



# **QUALITY ASSURANCE PROGRAM**

(Revised December 2023)

## OREGON DEPARTMENT OF TRANSPORTATION QUALITY ASSURANCE PROGRAM

### ***I. OVERVIEW***

The Oregon Department of Transportation (ODOT) has implemented a Quality Assurance (QA) Program approach that complies with the FHWA Guidelines for a QA program for construction projects on the National Highway System. This program defines the responsibilities of the Contractor and ODOT in order to satisfy the needs of the program. This program is currently used for all construction projects administered by ODOT or its consultants.

ODOT recognizes that there are other benefits of developing and implementing quality assurance specifications into its construction program. These benefits include:

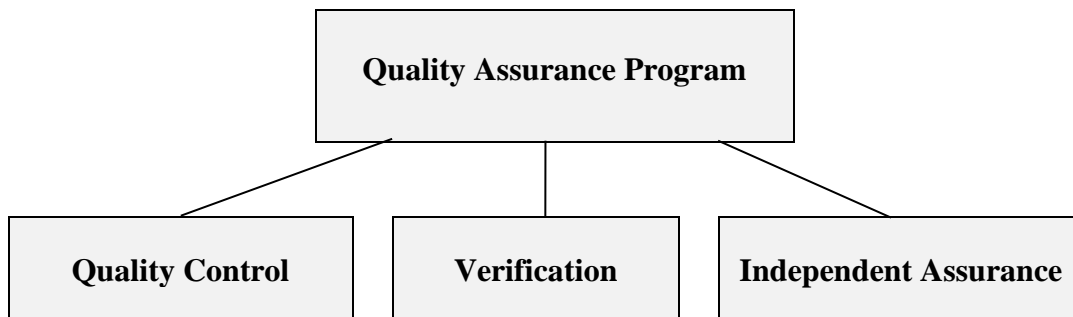
- To improve the overall quality of highway and bridge construction; and
- To place responsibility on the contractor for quality control in contracted work.

The success of the Agency's Quality Assurance Program is dependent on three primary features. The first is the Laboratory Certification Program, which is discussed in Section III of this document. The second is the Technician Certification Program, which is discussed in Section IV and the final feature is the specific product QC/QA testing plan detailed in Section VI of this document.

### ***Quality Assurance (QA)***

Quality assurance is defined as: *All those planned and systematic actions necessary to provide confidence that a product or service will satisfy given requirements for quality.*

ODOT has developed its QA Program, which includes three separate and distinct sub-programs as illustrated below:



## **Quality Control (QC)**

Quality control is defined as: *All Contractor/vendor operational techniques and activities that are performed or conducted to fulfill the contract requirements.*

The Contractor is responsible for providing quality control sampling and testing, furnishing material of the quality specified, and furnishing QL levels during aggregate production, when required. The Contractor's quality control technician must perform or observe the sampling operations. Testing operations shall be performed by technicians certified to run the respective tests. The certified technician, who performs the sampling and testing procedures, must sign the testing documentation.

Contractor quality control tests will be used for acceptance only if verified by tests performed by an independent group (region QA).

Small quantities of some materials may be accepted when requested by the Contractor and approved by the Project Manager (see Section 4(B) of MFTP).

***ODOT will perform testing for all source/compliance tests and those non-field tested items associated with construction products (e.g. asphalts, emulsions, tack, etc.).***

## **Verification**

Verification is defined as: *Sampling and testing performed to validate the quality of the product.*

Verification samples are taken randomly (minimum ten-percent frequency of sublot quantity identified in Section 4(D) of the MFTP) and tested by an independent group (region QA) to verify that products meet required specification(s). All aggregate samples will be obtained from the stockpile. Material transported to the source of incorporation (e.g., concrete plant, ACP facility, pug mill etc.), may be subject to further testing. Quality control samples shall not be used for verification.

## **Independent Assurance (IA)**

Independent assurance is defined as: *Activities that are an unbiased and independent evaluation of all the sampling and testing procedures used in the acceptance program.*

ODOT's Independent Assurance (IA) Program uses a combination approach requiring laboratory certification, technician certification, proficiency samples, and where possible, split samples of verification or QC tests. The Construction Section certifies quality control and quality assurance testing laboratories and technicians. Contractor's test results of split IA samples are compared to region QA test results for compliance using ODOT IA Parameters. The PM performs random inspections of QC laboratories and technicians for compliance. The quality of region QA test results are constantly monitored through the Quality Assurance Laboratory Proficiency Sample Program which is outlined in Section V.

**Quality assurance testing (both verification and independent assurance) will be performed by a quality assurance laboratory designated by the Agency in compliance with 23 CFR 637.**

## ***Quality Assurance Program Components***

### ***Third-Party Resolution***

Third-party resolution is used when the Agency's quality assurance test results conflict with ongoing quality control test results according to section VI (Product Specific QC/QA Testing Plan) and when the conflict cannot be resolved. Third-party resolution can be requested by either the Contractor or the Project Manager.

Third-party resolution testing shall be performed by a third-party resolution laboratory. The ODOT Construction Section's Central Materials Laboratory (ODOT-CML) performs third-party resolutions. This is normally done by testing quality control production backup samples, but may include other resolution techniques or procedures as determined by the Agency's technical expert for the corresponding specification section.

The test result(s) of the third-party resolution laboratory performing third-party resolution materials testing for any or all disputed test results will be considered the actual test results and will therefore be used for acceptance of the material.

### ***Certification Advisory Committee (CAC)***

The certification programs (both Technician and Laboratory Certifications) for ODOT's Quality Assurance Program will be overseen by a Certification Advisory Committee (CAC). The purpose of this committee is to review and provide general oversight to the certification programs. The committee will be responsible for establishing policy as related to the certification programs and will also be responsible for reviewing allegations concerning abuse by technicians. The CAC will perform other duties as required to successfully implement and continue the certification programs. A meeting of the CAC may be called at any time by the Chair of the Certification Advisory Committee or by written request of at least two members of the CAC. A majority of the members of the CAC shall be present for transaction of official business.

### **Membership**

Membership of the Certification Advisory Committee will include the following:

ODOT Construction and Materials Engineer (Chair)  
ODOT Pavements Services Engineer  
ODOT State Quality Assurance Engineer  
ODOT Structural Services Engineer  
ODOT Laboratory Services Manager  
APAO Executive Director or Representative  
OCAPA Executive Director or Representative

AGC Heavy Highway Representative  
Industry “At Large” Representative (appointed by CAC)

### ***Random Samples***

The Quality Assurance Program is based on theoretical conditions and the application of statistical acceptance procedures. Sampling shall be by simple random, stratified random or systematic means as specified.

To obtain a representative sample, a reliable system of random sampling shall be employed. Some work, like process control, lends itself quite well to the use of the Random Units Table and the Random Sample Location forms that ODOT has developed. ODOT TM 400, Determining Random Sampling and Testing Locations, is available to assist with random number determinations and test site locations. Random sampling is the preferred method to assure that the samples are representative and to eliminate sampling bias. In other work, like verification or independent assurance, it may be difficult to apply random numbers to sample selection. In this case, it is imperative that the samples are taken at locations or times, which do not have an identifiable pattern and are completely random, without bias.

### ***ODOT Approved Aggregate Product Program (OAAPP)***

The ODOT Quality Assurance Program allows some freedom for aggregate sources to establish their own quality control plan that is tailored to the operation of the specific source. The supplier is required to submit a written quality control plan to the appropriate region Senior Quality Assurance Coordinator (SQAC) for approval. All testing for the approved quality control plan is required to be performed by a certified technician in an ODOT certified laboratory. Specific details on the ODOT Approved Aggregate Product Program may be found in Appendix A.

## **II. ROLES AND RESPONSIBILITIES**

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### ***Contractor***

The Contractor's responsibilities are to:

- Furnish a written quality control plan (See Appendix B for minimum requirements);
- Furnish and incorporate materials/products which are of the quality specified;
- Provide ODOT certified technicians and laboratories;
- Perform quality control of all materials/products used on ODOT construction projects;
- Sample and test materials using appropriate devices and procedures;
- Furnish QLs when required;
- Provide extra testing or retesting according to section 00165.
- Sample and provide splits to ODOT upon request, witnessed by an Agency representative;
- Perform required tests on Contractor's split of IA samples;
- Properly document, sign and deliver test results as required, on ODOT forms according to Section 3 criteria; and
- Retain splits of all QC samples until the Project Manager (PM) determines that the split samples may be discarded.
- Retain all split portions of IA samples until notified in writing by the PM to discard.

### ***Project Manager (PM)***

The Project Manager has the authority and responsibility to enforce the provisions of the contract. The PM's Quality Control Compliance Specialist (QCCS) supports the project QA activities and is experienced and certified in all areas of field testing and documentation. The QCCS is required to maintain certification in CAgT, CEBT, CAT 1, CDT and QCT. Certification in CAT II, CCT and CMDT is recommended.

The Project Manager is responsible to ensure that:

- The project meets the requirements specified in the plans and specifications.
- All required tests are performed, documented, and submitted. The PM is also responsible for informing the SQAC of project schedules, current quantities, and anticipated sampling requirements, so verification testing can be accomplished.
- The Contractor's QC program meets required standards. This is accomplished by performing inspections of the Contractor's personnel, testing procedures and testing equipment.
- The Contractor and region quality assurance laboratory is notified in writing within 5 working days of an IA/Verification sample's completion, regarding which backup samples may be discarded or that an investigation is in progress. Upon the completion of an investigation inform the Contractor, in writing, as to which backup samples may be discarded. Written notification will identify the lot/sublots represented by the

IA/verification sample, include the IA test results and, if required, the resolution of an IA investigation.

### ***Region Quality Assurance Team***

The region quality assurance team consists of a Senior Quality Assurance Coordinator (SQAC), Quality Assurance Coordinator (QAC) and quality assurance technicians (QATs). They are resources for the PMs, inspectors, technicians, other agencies and contractors. They are also experienced in construction and design and certified in testing of construction materials.

Specific duties include, but are not limited to, the following:

- Maintain uniformity in construction and testing activities;
- Witness quality control technician sampling for IA and verification testing;
- Perform all required IA and verification testing;
- Properly document on ODOT forms according to Section 3 criteria;
- Calibrate or verify calibration of all nuclear moisture density gauges for ODOT, industry, and other agencies;
- Administer the region's radiation safety program;
- Troubleshoot construction problems related to materials;
- Recommend changes to mix designs;
- Assist in the technician certification program;
- Oversee region testing facilities;
- Inspect Contractor facilities and/or technicians; and
- Assist in QC laboratory certification.
- Retain IA/verification splits until notified by the PM.
- Administer the ODOT Approved Aggregate Product Program

### ***Construction Section***

The Construction Section's duties include:

- Support of the QA Program by coordinating training and certification for technicians and by certifying all testing labs associated with ODOT construction projects;
- Administer the proficiency sample program;
- Provide third-party resolution, according to the QA Program.
- Utilize the QA Steering Committee to establish and ensure statewide consistency in the QA Program.

**TABLE 1**  
**Independent Assurance Parameters**  
**Maximum Allowable Differences**

<b>Gradation Sieve Sizes with Assigned Tolerances T 27, T 27/11 &amp; T 30</b>	
Larger than No. 8	5%
No. 8	4%
No.10	4%
Larger than No. 200 and smaller than No. 10	2%
No. 200 with targets 10.0% or less	1.0%
No. 200 with targets greater than 10.0%	1.5%
<b>Asphalt Content – T 308</b>	0.40%
<b>Fracture - T 335</b>	5%
<b>Wood Particles - TM 225</b>	0.05%
<b>Elongated Pieces – TM 229</b>	
5:1 Ratio	2.0%
3:1 Ratio	4.0%
<b>Sand Equivalent – T 176</b>	8 points
<b>Soil Curves – T 99/180 (<math>\rho_f</math>)</b>	
<i>Maximum Density</i>	3.0 lbs. per ft <sup>3</sup>
<i>Moisture</i>	3.0%
<b>Aggregate Base – T 99/180 (<math>\rho_f</math>)</b>	
<i>Maximum Density</i>	3.0 lbs. per ft <sup>3</sup>
<i>Moisture</i>	2.0%
<i>Plant Mixed Moisture Content</i>	1%
<b>Maximum Specific Gravity – Rice - T 209</b>	
<i>Standard <math>G_{mm}</math></i>	0.020
<i>Dryback <math>G_{SSD}</math> (If required)</i>	0.020
<b>Bulk Specific Gravity of Lab fabricated specimens - T 166</b>	0.032
<b>Maximum Specific Gravity (<math>G_{sb}</math>) - T 85</b>	0.032
<b>Air Content of Concrete - T 152</b>	0.5%
<b>Slump of Concrete - T 119</b>	1"
<b>Temperature of Concrete - T 309</b>	3°F
<b>Unit Weight of Concrete - T 121</b>	3.0 lbs. per ft <sup>3</sup>



## **FIELD TESTED MATERIALS SMALL QUANTITY GUIDELINE**

This Guideline defines a method for accepting relatively small quantities of field tested materials without following the normal Quality Control sampling and testing frequencies. These quantities are usually less than the subplot amounts shown in the Field Tested Materials Acceptance Guide.

The Contractor may request, in writing, that normal QC sampling and testing of materials be waived for the quantities listed in the table below. The written request should clearly identify the equipment and process proposed before commencement of the work.

The Project Manager has the option to waive normal QC sampling and testing on the basis of one or more of the following conditions, if the Contractor submits the appropriate documentation with their request. Aggregate Product Compliance testing or documentation (Section 4A) shall be included with the submitted request. All asphalt cement products require a certificate of compliance.

- (1) If similar material from the same source has been accepted for use on ODOT projects within the past two years, and was found satisfactory under the Department's QA Program. Include the QC test data with the request.
- (2) Provide a Quality Compliance Certificate verifying that the material conforms to the contract requirements.
- (3) Provide other information indicating, by what method or workmanship that the Contractor will assure that all the contract requirements will be met.
- (4) For Section 00330 (Earthwork) provide a minimum of one Deflection test (TM 158) per area, performed by a ODOT Certified Density Technician (CDT). The Contractor's written request must identify the distinct work areas that small quantity acceptance is requested.
- (5) For section 00440, Small Quantity usage is not allowed for Structural Items.
- (6) For Section 00745 (ACP, Statistical Acceptance), acceptance shall be based on 00745.17 or on QC and QA data for the same Mix Design used on other projects within the past 12 months.
- (7) For Sections 00495, 00510, 0A596, 0B596 and 0C596 Small Quantity usage only applies to Quality Control Testing and sampling during Aggregate Production.

The Project Manager will report the basis of acceptance for the materials used in the project documents, including references to the appropriate test results and attachments.

*See next page for Small Quantity Table.*

### Small Quantity Table

Section	Type of Material	Approximate Quantity
00330	Earthwork (Embankment)	500 yd <sup>3</sup>
00330	Earthwork (Excavation)	500 yd <sup>2</sup>
00390	RipRap	100 yd <sup>3</sup>
00405	Ditch & Trench Excavation, Bedding and Backfill	50 yd <sup>3</sup>
00440	Commercial Grade Concrete (Non-Structural Items)	50 yd <sup>3</sup>
00495	Trench Resurfacing	500 Ton
00510	Structure Excavation and Backfill	500 Ton
0A596, 0B596 & 0C596	Retaining Walls	500 Ton
00641	Aggregate Sub-base, Base & Shoulders	2000 Ton
00680	Stockpiled Aggregate	2000 yd <sup>3</sup>
00730	Asphalt Tack Coat	50 Ton
00735	Emulsified Asphalt Concrete Pavement (includes asphalt cement)	2500 Ton
00745	Asphalt Concrete Pavement (Statistical Acceptance) (ACP-each Level) (includes asphalt cement).	2500 Ton

**INSERT TAB**

**SECTION 4(D)**  
**Field Tested Materials**  
**Guide**

## HOW TO USE THE FIELD TESTED MATERIALS ACCEPTANCE GUIDE

This guide summarizes the testing requirements for various materials used in the construction of ODOT projects. It indicates what tests must be performed, who must perform them, and how frequently they must be performed. It includes materials which are sampled and tested in the field and materials which are field sampled but sent elsewhere for testing. When a Contract requires quality control (QC) by the Contractor, samples that must be sent elsewhere for testing are delivered to the Project Manager along with the Sample Data Sheet (Form 734-4000). Examples of this and other test report forms are in Section 3 of this MFTP.

