitex by Dayton Superior David Minor 970/286-9229 WILLIAMS FORM ENG 800/255-0560 KNIFE RIVER 503/648-3100 | 04/12/07 | 3472 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | US SPEC GP GROUT | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 11/11/10 | 1930 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02080.60 | GROUT, STRUCTURAL NON-EPOXY | US SPEC MP GROUT ODOT | US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560 | 11/11/10 | 3424 | A | BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS. |
| 02110.20 | GUARDRAIL BLOCKS, PLASTIC - WOOD/STEEL POST | MONDO BLOCK II | MONDO POLYMER TECHNOLOGIES RENO, OHIO; 614/376-9396 | 10/10/02 | 2635 | A | STRONG STEEL OR WOOD POSTS. |
| 02110.20 | GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST | DURA-BULL BLOCKOUT | CREATIVE BUILDING PRODUCTS 800/860-2855 | 12/12/96 | 1520 | A | RECYCLED PLASTIC BLOCK FOR GUARDRAIL INSTALLATIONS. SPECIAL PROVISION SP00810 |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|------------------------------------------------|------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------------------------------------------|
| 02110.20 | GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST | KING BLOCK MODIFIED 2007 | TRINITY INDUSTRIES, INC. MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 | 10/11/07 | 3531 | A | THIS MODEL IS FOR STEEL POSTS ONLY. 70% RECYCLED PLASTIC. |
| 02110.20 | GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST | LIFETIME BLOCKOUTS | LIFETIME LUMBER PRODUCTS 419/478-9000 | 01/11/01 | 2355 | A | RECYCLED COMPOSITE BLOCK FOR GUARDRAIL INSTALLATIONS. STEEL POSTS |
| 02110.20 | GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST | MONDO POLYMER BLOCKOUT FOR MIDWEST GUARDRAIL SYSTEM (MGS) | MONDO POLYMER TECHNOLOGIES 740/376-9396 | 03/17/16 | 4944 | A | FOR STEEL POSTS ONLY. MASH TL-3 (STRONG STEEL POST W-BEAM GR) |
| 02110.20 | GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST | P-BLOCK SERIES: P-BLOCK | MONROEVILLE INDUSTRIAL MOLDING 419/668-1820 | 10/08/09 | 3960 | A | FOR STEEL POSTS ONLY. |
| 02110.20 | GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST | P-BLOCK SERIES: THRIE BEAM BLK | MONROEVILLE INDUSTRIAL MOLDING 419/668-1820 | 10/08/09 | 3962 | A | FOR STEEL POSTS ONLY. |
| 02190.30 | WOOD, FIELD PRESERVATIVE TREATMENT | CU-89-RTU II | OSMOSE RAILROAD SERVICES, INC TOM POPE 770/632-6783 | 04/29/13 | 4624 | A | CONTAINS 2% COPPER AS METAL. NAPHTHENATE |
| 02190.30 | WOOD, FIELD PRESERVATIVE TREATMENT | TENINO COPPER NAPHTHENATE | COPPER CARE WOOD PRESERVATIVE 402/562-6815 | 06/11/09 | 3727 | A | CONTAINS 2% COPPER AS METAL. |
| 02210.20 | TIMBER COATING | A-100 EXTERIOR OIL STAIN BLOCKING PRIMER A-100 EXTERIOR LATEX STAIN | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 01/21/14 | 4734 | A | PRIMER AND TOP COAT SYSTEM |
| 02210.20 | TIMBER COATING | PURE PAINT PRIMER ACRI-LITE SATIN 7400 SERIES | MILLER PAINT CO 503/233-4491 | 01/21/14 | 4736 | A | PRIMER AND TOP COAT SYSTEM |

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| 02210.20 | TIMBER COATING | STAIN STOMPER EXTERIOR PRIMER 2110-1200N FORTIS 350 EXTERIOR SATIN PAINT 2402 | GLIDDEN 541/953-9754 | 01/21/14 | 4735 | A | PRIMER AND TOP COAT SYSTEM |
| 02210.30 | LATEX EMULSION PAINT FOR CONCRETE FINISH | ACRYTUFF # 87G102 | FORREST PAINT EUGENE, OR 97402 REP:MICHAEL JACKSON 541/342-1821 | 05/09/96 | 1438 | A | SPECIALLY FORMULATED TO MEET OUR 100-82 FORMULA. ORIGINALLY: 99-87J24-04-0 |
| 02210.30 | LATEX EMULSION PAINT FOR CONCRETE FINISH | LOXON ACRYLIC COATING A24W300 SERIES | SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612 | 03/10/05 | 2249 | A | BASE: A24W00351 & A24W00353 COLOR FEDERAL STANDARD 595C |
| 02210.30 | LATEX EMULSION PAINT FOR CONCRETE FINISH | MILLER EXTERIOR ACRYLIC #9191 | MILLER PAINT CO 503/233-4491 | 05/01/88 | 1721 | A | DESIGNED TO MEET THE ODOT EMULSION FORMULA 100-82. |
| 02210.30 | LATEX EMULSION PAINT FOR CONCRETE FINISH | RODDA EXTERIOR ACRYLIC #24735 | RODDA PAINT 12000 SW GARDEN PLACE PORTLAND OR 97223 503/521-4300 | 05/01/88 | 1326 | A | DESIGNED TO MEET ODOT EMULSION FORMULA 100-82. CONCRETE GRAY |
| 02210.30 | LATEX EMULSION PAINT FOR CONCRETE FINISH | TAMMSCOAT | EUCLID CHEMICAL DAVE DILLON 425/338-4958 MASONS SUPPLY 800/537-3407 | 03/13/03 | 2765 | A | |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | ALLIANCE GEOSYNTHETICS BX2020 | ALLIANCE GEOSYNTHETICS 503/261-3515 | 10/03/13 | 4698 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | COMBIGRID 30/30 Q1 151 GRK 3 | NAUE AMERICA 208/661-7899 ADVANCED DRAINAGE 951/805-2079 | 07/14/11 | 4294 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | E'GRID 2020 | HANES GEO COMPONENTS 336/747-1645 | 04/24/13 | 4623 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |

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| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | GEOSTAR GEOBASE GB2020 | GEOSTAR TECHNOLOGIES 901/881-2517 FERGUSON 503/240-6747 | 08/26/13 | 4683 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | GRIDPRO BXP12 | PROPEX OPERATING COMPANY, LLC 423/553-2463 ACF WEST INC. 503/771-5115 | 07/20/12 | 4507 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | SECUGRID 20/20 Q1 | NAUE AMERICA 208/661-7899 ADVANCED DRAINAGE 951/805-2079 | 01/13/11 | 4295 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | SECUGRID 30/30 Q1 | NAUE AMERICA 208/661-7899 ADVANCED DRAINAGE 951/805-2079 | 01/13/11 | 4296 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | TENSAR BX TYPE 2 | TENSAR INTERNATIONAL CORP. 360/635-8418 ACF WEST 800/878-5115 | 01/13/11 | 4308 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | TENSAR TRIAX TX160 | TENSAR INTERNATIONAL CORP. 360/635-8418 ACF WEST 800/878-5115 | 01/13/11 | 4307 | Q | TRIANGULAR APETURES EXCLUDE TRADITIONAL TESTING. REFER TO SPECS FOR CERT LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | TERRAGRID RX1200 MODEL 32160 & 38092 & 38377 | HANES GEO COMPONENTS 336/747-1645 | 04/24/13 | 4622 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT | TRIGRID EX2030 | ALLIANCE GEOSYNTHETICS 503/261-3515 | 02/10/11 | 4339 | Q | REFER TO THE SPECS FOR THE REQUIREMENTS PERTAINING TO THE CERTIFICATION LEVEL REQUIRED FOR EACH PROJECT. |
| 02320.10 | GEOGRID - TYPE I MSEW | FORTRAC 110 | HUESKER, INC. 800/942-9418 WWW.HUESKERINC.COM STEVE LOTHSPIECH 704/588-5500 EXT 120 | 03/12/09 | 3795 | Q | ULTIMATE TENSILE: 7410 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3710 LB/FT (WSDOT STANDARD PRACTICE T925) |

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| 02320.10 | GEOGRID - TYPE I MSEW | FORTRAC 20 | HUESKER, INC. 800/942-9418 WWW.HUESKERINC.COM STEVE LOTHSPIECH 704/588-5500 EXT 120 | 03/12/09 | 3791 | Q | ULTIMATE TENSILE: 1500 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 713 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | FORTRAC 35 | HUESKER, INC. 800/942-9418 WWW.HUESKERINC.COM STEVE LOTHSPIECH 704/588-5500 EXT 120 | 03/12/09 | 3792 | Q | ULTIMATE TENSILE: 2400 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1200 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | FORTRAC 55 | HUESKER, INC. 800/942-9418 WWW.HUESKERINC.COM STEVE LOTHSPIECH 704/588-5500 EXT 120 | 03/12/09 | 3793 | Q | ULTIMATE TENSILE: 3710 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1860 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | FORTRAC 80 | HUESKER, INC. 800/942-9418 WWW.HUESKERINC.COM STEVE LOTHSPIECH 704/588-5500 EXT 120 | 03/12/09 | 3794 | Q | ULTIMATE TENSILE: 5380 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2690 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | MIRAGRID 03XT - TENCATE | TENCATE (MIRAFI) WWW.TENCATE.COM KELLY LITTLE 706/693-1744 | 05/13/10 | 3744 | Q | ULTIMATE TENSILE: 3500 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1660 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | MIRAGRID 05XT - TENCATE | TENCATE (MIRAFI) WWW.TENCATE.COM KELLY LITTLE 706/693-1744 | 05/13/10 | 3745 | Q | ULTIMATE TENSILE: 4700 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2230 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | MIRAGRID 07XT - TENCATE | TENCATE (MIRAFI) WWW.TENCATE.COM KELLY LITTLE 706/693-1744 | 05/13/10 | 3746 | Q | ULTIMATE TENSILE: 5900 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2790 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | MIRAGRID 08XT - TENCATE | TENCATE (MIRAFI) WWW.TENCATE.COM KELLY LITTLE 706/693-1744 | 05/13/10 | 3747 | Q | ULTIMATE TENSILE: 7400 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3510 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | MIRAGRID 10XT - TENCATE | TENCATE (MIRAFI) WWW.TENCATE.COM KELLY LITTLE 706/693-1744 | 05/13/10 | 3748 | Q | ULTIMATE TENSILE: 9500 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 4500 LB/FT (WSDOT STANDARD PRACTICE T925) |

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| 02320.10 | GEOGRID - TYPE I MSEW | MIRAGRID 20XT - TENCATE | TENCATE (MIRAFI) WWW.TENCATE.COM KELLY LITTLE 706/693-1744 | 05/13/10 | 3750 | Q | ULTIMATE TENSILE: 13705 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 6490 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | MIRAGRID 22XT - TENCATE | TENCATE (MIRAFI) WWW.TENCATE.COM KELLY LITTLE 706/693-1744 | 05/13/10 | 3751 | Q | ULTIMATE TENSILE: 20559 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 9740 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | MIRAGRID 24XT - TENCATE | TENCATE (MIRAFI) WWW.TENCATE.COM KELLY LITTLE 706/693-1744 | 05/13/10 | 3752 | Q | ULTIMATE TENSILE: 27415 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 13000 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 100/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4391 | Q | ULTIMATE TENSILE: 6849 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3446 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 110/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4392 | Q | ULTIMATE TENSILE: 7534 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3790 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 125/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4393 | Q | ULTIMATE TENSILE: 8562 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 4307 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 150/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4394 | Q | ULTIMATE TENSILE: 10274 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 5169 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 175/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4395 | Q | ULTIMATE TENSILE: 11986 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 6030 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 180/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4396 | Q | ULTIMATE TENSILE: 12329 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 6203 LB/FT (WSDOT STANDARD PRACTICE T925) |

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| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 200/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4397 | Q | ULTIMATE TENSILE: 13699 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 6892 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 30/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4383 | Q | ULTIMATE TENSILE: 2055 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1034 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 40/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4384 | Q | ULTIMATE TENSILE: 2740 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1378 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 50/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4385 | Q | ULTIMATE TENSILE: 3425 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1723 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 60/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4386 | Q | ULTIMATE TENSILE: 4110 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2068 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 65/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4387 | Q | ULTIMATE TENSILE: 4552 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2240 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 70/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4388 | Q | ULTIMATE TENSILE: 4795 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2412 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 80/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4389 | Q | ULTIMATE TENSILE: 5479 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2756 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | PARAGRID 90/05 | LINEAR COMPOSITES - MACCAFERRI BEN BOADO 301/223-6910 WWW.LINEARCOMPOSITES.COM | 05/12/11 | 4390 | Q | ULTIMATE TENSILE: 6164 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3101 LB/FT (WSDOT STANDARD PRACTICE T925) |

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 JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|-----------------------|---------------------|-------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------------------------|
| 02320.10 | GEOGRID - TYPE I MSEW | RAUGRID 11X3N | LUCKENHAUS TECHNICAL TEXTILES PENNY CAMPBELL 866/513-6275 | 05/13/10 | 4152 | Q | ULTIMATE TENSILE: 7535 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3399 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | RAUGRID 13X3N | LUCKENHAUS TECHNICAL TEXTILES PENNY CAMPBELL 866/513-6275 | 05/13/10 | 4153 | Q | ULTIMATE TENSILE: 8905 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 4018 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | RAUGRID 15X3N | LUCKENHAUS TECHNICAL TEXTILES PENNY CAMPBELL 866/513-6275 | 05/13/10 | 4154 | Q | ULTIMATE TENSILE: 10275 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 4636 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | RAUGRID 3X3N | LUCKENHAUS TECHNICAL TEXTILES PENNY CAMPBELL 866/513-6275 | 05/13/10 | 4147 | Q | ULTIMATE TENSILE: 2055 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 927 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | RAUGRID 4X2N | LUCKENHAUS TECHNICAL TEXTILES PENNY CAMPBELL 866/513-6275 | 05/13/10 | 4148 | Q | ULTIMATE TENSILE: 2740 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1236 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | RAUGRID 5X2N | LUCKENHAUS TECHNICAL TEXTILES PENNY CAMPBELL 866/513-6275 | 05/13/10 | 4149 | Q | ULTIMATE TENSILE: 3425 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1545 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | RAUGRID 6X3N | LUCKENHAUS TECHNICAL TEXTILES PENNY CAMPBELL 866/513-6275 | 05/13/10 | 4150 | Q | ULTIMATE TENSILE: 4110 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1854 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | RAUGRID 8X3N | LUCKENHAUS TECHNICAL TEXTILES PENNY CAMPBELL 866/513-6275 | 05/13/10 | 4151 | Q | ULTIMATE TENSILE: 5480 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2472 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SF020 | SYNTEEN TECHNICAL FABRICS WWW.SYNTEEN.COM DAN WINKLE 303/522-7830 | 05/13/10 | 4144 | Q | ULTIMATE TENSILE: 1939 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 800 LB/FT (WSDOT STANDARD PRACTICE T925) |

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|------------------------|-----------------------|---------------------|-------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------|
| 02320.10 | GEOGRID - TYPE I MSEW | SF035 | SYNTEEN TECHNICAL FABRICS WWW.SYNTEEN.COM DAN WINKLE 303/522-7830 | 01/08/09 | 3781 | Q | ULTIMATE TENSILE: 3055 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1260 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SF055 | SYNTEEN TECHNICAL FABRICS WWW.SYNTEEN.COM DAN WINKLE 303/522-7830 | 01/08/09 | 3782 | Q | ULTIMATE TENSILE: 4199 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1732 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SF080 | SYNTEEN TECHNICAL FABRICS WWW.SYNTEEN.COM DAN WINKLE 303/522-7830 | 01/08/09 | 3783 | Q | ULTIMATE TENSILE: 7398 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3052 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SF090 | SYNTEEN TECHNICAL FABRICS WWW.SYNTEEN.COM DAN WINKLE 303/522-7830 | 05/13/10 | 4145 | Q | ULTIMATE TENSILE: 8500 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3507 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SF110 | SYNTEEN TECHNICAL FABRICS WWW.SYNTEEN.COM DAN WINKLE 303/522-7830 | 01/08/09 | 3784 | Q | ULTIMATE TENSILE: 10207 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 4211 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SF350 | SYNTEEN TECHNICAL FABRICS WWW.SYNTEEN.COM DAN WINKLE 303/522-7830 | 05/13/10 | 4146 | Q | ULTIMATE TENSILE: 27400 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 11305 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SG150 | STRATA SYSTEMS 800/680-7750 WWW.GEOGRID.COM | 05/12/11 | 4376 | Q | ULTIMATE TENSILE: 1875 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 874 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SG200 | STRATA SYSTEMS 800/680-7750 WWW.GEOGRID.COM | 05/12/11 | 4377 | Q | ULTIMATE TENSILE: 3600 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1678 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SG350 | STRATA SYSTEMS 800/680-7750 WWW.GEOGRID.COM | 05/12/11 | 4378 | Q | ULTIMATE TENSILE: 5000 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2331 LB/FT (WSDOT STANDARD PRACTICE T925) |

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|------------------------|-----------------------|---------------------|----------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------------------------|
| 02320.10 | GEOGRID - TYPE I MSEW | SG500 | STRATA SYSTEMS 800/680-7750 WWW.GEOGRID.COM | 05/12/11 | 4379 | Q | ULTIMATE TENSILE: 6400 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2984 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SG550 | STRATA SYSTEMS 800/680-7750 WWW.GEOGRID.COM | 05/12/11 | 4380 | Q | ULTIMATE TENSILE: 8150 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3800 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SG600 | STRATA SYSTEMS 800/680-7750 WWW.GEOGRID.COM | 05/12/11 | 4381 | Q | ULTIMATE TENSILE: 9100 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 4242 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | SG700 | STRATA SYSTEMS 800/680-7750 WWW.GEOGRID.COM | 05/12/11 | 4382 | Q | ULTIMATE TENSILE: 11800 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 5501 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | UX01400HS | TENSAR EARTH TECH 800/292-4459 WWW.TENSARCORP.COM WILLIE LIEW 707/344-2090 | 05/13/10 | 3757 | Q | ULTIMATE TENSILE: 4800 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1504 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | UX01400MSE | TENSAR EARTH TECH 800/292-4459 WWW.TENSARCORP.COM WILLIE LIEW 707/344-2090 | 01/08/09 | 3762 | Q | ULTIMATE TENSILE: 4800 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 1504 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | UX01500HS | TENSAR EARTH TECH 800/292-4459 WWW.TENSARCORP.COM WILLIE LIEW 707/344-2090 | 05/13/10 | 3758 | Q | ULTIMATE TENSILE: 7810 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2492 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | UX01500MSE | TENSAR EARTH TECH 800/292-4459 WWW.TENSARCORP.COM WILLIE LIEW 707/344-2090 | 01/08/09 | 3763 | Q | ULTIMATE TENSILE: 7810 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 2492 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | UX01600HS | TENSAR EARTH TECH 800/292-4459 WWW.TENSARCORP.COM WILLIE LIEW 707/344-2090 | 05/13/10 | 3759 | Q | ULTIMATE TENSILE: 9870 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3149 LB/FT (WSDOT STANDARD PRACTICE T925) |