Materials in this guide are listed in the numerical order of the Standard Specifications and the project Special Provisions. To find the testing requirements for a particular material, first determine what it will be used for and then refer to the appropriate specifications section for that product. For example, to look up testing requirements for aggregate to be used in asphalt concrete paving, refer to Section 00745.

### Definitions

**SOURCE REVIEW/PRODUCT COMPLIANCE TESTING** – Refer to Section 4(A) for additional explanation. Certain QC tests on aggregates fall into this category. They are identified in this section by the words “Product Compliance.”


**SAMPLE SIZES** – Refer to Section 4(C) for guidance on material sample sizes, containers, and labeling. Although designed for the ODOT Central Materials Laboratory (ODOT-CML), it is a good guide for samples being sent to any laboratory.


**ASPHALT CONCRETE MIX DESIGNS** – If the ODOT-CML is preparing the AC mix design, submit samples of the materials shown in Section 4(C) of this MFTP.


## TYPES OF TESTS

The following types of tests will be performed by the Contractor or Engineer on materials and products required for contract work:


1. **Source Review** – This test type is addressed in Section 4(A) of this Manual.  
The Engineer will test unprocessed material from an aggregate source, if requested by the Contractor, to provide information about the quality of material. Tests will involve degradation, soundness, and abrasion, but may involve other tests. Favorable test results do not imply that processed material from the source will comply with specifications after it is processed as required for the project.
2. **Product Compliance** – This test type is addressed in Section 4(A) of this Manual. The Engineer will test processed material if process control testing indicates that the processed material meets the contract quality requirements. Tests will involve degradation, soundness, abrasion, and lightweight pieces, but may involve other tests. The material shall not be incorporated into the project unless Product Compliance tests show favorable results.
3. **Quality Control** – The Contractor will perform quality control testing as described in Section 2 and specified in 4(D) of this Manual or as modified by the Special Provisions or Supplemental Standard Specifications.
4. **Verification** – The Engineer will perform Verification testing as described in Section 2 and specified in Section 4(D) of this Manual.  
**Note: The required 1 per 10 subplot testing of Quality Control by the Region QA is considered a minimum frequency and testing may be increased when deemed necessary by the engineer.** These tests provide the basis for the Engineer's decision on acceptance of materials and products. If Independent Assurance is to be done on a material, a split of the Verification sample will be given to the Contractor for testing.
5. **Independent Assurance** – Where Independent Assurance involves testing, the Engineer will evaluate test results from split samples to assure that Contractor test results meet required parameters.
6. **Visual** – Visual Inspection: Examination and assessment of construction materials, by **OBSERVATION**, to determine if the materials appear to meet the contract requirements and are acceptable for incorporation into ODOT construction projects. Visual inspection, when stated in the contract, is a method generally used by the Project Inspector in lieu of normal sampling and testing of field tested materials as defined in section 00165.00 of the Standard Specifications to document quality. Supporting documentation for visual acceptance is, at a minimum, a field inspection report. Consult the construction contract for other acceptance document requirements.


FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)		Same Frequency for all Tests (Minimums)							
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE									
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification								
							Project Manager	Region Quality Assurance	Materials Laboratory						
SECTION 00330 - EARTHWORK		TM 158		T 99	3468	1/Soil type		1/Project							
Establishing Maximum Density (for Compaction)     Compaction	Density Curve														
	Specific Gravity of Coarse Aggregates														
	Family of Curves														
	Deflection Testing														
	Nuclear Density Soils/Aggregates														
	Coarse Particle Correction														
	Deflection Testing														
	TABLE 00330-1 Frequency of Quality Control Testing (English)														
	Individual Areas									Under 3500 yd <sup>2</sup> or yd <sup>3</sup>		Over 3500 yd <sup>2</sup> or yd <sup>3</sup>			
Existing Ground Surface		1 test per 1000 yd <sup>2</sup>		1 test per 3000 yd <sup>2</sup>											
Embankments		1 test per 500 yd <sup>3</sup>		1 test per 3000 yd <sup>3</sup>											
Excavations and Finished Subgrade		1 test per 1000 yd <sup>2</sup>		1 test per 3000 yd <sup>2</sup>											
Stone Embankment Material (See Sec. 330.16(a))	Gradation	TM 158			1793S	1 per Layer	Visual See Section 00330.16(b)								
	Deflection Testing														
Contractor must demonstrate, by compaction testing or acceptable visual means, that the material, equipment, and process used for compaction achieves the specification requirements. If the material, equipment, or process changes, or if other conditions indicate a non-specification product, the Contractor must re-demonstrate that specification requirements are being achieved.															
Topsoil (See Section 01040.14)	Particle Size Analysis			T 88	4000	See Section 4C 1/Source & 1/Type of Soil	Submit to Lab								
	Organic Content														


FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00331 - SUBGRADE STABILIZATION</b>										
Aggregate backfill	Material must meet the requirements of Section 00331.10					Visual				
Water	Material must meet the requirements of Section 00340									
Compaction	Material must meet the requirements of Section 00331					Visual				
<b>SECTION 00332 - SURFACING STABILIZATION</b>										
Aggregate Base	Material must meet the requirements of Section 00332.10					Visual				
Compaction	Material must meet the requirements of Section 00332					Visual				
<b>SECTION 00333 - AGGREGATE DITCH LINING</b>										
Aggregate	Sampling Aggregates Reducing Aggregates Sieve Analysis			R 90 R 76 T 27/T 11	1792	1/Project or 1/Source				


FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)	Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00344 -TREATED SUBGRADE										
Granular Quicklime	Sieve Analysis			T 27	4000	1/Project or 1/Source	Submit to Lab		1/Project or 1/Source	
	Calcium Hydroxide Content in lime		T 219							
Hydrated Lime Calcium Chloride Sodium Chloride	Materials must meet the requirements of Section 00344.10 and Test Results Certificate provided according to Section 00165.35(a)									
Portland Cement Water	Material must meet the requirements of Section 02010									
	Material must meet the requirements of Section 00340									
Establishing Maximum Density	Density Curve			T 99	3468	See Table 00344-1 Below for Testing Frequency		1/Project and 1 Test per 10 QC tests per Table 00344-1		
Compaction	Deflection Testing	TM 158			1793S					
	Deflection Testing	TM 158								
	Nuclear Density Soils/Aggregates		T 310	1793S						
	Coarse Particle Correction			T 99						
TABLE 00344-1 Frequency of Quality Control Testing										
Individual Areas				Under 3500 yd²			Over 3500 yd²			
Finished Subgrade				1 test per 1000 yd²			1 test per 3000 yd²			





FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)	Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE					
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification				
							Project Manager	Region Quality Assurance	Materials Laboratory		
SECTION 00360 - Drainage Blankets											
Granular Drainage Blanket	Sampling Aggregates Reducing Aggregates Sieve Analysis			R 90 R 76 T 27/T 11		A sublot equals 1000 Tons					
					1792	1/sublot minimum 1/Source per Project					
Sand Drainage Blanket	Sampling Aggregates Reducing Aggregates Sieve Analysis			R 90 R 76 T 27/T 11	1792						
Establishing Maximum Density	Density Curve			T 99	3468	1/Source and Type			1/Project		
	Specific Gravity of Coarse Aggregates				T 85	3468					
Compaction	Deflection Testing			TM 158		1793S	1 test per 3 ft. in depth				
	Deflection Testing Nuclear Density Soils/Aggregates Coarse Particle Correction			TM 158	T 310	1793S	See Table 00360-1 Below				1 Test per 10 QC Tests per Table 00360-1
						T 99		1793S			
TABLE 00360-1 Frequency of Quality Control Testing											
Individual Areas				Under 3500 yd²			Over 3500 yd²				
Existing Ground Surface				1 test per 1000 yd²			1 test per 3000 yd²				
Finished Surfaces			1 test per 1000 yd²			1 test per 3000 yd²					


FIELD TESTED MATERIALS ACCEPTANCE GUIDE							(Revised November 2023)		Same Frequency for all Tests (Minimums)								
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE											
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification										
							Project Manager	Region Quality Assurance	Materials Laboratory								
SECTION 00390 - RIPRAP PROTECTION		TM 208		T 104  (1) T 85		See Section 4(A)	Submit To Lab		See Section 4(A)								
Fill Material & Riprap  <i>Gradation</i> <i>See 00390.11(c-1)</i>  (1) <i>Apparent Specific Gravity and Absorption</i>	Degradation Soundness Specific Gravity of Coarse Aggregates																
												Visual					
Filter Blanket  <i>Gradation</i> <i>See 00390.13</i>																	
												Visual					
Grouted Riprap																	
Sand	Sampling Aggregates Reducing Aggregates Sieve Analysis											R 90 R 76 T 27/T 11		1/Project			
													1792				
	Soundness Lightweight Pieces	T 104 T 113	4000	See Section 4(A)	Submit to Lab	See Section 4(A)											
Portland Cement	Material must meet the requirements of Section 02010																


FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00396 - SHOTCRETE SLOPE STABILIZATION										
Aggregate Production and Mixture						A Sublot equals 1000 Tons				
<div><div><div><sup>(1)</sup> QAE may waive after 5 sublots/shifts</div><div><sup>(2)</sup> Coarse Aggregate (See Section 02690.20)</div><div><sup>(3)</sup> Fine Aggregate (See Section 02690.30)</div></div></div>	Sampling Aggregates	TM 225		R 90	1792	1/Sublot		1 per 10 Sublots		
	Reducing Aggregates			R 76						
	<sup>(2)(3)</sup> Sieve Analysis			T 27/T 11						
	<sup>(3)</sup> Fineness Modulus			T 27/T 11						
	<sup>(1)(2)</sup> Wood Particles									
	<sup>(3)</sup> Sand Equivalent			T 176						
		TM 208		T 104	4000	See Section 4A	Submit to Central Lab		See Section 4(A)	
	Abrasion			T 96						
	Degradation			T 113						
	Lightweight Pieces			T 21						
	Organics									
	<sup>(2)</sup> Dry Rodded Unit Weight			T 19	1825 1825C	Start of Production and when changes in aggregate occurs				
	<sup>(2)</sup> Specific Gravity of Coarse Aggregate			T 85	1825					
	<sup>(3)</sup> Specific Gravity of Fine Aggregate			T 84						
	Portland Cement	Material must meet the requirements of Section 02010					Two Test Panels per Mix Design & Two Panels per days Production See Section 00396.16(a)2			
	Admixtures	Material must meet the requirements of Section 02040								
	Mixing Water	Material must meet the requirements of Section 02020								
Production Testing (See Section 00396.16)	<sup>(S)</sup> Test Panel									
<sup>(S)</sup> 3 Cores minimum per Panel										
Compression Test Cores	Strength			T 22	4000C	1/Set Cores per Test panel	Submit to Central Lab			

FIELD TESTED MATERIALS ACCEPTANCE GUIDE  (Revised November 2023)					Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00405 - TRENCH EXCAVATION, BEDDING, AND BACKFILL</b>									
<b>TRENCH FOUNDATION (Excavation Below Grade Only)</b> (See Section 405.44)									
Selected general backfill	Material must meet the requirements of Section 00330.13					Visual			
Selected granular backfill	Material must meet the requirements of Section 00330.14					Visual			
Selected stone backfill	Material must meet the requirements of Section 00330.15					Visual			
Other approved material	Material must meet the requirements of Section 00405.11					Visual			
Establishing Maximum Density	Density Curve			T 99	3468	1/Soil Type or Aggregate Gradation			
	Specific Gravity of Coarse Aggregates			T 85	3468				
	Family of Curves			R 75	3468FC				
Compaction	Nuclear Density Soils/Aggregates Coarse Particle Correction			T 310  T 99	1793S	1 Test per 300 ft. of Trench			
<b>Contractor must demonstrate, by compaction testing or acceptable visual means, that the material, equipment, and process used for compaction achieves the specification requirements. If the material, equipment, or process changes, or if other conditions indicate a non-specification product, the Contractor must re-demonstrate that specification requirements are being achieved.</b>									


FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00405 - TRENCH EXCAVATION, BEDDING, AND BACKFILL (CONTINUED)</b>										
<b>Bedding</b> 3/8" - 0 PCC fine aggregate (See Section 02690.30(h))	<i>Sampling Aggregates</i> <i>Reducing Aggregates</i> <i>Sieve Analysis</i>			R 90 R 76 T 27/T 11	1792	1/Source or Aggregate Gradation				
Commercial 3/4" - 0 Aggregate							Visual			
No. 10 - 0 Sand drainage blanket material (See Section 00360.10)	<i>Sampling Aggregates</i> <i>Reducing Aggregates</i> <i>Sieve Analysis</i>			R 90 R 76 T 27/T 11	1792	1/Source or Aggregate Gradation				
Reasonably well graded sand, maximum 3/8" to dust							Visual			
Commercial available 3/8"-0 or No.10 - 0 sand							Visual			
Continuous cradle of Commercial Grade Concrete	Material must meet the requirements of Section 00440						Visual			


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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00405 - TRENCH EXCAVATION, BEDDING, AND BACKFILL (CONTINUED)</b>									
Pipe Zone Material Flexible Pipe	Use the Listed Material requirements under Bedding								
Rigid Pipe: Aggregate Base 1" - 0 or 3/4" - 0 Aggregate  (See Section 02630.10)	Sampling Aggregates Reducing Aggregates Sieve Analysis			R 90 R 76 T 27	1792	1/Source or Gradation			
Rigid Pipe: Commercial 1" - 0 or 3/4" - 0 Aggregate						Visual			
Establishing Maximum Density (Flexible and Rigid Pipe)  ( <sup>1</sup> ) Method "A" & ODOT TM 223 for Dense Graded Base Aggregate	Density Curve			( <sup>1</sup> ) T 99	3468	1/Source or Aggregate Gradation			
	Specific Gravity of Coarse Aggregates			T 85					
	Coarse Particle Correction			( <sup>1</sup> ) T 99	3468				
Compaction	Nuclear Density Soils/Aggregates			T 310	1793B	1 Test per 300 ft. of Trench and every 1.5 ft. of Fill			
<p><b>Contractor must demonstrate, by compaction testing or acceptable visual means, that the material, equipment, and process used for compaction achieves the specification requirements. If the material, equipment, or process changes, or if other conditions indicate a non-specification product, the Contractor must re-demonstrate that specification requirements are being achieved.</b></p>									