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|------------------------|---------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------------------------------|
| 02320.10 | GEOGRID - TYPE I MSEW | UX01600MSE | TENSAR EARTH TECH 800/292-4459 WWW.TENSARCORP.COM WILLIE LIEW 707/344-2090 | 01/08/09 | 3764 | Q | ULTIMATE TENSILE: 9870 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3149 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | UX01700HS | TENSAR EARTH TECH 800/292-4459 WWW.TENSARCORP.COM WILLIE LIEW 707/344-2090 | 05/13/10 | 3760 | Q | ULTIMATE TENSILE: 11990 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3768 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02320.10 | GEOGRID - TYPE I MSEW | UX01700MSE | TENSAR EARTH TECH 800/292-4459 WWW.TENSARCORP.COM WILLIE LIEW 707/344-2090 | 01/08/09 | 3765 | Q | ULTIMATE TENSILE: 11990 LB/FT (PER ASTM D6637) LONG-TERM TENSILE: 3768 LB/FT (WSDOT STANDARD PRACTICE T925) |
| 02415.10 | POLY DRAIN PIPE 4" - 10" | EAGLE CORR PE (DUAL WALL) | JM EAGLE 310/693-8200 EXT 7958 | 06/10/10 | 4136 | A | |
| 02415.10 | POLY DRAIN PIPE 4"-10" | ADS N-12 PERFORATED PIPE SINGLE & DUAL WALL | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDANIER 360/798-3731 | 12/02/16 | 5011 | A | |
| 02415.10 | POLY NWT PIPE - CULVERT CORRUGATED HDPE NWT = NON WATER-TIGHT | 12" OREGON PLASTIC - HD PLAIN TYPE S PLAIN ENDS | OREGON PLASTIC TUBING 503/651-3151 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3506 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - CULVERT CORRUGATED HDPE NWT = NON WATER-TIGHT | 12" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 08/14/08 | 3506 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - CULVERT CORRUGATED HDPE NWT = NON WATER-TIGHT | 15" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 03/12/09 | 3717 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - CULVERT CORRUGATED HDPE NWT = NON WATER-TIGHT | 18" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3508 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |

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|------------------------|------------------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------|
| 02415.10 | POLY NWT PIPE - CULVERT CORRUGATED HDPE NWT = NON WATER-TIGHT | 24" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3510 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - CULVERT CORRUGATED HDPE NWT = NON WATER-TIGHT | 30" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3512 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - CULVERT CORRUGATED HDPE NWT = NON WATER-TIGHT | 36" PACIFIC CORRUGATED - PLAIN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 05/08/08 | 3625 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - CULVERT CORRUGATED HDPE NWT = NON WATER-TIGHT | ADS SERIES N-12 ST IB | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDANIER 360/798-3731 | 11/13/08 | 3435 | A | 12" TO 60" DIAMETERS. |
| 02415.10 | POLY NWT PIPE - CULVERT CORRUGATED HDPE NWT = NON WATER-TIGHT | HANCOR SURELOK F-477 | HANCOR, 888/367-7473 KELLY KOKESH 425/457-1187 | 11/09/04 | 1890 | A | DIAMETERS: 12" TO 60". |
| 02415.10 | POLY NWT PIPE - STORM CORRUGATED HDPE NWT = NON WATER-TIGHT | 12" OREGON PLASTIC - HD PLAIN TYPE S PLAIN ENDS | OREGON PLASTIC TUBING 503/651-3151 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3506 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - STORM CORRUGATED HDPE NWT = NON WATER-TIGHT | 12" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 08/14/08 | 3506 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - STORM CORRUGATED HDPE NWT = NON WATER-TIGHT | 15" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 03/12/09 | 3717 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - STORM CORRUGATED HDPE NWT = NON WATER-TIGHT | 18" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3508 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |

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|------------------------|----------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------|
| 02415.10 | POLY NWT PIPE - STORM CORRUGATED HDPE NWT = NON WATER-TIGHT | 24" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3510 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - STORM CORRUGATED HDPE NWT = NON WATER-TIGHT | 30" PACIFIC CORRUGATED HD-PLN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3512 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - STORM CORRUGATED HDPE NWT = NON WATER-TIGHT | 36" PACIFIC CORRUGATED - PLAIN TYPE S PLAIN ENDS | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 05/08/08 | 3625 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY NWT PIPE - STORM CORRUGATED HDPE NWT = NON WATER-TIGHT | HANCOR SURELOK F-477 | HANCOR, 888/367-7473 KELLY KOKESH 425/457-1187 | 11/09/04 | 1890 | A | DIAMETERS: 12" TO 60". |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | 12" OREGON PLASTIC - HD B & S TYPE S BELL & SPIGOT | OREGON PLASTIC TUBING 503/651-3151 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3505 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | 12" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 08/14/08 | 3505 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | 15" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 03/12/09 | 3716 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | 18" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3507 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | 24" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3509 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |

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**ODOT CONSTRUCTION / MATERIALS SECTION
QUALIFIED PRODUCTS LIST
APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|---------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------|
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | 30" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3511 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | 36" PACIFIC CORRUGATED - B & S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 05/08/08 | 3624 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | 42" PACIFIC CORRUGATED HD B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 11/12/09 | 3955 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | 48" PACIFIC CORRUGATED HD B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 11/12/09 | 3957 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | ADS N-12 WTIB WAS ADS PRO-LINK ULTRA WT IB | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDANIER 360/798-3731 | 04/09/09 | 2482 | A | DOUBLE WALL, CORRUGATIONS. 12" TO 60" DIAMETERS. HAS REINFORCED BELL. |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | EAGLE CORR PE (DUAL WALL) 12" - 60" | JM EAGLE 310/693-8200 EXT 7958 | 06/10/10 | 4136 | A | APPROVED FOR WATER-TIGHT APPLICATIONS. 12" TO 60" |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | HANCOR BLUESEAL WAS SURE-LOK WT | HANCOR, 888/367-7473 KELLY KOKESH 425/457-1187 | 10/14/10 | 1891 | A | LOOK FOR BLUE WRAP ON SEAL FOR WATERTIGHT VERSION. DIAMETERS: 4" TO 60". |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | ISCO SNAP TITE 10" - 63" | ISCO INDUSTRIES 800/345-4726 | 12/24/12 | 3695 | A | |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | PRINSCO GOLDFLO WT (12"-48") INTEGRAL BELL & SPIGOT | PRINSCO INC 815/635-3131 877/485-3316 | 01/10/08 | 3599 | A | CORRUGATED HDPE |

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QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|---------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------------------------------------------|
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | PRINSCO GOLDFLO WT (60") INTEGRAL BELL & SPIGOT | PRINSCO INC 815/635-3131 877/485-3316 | 04/14/11 | 3599 | A | CORRUGATED HDPE |
| 02415.10 | POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT | WEHOLITE (60") WELDED JOINTS | UPOVOR INFRA LTD 800/668-1892 | 01/10/08 | 2392 | A | EXTRUSION WELDED JOINT BY MFG APPROVED TECHS. WAS KWH PIPE (2014) |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | 12" OREGON PLASTIC - HD B & S TYPE S BELL & SPIGOT | OREGON PLASTIC TUBING 503/651-3151 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3505 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | 12" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 08/14/08 | 3505 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | 15" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 03/12/09 | 3716 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | 18" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3507 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | 24" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3509 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | 30" PACIFIC CORRUGATED HD-B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 09/13/07 | 3511 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | 36" PACIFIC CORRUGATED - B & S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 05/08/08 | 3624 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|----------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------------------------------------|
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | 42" PACIFIC CORRUGATED HD B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 11/12/09 | 3955 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | 48" PACIFIC CORRUGATED HD B&S TYPE S BELL & SPIGOT | PACIFIC CORRUGATED PLASTIC PIPE 503/263-3330 PACIFIC CORRUGATED PIPE CO. 541/461-0990 | 11/12/09 | 3957 | A | DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | ADS N-12 WTIB WAS ADS PRO-LINK ULTRA WT IB | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDANIER 360/798-3731 | 04/09/09 | 2482 | A | DOUBLE WALL, CORRUGATIONS. 12" TO 60" DIAMETERS. HAS REINFORCED BELL. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | EAGLE CORR PE (DUAL WALL) 12" - 60" | JM EAGLE 310/693-8200 EXT 7958 | 06/10/10 | 4136 | A | APPROVED FOR WATER-TIGHT APPLICATIONS. 12" TO 60" |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | HANCOR BLUESEAL WAS SURE-LOK WT | HANCOR, 888/367-7473 KELLY KOKESH 425/457-1187 | 10/14/10 | 1891 | A | LOOK FOR BLUE WRAP ON SEAL FOR WATERTIGHT VERSION. DIAMETERS: 4" TO 60". |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | HANCOR SURELOK WT | HANCOR, 888/367-7473 KELLY KOKESH 425/457-1187 | 11/09/04 | 1891 | A | DIAMETERS: 4" TO 10". BLUE WRAP FOR "WT" VERSION. |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | ISCO SNAP TITE 10" - 63" | ISCO INDUSTRIES 800/345-4726 | 12/24/12 | 3695 | A | |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | PRINSCO GOLDFLO WT (12"-48") INTEGRAL BELL & SPIGOT | PRINSCO INC 815/635-3131 877/485-3316 | 01/10/08 | 3599 | A | CORRUGATED HDPE |
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | PRINSCO GOLDFLO WT (60") INTEGRAL BELL & SPIGOT | PRINSCO INC 815/635-3131 877/485-3316 | 04/14/11 | 3599 | A | CORRUGATED HDPE |