FIELD TESTED MATERIALS ACCEPTANCE GUIDE  (Revised November 2023)						Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00405 - TRENCH EXCAVATION, BEDDING, AND BACKFILL (CONTINUED)</b>									
<b>Trench Backfill</b>									
Class A Backfill - Native or common Material	<i>Material must meet the requirements of Section 00330.43</i>								
Class B Backfill - 1"-0 or 3/4"-0 Granular Material	<i>Material must meet the requirements of Section 00641</i>								
Class C Backfill - Clean sand with 100% minus 1/4" material							Visual		
Class D Backfill - Pit run or bar run material with 3" maximum dimension and well graded from coarse to fine							Visual		
Class E Backfill - Controlled Low Strength Material (CLSM)	<i>Material must meet the requirements of Section 00442</i>								
Establishing Maximum Density	Density Curve			<sup>(1)</sup> T 99	3468	1/Soil Type or Aggregate Gradation			
<sup>(1)</sup> Method "A" & ODOT TM 223 for Dense Graded Base Aggregate	Specific Gravity of Coarse Aggregates			T 85	3468				
	Family of Curves			R 75	3468FC				
Compaction	Nuclear Density Soils/Aggregates			T 310	1793S	<sup>(C)</sup> 1 test per 300 ft. of Trench and every 1.5 ft. of Fill			
<sup>(C)</sup> Density testing is based on cumulative lineal feet of pipe placement.	Coarse Particle Correction			T 99	or 1793B				
	<b>Contractor must demonstrate, by compaction testing or acceptable visual means, that the material, equipment, and process used for compaction achieves the specification requirements. If the material, equipment, or process changes, or if other conditions indicate a non-specification product, the Contractor must re-demonstrate that specification requirements are being achieved.</b>								


FIELD TESTED MATERIALS ACCEPTANCE GUIDE							(Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE						
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification					
							Project Manager	Region Quality Assurance	Materials Laboratory			
SECTION 00430 - SUBSURFACE DRAINS		TM 208										
Granular Drain Backfill Material	Sampling Aggregates Reducing Aggregates Sieve Analysis						A Sublot equals 1000 Tons					
						R 90 R 76 T 27	1792	1/Sublot (Minimum 1/ Project)				
	Abrasion Degradation					T 96	4000	See Section 4A	Submit To Lab		See Section 4A	
Special Filter Material See Section 00430.46(a)	Compaction					See section 405 for compaction requirements						
SECTION 00440 - COMMERCIAL GRADE CONCRETE			TM 2									
Mixture	Sampling Concrete Air Content of Concrete Density (Unit Weight) of Concrete Yield Slump of Concrete Concrete Temperature					A Sublot Equals 20 yd <sup>3</sup>						
		T 152 T 121				3573WS or 4000 C	1 per Sublot, maximum of 1 per day					
		T121 T 119 T 309										
	Fabrication of Concrete Cylinders/Beams Compressive Strength of Concrete <sup>(S)</sup>	R 100  T 22				4000C						
<sup>(S)</sup> ASTV based on a minimum of 3 Cylinders												
Cement Chemical Admixtures Supplementary Cementitious Materials	Materials listed on batch ticket must match approved design											





FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)	Same Frequency for all Tests (Minimums)					
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE						
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification					
							Project Manager	Region Quality Assurance	Materials Laboratory			
SECTION 00445 - SANITARY, STORM, CULVERT, SIPHON, AND IRRIGATION PIPE - INCLUDED WITH SECTION 00405												
Trench Work	See Section 00405 for pipes less than 72"											
Excavation, bedding, pipe zone and trench backfill												
Excavation, bedding, pipe zone and trench backfill												
Excavation, bedding, pipe zone and trench backfill	See Section 00510 for pipes greater than 72"											
Concrete Blocks	Material must meet the requirements of Section 00440											
SECTION 00450 - STRUCTURAL PLATE SHAPED STRUCTURES												
Commercial Grade Concrete in appurtenances	Material must meet the requirements of Section 00440											
Trench Work												
Excavation and Backfill	Operations must meet the requirements of Section 00510											
Trenches in Unstable Areas												
Granular Structural Backfill	Material must meet the requirements of Section 00510											
Establishing Maximum Density	Density Curve	TM 223		(1) T 99	3468 B	1/Aggregate Gradation and Source						
	Specific Gravity of Coarse Aggregates Coarse Particle Correction			T 85								
Compaction	Nuclear Density of Soils/Aggregates			T 310	1793 B	1 Test per 100 ft. and 1 ft. of fill						
	Material and Operation must meet the requirements of Section 00510.48(d)											
Structure Backfill (Section 00450.46)												


FIELD TESTED MATERIALS ACCEPTANCE GUIDE  (Revised November 2023)					Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00459 - CAST IN PLACE CONCRETE</b>									
Concrete	Material must meet the requirements of Section 00540, with acceptance in accordance with Section 00540.17								
Backfill Material	Material must meet the requirements of Section 00405.14 and be incorporated into the project in accordance with Section 00405.46								
<b>SECTION 00460 - PAVED CULVERT END SLOPES</b>									
Commercial Grade Concrete	Material must meet the requirements of Section 00440								
<b>SECTION 00470 - MANHOLES, CATCH BASINS AND INLETS</b>									
Commercial Grade Concrete	Material must meet the requirements of Section 00440								
Base Drain Backfill	Material must meet the requirements of Section 00470.17								
Excavation, Backfill and Foundation Stabilization	Material must meet the requirements of Section 00405								
<b>SECTION 00480 - DRAINAGE CURBS</b>									
Commercial Grade Concrete	Material must meet the requirements of Section 00440								
Dense Graded ACP Mixture	Material must meet the requirements of Section 00740								


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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00490 - WORK ON EXISTING SEWERS AND STRUCTURES</b>									
Commercial Grade Concrete	Material must meet the requirements of Section 00440								
High Early Strength Concrete	Material must meet the requirements of Section 00440, but cement contents adjusted according to 00490.11								
Backfill Operations	Backfill Excavations according to section 405								
<b>Filling Abandoned Pipes, Manholes and Catch Basins (See section 00490.44)</b>									
Backfill Operations (Roadway)	Material must meet the requirements of Section 2630								
Establishing Maximum Density	Density Curve	TM 223		<sup>(1)</sup> T 99	3468 B	1/Aggregate Gradation and Source			
<sup>(1)</sup> Method "A" & ODOT TM 223 for Dense Graded Base Aggregate	Specific Gravity of Coarse Aggregates Coarse Particle Correction			T 85					
Compaction	Nuclear Density of Soils/Aggregates			T 310			1793B	1 Test per 100 ft. and every 1.5' of Fill	
Backfill Operations Landscaped or Unimproved Roadways	Material must meet the requirements of Section 00330.13								
Top 1.0' of Backfill Region	Material must meet the requirements of Section 00330.11								
<b>SECTION 00495 - TRENCH RESURFACING</b>									
Resurfacing Materials	See Section 00495.40 for Material Requirements								

FIELD TESTED MATERIALS ACCEPTANCE GUIDE				(Revised November 2023)	Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
SECTION 00510 - STRUCTURE EXCAVATION AND BACKFILL									
Soils, Soil/Aggregate Mixtures and Graded Aggregates						A Sublot equals 1,000 Tons			
Granular Structure Backfill (See Section 02630.10)  (1) Perform a minimum of 3 tests QL's required	Sampling Aggregates Reducing Aggregates (1) Sieve Analysis Fracture (Method 1) Sand Equivalent	TM 208		R 90		1/Sublot (Minimum 1/Project)			
				R 76					
				T 27					
				T 335	1792				
				T 176					
Product Compliance	Abrasion Degradation Plasticity Index Sieve Analysis	TM 208		T 96		See Section 4C 1/Source	Submit to Lab		Minimum 1/Project or 1/Source
				T 90	4000				
				T 11					
Establishing Maximum Density  (2) Method "A" & ODOT TM 223 for Dense Graded Base Aggregate	Density Curve  Specific Gravity of Coarse Aggregates Coarse Particle Correction			(2) T 99	3468	1/Soil type or Aggregate Gradation			
				T 85					
				T 99	3468				
Compaction	Nuclear Density Soils/Aggregates			T 310	1793B	1/100 yd <sup>3</sup> minimum 1/project			
Contractor must demonstrate, by compaction testing or acceptable visual means, that the material, equipment, and process used for compaction achieves the specification requirements. If the material, equipment, or process changes, or if other conditions indicate a non-specification product, the Contractor must re-demonstrate that specification requirements are being achieved.									


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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE					
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification				
							Project Manager	Region Quality Assurance	Materials Laboratory		
<b>SECTION 00510 - STRUCTURE EXCAVATION AND BACKFILL (CONTINUED)</b>											
Soils, Soil/Aggregate Mixtures and Graded Aggregates						A Sublot equals 1,000 Tons					
<b>Granular Wall Backfill</b> (See Section 02630.11)  <sup>(1)</sup> Perform a minimum of 3 tests QL's required  Product Compliance  <sup>(2)</sup> Compaction  <b>Note: Compaction must meet                  the requirements of section                  00330.43c</b>	Sampling Aggregates	TM 208		R 90	1792	1/Sublot (Minimum 1/Project)					
	Reducing Aggregates			R 76							
	<sup>(1)</sup> Sieve Analysis			T 27							
	Fracture (Method 2)			T 335							
	Abrasion Degradation			T 96	4000	See Section 4C 1/Source				Submit to Lab	Minimum 1/Project or 1/Source
	<sup>(2)</sup> Deflection Testing			TM 158	1793B	1/Sublot (Minimum 1/Project)					
<b>Contractor must demonstrate, by compaction testing or acceptable visual means, that the material, equipment, and process used for compaction achieves the specification requirements. If the material, equipment, or process changes, or if other conditions indicate a non-specification product, the Contractor must re-demonstrate that specification requirements are being achieved.</b>											

FIELD TESTED MATERIALS ACCEPTANCE GUIDE				(Revised November 2023)	Same Frequency for all Tests (Minimums)								
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE							
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification						
							Project Manager	Region Quality Assurance	Materials Laboratory				
SECTION 00512 - DRILLED SHAFTS													
Aggregate Production						A Sublot equals 1,000 Tons							
<div><div><div><sup>(1)</sup> QAE may waive after 5 sublots/shifts</div><div><sup>(2)</sup> Perform a minimum of 3 tests, QL's required</div><div><sup>(3)</sup> Coarse Aggregate (See Section 02690.20)</div><div><sup>(4)</sup> Fine Aggregate (See Section 02690.30)</div></div><div><div>Sampling Aggregates</div><div>Reducing Aggregates</div><div><sup>(2)(3)(4)</sup> Sieve Analysis</div><div><sup>(4)</sup> Fineness Modulus</div><div><sup>(1)(3)</sup> Wood Particles</div><div><sup>(4)</sup> Sand Equivalent</div></div><div><div>Soundness</div><div>Abrasion</div><div>Degradation</div><div>Lightweight Pieces</div><div>Organics</div></div><div><div><sup>(3)</sup> Dry Rodded Unit Weight</div><div><sup>(3)</sup> Specific Gravity of Coarse Aggregate</div><div><sup>(4)</sup> Specific Gravity of Fine Aggregate</div></div></div>	TM 225							R 90	1/Sublot		1 per 10 Sublots		
								R 76					
								T 27/T 11					
								T 27/T 11					
								T 176					
	TM 208								T 104	See Section 4A	Submit to Lab		See Section 4(A)
									T 96				
									T 113				
									T 21				
									4000				
									T 19				
									T 85				
									T 84				


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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00512 - DRILLED SHAFTS (CONTINUED)</b>									
<b>Portland Cement Concrete</b>  Sampling Concrete Slump of Concrete Concrete Temperature Density (Unit Weight) of Concrete Yield Water/Cement Ratio  Fabrication of Concrete Cylinders/Beams Compressive Strength of Concrete <sup>(S)</sup>  (S) ASTV based on a minimum of 3 Cylinders  Aggregates Cement Chemical Admixtures Supplementary Cementitious Materials		TM 2			A Sublot equals 100 yd <sup>3</sup>				
			T 119	3573WS or 4000C	1 per Sublot, minimum 1 per mix design & shaft		1 per 5 Sublots, minimum 1 per mix design		
			T 309						
			T 121						
			T 121						
			T 121						
			T 121						
			R 100	4000C	1 per Sublot, minimum 1 per mix design & shaft		1 per 5 Sublots, minimum 1 per mix design		
			T 22						
			Materials listed on batch ticket must match approved design						


FIELD TESTED MATERIALS ACCEPTANCE GUIDE  (Revised November 2023)					Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	ASTM	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00535 - POST-INSTALLED ANCHOR SYSTEMS</b>									
<b>Resin Bonded Anchor System</b>									
Anchor Bolts, reinforcing steel and resin (Polyester, vinyl ester or epoxy)	<i>Materials must meet the requirements of Section 00535.10(a)</i>				A Sublot equals 50 Anchors				
	Strength of Anchors in Concrete Elements		E 488	5189	One demonstration Test includes 3 anchors (Resin shall be from same lot)	Visual			
Production Testing (See Section 00535.45(b))	Strength of Anchors in Concrete Elements		E 488	5189	<sup>(A)</sup> 1 Anchor/Sublot or portion thereof (Minimum 1/Shift)	Visual per Sublot			
<sup>(A)</sup> Anchor testing is required per critical element identified in the Special Provisions or Plan Drawings.									





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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	ASTM	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00535 - POST-INSTALLED ANCHOR SYSTEMS (continued)</b>										
<b>Mechanical Anchor System</b>										
Mechanical Anchors	<i>Materials must meet the requirements of Section 00535.10(b)</i>				A Sublot equals 50 Anchors					
<b>Anchor Installation</b>										
Demonstration Testing (See Section 00535.45(a))	Strength of Anchors in Concrete Elements		E 488		5292	One demonstration Test includes 3 anchors	Visual			
Production Testing (See Section 00535.45(b))	Strength of Anchors in Concrete Elements		E 488		5292	<sup>(A)</sup> 1 Anchor/Sublot or portion thereof (Minimum 1/Shift)	Visual per Sublot			
<sup>(A)</sup> Anchor testing is required per critical element identified in the Special Provisions or Plan Drawings.										





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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
SECTION 00540 - STRUCTURAL CONCRETE (CONTINUED)			TM 2						
Portland Cement Concrete					A Sublot equals 100 yd <sup>3</sup>				
(1) AASHTO T 196 required for lightweight concrete	Sampling Concrete				T 152	3573WS or 4000C	1 per Sublot per Mix Design, minimum 1 per day		1 per 5 Sublots, minimum 1 per mix design
	(1) Air Content of Concrete				T 119				
	Slump of Concrete				T 309				
	Concrete Temperature				T 121				
	Density (Unit Weight) of Concrete				T 121				
	Yield				T 121				
	Water/Cement Ratio								
	Fabrication of Concrete Cylinders/Beams				R 100				
	Compressive Strength of Concrete <sup>(S)</sup>		T 22	4000C					
(S) ASTV based on a minimum of 3 Cylinders									
Aggregates Cement Chemical Admixtures Supplementary Cementitious Materials Synthetic Fiber Reinforcing	Materials listed on batch ticket must match approved design								

FIELD TESTED MATERIALS ACCEPTANCE GUIDE 					(Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00556 - MULTI-LAYER POLYMER CONCRETE OVERLAY</b>										
Aggregate Production	Moisture Content of Aggregate & Soil			T 255/265						
					1792	At time of mixing the polymer resin. See 00556.10-b				
Polymer Resin	Material must meet the requirements of section 00556.10									


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		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00557 - PREMIXED POLYMER CONCRETE OVERLAYS										
Resin Primer		Material must meet the requirements of section 00557.10								
Polyester Resin Binder Including (Initiator, Accelerators & Inhibitors)		Material must meet the requirements of section 00557.12 (a-c)								
Aggregate Production Product Compliance  (Submitt 2- 50 lb. samples of blended aggregate (00557.02)during the trial overlay)	Specific Gravity of Coarse Aggregate Specific Gravity of Fine Aggregate Sieve Analysis Moisture Content of Aggregate & Soil Fracture (Method 1)  Moisture Content of Aggregate & Soils Sieve Analysis  ( <sup>1</sup> ) Moisture Content of Aggregate & Soils  Sieve Analysis  Density (Unit Weight) of Concrete  Static Modulus of Elasticity				T 85					
					T 84					
					T 27/11 T 255/265	4000	1/Project and Source	Submit to Lab		See Section 00557.12(d)
					T 335					
					T 255/265	1792	During the Trial Overlay Strip			
					T 27/11					
					T 255/265		During Production			
					T 27/11	1792	1/Project and Source			
Premixed Polymer Concrete		TM 759			T 121	3573WS	( <sup>B</sup> ) 1/Batch			
						4000C	( <sup>M</sup> ) Minimum 1 set/batch			
							1 set per 10 batches placed or minimum 1 set/day	Submit to Lab		See section 00557.44(e)
<sup>(M)</sup> 1 set Represents a minimum of 3 (4"x8") cylinders cast per 00557.44(e)										
<sup>(B)</sup> Batch is defined "Per Mixer or Portion placed".										