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JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|---------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------------------------------------------------------------------------------------------|
| 02415.10 | POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT | WEHOLITE (60") WELDED JOINTS | UPOVOR INFRA LTD 800/668-1892 | 01/10/08 | 2392 | A | EXTRUSION WELDED JOINT BY MFG APPROVED TECHS. WAS KWH PIPE (2014) |
| 02415.30 | POLY WT PIPE - CULVERT STEEL REINFORCED HDPE WT = WATER-TIGHT | DUROMAXX WITH HP JOINTS 30" - 72" | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 08/12/10 | 3993 | A | |
| 02415.30 | POLY WT PIPE - STORM STEEL REINFORCED HDPE WT = WATER-TIGHT | DUROMAXX WITH HP JOINTS 30" - 72" | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 08/12/10 | 3993 | A | |
| 02415.40 | POLYPROPYLENE, CORRUGATED CULVERT | ADS HP STORM 36"-60" (DUAL WALL) | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDANIER 360/798-3731 | 12/24/12 | 4559 | A | CHECK SPECIFICATIONS TO SEE IF ALLOWED BY PIPE INSIDE DIAMETER DON'T HANDLE IN TEMPS BELOW 0 DEGREES F. |
| 02415.40 | POLYPROPYLENE, CORRUGATED CULVERT | ADS SANITITE HP TW 30" - 60" (TRIPLE WALL) | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDINIER 360-798-3731 800-733-8523 | 04/14/11 | 4558 | A | DON'T HANDLE IN TEMPS BELOW 0 DEGREES F. |
| 02415.40 | POLYPROPYLENE, CORRUGATED SANITARY | ADS SANITITE HP DW (DUAL WALL) 12" - 30" (DUAL WALL) | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDINIER 360-798-3731 800-733-8523 | 04/14/11 | 4167 | A | DON'T HANDLE IN TEMPS BELOW 0 DEGREES F. |
| 02415.40 | POLYPROPYLENE, CORRUGATED SANITARY | ADS SANITITE HP TW 30" - 60" (TRIPLE WALL) | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDINIER 360-798-3731 800-733-8523 | 04/14/11 | 4168 | A | DON'T HANDLE IN TEMPS BELOW 0 DEGREES F. |
| 02415.40 | POLYPROPYLENE, CORRUGATED STORM | ADS HP STORM 36"-60" (DUAL WALL) | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDANIER 360/798-3731 | 12/24/12 | 4559 | A | CHECK SPECIFICATIONS TO SEE IF ALLOWED BY PIPE INSIDE DIAMETER DON'T HANDLE IN TEMPS BELOW 0 DEGREES F. |
| 02415.40 | POLYPROPYLENE, CORRUGATED STORM | ADS HP STORM 12" - 30" (DUAL WALL) | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDINIER 360-798-3731 800-733-8523 | 04/14/11 | 4559 | A | DON'T HANDLE IN TEMPS BELOW 0 DEGREES F. |

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 JANUARY 2017 (AMENDED 2/24/2017)**

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|------------------------|----------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|----------------------------------------------------------|
| 02415.40 | POLYPROPYLENE, CORRUGATED STORM | ADS SANITITE HP TW 30" -60" (TRIPLE WALL) | ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDINIER 360-798-3731 800-733-8523 | 04/14/11 | 4558 | A | DON'T HANDLE IN TEMPS BELOW 0 DEGREES F. NOW 4558 |
| 02415.50 | PVC DRAIN PIPE - PERF PERFORATED | A-2000 | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 05/10/07 | 488 | A | |
| 02415.50 | PVC DRAIN PIPE - PERF PERFORATED | IPEX PVC DRAIN PIPE 3" AND 6" | IPEX, INC. 800/663-5864 SCOTT HENRICH 925/389-4323 | 03/08/07 | 3433 | A | |
| 02415.50 | PVC DRAIN PIPE - SOLID SOLID | A-2000 | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 05/01/07 | 488 | A | |
| 02415.50 | PVC DRAIN PIPE - SOLID SOLID | IPEX PVC DRAIN PIPE 3" AND 6" | IPEX, INC. 800/663-5864 SCOTT HENRICH 925/389-4323 | 03/08/07 | 3433 | A | |
| 02415.50 | PVC PIPE - IRRIGATION | A-2000 | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 05/10/07 | 488 | A | |
| 02415.50 | PVC PIPE - IRRIGATION | IPEX BLUE BRUTE C900 4" TO 12" | IPEX, INC. 800/663-5864 SCOTT HENRICH 925/389-4323 | 03/08/07 | 2184 | A | |
| 02415.50 | PVC PIPE - SANITARY | A-2000 | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 05/10/07 | 488 | A | 36"-120" FILL, NON-INTERSTATE 12-18" DIA. REVIEW W/LOCAL |
| 02415.50 | PVC PIPE - SANITARY | IPEX PVC ULTRA RIB PIPE 8" TO 24" | IPEX, INC. 800/663-5864 SCOTT HENRICH 925/389-4323 | 03/08/07 | 1508 | A | |

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JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| 02415.50 | PVC PIPE - SANITARY | IPEX RING-TITE GASKETED 4" TO 42" | IPEX, INC. 800/663-5864 SCOTT HENRICH 925/389-4323 | 03/08/07 | 2186 | A | |
| 02415.50 | PVC WT PIPE - CULVERT WT = WATER-TIGHT | A-2000 | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 05/10/07 | 488 | A | |
| 02415.50 | PVC WT PIPE - CULVERT WT = WATER-TIGHT | IPEX PVC ULTRA RIB PIPE 8" TO 24" | IPEX, INC. 800/663-5864 SCOTT HENRICH 925/389-4323 | 03/08/07 | 1508 | A | |
| 02415.50 | PVC WT PIPE - STORM WT = WATER-TIGHT | A-2000 | CONTECH CONSTRUCTION PRODUCTS 800/522-0410 | 05/10/07 | 488 | A | |
| 02415.50 | PVC WT PIPE - STORM WT = WATER-TIGHT | IPEX PVC ULTRA RIB PIPE 8" TO 24" | IPEX, INC. 800/663-5864 SCOTT HENRICH 925/389-4323 | 03/08/07 | 1508 | A | |
| 02415.50 | PVC WT PIPE - STORM WT = WATER-TIGHT | IPEX RING-TITE GASKETED 4" TO 42" | IPEX, INC. 800/663-5864 SCOTT HENRICH 925/389-4323 | 03/08/07 | 2186 | A | |
| 02420.20 | POLYMERIC COATING FOR CORRUGATED STEEL AND SPIRAL RIB PIPE | TRENCHCOAT WAS DOW | VALFILM USA 989/859-9966 PACIFIC CORRUGATED PIPE LARRY WOOD 800/528-8815 | 03/14/02 | 2191 | A | 10 MILS POLYMERIC COATING REQUIRED ON BOTH SIDES OF PIPE TO GET 50 YEARS ADDITIONAL SERVICE LIFE. 12 GA & THINNER. |
| 02420.20 | POLYMERIC COATING FOR CORRUGATED STEEL PIPE | TRISHIELD STEEL RIBBED POLYETHYLENE | PACIFIC CORRUGATED PIPE LARRY WOOD 800/528-8815 | 08/14/97 | 1647 | A | POLYMERIC PRECOATED, POLYETHYLENE LINED GALV STEEL. APPROVED BY ODOT FOR 50 YEARS ADDITIONAL SERVICE LIFE. |
| 02440.10 | EXPANSION JOINT SYSTEM, PREFORMED | FIBERFLEX EXPANSION JOINT/FORMFLEX | STEICO SE 410/725-9334 | 04/11/14 | 4760 | A | NON STRUCURAL APPLICATIONS |