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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE							
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification						
							Project Manager	Region Quality Assurance	Materials Laboratory				
SECTION 00559 - STRUCTURAL CONCRETE OVERLAYS													
Aggregate Production						A Sublot equals 500 Tons. A minimum one per shift, whichever results in the greatest sampling frequency. (For preproduced aggregates, 1 shift shall mean 500 Tons.)							
<div><div><div><sup>(1)</sup> QAE may waive after 5 sublots/shifts</div><div><sup>(2)</sup> Perform a minimum of 3 tests, QL's required</div><div><sup>(3)</sup> Coarse Aggregate (See Section 02690.20)</div><div><sup>(4)</sup> Fine Aggregate (See Section 02690.30)</div></div><div><div><sup>(1)(3)</sup> Wood Particles</div><div><sup>(4)</sup> Sieve Analysis</div><div><sup>(4)</sup> Fineness Modulus</div><div><sup>(4)</sup> Sand Equivalent</div></div><div><div><sup>(1)(3)</sup> Wood Particles</div><div>Abrasion</div><div>Degradation</div><div>Soundness</div><div>Lightweight Pieces</div><div>Organics</div></div><div><div><sup>(3)</sup> Dry Rodded Unit Weight</div><div><sup>(3)</sup> Specific Gravity of Coarse Aggregate</div><div><sup>(4)</sup> Specific Gravity of Fine Aggregate</div></div></div>	<div><div><div>Sampling Aggregates</div><div>Reducing Aggregates</div><div><sup>(2)(3)(4)</sup> Sieve Analysis</div><div><sup>(4)</sup> Fineness Modulus</div><div><sup>(4)</sup> Sand Equivalent</div></div><div><div><sup>(1)(3)</sup> Wood Particles</div></div><div><div>Abrasion</div><div>Degradation</div><div>Soundness</div><div>Lightweight Pieces</div><div>Organics</div></div><div><div><sup>(3)</sup> Dry Rodded Unit Weight</div><div><sup>(3)</sup> Specific Gravity of Coarse Aggregate</div><div><sup>(4)</sup> Specific Gravity of Fine Aggregate</div></div></div>	TM 225		<div><div>R 90</div><div>R 76</div><div>T 27/T 11</div><div>T 27/T 11</div><div>T 176</div></div>			1/Sublot		1 per 10 Sublots				
					1792								
					1792								
					1792	1/5 Sublots							
					4000	See Section 4(A)					Submit to Central Lab		See Section 4(A)
					4000								
					1825	Start of production and when changes in aggregate occurs							
					1825C								
					1825								


FIELD TESTED MATERIALS ACCEPTANCE GUIDE  (Revised November 2023)					Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00559 - STRUCTURAL CONCRETE OVERLAYS (CONTINUED)</b>									
<b>Portland Cement Concrete</b>						A subplot equals 20 yd <sup>3</sup>			
<sup>(1)</sup> AASHTO T 196 required for lightweight concrete  <sup>(S)</sup> ASTV based on a Minimum of 3 Cylinders	Sampling Concrete		TM 2		3573W S or 4000 C	1 per Sublot per mix design, minimum 1 per day		1 per 5 Sublots, minimum 1 per mix design	
	<sup>(1)</sup> Air Content of Concrete			T 152					
	Slump of Concrete			T 119					
	Concrete Temperature			T 309					
	Density (Unit Weight) of Concrete			T 121					
Yield	T 121								
Water/Cement Ratio									
	Fabrication of Concrete Cylinders/Beams			R 100	4000C				
	Compressive Strength of Concrete <sup>(S)</sup>			T 22					
Aggregates	Materials listed on batch ticket must match approved design								
Cement									
Chemical Admixtures									
Supplementary Cementitious Materials									
Synthetic Fiber Reinforcing									


FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00590 - POLYMER MEMBRANE				T 255/265						
Broadcast Aggregate	Moisture Content of Aggregates & Soils				1792	Test at time of packaging and shipment. See Section 00590.10-c				
	Moisture Content of Aggregates & Soils				1792	Field Test at time of Mixing Polymer Resin. See Section 00590.10-c				





FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)	Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST				FORM 734-	QUALITY ASSURANCE				
		TEST METHOD				Contractor Quality Control	Independent Assurance/Verification			
		ODOT	WAQTC	AASHTO			Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00596A - MECHANICALLY STABILIZED EARTH RETAINING WALLS										
Aggregate Production										
Gravel Leveling Pads Backfill (See Section 02630.10)	Abrasion Degradation	TM 208		T96	4000	See Section 4A	Submit to Lab		See Section 4A	
					A Sublot equals 1,000 Tons Minimum 1/Project					
	Sampling Aggregates			R 90		1/Sublot				
	Reducing Aggregates			R 76						
	Sieve Analysis			T 27						
	Un-washed									
	Sand Equivalent			T 176						
	Fracture (Method 1)			T 335	1792	1/5 Sublots				
					Testing Frequency for Product Compliance per Source 1/5,000 Tons Minimum 1/Project					
	<sup>(3)</sup> Modular Block Core and Backfill (Product Compliance)	Soundness	TM 208		T 104	4000	See Section 4C & 02690	Submit To Lab		See Section 4C
Abrasion		T 96								
Lightweight Pieces		T 113			4000					
<sup>(3)</sup> (See Section 2690.20(a) thru 2690.20(d) & 2690.20(f)										
					A Sublot equals 1,000 Tons					
<sup>(3)</sup> Modular Block Core and Drainage Backfill  <sup>(1)</sup> QAE may waive after 5 sublots/shifts  <sup>(2)</sup> Perform a minimum of 3 tests, QL's required	Sampling Aggregates	TM 225		R 90		1/Sublot				
	Reducing Aggregates			R 76						
	<sup>(2)</sup> Sieve Analysis			T 27/T 11						
	<sup>(1)</sup> Wood Particles									
	Fracture (Method 2)			T 335						
Elongated Pieces	TM 229	1792								
Pipe Drain Backfill (Product Compliance) (See Section 00430.11)	Abrasion	TM 208		T 96	4000	See Section 4C	Submit To Lab		See Section 4C	
	Degradation									
	Sieve Analysis			T27	4000	1/Sublot				
	Un-washed									


FIELD TESTED MATERIALS ACCEPTANCE GUIDE 					(Revised November 2023)		Same Frequency for all Tests (Minimums)		
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00596A - MECHANICALLY STABILIZED EARTH RETAINING WALLS</b>									
<b>Aggregate Production</b>					Testing Frequency for Product Compliance per Source 1/5,000 Tons Minimum 1/Project				
Gabion Basket Fill (Product Compliance) (See Section 00390.11(b))  (1) Apparent Specific Gravity and Absorption	Degradation Soundness Specific Gravity of Coarse Aggregates           Gradation	TM 208		T 104 (1) T 85	4000	See Section 4C	Submit to		See Section 4C
					1825		Lab		
						Visual			


FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00596A - MSE RETAINING WALLS										
Aggregate Production					Testing Frequency for Product Compliance per Source 1/5,000 Tons Minimum 1/Project					
MSE Granular Wall Backfill (Product Compliance) (Also reference 02630.10)	Abrasion Degradation Sieve Analysis Plasticity Index pH of Soil Soil Resistivity Organic Content	TM 208		T96  T 11 T 90 T 289 T 288 T 267	4000      4000	See Section 4C	Submit to Central Lab		See Section 4C	
					A Sublot Equals 2,000 Tons					
MSE Granular Wall Backfill  <sup>(1)</sup> Perform a minimum of 3 tests, QL's required	Sampling Aggregates Reducing Aggregates <sup>(1)</sup> Sieve Analysis Un-Washed Sand Equivalent			R 90 R 76 T 27  T 176	  1792      1792	1/Sublot    1/5 Sublots				
Placement Establishing Maximum Density  <sup>(2)</sup> Method A	Fracture (Method 1)  Density Curve  Specific Gravity of Coarse Aggregates  Agg. Base Coarse Particle Correction	TM 223		<sup>(2)</sup> T 99  T 85	3468    3468	1/Aggregate Gradation/Per Source				
Compaction	Nuclear Density of Soils/Aggregates  Deflection Testing	TM 158		T 310	1793B  1793B	1/ 100 yd3 (Minimum 1/day)  1 per layer		<sup>(3)</sup> Visual		
<sup>(3)</sup> See Section 00596A.47(c-5)		Contractor must demonstrate, by compaction testing or acceptable visual means, that the material, equipment, and process used for compaction achieves the specification requirements. If the material, equipment, or process changes, or if other conditions indicate a non-specification product, the Contractor must re-demonstrate that specification requirements are being achieved.								

FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST				FORM 734-	QUALITY ASSURANCE				
		TEST METHOD				Contractor Quality Control	Independent Assurance/Verification			
		ODOT	WAQTC	AASHTO			Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00596B - PREFABRICATED MODULAR RETAINING WALLS										
Aggregate Production Gravel Leveling Pads Backfill (See Section 02630.10)										
	Abrasion Degradation	TM 208		T96	4000	See Section 4A	Submit to Lab		See Section 4A	
					A Sublot equals 1,000 Tons Minimum 1/Project					
	Sampling Aggregates			R 90						
	Reducing Aggregates			R 76						
	Sieve Analysis			T 27						
	Un-Washed Sand Equivalent			T 176						
	Fracture (Method 1)			T 335	1792	1/Sublot				
					1792	1/5 Sublots				
					Testing Frequency for Product Compliance per Source 1/5,000 Tons Minimum 1/Project					
	<sup>(3)</sup> Modular Block Core and Backfill (Product Compliance)	Soundness	TM 208		T 104	4000	See Section 4C & 02690	Submit To Lab		See Section 4C
Abrasion Degradation		T 96								
	Lightweight Pieces	T 113			4000					
<sup>(3)</sup> (See Section 2690.20(a) thru 2690.20(d) & 2690.20(f))					A Sublot equals 1,000 Tons					
<sup>(3)</sup> Modular Block Core and Drainage Backfill	Sampling Aggregates	TM 225		R 90		1/Sublot				
	Reducing Aggregates			R 76						
	<sup>(2)</sup> Sieve Analysis			T 27/T 11						
	<sup>(1)</sup> Wood Particles			T 335						
<sup>(1)</sup> QAE may waive after 5 sublots/shifts	Fracture (Method 2)	TM 229			1792					
	Elongated Pieces				1792					
<sup>(2)</sup> Perform a minimum of 3 tests, QL's required										
Pipe Drain Backfill (Product Compliance) (See Section 00430.11)	Abrasion Degradation	TM 208		T 96	4000	See Section 4C	Submit To Lab		See Section 4C	
	Sieve Analysis Un-Washed			T27	4000	1/Sublot				


FIELD TESTED MATERIALS ACCEPTANCE GUIDE 					(Revised November 2023)		Same Frequency for all Tests (Minimums)		
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00596B - PREFABRICATED MODULAR RETAINING WALLS</b>									
<b>Aggregate Production</b>					Testing Frequency for Product Compliance per Source 1/5,000 Tons Minimum 1/Project				
Gabion Basket Fill (Product Compliance) (See Section 00390.11(b))  <sup>(1)</sup> Apparent Specific Gravity and Absorption	Degradation Soundness Specific Gravity of Coarse Aggregates           Gradation	TM 208		T 104 <sup>(1)</sup> T 85	4000	See Section 4C	Submit to Lab		See Section 4C
					1825				


FIELD TESTED MATERIALS ACCEPTANCE GUIDE				 (Revised November 2023)		Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00596B - PREFABRICATED MODULAR RETAINING WALLS										
Aggregate Production					Testing Frequency for Product Compliance per Source 1/5,000 Tons Minimum 1/Project					
Retaining Wall Granular Backfill (Product Compliance) (Also reference 02630.10)	Abrasion	TM 208		T96	4000	See Section 4C	Submit to Central Lab		See Section 4C	
	Degradation			T 11						
	Sieve Analysis			T 90	4000					
	Plasticity Index									
					A Sublot Equals 2,000 Tons					
Retaining Wall Granular Backfill  ( <sup>1</sup> ) Perform a minimum of 3 tests, QL's required	Sampling Aggregates			R 90						
	Reducing Aggregates			R 76						
	( <sup>1</sup> ) Sieve Analysis			T 27						
	Un-Washed Sand Equivalent			T 176	1792					1/Sublot
	Fracture (Method 1)			T 335	1792					1/5 Sublots
Placement  Establishing Maximum Density ( <sup>2</sup> ) Method A	Density Curve	TM 223		( <sup>2</sup> ) T 99	3468	1/Aggregate Gradation/Per Source				
	Specific Gravity of Coarse Aggregates			T 85						
	Agg. Base Coarse Particle Correction				3468					
Compaction	Nuclear Density of Soils/Aggregates	TM 158		T 310	1793B	1/ 100 yd3 (Minimum 1/day)	( <sup>3</sup> ) Visual			
	Deflection Testing				1793B	1 per layer				
( <sup>3</sup> ) See Section 00596B.47(b-6)	Contractor must demonstrate, by compaction testing or acceptable visual means, that the material, equipment, and process used for compaction achieves the specification requirements. If the material, equipment, or process changes, or if other conditions indicate a non-specification product, the Contractor must re-demonstrate that specification requirements are being achieved.									


FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)	Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST				FORM 734-	QUALITY ASSURANCE				
		TEST METHOD				Contractor Quality Control	Independent Assurance/Verification			
		ODOT	WAQTC	AASHTO			Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00596C - CAST-IN-PLACE CONCRETE RETAINING WALLS										
Aggregate Production										
Pipe Drain Backfill (Product Compliance) (See Section 00430.11)	Abrasion Degradation	TM 208		T 96	4000	See Section 4C	Submit To Lab		See Section 4C	
	Sampling Aggregates			R 90						
	Reducing Aggregates			R 76						
	Sieve Analysis Un-Washed			T27	4000					1/Sublot
Retaining Wall Granular Backfill					Testing Frequency for Product Compliance per Source 1/5,000 Tons Minimum 1/Project					
Retaining Wall Granular Backfill (Product Compliance) (Also reference 02630.10)	Abrasion Degradation Sieve Analysis Plasticity Index	TM 208		T96	4000	See Section 4C	Submit to Central Lab		See Section 4C	
				T 11						
				T 90	4000					
Retaining Wall Granular Backfill  ( <sup>1</sup> ) Perform a minimum of 3 tests QL's required	Sampling Aggregates Reducing Aggregates  ( <sup>1</sup> ) Sieve Analysis Un-Washed  Fracture (Method 1)			R 90	A Sublot Equals 2,000 Tons					
				R 76	1/Sublot					
				T 27						1792
					T 335	1792	1/5 Sublots			


FIELD TESTED MATERIALS ACCEPTANCE GUIDE 					(Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00596C - CAST-IN-PLACE CONCRETE RETAINING WALLS</b>										
<b>Placement</b>										
<i>Retaining Wall Granular Backfill</i>										
Establishing Maximum Density	Density Curve			(1) T 99	3468	1/Aggregate Gradation/Per Source				
(1) Method A	Specific Gravity of Coarse Aggregates			T 85						
	Agg. Base Coarse Particle Correction	TM 223			3468					
Compaction	Nuclear Density of Soils/Aggregates			T 310	1793B	1/ 100 yd3 (Minimum 1/day)				
(2) See Section 00596C.42(f)	Deflection Testing	TM 158			1793B	1 per layer	(2) Visual			
<b>Contractor must demonstrate, by compaction testing or acceptable visual means, that the material, equipment, and process used for compaction achieves the specification requirements. If the material, equipment, or process changes, or if other conditions indicate a non-specification product, the Contractor must re-demonstrate that specification requirements are being achieved.</b>										





FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00635 - GRID-ROLLED AGGREGATE SUBBASE</b>										
<b>Aggregate Subbase</b> Grading (See 00635.10)	Abrasion			T 96	4000	1/Source	Submit To Central Lab		See Section 4(A)	
	Sampling Aggregates			R 90		1/Sublot				
	Reducing Aggregates			R 76						
	Sieve Analysis			T 27						
	Un-Washed									
Sand Equivalent			T 176	1792						


FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)	Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality	Materials Laboratory	
							Assurance			
SECTION 00641 - AGGREGATE SUBBASE, BASE, AND SHOULDERS										
Aggregate Production Aggregate Subbase Grading (See 00641.10(b))	Abrasion			T 96	4000	See Sec. 4A	Submit To Central Lab		See Section 4(A)	
	Sampling Aggregates			R 90		1/Project or 1/Source	Visual			
	Reducing Aggregates			R 76						
	Sieve Analysis			T 27	1792					
	Un-Washed Sand Equivalent			T 176						
Aggregate Base and Shoulders  Grading Aggregate Base (See 02630) Aggregate Shoulder (See 02640) Open Graded Aggregate Base (See 02630.11)  (1) Perform at least 3 tests (2) May be waived by QAE	Abrasion Degradation	TM 208		T96	4000	See Section 4A	Submit to Lab		See Section 4A	
A Sublot equals 2000 Tons										
	Sampling Aggregates			R 90		1/Sublot		1 per 10 Sublots		
	Reducing Aggregates			R 76						
	(1) Sieve Analysis			T 27	1792					
	Un-Washed			T 176						
	(2) Sand Equivalent					1/5 Sublots				
	Fracture (Method 1)			T 335	1792					
Placement Aggregate Base Plant Mix Applications Only Aggregate (Mixture)  Establishing Maximum Density & Optimum Moisture (Mix Design)  (3) Method A						A Sublot equals 2000 Tons				
	Sampling Aggregates			R 90		1/Sublot or minimum 1/Day		1 per 10 Sublots		
	Reducing Aggregates			R 76						
	Moisture Content of Aggregates & Soils			T 255/265	1792					
		Density Curve	TM 223		(3) T 99	3468 B	Each Size per Source		1/Project	
	Agg. Base Coarse									
	Particle Correction			T 85	3468 B					
Compaction  (D) (Individual tests must meet Specification)						A Compaction Sublot Equals 400 Tons				
	Deflection Testing	TM 158		T 310	1793B	(D) 1 per Sublot		(D) 1 (5 Tests) per 50 Sublots (Minimum 5 tests)		
	Nuclear Density of Soils/Aggregates									


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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00641 - AGGREGATE SUBBASE, BASE, AND SHOULDERS (Continued)</b>										
<b>Placement</b>										
Aggregate Subbase										
Compaction	<i>Deflection Testing</i>	<i>TM 158</i>			<i>1793 B</i>	<i>1 per Layer</i>	<i>Visual</i>			

FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality	Materials Laboratory	
								Assurance		
SECTION 00680 - STOCKPILED AGGREGATES		TM 208		T 96						
Aggregate Base and Shoulders (See Section 00641)	Abrasion Degradation				4000	See Section 4A	Submit to Lab			See Section 4A
(1) Perform at least 3 tests, QL's required	Sampling Aggregates				1792	1/Sublot		1 per 10 Sublots		
	Reducing Aggregates									
	(1) Sieve Analysis									
	Un-Washed									
	(2) Sand Equivalent									
(2) May be waived by QAE	Fracture (Method 1)				T 176	1792				
					T 335	1792	1/5 Sublots			
Aggregate (Sanding Aggregate)		TM 227		R 90 R 76 T 27		A Sublot equals 1000 Tons				
(1) May be waived by QAE	Sampling Aggregates				1792	1/Sublot		1 per 10 Sublots		
	Reducing Aggregates									
	Sieve Analysis									
	Un-Washed									
	(1) Cleanness Value									
	Abrasion Degradation				4000	See Section 4A	Submit to Lab		See Section 4A	
	Lightweight Pieces									
										T 96
	Fracture (Method 1)				1792	1/5 Sublots		1 per 10 Sublots		
	Elongated Pieces									
	Wood Particles									


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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE						
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification					
							Project Manager	Region Quality Assurance	Materials Laboratory			
<b>SECTION 00680 - STOCKPILED AGGREGATES (CONTINUED)</b>												
<b>Emulsified AC Aggregate</b> Aggregate Production  (See Sections 00705, 00706, 00710, 00711, 00712 and 00715)  (1) QAE may waive after 5 sublots/shifts   (2) Perform at least 3 tests (QL's required), QAE may waive wet sieve after 5 sublots/shifts if a correlation to dry sieve can be demonstrated  (3) May be waived by QAE  (4) Not required for Dry Key Material (5) 1/5 Sublots & Start of Production  <b>Aggregate (Other)</b>	Abrasion Degradation Soundness Lightweight Pieces Dry Rodded Unit Weight  Sampling Aggregates Reducing Aggregates (5) Fracture (Method 1) (1) Wood Particles (1)(4) Elongated Piece (2) Sieve Analysis (3) Cleanness Value  Dry Rodded Unit Weight	TM 208           TM 225 TM 229  TM 227				A subplot equals 500 Tons. A minimum 1 per shift, whichever results in the greatest sampling frequency						
						T 96	4000	See Section 4A	Submit to Lab		See Section 4A	
						T 104						
						T 113						
						T 19	4000					
						R 90		1/Sublot		1 per 10 Sublots		
						R 76						
						T 335	1792					
						T27/T 11	1792					
						T 19	1825 1825C	Start of production and when changes in aggregate occurs				
						Use sampling and testing frequencies required for proposed end product use						


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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00705 - EMULSIFIED ASPHALT PRIME COAT and EMULSIFIED ASPHALT FOG COAT										
Aggregate Production						A subplot equals 1000 Tons. A minimum 1 per shift				
Aggregate Cover Material	Sampling Aggregates Reducing Aggregates Sieve Analysis Un-Washed			R 90 R 76 T 27		1/Sublot		1 per 10 Sublots		
					1792					
Asphalt Prime and Fog Coat										
Asphalt Cement (Emulsion)	Sampling Asphalt Materials			R 66		4000	See Section 4C 1/50 Tons (Submit All)	Submit to Central Lab	1/5 QC Samples (Random)	
SECTION 00706 - EMULSIFIED ASPHALT SLURRY SEAL SURFACING										
Aggregate Production						A subplot equals 500 Tons. A minimum 1 per shift whichever results in the greatest sampling frequency				
(1) Perform at least 3 tests, QL's required	Sampling Aggregates Reducing Aggregates (1) Sieve Analysis			R 90 R 76 T 27/T 11		1/Sublot				
					1792					
Emulsified Asphalt Cement										
Emulsified Asphalt Polymer Modified Emulsion	Sampling Asphalt Materials			R 66		4000	See Section 4C 1/50 Tons (Submit All)	Submit to Central Lab	1/5 QC Samples (Random)	
Additives Mineral Filler	Material must meet the requirements of Section 00706.13									
Mixture	Material must meet the requirements of Section 00706.16									


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MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE						
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification					
							Project Manager	Region Quality Assurance	Materials Laboratory			
SECTION 00710 - SINGLE APPLICATION EMULSIFIED ASPHALT SURFACE TREATMENT												
Aggregate Production						A subplot equals 500 Tons. A minimum 1 per shift, whichever results in the greatest sampling frequency						
<div>(1) QAE may waive after 5 sublots/shifts</div> <div>(2) Perform at least 3 tests (QL's required), QAE may waive wet sieve after 5 sublots/shifts if a correlation to dry sieve can be demonstrated</div> <div>(3) May be waived by QAE</div> <div>(4) Not required for Dry Key Material</div> <div>(5) 1/5 Sublots &amp; Start of Production</div>	Abrasion	TM 208		T 96	4000	See Section 4A	Submit to Central Lab			See Section 4A		
	Degradation			T 104								
	Soundness			T 113								
	Lightweight Pieces			T 19	4000							
	Dry Rodded Unit Weight											
	Sampling Aggregates	TM 225		R 90		1/Sublot			1 per 10 Sublots			
	Reducing Aggregates			R 76								
	(5) Fracture (Method 1)			T 335	1792							
	(1) Wood Particles											
	(1)(4) Elongated Piece											
	(2) Sieve Analysis	TM 229		T27/T 11		Start of production and when changes in aggregate occurs						
	(3) Cleanness Value	TM 227			1792							
	Dry Rodded Unit Weight			T 19	1825							
					1825C							
	Asphalt Cement (Emulsion)	Sampling Asphalt Materials		R 66	4000	1/50 Tons Submit All	Submit to Lab				1/5 QC Samples (Random)	
	Preproduced Aggregate											
Compliance of aggregates produced and stockpiled before the award date or notice to proceed of this contract will be determined by the following:												
1. Continuing production records meeting the above requirements of Section 00710.10 and 710.15, Aggregate Production.												
2. Furnish records of testing for the entire stockpile according to Section 00710.10 and 710.15 Aggregate Production except change the sampling frequency to the following:												
a. One Per 5 sublots means "One Set of Tests Per 2500 Tons".												
b. One Per subplot means "One Set of Tests Per 500 Tons" with a minimum of 3 sets of Sieve Analysis tests per project.												
c. Provide one stockpile sample for each set of tests required above.												


FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)	Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00711 - PRE-COATED AGGREGATE ASPHALT SURFACE TREATMENT										
Aggregate Production						A subplot equals 500 Tons. A minimum 1 per shift whichever results in the greatest sampling frequency				
<div><div>(1) QAE may waive after 5 sublots/shifts</div><div>(2) Perform at least 3 tests (QL's required), QAE may waive wet sieve after 5 sublots/shifts if a correlation to dry sieve can be demonstrated</div><div>(3) May be waived by QAE</div><div>(4) Not required for Dry Key Material</div><div>(5) 1/5 Sublots &amp; Start of Production</div></div>	Abrasion	TM 208		T 96	4000	See Section 4A	Submit to Central Lab		See Section 4A	
	Degradation			T 104						
	Soundness			T 113						
	Lightweight Pieces			T 19	4000					
	Dry Rodded Unit Weight									
	Sampling Aggregates	TM 225		R 90		1/Sublot		1 per 10 Sublots		
	Reducing Aggregates			R 76						
	(5) Fracture (Method 1)			T 335	1792					
	(1) Wood Particles	TM 229		T27/T 11						
	(1)(4) Elongated Piece									
	(2) Sieve Analysis									
	(3) Cleanness Value	TM 227			1792					
	Dry Rodded Unit Weight			T 19	1825	Start of production and when changes in aggregate occurs				
					1825C					
Asphalt Cement	Sampling Asphalt Materials			R 66	4000	1/50 Tons Submit All	Submit to Lab		1/5 QC Samples (Random)	
Preproduced Aggregate										
Compliance of aggregates produced and stockpiled before the award date or notice to proceed of this contract will be determined by the following: 1. Continuing production records meeting the above requirements of Section 00711.10 and 711.15, Aggregate Production. 2. Furnish records of testing for the entire stockpile according to Section 00711.10 and 711.15 Aggregate Production except change the sampling frequency to the following:  a. One Per 5 sublots means "One Set of Tests Per 2500 Tons". b. One Per subplot means "One Set of Tests Per 500 Tons" with a minimum of 3 sets of Sieve Analysis tests per project. c. Provide one stockpile sample for each set of tests required above.										





FIELD TESTED MATERIALS ACCEPTANCE GUIDE  (Revised November 2023)					Same Frequency for all Tests (Minimums)					
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00711 - PRE-COATED AGGREGATE ASPHALT SURFACE TREATMENT (CONTINUED)</b>										
<b>Mixture Acceptance</b>						A subplot equals 500 Tons. A minimum 1 per shift, whichever results in the greatest sampling frequency				
<i>Meter Method</i>	<i>Readings backed by Tank Measure &amp; Production Records Daily</i>	<i>TM 321</i>				2277	1/Sublot or Min. 1/Day			
<b>(1) ACP Plant Calibration Required at start of production and if meters fail to meet specification</b>		<b>(1) TM 322</b>				2043 & 2401	Daily Production			
	<i>Cold Feed Moisture</i>									
<i>Plant Discharge Moisture</i>	<i>ACP Moisture Content</i>			T 255/265		2277	1/Sublot or Min. 1/Day			
				T 329		2277	1/Sublot			
<i>Asphalt Cement</i>	<i>Sampling Asphalt Materials</i>			R 66		4000	1/50 Tons Submit All	Submit to Lab		1/5 QC Samples (Random)


FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00712 - DRY KEY EMULSIFIED ASPHALT SURFACE TREATMENT										
Aggregate Production						A subplot equals 500 Tons. A minimum 1 per shift, whichever results in the greatest sampling frequency				
<div><div><div><sup>(1)</sup> QAE may waive after 5 sublots/shifts</div><div><sup>(2)</sup> Perform at least 3 tests (QL's required), QAE may waive wet sieve after 5 sublots/shifts if a correlation to dry sieve can be demonstrated</div><div><sup>(3)</sup> May be waived by QAE</div><div><sup>(4)</sup> Not required for Dry Key Material</div><div><sup>(5)</sup> 1/5 Sublots &amp; Start of Production</div></div><div>Asphalt Cement (Emulsion)</div></div>	Abrasion	TM 208		T 96	4000	See Section 4A	Submit to Central Lab		See Section 4A	
	Degradation			T 104						
	Soundness			T 113						
	Lightweight Pieces			T 19	4000					
	Dry Rodded Unit Weight				R 90		1/Sublot	1 per 10 Sublots		
				R 76						
				T 335	1792					
		Sampling Aggregates			T 27/T 11	1792				
		Reducing Aggregates								
	<sup>(5)</sup> Fracture (Method 1)									
	<sup>(1)</sup> Wood Particles	TM 225								
	<sup>(1)(4)</sup> Elongated Piece	TM 229								
	<sup>(2)</sup> Sieve Analysis									
	<sup>(3)</sup> Cleanness Value	TM 227								
	Dry Rodded Unit Weight			T 19	1825 1825C	Start of production and when changes in aggregate occurs				