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|------------------------|--------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------------------------------------------------------------------|
| 02440.10 | PREFORMED JOINT FILLER FOR CONCRETE | HOMEX 300 | HOMASOTE COMPANY 800/257-9491 | 04/21/89 | 428 | A | PREMOLDED WOOD FIBER STRIP FOR CONCRETE AND MASONRY JOINTS. |
| 02440.10 | PREFORMED JOINT FILLER FOR CONCRETE | NOMAFLEX | NOMACO 252/969-2970 ATLAS SUPPLY 800/806-7952 | 12/14/15 | 4935 | A | POLYPROPYLENE CLOSED CELL |
| 02440.10 | PREFORMED JOINT FILLER FOR CONCRETE | REFLEX RUBBER EXPANSION JOINT | JD RUSSELL CO. 520/742-6194 MASONS SUPPLY 800/537-3407 | 12/14/00 | 2293 | A | PREFORMED EXPANSION JOINT FILLER MATERIAL. LOW TO NO MOVEMENT APPLICATIONS. |
| 02440.10 | PREFORMED JOINT FILLER FOR CONCRETE | RIGHT JOINT EXPANSION JOINT | RIGHT POINTE CO. 888/755-5700 815/754-5700 JIM SULLIVAN 206/484-8236 | 02/10/05 | 3050 | A | CELLULOSE LONG STRAND FIBERS IN AN ASPHALTIC BINDER. |
| 02440.10 | PREFORMED JOINT FILLER FOR CONCRETE | SEALTIGHT FIBRE EXPANSION JOIN | W.R. MEADOWS 800/342-5976 CST-CONCRETE SPEC 541/567-8810 MASONS SUPPLY 800/537-3407 WESTSIDE CONCRETE 503/591-0203 | 01/09/03 | 2412 | A | CELLULAR FIBERS BONDED TOGETHE TOGETHER & SATURATED W/ASPHALT |
| 02440.11 | POURED JOINT SEALANT 2 PART SILICONE | DOW 902 RCS | DOW CORNING 866/768-8768 JASON SIKA 303/980-1780 ATLAS SUPPLY 800/806-7952 | #Error | 754 | A | |
| 02440.11 | POURED JOINT SEALANT 2 PART SILICONE | SIKASIL728 RCS WAS BONDAFLEX SIL728 RCS | SIKA CORP 800/933-7452 MASON SUPPLY 800/537-3407 ATLAS SUPPLY 800/806-7952 | 07/08/10 | 3163 | Q | SELF LEVELING. DESIGN AND PROPER INSTALLATION IMPORTANT! |
| 02440.11 | POURED JOINT SEALANT 2 PART SILICONE | WABO 2-PART SELF-LEVL SILICONE NOW: WABOSILICONE SEAL (7-02) | WATSON BOWMAN ACME 800/677-4922 | 10/14/04 | 1771 | Q | CAUTION SHOULD BE USED WHEN USING. DO NOT TOUCH WITH BARE HANDS. 4 HOUR CURE TIME. WILL NOT BOND TO ASPHALT. |
| 02440.14 | BACKER ROD | CERA-ROD | W.R. MEADOWS 800/342-5976 CST-CONCRETE SPEC 541/567-8810 MASONS SUPPLY 800/537-3407 WESTSIDE CONCRETE 503/591-0203 | 05/01/88 | 74 | A | ASTM D5249 TYPE 1/3 |

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|------------------------|-----------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|------------------------|
| 02440.14 | BACKER ROD | HBR | CONSTRUCTION FOAM PRODUCTS LISA JARVIS 919/380-6640 (CFM A DIV OF NOMACO) | 07/14/11 | 820 | A | ASTM D5249 TYPE 3 |
| 02440.14 | BACKER ROD | HBR-XL | CONSTRUCTION FOAM PRODUCTS LISA JARVIS 919/380-6640 (CFM A DIV OF NOMACO) | 07/14/11 | 366 | A | ASTM D5249 TYPE 1/3 |
| 02440.14 | BACKER ROD | HOT-ROD XL | INDUSTRIAL THERMO POLYMERS LTD 800/387-3847 (CANADA) WHITE CAP 503/287-4151 VEN: ATLAS SUPPLY 800/806-7952 | 10/04/90 | 367 | A | ASTM D5249 TYPE 1/3 |
| 02440.14 | BACKER ROD | ITP BACKER ROD | INDUSTRIAL THERMO POLYMERS LTD 800/387-3847 (CANADA) WHITE CAP 503/287-4151 VEN: ATLAS SUPPLY 800/806-7952 | 03/14/91 | 665 | A | ASTM D5249 TYPE 3 |
| 02440.30 | POURED JOINT FILLER HOT POURED | #3405 REGULAR - OR | RIGHT POINTE CO. 888/755-5700 815/754-5700 JIM SULLIVAN 206/484-8236 | 08/14/08 | 3672 | A | |
| 02440.30 | POURED JOINT FILLER HOT POURED | BERAM 195 | MCASPHALT INDUSTRIES 800/268-4238 PHOENIX ASPHALT 503/289-6696 | 11/08/07 | 3538 | A | |
| 02440.30 | POURED JOINT FILLER HOT POURED | CRAFCO ROADSAVER 201 PART #34201 | CRAFCO INC. 800/528-8242 GREG SHARP 971/645-1826 | 12/09/04 | 476 | A | |
| 02440.30 | POURED JOINT FILLER HOT POURED | CRAFCO ROADSAVER 221 PART #34221 | CRAFCO INC. 800/528-8242 GREG SHARP 971/645-1826 | 12/09/04 | 2099 | A | |
| 02440.30 | POURED JOINT FILLER HOT POURED | DEERY 102 (PART# 80102) | CRAFCO 800/528-8242 WALLY SMITH 970/260-2596 PMSI 503/284-4330 | 04/14/11 | 3067 | A | ASPHALTIC |

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|------------------------|-----------------------------------|----------------------------------------------|----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|-------------------------------|
| 02440.30 | POURED JOINT FILLER HOT POURED | DEERY 102GL (PART# 80102GL) | CRAFCO 800/528-8242 WALLY SMITH 970/260-2596 PMSI 503/284-4330 | 04/14/11 | 3330 | A | ASPHALTIC |
| 02440.30 | POURED JOINT FILLER HOT POURED | ELASTOFLEX 500 | MAXWELL PRODUCTS 801/972-2090 | 10/14/04 | 2823 | A | ASPHALTIC |
| 02440.30 | POURED JOINT FILLER HOT POURED | ELASTOFLEX 61 | MAXWELL PRODUCTS 801/972-2090 | 10/14/04 | 1010 | A | ASPHALTIC |
| 02440.30 | POURED JOINT FILLER HOT POURED | ELASTOFLEX 62 | MAXWELL PRODUCTS 801/972-2090 | 10/14/04 | 1011 | A | ASPHALTIC |
| 02440.30 | POURED JOINT FILLER HOT POURED | NUVO 3405 | MAXWELL PRODUCTS 801/972-2090 | 07/09/09 | 3870 | A | |
| 02440.30 | POURED JOINT FILLER HOT POURED | ROADSEAL 10312 | ROADSEAL CANADA 604/451-0721 778/881-6984 | 01/14/10 | 4084 | A | |
| 02440.30 | POURED JOINT FILLER HOT POURED | SA 102 | MAXWELL PRODUCTS 801/972-2090 SPECIAL ASPHALR PRODUCTS GARY COOK 503/295-6490 | 04/24/13 | 4609 | A | ASPHALTIC |
| 02440.40 | RUBBER GASKETS BUTYL | BUTYL-NEK PREFORMED PLASTIC JOINT SEALANT | HENRY SEALANTS 800/231-4549 | 03/10/05 | 2789 | A | PIPES, CULVERTS, OR MANHOLES. |
| 02440.40 | RUBBER GASKETS BUTYL | RAM-NEK FLEXIBLE PLASTIC GASKET | HENRY SEALANTS 800/231-4549 | 03/10/05 | 2790 | A | PIPES, CULVERTS, OR MANHOLES. |

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| 02440.40 | RUBBER GASKETS MANHOLES | BEST SEAL C-56 | BEST FITT GASKET CO. TARI KNOTT 253/863-9521 | 05/09/02 | 2457 | A | MFG PROVIDED EVIDENCE THAT THIS PRODUCT MEETS AASHTO M198 |
| 02450.30 | MANHOLE STEPS | AMERICAN MANHOLE STEP ML-10 | AMERICAN STEP COMPANY 770/467-9844 | 01/09/97 | 1610 | A | CO-POLYMER POLYPROPYLENE. USE WHERE 10" STEPS ARE ALLOWED 10" BETWEEN BARS. EXTENDS OUT 5.7". |
| 02450.30 | MANHOLE STEPS | AMERICAN MANHOLE STEP ML-13 | AMERICAN STEP COMPANY 770/467-9844 | 01/09/97 | 1608 | A | CO-POLYMER POLYPROPYLENE. INTERIOR BARS ARE EPOXY COATED 13" BETWEEN BARS. EXTENDS OUT 6". |
| 02450.30 | MANHOLE STEPS | AMERICAN MANHOLE STEP SML-13 | AMERICAN STEP COMPANY 770/467-9844 | 01/09/97 | 1609 | A | CO-POLYMER POLYPROPYLENE. INTERIOR BARS ARE EPOXY COATED 13" BETWEEN BARS. EXTENDS OUT 5.1". |
| 02450.30 | MANHOLE STEPS | AMERICAN STEP # ML-10 (STD) | AMERICAN STEP COMPANY 800/988-7837 | 04/14/05 | 1870 | A | |
| 02450.30 | MANHOLE STEPS | AMERICAN STEP # ML-13 (STD) | AMERICAN STEP COMPANY 800/988-7837 | 04/14/05 | 1871 | A | |
| 02450.30 | MANHOLE STEPS | AMERICAN STEP # SML-13 (STD) | AMERICAN STEP COMPANY 800/988-7837 | 04/14/05 | 1872 | A | |
| 02450.30 | MANHOLE STEPS | BOWCO 93813R | BOWCO INDUSTRIES 503/266-9405 | 09/13/07 | 3518 | A | |
| 02450.30 | MANHOLE STEPS | LANE POLYPROPYLENE #P - 14850 | LANE INTERNATIONAL CORP 503/692-9860 800/666-0076 | 07/23/12 | 4508 | A | Replaces Model #13938 |