FIELD TESTED MATERIALS ACCEPTANCE GUIDE  (Revised November 2023)					Same Frequency for all Tests (Minimums)					
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00715 - MULTIPLE APPLICATION EMULSIFIED ASPHALT SURFACE TREATMENT</b>										
<b>Aggregate Production</b>						A subplot equals 500 Tons. A minimum 1 per shift, whichever results in the greatest sampling frequency				
(1) QAE may waive after 5 sublots/shifts (2) Perform at least 3 tests (QL's required), QAE may waive wet sieve after 5 sublots/shifts if a correlation to dry sieve can be demonstrated (3) May be waived by QAE (4) Not required for Dry Key Material (5) 1/5 Sublots & Start of Production	Abrasion Degradation Soundness Lightweight Pieces Dry Rodded Unit Weight	TM 208		T 96 T 104 T 113 T 19	4000 4000	See Section 4A	Submit to Central Lab		See Section 4A	
	Sampling Aggregates Reducing Aggregates (5) Fracture (Method 1) (1) Wood Particles (1)(4) Elongated Piece (2) Sieve Analysis (3) Cleanness Value	TM 225 TM 229 TM 227		R 90 R 76 T 335 T 27/T 11	1792 1792	1/Sublot		1 per 10 Sublots		
	Dry Rodded Unit Weight		T 19	1825 1825C	Start of production and when changes in aggregate occurs					
	Asphalt Cement (Emulsion)	Sampling Asphalt Materials		R 66	4000	1/50 Tons Submit All	Submit to Lab		1/5 QC Samples (Random)	
	<b>Preproduced Aggregate</b>									
	Compliance of aggregates produced and stockpiled before the award date or notice to proceed of this contract will be determined by the following: <ol style="list-style-type: none"> <li>Continuing production records meeting the above requirements of Section 00715.10 and 715.15, Aggregate Production.</li> <li>Furnish records of testing for the entire stockpile according to Section 00715.10 and 715.15 Aggregate Production except change the sampling frequency to the following:               <ol style="list-style-type: none"> <li>One Per 5 sublots means "One Set of Tests Per 2500 Tons".</li> <li>One Per subplot means "One Set of Tests Per 500 Tons" with a minimum of 3 sets of Sieve Analysis tests per project.</li> <li>Provide one stockpile sample for each set of tests required above.</li> </ol> </li> </ol>									

FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00720 - COLD IN-PLACE RECYCLED ASPHALT CONCRETE PAVEMENT (CIR)										
SECTION 00721 - COLD RECYCLED EMULSIFIED ASPHALT CONCRETE PAVEMENT (CRP)										
Asphalt Cement (Emulsified Recycling Agent)	Sampling Asphalt Materials			R 66	4000	See Section 4C 1/50 Tons (Submit All)	Submit to Central Lab		1/5 QC Samples (Random)	
				4000						
	Water			Compliance			See Sec.00340.10			
					A Sublot equals 1000 Tons					
Aggregate Production Choke Aggregate (See 00705)	Sampling Aggregates Reducing Aggregates Sieve Analysis Un-Washed			R 90 R 76 T 27		1/Sublot		Minimum 1/Project		
				1792						
SECTION 00725 - HOT IN-PLACE RECYCLED (HIR) ASPHALT CONCRETE PAVEMENT										
Recycling Agent (See 00745.11)	The type of recycling agent will be listed in the Special Provisions									
	Sampling Asphalt Materials			R 66	4000	See Section 4C	Submit to Lab			
	Recycling Agent	Sampling Asphalt Materials			R 66	4000	1/50 Tons			Submit to Lab
Asphalt Concrete Mixture						New Asphalt Concrete mixture will meet the requirements of Section 00744				
SECTION 00730 - ASPHALT TACK COAT										
Tack	Sampling Asphalt Materials			R 66	4000	See Section 4C 1/50 Tons	Submit to Lab		1/50 Tons or All QC Samples	


FIELD TESTED MATERIALS ACCEPTANCE GUIDE				(Revised November 2023)	Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
						Contractor Quality Control	Independent Assurance/Verification		
		ODOT	WAQTC	AASHTO			Project Manager	Region Quality Assurance	Materials Laboratory
SECTION 00735 - EMULSIFIED ASPHALT CONCRETE PAVEMENT									
Aggregate production  									


FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00735 - EMULSIFIED ASPHALT CONCRETE PAVEMENT (CONTINUED)										
Mixture Acceptance							A Sublot equals 1000 Tons of Mixture			
% Emulsified Asphalt	Sampling Aggregates Reducing Aggregates Sieve Analysis Moisture Content of Aggregate & Soil Meter	TM 321		R 90 R 76 T 27/T 11 T 255/265	2277	1/Sublot		1 per 10 Sublots		
% Emulsified Asphalt	Readings backed by Tank Measure & Production Records Daily	TM 321 (1) TM 322			2401 & 2043	Daily Production				
(1) ACP Plant Calibration Required at start of production and if meters fail to meet specification										
Emulsified Asphalt Cement	Sampling Asphalt Materials			R 66	4000	See Section 4C 1/Sublot (Submit All)	Submit to Lab	1 per 10 Sublots	1/5 QC Samples (Random)	
SECTION 00740 - COMMERCIAL ASPHALT CONCRETE PAVEMENT (CACP)										
	See Specifications when Testing is Required by Agency									


FIELD TESTED MATERIALS ACCEPTANCE GUIDE				 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
SECTION 00743 - POROUS ASPHALT CONCRETE (PAC)									
Aggregate Production  <i>(1)</i> QAE may waive after 5 sublots/shifts  <i>(2)</i> Not required for ATPB Mix  <i>(3)</i> Coarse Agg (+ No. 4)  <i>(4)</i> Fine Agg ( - No. 4)	Soundness Abrasion Degradation Lightweight Pieces Plasticity Index	TM 208		T 104 T 96  T 113 T 90	4000   4000	See Section 4A	Submit to Lab		See Section 4A
					A Sublot equals 1000 Tons. A minimum one per shift whichever results in the greatest sampling frequency				
				</					


FIELD TESTED MATERIALS ACCEPTANCE GUIDE					(Revised November 2023)	Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
						Contractor Quality Control		Independent Assurance/Verification		
		ODOT	WAQTC	AASHTO			Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00743 - POROUS ASPHALT CONCRETE (PAC) (CONTINUED)										
Mixture Acceptance - PAC with RAP										
Gradation		TM 323		A Sublot equals 1000 Tons						
Ignition method	(1) Calibrate Incinerator			R 97 R 47	2327IC	1/JMF & Each Calendar Year.				
Ignition method	Sampling (ACP) Reducing (ACP)					1/Sublot or Min. 1/Day				
(Residual aggregate from AASHTO T 308)	Sieve Analysis of Extracted Aggregate				T 30	2277				
(1) Submit Samples a minimum of 2 Days Prior to ACP Production										
Asphalt Content				TM 323		A Sublot equals 1000 Tons				
Ignition Method	Sampling (ACP) Reducing (ACP)  Asphalt Content	R 97 R 47  T 308	2327IC			1/JMF & Each Calendar Year.				
Ignition Method						1/Sublot or Min. 1/day				
			2277							
Meter Method	Readings backed by Tank Measure & Production Records Daily	TM 321 (2) TM 322	2277			1/Sublot or Min. 1/day				
(2) ACP Plant Calibration Required at start of production and if meters fail to meet specification			2043 & 2401			Daily Production				
Meter Method is required for PAC even when acceptance is by Ignition Method										





FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE					
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification				
							Project Manager	Region Quality Assurance	Materials Laboratory		
SECTION 00743 - POROUS ASPHALT CONCRETE (PAC) (CONTINUED)											
Mixture Acceptance - PAC without RAP											
Gradation					A Sublot equals 1000 Tons						
Cold Feed Method	Sampling Aggregates Reducing Aggregates Sieve Analysis	TM 323			R 90 R 76 T 27/T 11		1/Sublot or Min. 1/Day				
					2277						
Ignition method	(1) Calibrate Incinerator				2327IC	1/JMF & Each Calendar Year.					
Ignition method	Sampling (ACP) Reducing (ACP)				R 97 R 47	1/Sublot or Min. 1/Day					
(1) Not required if Asphalt Content Accepted by Meter											
(Residual aggregate from AASHTO T 308)	Sieve Analysis of Extracted Aggregate				T 30	2277	1/Sublot or Min. 1/day				
(1) Submit Samples a minimum of 2 Days Prior to ACP Production											
Asphalt Content					A Sublot equals 1000 Tons						
Ignition Method	(1) Calibrate Incinerator	TM 323				2327IC	1/JMF & Each Calendar Year.				
Ignition Method	Sampling (ACP) Reducing (ACP)				R 97 R 47		1/Sublot or Min. 1/day				
(2) ACP Plant Calibration Required at start of production and if meters fail to meet specification	Asphalt Content				T 308	2277					
Meter Method	Readings backed by Tank Measure & Production Records Daily	TM 321 (2) TM 322				2277	1/Sublot or Min. 1/day				
Meter Method is required for PAC even when acceptance is by Ignition Method						2043 and 2401	Daily Production				


FIELD TESTED MATERIALS ACCEPTANCE GUIDE							(Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE						
						Contractor Quality Control	Independent Assurance/Verification					
		ODOT	WAQTC	AASHTO			Project Manager	Region Quality Assurance	Materials Laboratory			
SECTION 00743 - POROUS ASPHALT CONCRETE (PAC) (CONTINUED)												
Mixture Acceptance - PAC with and without RAP												
Mix Design Verification Testing					A Sublot equals 1000 Tons							
Cold Feed Moisture	ACP Moisture Content	TM321 (2) TM 322		T255/T265	2277	1/Sublot or Min. 1/Day						
					2277	1/Sublot or Min. 1/Day						
Plant Discharge Moisture	(1) RAP Moisture			T 329	2277	1/Sublot or Min. 1/Day						
(1) RAP Percentage	Readings backed by Tank Measure & Production Records Daily			T 329	2277	1/Sublot or Min. 1/Day						
(1) If applicable												
	Sampling Asphalt Materials	R 66	2401 & 2043	Daily Production								
Asphalt Cement			4000	1/Sublot - See section 4C					Submit to Lab		1/5 QC Samples (Random)	
(2) ACP Plant Calibration Required at start of production and if meters fail to meet specification												


FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)	Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST				FORM 734-	QUALITY ASSURANCE				
		TEST METHOD				Contractor Quality Control	Independent Assurance/Verification			
		ODOT	WAQTC	AASHTO			Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00744 - ASPHALT CONCRETE PAVEMENT										
Aggregate Production		See Specifications when Aggregate Testing is Required by the Agency								
Mixture Acceptance										
Gradation				A Sublot equals 1000 Tons						
Ignition method	(1) Calibrate Incinerator	TM 323			2327IC	1/JMF & Each Calendar Year.				
Ignition method	Sampling (ACP) Reducing (ACP)			R 97 R 47		1/Sublot or Min. 1/Day				
(Residual aggregate from AASHTO T 308)	Sieve Analysis of Extracted Aggregate			T 30	2277	1/Sublot or Min. 1/Day				
(1) Submit Samples a minimum of 2 Days Prior to ACP Production										
Asphalt Content				A Sublot equals 1000 Tons						
Ignition Method	(1) Calibrate Incinerator	TM 323			2327IC	1/JMF & Each Calendar Year.				
Ignition Method	Sampling (ACP) Reducing (ACP)			R 97 R 47		1/Sublot or Min. 1/day				
	Asphalt Content			T 308	2277					
Mix Design Verification Testing				A Sublot equals 1000 Tons						
Plant Discharge Moisture	ACP Moisture Content			T 329	2277	1/Sublot				
Maximum Density Test G <sub>mm</sub>	Max. Specific Gravity MAMD	TM 305		T 209	2050	1st Sublot Daily or Min. 1/Day				

FIELD TESTED MATERIALS ACCEPTANCE GUIDE							(Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE						
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification					
							Project Manager	Region Quality Assurance	Materials Laboratory			
SECTION 00744 - ASPHALT CONCRETE PAVEMENT (CONTINUED)					T 355							
Compaction  												

FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00745 - ASPHALT CONCRETE PAVEMENT - STATISTICAL ACCEPTANCE										
<b>Aggregate Production</b>  <i>(1) QAE may waive after 5 sublots/shifts</i>  <i>(2) Perform a minimum of 3 tests QL's required</i>  <i>(3) Coarse Agg (+ No. 4)</i>  <i>(4) Fine Agg (- No. 4)</i>  <i>Note: Sample Aggregate before Lime Treatment</i>	Soundness	TM 208		T 104	4000	See Section 4A	Submit to Lab		See Section 4A	
	Abrasion			T 96						
	Degradation									
	Lightweight Pieces			T 113						
	Plasticity Index			T 90						
							A Sublot equals 1000 Tons. A minimum one per shift whichever results in the greatest sampling frequency			
		Sampling Aggregates		R 90		1/Sublot		1 per 10 Sublots		
		Reducing Aggregates		R 76						
		(2)(3)(4) Sieve Analysis		T 27/T 11						
		(1)(4) Sand Equivalent		T 176	1792					
	(1)(3) Elongated Piece	TM 229								
	(3)(4) Fracture (Method 2)		T 335	1792	1/5 Sublots					
	(1)(3) Wood Particles	TM 225								
<b>RAS Production</b> (Reclaimed Asphalt Shingles)	Sieve Analysis			T 27		1 / 500 Tons	Submit to Lab			
	Un-Washed									
	Deleterious Materials	TM 335								
		Sampling Aggregates		R 90		1 / 50 Tons				
	Reducing Aggregates		R 76							
	Sieve Analysis		T 27							
	Un-Washed			1792						
	Deleterious Materials	TM 335								
Preproduced Aggregate										
Compliance of aggregates produced and stockpiled before the award date or notice to proceed of this contract will be determined by the following:										
1. Continuing production records meeting the above requirements of Section 00745.10 Aggregate Production.										
2. Furnish records of testing for the entire stockpile according to Section 00745.10 Aggregate Production except change the sampling frequency to the following:										
a. One Per 5 sublots means "One Set of Tests Per 5000 Tons".										
b. One Per subplot means "One Set of Tests Per 1000 Tons" with a minimum of 3 sets of Sieve Analysis tests per project.										
c. Provide one stockpile sample for each set of tests required above.										


FIELD TESTED MATERIALS ACCEPTANCE GUIDE							(Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE						
						Contractor Quality Control	Independent Assurance/Verification					
		ODOT	WAQTC	AASHTO			Project Manager	Region Quality Assurance	Materials Laboratory			
SECTION 00745 - ASPHALT CONCRETE PAVEMENT - STATISTICAL ACCEPTANCE (CONTINUED)												
Mixture Acceptance - ACP " With and Without RAP"				A Sublot equals 1000 Tons								
Gradation												
Ignition method	(1) Calibrate Incinerator	TM 323				2327IC	1/JMF & Each Calendar Year.			1/JMF & Each Calendar Year.		
Ignition method	Sampling (ACP)				R 97							
(Residual aggregate from AASHTO T 308)	Reducing (ACP)				R 47		1/Sublot			1 per 10 Sublots		
	Sieve Analysis of Extracted Aggregate				T 30	2277						
(1) Submit Samples a minimum of 2 Days Prior to ACP Production												
Asphalt Content					A Sublot equals 1000 Tons							
Ignition Method	(1) Calibrate Incinerator	TM 323				2327IC	1/JMF & Each Calendar Year.			1/JMF & Each Calendar Year.		
Ignition Method	Sampling (ACP)				R 97							
	Reducing (ACP)				R 47		1/Sublot or Min. 1/day			1 per 10 Sublots		
	Asphalt Content				T 308	2277						
(2) RAP and RAS Percentage	Meter Method	TM 321				2277						
(2) If Applicable		(3) TM 322					1/Sublot or Minimum 1/Day			1 per 10 Sublots		
(3) ACP Plant Calibration Required at start of production and if meters fail to meet specification	(2) RAP and RAS Moisture				T 329							
	Cold Feed Moisture				T255/T265	2277						
	Readings backed by Tank Measure & Production Records Daily	TM 321 (3) TM 322										
Meter Method is required for ACP even when acceptance is by Ignition Method						2401 ACP	Daily Production					


FIELD TESTED MATERIALS ACCEPTANCE GUIDE				 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
SECTION 00745 - ASPHALT CONCRETE PAVEMENT - STATISTICAL ACCEPTANCE (CONTINUED)									
Mixture Acceptance - ACP "With and Without RAP"				A Sublot equals 1000 Tons					
Mix Design Verification Testing									
Fabrication	Gyratory Specimen	TM 326							
Maximum Density Test	Max. Specific Gravity of ACP				T 209	2050GV	1/Sublot & according to Section 00745.16 (b)-1-c	1 per 10 Sublots	
Determination of G <sub>mb</sub>	Bulk Specific Gravity of Compacted ACP				T 166	2050*5068			
						2560*5069			
Stripping Susceptibility	Tensile Strength Ratio				T 283				
*Cat-II complete & submit as required, See Section 745.16(b)						2050tsr			
Plant Discharge Moisture	ACP Moisture Content				T 329	2277	1/Sublot or Min. 1/Day		
Maximum Density Test G <sub>mm</sub>	Max. Specific Gravity of ACP MAMD	TM 305			T 209	2050	1st Sublot Daily or Min. 1/Day		
Performing Control Strip	Control Strip	TM 306				2084*5069	Develop Rolling Pattern See		
Compaction	Nuclear Density of ACP				T 355	1793A	(D) Average 5 tests per Sublot or Min. 1/Day, See Section 00745.49 (b)-2	(D) 1 per 10 Sublots	
Asphalt Cement	Sampling Asphalt Materials				R 66	4000	1/Sublot See Section 4C	1 per 10 Sublots	
(D) See T 355 Yellowsheet for Density Test Locations								1/5 QC Samples (Random)	


FIELD TESTED MATERIALS ACCEPTANCE GUIDE  (Revised November 2023)					Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE			
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification		
							Project Manager	Region Quality Assurance	Materials Laboratory
<b>SECTION 00745 - ASPHALT CONCRETE PAVEMENT - STATISTICAL ACCEPTANCE (CONTINUED)</b>									
<b>Mixture Acceptance - ACP "With and Without RAP"</b>				<i>A Sublot equals 1000 Tons</i>					
<b>Mix Design Verification Testing</b>									
<i>Lime</i>	<i>Material must meet the requirements of Section 2090</i>								
<i>Latex</i>	<i>See Special Provisions for Latex Requirements</i>								
<i>Lime or Latex Treatment of Aggregate (Stockpile or Mixture Production)</i>	<sup>(1)</sup> % Hydrated Lime	TM 321 <sup>(2)</sup> TM 322			2277 2277	1/Sublot		1 per 10 Sublots	
<sup>(2)</sup> <b>ACP Plant Calibration Required at start of production and if meters fail to meet specification</b>	<i>Readings backed by Tank Measure &amp; Production Records Daily</i>				2401 ACP	Daily Production			
<sup>(1)</sup> If Applicable									
<sup>(1)</sup> See JMF for Details									
<b>Smoothness</b>									
Certification of Profiler Equipment		TM 769				See Special Provisions			
Determining International Roughness Index (IRI)		TM 772							






FIELD TESTED MATERIALS ACCEPTANCE GUIDE							(Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE						
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification					
							Project Manager	Region Quality Assurance	Materials Laboratory			
SECTION 00754 - PLAIN CONCRETE PAVEMENT REPAIR SECTION 00755 - CONTINUOUSLY REINFORCED CONCRETE PAVEMENT SECTION 00756 - PLAIN CONCRETE PAVEMENT SECTION 00758 - CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR (CONTINUED)												
Portland Cement Concrete   												

FIELD TESTED MATERIALS ACCEPTANCE GUIDE					 (Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
SECTION 00850 - COMMON PROVISIONS FOR PAVEMENT MARKINGS										
Placement Evaluation "Retroreflectivity"										
In-Place  Procedure evaluates Durable and High Performance Pavement Markings	Evaluation of Retroreflectivity	TM 777			4101 thru 4105	See Special Provisions and Test Procedure for Testing Frequency				

FIELD TESTED MATERIALS ACCEPTANCE GUIDE						(Revised November 2023)	Same Frequency for all Tests (Minimums)				
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE					
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification				
							Project Manager	Region Quality Assurance	Materials Laboratory		
SECTION 00921 - MAJOR SIGN SUPPORT DRILLED SHAFTS											
Aggregate Production											
<div><div><div><sup>(1)</sup> QAE may waive after 5 sublots/shifts</div><div><sup>(2)</sup> Perform a minimum of 3 tests, QL's required</div><div><sup>(3)</sup> Coarse Aggregate (See Section 02690.20)</div><div><sup>(4)</sup> Fine Aggregate (See Section 02690.30)</div></div><div><div>Sampling Aggregates</div><div>Reducing Aggregates</div><div><sup>(2)(3)(4)</sup> Sieve Analysis</div><div><sup>(4)</sup> Fineness Modulus</div><div><sup>(1)(3)</sup> Wood Particles</div><div><sup>(4)</sup> Sand Equivalent</div><div>Soundness</div><div>Abrasion</div><div>Degradation</div><div>Lightweight Pieces</div><div>Organics</div><div><sup>(3)</sup> Dry Rodded Unit Weight</div><div><sup>(3)</sup> Specific Gravity of Coarse Aggregate</div><div><sup>(4)</sup> Specific Gravity of Fine Aggregate</div></div></div>		TM 225		R 90		1/Sublot		1 per 10 Sublots			
				R 76							
				T 27/T 11	1792						
				T 27/T 11							
				T 176	1792						
		TM 208		T 104	4000	See Section 4(A)	Submit to Lab			See Section 4(A)	
				T 96							
				T 113							
				T 21	4000						
				T 19	1825						
					1825C						
				T 85		Start of production and when changes in aggregate occurs					
		T 84		1825							

FIELD TESTED MATERIALS ACCEPTANCE GUIDE 					(Revised November 2023)		Same Frequency for all Tests (Minimums)			
MATERIAL AND OPERATION	DESCRIPTION OF TEST	TEST METHOD			FORM 734-	QUALITY ASSURANCE				
		ODOT	WAQTC	AASHTO		Contractor Quality Control	Independent Assurance/Verification			
							Project Manager	Region Quality Assurance	Materials Laboratory	
<b>SECTION 00921 - MAJOR SIGN SUPPORT DRILLED SHAFTS</b>										
<b>Portland Cement Concrete</b>						A Sublot equals 100 yd <sup>3</sup>				
(S) ASTV based on a minimum of 3 Cylinders	Sampling Concrete		TM 2	T 119	3573WS or 4000C	1 per Sublot, minimum 1 per mix design & shaft		1 per 5 Sublots, minimum 1 per mix design		
	Slump of Concrete			T 309						
	Concrete Temperature			T 121						
	Density (Unit Weight) of Concrete			T 121						
	Yield			T 121						
Water/Cement Ratio										
	Fabrication of Concrete Cylinders/Beams			R 100	4000C					
	Compressive Strength of Concrete <sup>(S)</sup>			T 22						
Aggregates Cement Chemical Admixtures Supplementary Cementitious Materials	Materials listed on batch ticket must match approved design									

OREGON DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION SECTION

# **NONFIELD-TESTED MATERIALS ACCEPTANCE GUIDE**

## **2024 STANDARD SPECIFICATIONS**

January 2024 UPDATE



Updated versions of this guide are available by printing from the web address listed below. This document is to be used as a guide for documentation required for acceptance of Materials on ODOT Construction projects and does not relieve the user of requirements specified in the Construction Project Documents. Please notify the Contract Administration Unit, in the Construction Section at the ODOT Materials Laboratory, of any changes in Standard Drawings, Special Provisions, or Standard Specifications, etc., which would require additions to, deletions from, or changes to this listing.

Internet Address: <https://www.oregon.gov/ODOT/Construction/Pages/Structure-Services.aspx>

Contact 541-784-7721 to have correction made to this guide. A summary of changes since last publication is found at the end of this document.

\*Special Provisions, Contract Plans, and Standard Specifications take precedence over this guide per 00150.10(a). Refer to the Contract for documentation requirements.

This guide provides a summary of acceptance documents for frequently used items. New Materials or Materials which are infrequently used may not be listed in this guide.

Consult the Contract Documents for acceptance documentation for these items.

**This guide does not have precedence over the Special Provisions, Contract Plans, or Standard Specifications. Refer to 00150.10(a)\***

E – Equipment Lists and Drawings / Procedures

L – ODOT Central Materials Laboratory Report

I – ODOT Structure Services Inspection Report

W – Warranty (Manufacture or Workmanship)

P – Proof of License/Certification or Apprentice Application

M – Manufacturer's Field Representative Report

F – Field Inspection Report (FIR)

➤ *More information in form 734-2605 processing instructions.*

O – Certificate of Materials Origin (CMO for Iron or Steel - refer to 00160.20(a))

BG – Blue and Green Sheets (see Sec. 00960, 00970 or 00990)

R – Field Report

P/R – DEQ Permit or Compost Producer Registration

C – Construction Materials Certificate of Materials Origin (C-CMO) Form 734-5378b - Build America Buy America (BABA) – Refer to 00165.35(e). Specification Sections that have been identified as containing Construction Materials that may require a C-CMO have been added throughout this guide. Refer to the following for additional resources pertaining to BABA Materials:

- Qualified Products List (QPL) - <https://www.oregon.gov/odot/Construction/Pages/Qualified-Products.aspx>
- BABA Material Classification Guide - <https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx>
- BABA Blue Sheet List - <https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx>

Q - Quality Compliance Certificate – The certificate or equivalent document meeting specification shall be from the manufacturer and shall:

- Verify the Material meets the Specifications, and identify by number any applicable specified test methods used, (ODOT, AASHTO, ASTM, UL, others)
- Permit positive determination that Material delivered to the Project is the same Material covered by the certificate:
  - Be delivered to the Engineer with the shipment of the Material,
  - Or be an identification plate or mark, decal, sticker, label, or tag attached to the container or Material.

T – Test Results Certificate – The certificate shall:

- Be from the manufacturer, verifying the Material furnished has been sampled and tested and the test results meet the Specifications.
- Include, or be accompanied by, a copy of the specified test results (ODOT, AASHTO, ASTM, UL or other)
- Identify the testing agency and the representative responsible for the test results.
- Permit positive determination that Material delivered to the Project is the same Material covered by the test results.
- Be delivered to the Engineer with the shipment of the Material.

**Small Quantity** - A method for accepting relatively small quantities of Materials as noted in this guide without normal sampling and testing. Normal acceptance of Materials may be waived by the Engineer when requested in writing by the Contractor. **Small quantity acceptance requirements are listed in this guide along with the maximum amount of Material that can be accepted as small quantity.**

**QPL** – For some Materials, this guide will refer to the Qualified Products List (QPL). For QPL Materials, the QPL number must be entered into the Contractor Payment System regardless of the method of documentation.

- When using an “A” listed product, document with an FIR/Pay Note citing the QPL product number.
- When using a “Q” listed product, document with an FIR/Pay Note citing the QPL product number, and attach additional documentation required by this guide.
- When using a product approved after the QPL in effect for the Project, document with an FIR/Pay Note and attach a copy of the product approval letter or page from the later edition of the QPL.

**For products submitted by the Contractor that are not listed on the QPL, follow section 00160.05 of the Standard Specifications or Special Provisions.**

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00200 - TEMPORARY FEATURES AND APPURTENANCES								
00210	Mobilization	Section does not contain any nonfield-tested materials.						
00220	Accommodations for Public Traffic	Section does not contain any nonfield-tested materials.						
<b>For temporary items in Sections 00221 - 00228 where Remarks state "'F' must document visual verification," the "F" requirement can be satisfied on page 1 of the paynote/FIR form by:</b> - <b>completion of the FIR Tracking information (completing the New Field Inspection information on page 3 is optional for temporary items)</b> - <b>statement of visual verification that the items are as required by the Contract Documents and functioning as intended</b> - <b>documentation of any additional requirements for "F" listed in the Remarks column</b>								
00221	Common Provisions for Work Zone Traffic Control  <i>Engineer must ensure specified Materials and measures for Work Zone Traffic Control are used and documentation provided as required in this guide.</i>  <i>For temporary items under 00221, Engineer must verify items are as required by Contract Documents and functioning as intended.</i>	Traffic Control Plan - Agency TCP - Contractor Modified TCP - Tourist-Oriented Directional and Business Logo Signs	00221.06 00221.06(a) 00221.06(b), 00150.35 00221.06(c)		E			"E" is submittal(s) according to 00221.06 for approval 5 Calendar Days before preconstruction conference.
		Temporary Protection and Direction of Traffic	00221.10 00221.90(b) 00223.31 00223.42		R			"R" is Traffic Control Inspection Report according to 00221.90(b).
		Work Zone Fencing	00221.13			F, QPL	"F" must document visual verification.	
00222	Temporary Traffic Control Signs  <i>Engineer must ensure specified Materials and measures for Temporary Traffic Control Signs are used and documentation provided as required in this guide.</i>  <i>For temporary items under 00222, Engineer must verify items are as required by Contract Documents and functioning as intended.</i>	Temporary Signs - Type	00222.10 00222.10(b)				F, QPL	"F" must document visual verification. Sheeting ID Guide: <a href="https://safety.fhwa.dot.gov/roadway_dept/night_visib/sign_visib/sheetguide/">https://safety.fhwa.dot.gov/roadway_dept/night_visib/sign_visib/sheetguide/</a>
		- Roll-up Signs	00222.10(d)				F, QPL	"F" must document visual verification.
		Sign Supports - Wood Sign Posts - Temporary Sign Supports	Refer to 00910 in this guide.					Posts may be untreated.
		- Portable Sign Supports	00222.11(b)				F, QPL	"F" must document visual verification.
		- Perforated Steel Square Tube Sign Supports	00222.11(e) Standard Drawings				F, QPL	"F" must document visual verification.  Refer to QPL 00930.
		Sign Covers - Temporary Signs	00222.12 00222.12(a)				F, QPL	"F" and "QPL" if from QPL. "F" must document visual verification.
		- Permanent Signs	Refer to 00941 in this guide.					
		Temporary Electrical Signs - Sequential Arrow Signs - Portable Changeable Message Signs (PCMS) - Radar Speed Trailers	00222.15 00222.15(a) 00222.15(b)  00222.15(c)				F, QPL	"F" must document visual verification.



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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
For temporary items in Sections 00221 - 00228 where Remarks state "'F' must document visual verification," the "F" requirement can be satisfied on page 1 of the paynote/FIR form by: - completion of the FIR Tracking information (completing the New Field Inspection information on page 3 is optional for temporary items) - statement of visual verification that the items are as required by the Contract Documents and functioning as intended - documentation of any additional requirements for "F" listed in the Remarks column								
00223	Work Zone Traffic Control Labor and Vehicles  Engineer must ensure specified Materials and measures for Work Zone Traffic Control Labor and Vehicles are used and documentation provided as required in this guide.  For temporary items under 00223, Engineer must verify items are as required by Contract Documents and functioning as intended.	Flagger Station Lighting	00223.22				F, QPL	"F" must document visual verification.
		Automated Flagger Assistance Device	00223.23		E		F, QPL	"E" is submittal(s) according to 00223.23 and 00150.37, a minimum of 21 Calendar Days in advance of use.  "F" must document visual verification.
		Personnel Qualifications - Pilot Car Operators - Flaggers - Automated Flagger Assistance Device Operator - Pedestrian Transport Vehicle Operator	00223.30 00223.30 00223.32 00223.33		P			"P" is current Flagger Certification according to 00223.30.
		Traffic Supervision - Traffic Control Supervisor	00223.31(a) 00223.30 00221.01(c)		P, R			"P" is current Flagger Certification according to 00223.30 ODOT and "Oregon Certified Traffic Control Supervisor" card according to 00223.31(a).  "R" is Traffic Control Inspection Report according to 00223.31(a).
		- Traffic Control Inspection Without TCS	00223.31(b) 00223.30 00221.01(c)		P, R			"P" is current Flagger Certification according to 00223.30.  "R" is Traffic Control Inspection Report according to 00223.31(b).
00224	Temporary Traffic Channelizing Devices  Engineer must ensure specified Materials and measures for Temporary Traffic Channelizing Devices are used and documentation provided as required in this guide.  For temporary items under 00224, Engineer must verify items are as required by Contract Documents and functioning as intended.	Channelizing Devices - Tubular Markers - Conical Markers - Surface Mounted Tubular Markers	00224.10 00224.11 00224.12				F, QPL	"F" must document visual verification.  Refer to QPL 00856 for Surface Mounted Tubular Markers.
		Plastic Drums	00224.13				F, QPL	"F" must document visual verification.
		Delineators - New or Salvaged > Guardrail > Temporary Barrier	00224.14 00840 00224.14(a) Type 4 00224.14(b) Type 5				F, QPL	"F" must document visual verification and use of any salvaged materials.  "QPL" is for new delineators.
		Barricades	00224.15 Standard Drawings				F, QPL	"F" must document visual verification.