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| 02450.30 | MANHOLE STEPS | LANE POLYPROPYLENE #P - 14938 | LANE INTERNATIONAL CORP 503/692-9860 800/666-0076 | 07/23/12 | 4509 | A | Replaces Model #13938 |
| 02450.30 | MANHOLE STEPS | MA MANHOLE STEPS PS2-PF | MA INDUSTRIES 800/241-8250 PIPE INC 503/285-8391 | 04/11/02 | 72 | A | |
| 02510.11 | COATING FOR REBAR EPOXY | GREENBAR #720A009 | VALSPAR 816/421-7400 GARY SCHIMMEL WAS LILLY CORPORATION PRIOR TO 2/2001. | 10/14/93 | 779 | A | EPOXY POWDER COATING THAT IS FUSION BONDED TO REBAR FOR AN IMPERMEABLE COATING. RECOMMEND PIPE CLAD PATCH PATCHING MATL. |
| 02510.11 | COATING FOR REBAR EPOXY | NAP-GARD 7-2719 | AXALTA COATING SYSTEMS ROB PHILLIPPI 513/520-2657 | 06/14/01 | 2359 | A | MEETS AASHTO M 284, PER VALLEY FORGE TESTING. MFG RECOMMENDED PATCH IS NAPGARD 7-1870. WAS DUPONT |
| 02510.11 | COATING FOR REBAR EPOXY | NAP-GARD 7-2750 | AXALTA COATING SYSTEMS ROB PHILLIPPI 513/520-2657 | 01/28/13 | 4596 | A | PATCH IS NAPGARD 7-1868 WAS DUPONT |
| 02510.11 | COATING FOR REBAR EPOXY | POWDAX E90 | SEIBERT POWDER COATINGS 216/631-2002 | 05/11/95 | 1161 | A | PATCH MATERIAL: TRU-GLAZE 4 EPOXY, CATALOG #12402 BY DEVOE & REYNOLDS CO. AASHTO M284 TEST PERFORMED BY VALLEY FORGE |
| 02510.11 | COATING FOR REBAR EPOXY | RESICOAT RB-600 | AKZO POWDER COATINGS FRITZ HERRMANN 615/995-5576 | 07/10/08 | 3586 | A | MFG SUBMITTED INDEPENDENT TEST FOR AASHTO M-284. RECOMMENDED PATCH IS DENSO PROTAL 7200. |
| 02510.11 | COATING FOR REBAR EPOXY | SCOTCHKOTE 215 | 3-M COMPANY (CORROSION) RJ LABRADOR 512/984-3525 | 12/12/91 | 635 | A | DRY POWDER. PASSES AASHTO M284 PER RESULTS FROM VALLEY FORGE. MFG RECOM PATCHING MATERIAL IS 3M SCOTCHKOTE 413/215PC. |
| 02510.11 | COATING FOR REBAR EPOXY | SCOTCHKOTE 413 | 3-M COMPANY (CORROSION) RJ LABRADOR 512/984-3525 | 02/11/93 | 978 | A | TEST RESULTS FROM VALLEY FORGE SHOWS COMPLIANCE WITH M 284. RECOMMENDED PATCHING MATERIAL IS 3M SCOTCHKOTE 413/215PC. |

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| 02510.11 | COATING FOR REBAR SPLICES | 3-M ITCSN HEAT SHRINK SLEEVES | 3-M COMPANY 800/545-3573 WALT DAVIS 503/984-7564 PLATT ELECTRIC 503/581-7012 | 01/11/96 | 1375 | A | THIS APPEARS TO WORK BETTER THAN FIELD APPLIED PATCHES. |
| 02510.11 | COATING FOR REBAR SPLICES | SPICESEAL (HEAT SHRINK) | RJD INDUSTRIES, INC. 800/344-4753 WESTERN COATINGS, INC. 206/735-1070 | 04/10/97 | 953 | A | THIS APPEARS TO WORK BETTER THAN FIELD APPLIED PATCHES. HEAT SHRINK TUBING |
| 02510.25 | HEADED BAR REINFORCEMENT | LENTON TERMINATOR D6 SERIES | ERICO PRODUCTS INC. 440-248-0100 | 01/21/14 | 3805 | Q | #4 - #18 THREADED |
| 02530.71 | GALVANIZING, REPAIR HOT-DIP | 7000 SYSTEM COLD GALVANIZING COMPOUND | RUST-OLEUM CORPORATION 877/385-8155 FASTENAL 920/737-4771 | 08/29/16 | 4985 | A | BRUSH OR SPRAY APPLICATION 3 MIL DRY FILM THICKNESS MINIMUM |
| 02530.71 | GALVANIZING, REPAIR HOT-DIP | DEVCON Z | ITW DEVCON 978/777-1100 | 01/21/14 | 4743 | A | BRUSH OR SPRAY APPLICATION 3 MIL DRY FILM THICKNESS MINIMUM |
| 02530.71 | GALVANIZING, REPAIR HOT-DIP | ROVAL COLD GALVANIZING COMPOUND HIGH-BUILD TYPE | ROVAL USA, INC 971/237-0958 | 01/08/15 | 4862 | A | BRUSH OR SPRAY APPLICATION 3 MIL DRY FILM THICKNESS MINIMUM |
| 02530.71 | GALVANIZING, REPAIR HOT-DIP | Z.R.C | ZRC WORLDWIDE 800/831-3275 | 01/21/14 | 4742 | A | BRUSH OR SPRAY APPLICATION 3 MIL DRY FILM THICKNESS MINIMUM |
| 02530.71 | GALVANIZING, REPAIR HOT-DIP | ZINGA | CARWELL 800/856-6798 | 01/21/14 | 4744 | A | BRUSH OR SPRAY APPLICATION 3 MIL DRY FILM THICKNESS MINIMUM |
| 02560.70 | LUBRICANTS BLACK FASTENERS | MARVEL MYSTERY OIL | TURTLE WAX 800/887-8539 | 01/31/13 | 4598 | A | BLACK FASTENERS ONLY NOT FOR COATED OR GALVANIZED FASTENERS |

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| 02560.70 | LUBRICANTS BLACK FASTENERS | ZEP 45 | ZEP, INC. 877/428-9937 OR 404/352-1680 | 01/31/13 | 4599 | A | BLACK FASTENERS ONLY NOT FOR COATED OR GALVANIZED FASTENERS |
| 02560.70 | LUBRICANTS FOR GALVANIZED FASTENERS | MACUGUARD TORQUE 'N TENSION MACDERMID | ABCO PRODUCTS OF SACRAMENTO 916/447-9931 OR 916/417-4142 | 06/10/10 | 3814 | A | |
| 02560.70 | LUBRICANTS FOR GALVANIZED FASTENERS | SAFETY FILM 639 | CASTROL INDUSTRIAL 877/641-1600 IDG 503/288-3252 TYRE OIL 541/687-0076 | 12/10/93 | 921 | A | USE AS CORROSION RESIST LUBRI- CANT ON VARIOUS FASTENERS. ALSO, USE AS A RUST PROTECTOR. |
| 02560.70 | LUBRICANTS FOR GALVANIZED FASTENERS | STICK-WAX WAS 140 STICK-WAX | CASTROL INDUSTRIAL 877/641-1600 IDG 503/288-3252 TYRE OIL 541/687-0076 | 09/10/09 | 920 | A | |
| 02560.70 | LUBRICANTS FOR STAINLESS FASTENERS | MOLYKOTE G-N | DOW CORNING 989/496-6000 | 08/23/13 | 4690 | A | STAINLESS STEEL FASTENERS NOT FOR COATED OR GALVANIZED |
| 02910.20 | SIGN SHEETING - TYPE I ASTM D4956 ENCLOSED LENS | AVERY DENNISON T-1500 | AVERY DENNISON 800/327-5917 | 06/12/08 | 2345 | Q | T-1500 WHITE, T-1501 YELLOW T-1504 ORANGE; T-1505 BLUE T-1507 GREEN, T-1508 RED, T-1509 BROWN |
| 02910.20 | SIGN SHEETING - TYPE III ASTM D4956 | NIKKALITE ULTRALITE GRADE II | NIPPON CARBIDE 800/821-4264 GEORGE TAMAYORI 562/777-1810 | 09/10/98 | 1704 | A | ENCAPSULATED LENS. N512 WHITE, N504 YELLOW, N505 RED, N506 BLUE, N507 ORANGE, N509 BROWN. |
| 02910.20 | SIGN SHEETING - TYPE III ASTM D4956 PRISMATIC HIP | 3-M SERIES 3930 (3930,3931,3934,3935,3937) | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 09/28/05 | 2949 | A | WHITE, YELLOW, ORANGE, BLUE, & GREEN. (NO FLUORESCENT ORANGE) |
| 02910.20 | SIGN SHEETING - TYPE IV ASTM D4956 PRISMATIC | AVERY DENNISON T-6500 | AVERY DENNISON 800/327-5917 | 09/08/05 | 1525 | A | WHITE: T6500, YELLOW: T6501, ORANGE: T6504, RED: T6508, GREEN: T6507, BLUE: T6505, BROWN: T6509 |

*LIST 'A' = APPROVED. MAY BE USED WITHOUT SAMPLES, TESTING, OR QUALITY COMPLIANCE CERTIFICATIONS. MAY NEED A FIELD INSPECTION REPORT.

**LIST 'Q' = QUALIFIED. USE WITH SAMPLING, TESTING, &/OR QUALITY COMPLIANCE CERTIFICATIONS AS NEEDED. NEEDS A FIELD INSPECTIONS REPORT. CHECK SPECS AND NFTMAG.
LIST PUBLISHED BY: ODOT MATERIALS LAB; 800 AIRPORT RD SE; SALEM, OR 97301-4798; (503) 986-3059. PLEASE REPORT ANY PROBLEMS USING THESE PRODUCTS.

**ODOT CONSTRUCTION / MATERIALS SECTION
QUALIFIED PRODUCTS LIST
APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|----------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------|-----------------------|-----------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| 02910.20 | SIGN SHEETING - TYPE IV ASTM D4956 PRISMATIC HIP | 3-M SERIES 3930 (3930,3931,3934,3935,3937) | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 09/08/05 | 2949 | A | 3930 WHITE, 3931 YELLOW, 3934 ORANGE, 3935 BLUE, & 3937 GREEN. NO FLORESCENT ORANGE. |
| 02910.20 | SIGN SHEETING - TYPE IX ASTM D4956 PRISMATIC | 3-M SERIES 4000 (DG3) (4090,91,92,95,97,99,81,83) | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 05/13/10 | 3115 | A | OK FOR TYPE IX ONLY. COLORS: WHITE 4090, YELLOW 4091, RED 4092, BLUE 4095, GRN 4097, F-YELLOW 4081, F-YG 4083 |
| 02910.20 | SIGN SHEETING - TYPE IX ASTM D4956 PRISMATIC | AVERY DENNISON T-9500 | AVERY DENNISON 800/327-5917 | 02/11/10 | 3605 | A | T-9500 WHITE, T-9501 YELLOW, T-9505 BLUE, T-9507 GREEN T-9508 RED, T-9513 FL YEL/GRN, T-9511 FY. |
| 02910.20 | SIGN SHEETING - TYPE IX ASTM D4956 PRISMATIC | OMNICUBE T-11500 SERIES ASTM TYPE XI | AVERY DENNISON 240/925-6891 | 01/21/14 | 4502 | A | T-11500 WHITE, T-11501 YELLOW T-11507 GREEN, T-11508 RED T-11505 BLUE, T-11513 FL. YELLOW-GREEN T-11511 FL. YELLOW |
| 02910.20 | SIGN SHEETING - TYPE IX ASTM D4956 PRISMATIC FLUORSECENT ORANGE | OMNICUBE W-11514 FLUO ORANGE ASTM TYPE XI | AVERY DENNISON 240/925-6891 | 01/21/14 | 4501 | A | |
| 02910.20 | SIGN SHEETING - TYPE IX ASTM D4956 PRISMATIC - FLUORESCENT YELLOW | 3-M SERIES 3981 | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 12/12/96 | 2843 | A | |
| 02910.20 | SIGN SHEETING - TYPE IX ASTM D4956 PRISMATIC - FLUORESCENT YELLOW-GREEN | 3-M SERIES 3983 | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 12/12/96 | 1898 | A | |
| 02910.20 | SIGN SHEETING - TYPE IX ASTM D4956 PRISMATIC VIP | 3-M SERIES 3990 (VIP GRADE) (3990,91,92,95,97) | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 11/09/95 | 1328 | A | FOR URBAN STREET LEVEL. WHITE 3990, YELLOW 3991, RED 3992, BLUE 3995, GREEN 3997 |
| 02910.60 | ELECTRONIC CUTTABLE FILM | OL-2000 OVERLAY SERIES | AVERY DENNISON 240/925-6891 | 03/27/13 | 4285 | A | |

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**ODOT CONSTRUCTION / MATERIALS SECTION
QUALIFIED PRODUCTS LIST
APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JANUARY 2017 (AMENDED 2/24/2017)**

| <u>STANDARD SPEC #</u> | <u>CATEGORY</u> | <u>PRODUCT NAME</u> | <u>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</u> | <u>EFFECTIVE DATE</u> | <u>PRODUCT NUMBER</u> | <u>LIST</u> | <u>REMARKS</u> |
|------------------------|---------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------|--------------------------------------------------------------------|
| 02910.60 | ELECTRONIC CUTTABLE FILM ALTERNATIVE FOR SILK SCREENING | 3-M SERIES 1170 | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 09/12/96 | 1414 | A | NEED FOR LEGENDS ON HIGH INTENSITY SHEETING. |
| 02910.70 | ANTI-GRAFFITI COATING FOR SIGNS | 3-M SERIES 1150 OVERLAY FILM FOR EG AND HI | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 05/09/96 | 1413 | A | FOR 3-M SHEETING ONLY. DESIGNED TO ALLOW EASY REMOVAL OF GRAFFITI. |
| 02910.70 | ANTI-GRAFFITI COATING FOR SIGNS | 3-M SERIES 1160 OVERLAY FILM FOR EG, HI, DG3, HIP | 3-M COMPANY TSSD 800/553-1380 SCOTT ELLWOOD 503/309-9160 | 01/10/02 | 2436 | A | FOR 3-M SHEETING ONLY. DESIGNED TO ALLOW EASY REMOVAL OF GRAFFITI. |
| 02910.70 | ANTI-GRAFFITI COATING FOR SIGNS | AVERY OL-1000 CLEAR FOR AVERY SIGNS | AVERY DENNISON 800/327-5917 | 12/10/09 | 3949 | A | FOR AVERY DENNISON SHEETING ONLY. |
| 02910.70 | ANTI-GRAFFITI COATING FOR SIGNS | F-CAL PREMIUM PROTECTIVE FILM | NIPPON CARBIDE 800/821-4264 ROBERT PARRA 800/821-4264 JAMES JOHNSON 310/632-7500 | 07/10/03 | 1799 | A | FOR NIPPON CARBIDE (NIKKOLITE) SHEETING ONLY. |

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LIST PUBLISHED BY: ODOT MATERIALS LAB; 800 AIRPORT RD SE; SALEM, OR 97301-4798; (503) 986-3059. PLEASE REPORT ANY PROBLEMS USING THESE PRODUCTS.

Appendix A—Approved Reinforcing Steel Producers

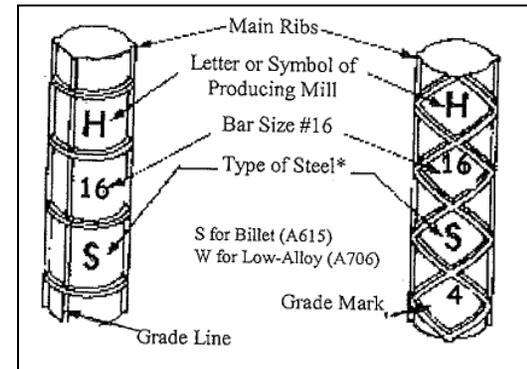
The ASTM specifications for billet-steel and low-alloy reinforcing bars (A615 and A706, respectively) require identification marks to be rolled into the surface of one side of the bar to denote the producer’s mill designation, bar size, type of steel and minimum yield designation. Grade 420 bars show these marks in the following order:

1st ---Producing Mill (usually a letter)

2nd --- Bar Size Number (# 4 through # 18)

3rd --- Type of Steel: **S** Billet (A 615)
W for Low Alloy (A 706)

4th ---Minimum Yield Designation



The minimum yield designation for Grade 420 bars is either one (1) single, longitudinal line (grade line) or the number 4 (grade mark).

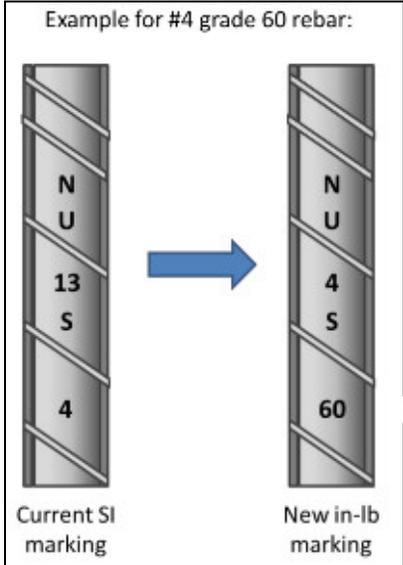
A grade line is smaller and is located between the two main ribs, which are on opposite sides of all bars made in the United States. A grade line must be continued through at least 5 deformation spaces, and it may be placed on the side of the bar opposite the bar marks. A grade mark is the fourth mark on the bar.

VARIATIONS: Bar identification marks may also be oriented to read horizontally (90° to those illustrated). Grade numbers may be placed within consecutive deformation spaces to read vertically or horizontally.

The Identification marks for the Approved Producers are shown in the following figures. Rebar grades shown on these pages are for reference only. Check the specs for the appropriate requirements.

ArcelorMittal Vinton, Inc. El Paso Texas ODOT # 1841

| | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>ArcelorMittal Vinton, Inc. (El Paso, TX)</p> <p>S</p>  <p>Bars #10 through #36 only</p>   | <p>W</p>  <p>Bars #10 through #36 only</p>  | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|



Nucor Steel Utah ODOT # 1112

#11 REBAR

CMC Steel Mesa Arizona ODOT #4118



Side



Back



Front

| A 615 | | | A706 | | |
|-------|-------|-------|------|-------|-------|
| Gr60 | Gr 75 | Gr 80 | | Gr 60 | Gr 80 |
| | | | | | |

Bar sizes 4, 5, 6, 7, 8, 9, 10, 11, 14, 18.

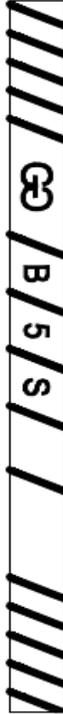
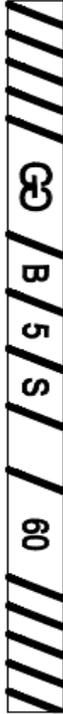
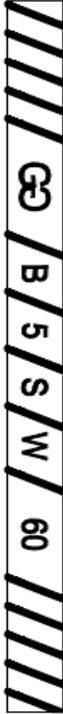
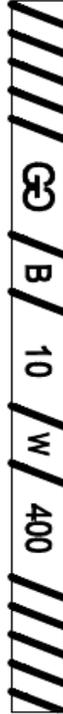
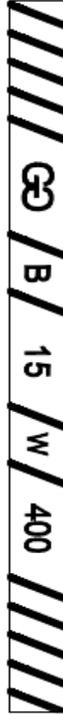
Nucor Steel Seattle Washington ODOT # 2935

740-G-100







A815
Gr. 40

A815
Gr. 60

A815/A706
Gr. 60

A815
Gr. 40

A815
Gr. 60

A815/A706
Gr. 60

A815
Gr. 40

A815
Gr. 60

A815/A706
Gr. 60

CSA-G30.18
Gr.400W

CSA-G30.18
Gr.400W

| | | | | | | | | | | | |
|-----|--------------------------------------------------------------------------------------------|------|----------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------|------|---|-----------------|--------|
| 4 | Ch. 40 added Ch. 250, Ch. 60 added Ch. 405, 8 added 10, 4 added 10, 8 added 10, 60 added 4 | T.B. | 11/09/18 | VEEGER |  <p>GERDAU AMERISTEEL BEAUMONT, TEXAS MILL P.O. BOX 3808 BEAUMONT, TEXAS 77704 (409) 788-1847</p> | GG Rebar Logo Finished Bar with "B" | | | | | |
| 3 | ADDED CANADIAN REBAR | T.B. | 09/14/08 | | | PROJECT NO. | 740-G-100 | REV. | 4 | SHEET OF SHEETS | 1 of 1 |
| 2 | REMOVED DEFORMATION BETWEEN SIZE TEXT | T.B. | 1/14/08 | | | VEEGER DIV. NO. | | | | | |
| 1 | ROTATED TEXT 90 DEGREES | T.B. | 06/27/08 | | | | | | | | |
| NO. | REVISION | BY | DATE | | | | | | | | |

Gerdau Steel Beaumont Texas ODOT #4838

REBAR MARKINGS



A615 – Grade 60 – Bar Sizes 4–18



A615 – Grade 75 – Bar Sizes 4–18



A615 – Grade 80 – Bar Sizes 4–18



A706 – Grade 60 – Bar Sizes 4–18

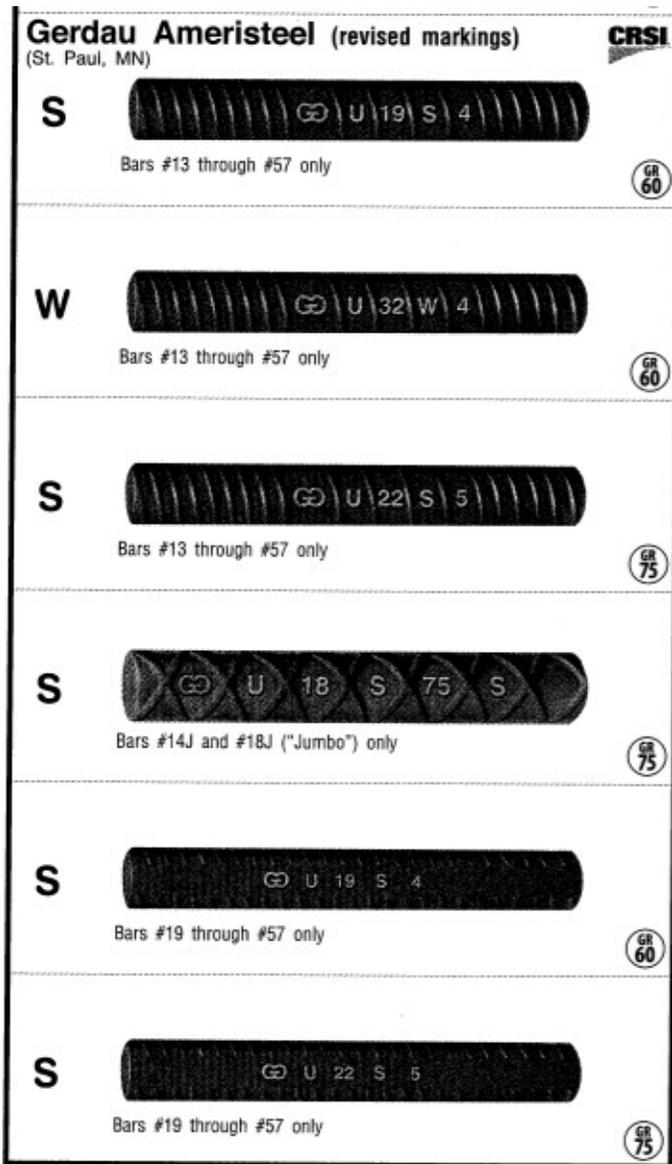


A706 – Grade 80 – Bar Sizes 4–18



1/2/13
REBAR11.DWG

Gerdau at Rancho Cucamonga California ODOT
1842



Gerdau St. Paul Minnesota ODOT # 1623

Cascade Steel Rolling Mills, Inc.
(McMinnville, OR)



Cascade Steel Mc-
Minnville Oregon
ODOT # 1111

| | | | |
|---------------|----------------------------------------------------|---------------|---------------------------|
| S | Bars #3 through #6 only | S | Bars #14 and #18 only |
| W | Bars #3 through #6 only | S | Bars #3 through #11 only |
| W | Bars #14 and #18 only | S | Bars #14 and #18 only |
| SW | Bars #3 through #11 only (#3 through #6 coiled) | W | Bars #3 through #11 only |
| SW | Bars #14 and #18 only | W | Bars #14 and #18 only |
| S | Bars #3 through #11 only (#3 through #6 coiled) | SW | Bars #3 through #6 coiled |

A706/A615 GRADE 60 REBARS MARKINGS
Rebar sizes: #3 thru #6

NUCOR STEEL – KINGMAN, AZ
ODOT #4356



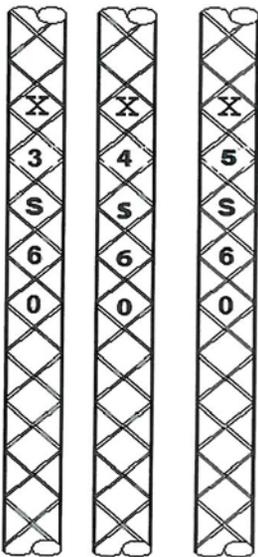
Current SI Marking



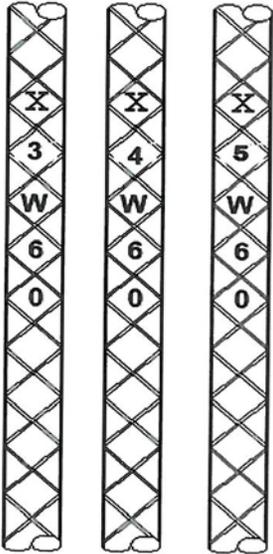
New IN-LBS

EVRAZ INC, NA PUEBLO, COLORADO
ODOT #1621 (COILED REBAR #3-#6)

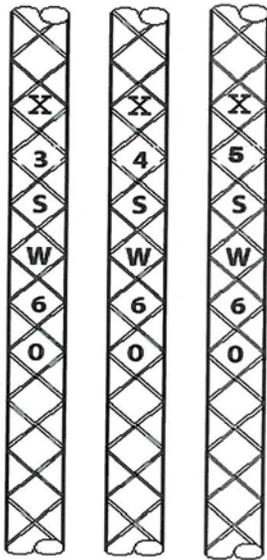
January 8, 2014 [EVRAZ ROD/BAR MILL REBAR MARKINGS]



A-615



A-706



A-615/A706
Dual



A-615



A-706



Table-RB-700-8 Rev 2

NUCOR-BAURBONNAIS (KANKAKEE)
ODOT #4943 (BAR SIZE #3-#11)



NUCOR STEEL - KANKAKEE
BARS #3-#11 BAR A706 ONLY