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				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
For temporary items in Sections 00221 - 00228 where Remarks state "'F' must document visual verification," the "F" requirement can be satisfied on page 1 of the paynote/FIR form by: - completion of the FIR Tracking information (completing the New Field Inspection information on page 3 is optional for temporary items) - statement of visual verification that the items are as required by the Contract Documents and functioning as intended - documentation of any additional requirements for "F" listed in the Remarks column								
00225	Temporary Pavement Marking  <i>Engineer must ensure specified Materials and measures for Temporary Pavement Marking are used and documentation provided as required in this guide.</i>  <i>For temporary items under 00225, Engineer must verify items are as required by Contract Documents and functioning as intended.</i>	Temporary Pavement Markers - Reflective Pavement Markers - Flexible Oiling Pavement Markers - Flexible Overlay Pavement Markers	00225.10 00225.10(a) Type 1  00225.10(b)  00225.10(c)				F, QPL	"F" must document visual verification.  Refer to QPL 00855.
		Temporary Tape - Removable - Non-Removable - Non-Reflective	00225.11				F, QPL	"F" must document visual verification.
		Painted Striping - Paint - Beads	00225.12 00225.12(a) 00225.12(b)				F, QPL	"F" must document visual verification.  Refer to QPL 00850 for Beads and 00860 for Paint.
		Temporary Transverse Rumble Strips	00225.14				F, QPL	"F" must document visual verification.
00226	Temporary Roadside Barriers and Impact Attenuators  <i>Engineer must ensure specified Materials and measures for Temporary Roadside Barriers and Impact Attenuators are used and documentation provided as required in this guide.</i>  <i>For temporary items under 00226, Engineer must verify items are as required by Contract Documents and functioning as intended.</i>  <i>(continued on next page)</i>	Temporary Guardrail - New Guardrail Materials - Salvaged Guardrail Materials	00226.10 00810 00810.15				F, QPL	"F" must document visual verification guardrail stamped AASHTO M180, straight and free of breaks, kinks or dents.  Temporary guardrail may be from other Projects, document use of salvaged materials on "F".  "QPL" is for guardrail terminals. Refer to Standard Drawings.  Certificate of Origin according to 00165.35(d) not required for temporary guardrail.
		Temporary Barrier and Appurtenances - Temporary Barrier (QPL or Temporary Concrete Barrier) - Minimum Deflection Bridge Tempoaary Barrier - Reflective Barrier Panels - Glare Shields	00226.11 00226.11(a) 00226.11(a)  00226.11(b) 00226.11(c) 00226.00(d) Standard Drawings				F, QPL  "QPL" is for Temporary Barrier, Reflective Barrier Panels and Glare Shields. Refer to QPL 00820.	"F" must document visual verification.  Temporary concrete barrier must be from ODOT approved manufacturer listed in 00820.11 of this guide, document on "F". If temporary concrete barrier are from a manufacturer other than those listed in 00820.11, contact Structure Services (503-986-3056) for acceptance information prior to barrier placement.  "F" for Minimum Deflection Bridge Tempoaary Barrier must include identifation markings according to 00226.11(b)(2)

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00226 <i>(con't)</i>	Temporary Roadside Barriers and Impact Attenuators <i>(continued)</i>	Temporary Impact Attenuators	00226.12 Standard Drawings				F, QPL	"F" must document visual verification. Refer to QPL 00830.
		Truck Mounted Attenuator	00226.23				F, QPL	"F" must document visual verification.
<b>For temporary items in Sections 00221 - 00228 where Remarks state "'F' must document visual verification," the "F" requirement can be satisfied on page 1 of the paynote/FIR form by:</b> - <b>completion of the FIR Tracking information (completing the New Field Inspection information on page 3 is optional for temporary items)</b> - <b>statement of visual verification that the items are as required by the Contract Documents and functioning as intended</b> - <b>documentation of any additional requirements for "F" listed in the Remarks column</b>								
00227	Temporary Traffic Signals and Illumination  <i>Engineer must ensure specified Materials and measures for Temporary Traffic Signals and Illumination are used and documentation provided as required in this guide.</i>  <i>For temporary items under 00227, Engineer must verify items are as required by Contract Documents and functioning as intended.</i>	Temporary Illumination Temporary Flashing Beacons	00227.10 00227.14 00960 00970 02926 Temporary Illumination Plans				BG	"BG" is according to 00960 and 00970 in this guide for illumination.  Traffic Section's Signal Standards Group has two lists to simplify Contractor submittals: "Blue Sheets - Submittals for Field Qualification" and "Green Sheets - Submittals for Conditional Qualification." Refer to 00960 and 00970 for specific material information.
		Temporary Traffic Signals	00227.12 00960 00990 02120		E		BG	"E" is submittal(s) according to 00227.12, 00150.35 and 02120.10.  "BG" is according to 00960 and 00990 in this guide for signal equipment.  Traffic Section's Signal Standards Group has two lists to simplify Contractor submittals: "Blue Sheets - Submittals for Field Qualification" and "Green Sheets - Submittals for Conditional Qualification." Refer to 00960 and 00990 for specific material information.
		Portable Traffic Signals	00227.13				F, QPL	"F" must document visual verification.
00228	Temporary Pedestrian and Bicyclist Routing  <i>Engineer must ensure specified Materials and measures for Temporary Pedestrian and Bicyclist Routing are used and documentation provided as required in this guide.</i>  <i>For temporary items under 00228, Engineer must verify items are as required by Contract Documents and functioning as intended.</i>	Pedestrian Channelizing Devices	00228.10 Standard Drawings Traffic Control Plan				F, QPL	"F" must document visual verification.
		Bicycle Channelizing Devices	00228.12				F, QPL	"F" must document visual verification.
		Temporary Curb Ramps - Truncated Dome Detectable Warning Device	00228.13 00759.12 Standard Drawings				F, QPL	"F" must document visual verification.
		Temporary Walks	00228.14				F, QPL	"F" must document visual verification.

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				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00229 Special Provision	Smart Work Zone Systems  Refer to Special Provisions for any additional Contract-specific requirements.	Smart Work Zone Systems	00229.10 00229.30 00229.45 00225.46		R		F, QPL	"R" is traffic data logs per 00229.45.
		Work Zone Traffic Control Devices - Portable Changeable Message Signs (PCMS)	Refer to 00222 in this guide.					
		- Barricades - Drums	Refer to 00224 in this guide.					
00231 Special Provision	Temporary Access Road  Refer to Special Provisions for any additional Contract-specific requirements.	Geotextile	Refer to 00350 in this guide.					
		Geogrid	Refer to 00350 in this guide.					
		Permanent Seeding	Refer to 01030 in this guide.					
00235 Special Provision	Agency Provided Material Sources	Submittals	00235.07 00235.40 00235.47		E			"E" is submittal(s) according to 00235.07 and 00150.35 at or before pre-work meeting, 00235.40 before occupying site and 00235.47 documenting disposal of material before vacating site.  Do not begin Work in a material source without written approval from Engineer.
00236 Special Provision	Agency Provided Disposal Sites	Submittals	00236.07 00236.40 00236.47		E			"E" is submittal(s) according to 00236.07 and 00150.35 at or before pre-work meeting, 00236.40 before occupying site and 00236.47 documenting disposal of material before vacating site.  Do not begin Work in a disposal site without written approval from Engineer.
00237 Special Provision	Agency-Provided Staging Areas	Submittals	00237.40 00237.44 00237.47		E			"E" is submittal(s) according to 00237.40 before occupying site, 00237.44 at or before pre-work meeting and 00237.47 documenting disposal of material before vacating site.
00240	Temporary Drainage Facilities	Section does not contain any nonfield-tested materials.						
00245 Special Provision	Temporary Water Management  Refer to Special Provisions for any additional Contract-specific requirements.	Temporary Water Management Plan	00245.03		E			"E" is submittal(s) according to 00245.03 and 00150.35, 28 Calendar Days before beginning work in regulated Work areas.  Do not begin Work in in-water Work areas without written approval from Engineer.
		Concrete Barrier	Refer to 00820.11 in this guide.					
	(continued on next page)	Pipe	Refer to 00445.11 in this guide.					

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SECTION	TYPE OF CONSTRUCTION	MATERIALS	SUBSECTION	ACCEPTANCE DOCUMENTS				REMARKS	
				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY			
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL		
00245SP (con't)	Temporary Water Management (continued)	Rock Gabion Baskets	Refer to 00596A in this guide.						
		Turbidity Monitoring	00245.60		R			"R" is Turbidity Monitoring Reports according to 00290.30(a)(8).	
00250 Special Provision	Diversion Bridges  Refer to Special Provisions for any additional Contract-specific requirements.	Submittals	00250.03		E			"E" is submittal(s) according to 00250.03 and 00150.35, at least 14 days before preinstallation conference.	
		New Material	Refer to 00500 in this guide.						
		- Precast Prestressed Concrete Members	Refer to 00550 in this guide.						
		Used Material	00250.10(c)						
		- Structural Steel Members > Documented Steel > Undocumented Steel	00250.10(c)(2) 02530		T, Q, O		F		
		- Timber Members	Refer to 00570 in this guide.						
		- Piling, Steel Piles	Refer to 00520 in this guide.						Used timber piles not allowed.
00252 Special Provision	Temporary Work Bridges	Submittals	00252.40		E			"E" is submittal(s) according to 00252.40 and 00150.35.	
00253	Temporary Work Access and Containment	Submittals	00253.03		E			"E" is submittal(s) according to 00253.03 and 00150.35, a minimum of 21 Calendar Days before preconstruction conference.	
00270	Temporary Fences	New Materials	Refer to 01050.10 in this guide.						Refer to Contract Documents for required Materials.
		Temporary Barrier	Refer to 00226.11(a) in this guide.						Refer to Contract Documents for required Materials.
00280	Erosion and Sediment Control (ESC)  Engineer must ensure specified Materials and measures for Erosion and Sediment Control are used and documentation provided as required in this guide.  (continued on next page)	Erosion and Sediment Control Plan - on Agency Controlled Lands - on Non-Agency Controlled Lands	00280.04 00280.05		E			"E" is submittal(s) according to 00280.04 and 00280.05 at least 10 Calendar Days before preconstruction conference.  Note on test summary the date plan was received. Plan does not need to be submitted with semi-final documentation for non-Doc Express Projects.	
		Erosion and Sediment Control Manager	00280.30		P			"P" is current ODOT ESCM certification or documentation of successful completion of alternative erosion control training accepted by Engineer submitted according to 00280.30 at least 10 Calendar Days before preconstruction conference.	
		Erosion and Sediment Control Monitoring	00280.30 00280.62		R			"R" is Erosion and Sediment Control Monitoring Reports according to 00280.30 and 00280.62.	

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				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL		
00280 (con't)	Erosion and Sediment Control (ESC) (continued)	Seed (Temporary)	01030.13		T		F	"T" is germination and purity information from tag on seed bag.	
		Fertilizer	01030.14		Q		F	"Q" is from manufacturer.	
	For temporary items under 00280, Engineer must verify items are as required by Contract Documents and functioning as intended.	Mulch, Hydromulch (temporary or permanent)	00280.14(d) 01030.15(a)		Q		F, QPL	"QPL" is for hydromulch fiber.	
		Mulch, Straw (temporary or permanent)	00280.14(d) 01030.15(b)		T or Q		F	"T" is seed lab test results for weed seed content.  "Q" is "Oregon Certified Seed" field source, or Department of Agriculture certified weed free.	
	For permanent items under 00280, Engineer must acquire and retain the required documentation.	Slope and Channel Liner Matting – Bonded Fiber Matrix, Polypropylene or Polymer	00280.14(e)		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d) for Channel Liner Matting Type F, G, and H installed as permanent features.	
		Check Dams - Cereal Straw Based Products	00280.15(a) 01030.15(b)		T or Q		F	"T" is seed lab test results for weed seed content.  "Q" is "Oregon Certified Seed" field source, or Department of Agriculture certified weed free.	
		Check Dams, Type 5 - Prefabricated System	00280.15(a)				F, QPL	Field fabricated systems are not acceptable.	
		Compost	00280.14(f) 00280.15(a) Type 6 00280.15(f) 00280.15(g) 00280.16(d) Type 7 00280.16(e) Type 8&9 03020.00		T, Q, P/R		F	"T" is STA lab analysis of compost.  "Q" is from Supplier according to 03020.10 and 00165.35.  "P/R" is copy of the DEQ permit or registration of compost Supplier. <b>Note:</b> Tackifier required according to 00280.14(b)(2) for Compost Erosion Blanket and/or Compost Berm.	
		Inlet Protection, Type 3 - Prefabricated Filter Inserts	00280.16(d)				F, QPL		
		Sediment Barrier – Cereal Straw Based Products	00280.16(e) 01030.15(b)		T or Q		F	"T" is seed lab test results for weed seed content.  "Q" is "Oregon Certified Seed" field source, or Department of Agriculture certified weed free.	
		Sediment Barriers, Type 7 - Prefabricated Barrier System	00280.16(e)				F, QPL		
		Sediment Barriers, Sediment Mat	00280.16(f)				F, QPL		
		Straw Bales	00280.14(g) 01030.15(b)		Q		F	"Q" is "Oregon Certified Seed" field source, or Department of Agriculture certified weed free.	
		Sediment Control - Geotextile	Refer to 00350 in this guide.						
		Prefabricated Construction Entrance	00280.16(a)				F	"F" must document visual verification.	

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LAB	ENGR.							
00290	Environmental Protection	Environmental Protection	Refer to Contract Specifications for restrictions and required submittals.					
		Turbidity Monitoring	00290.30(a)(8)		R			"R" is Turbidity Monitoring Reports according to Special Provision 00290.30(a)(8).
		Pollution Control Plan	00290.30(b)		E			Note on test summary the date plan was received. Plan does not need to be submitted with semi-final documentation for non-Doc Express Projects.
00300 - ROADWORK								
00305	Construction Survey Work	3D Engineered Models	00305.05		E			
00310	Removal of Structures and Obstructions	Section does not contain any nonfield-tested materials.						
00320	Clearing and Grubbing	Section does not contain any nonfield-tested materials.						
00330	Earthwork	Selected Topsoil	Refer to 01040 in this guide.					
00331	Subgrade Stabilization	Subgrade Geotextile	Refer to 00350 in this guide.					
		Subgrade Reinforcement Geogrid	Refer to 00350 in this guide.					
00335	Blasting Methods and Protection of Excavation Backslopes	Blasting Plan	00335.40(d)		E			"E" is submittal(s) according to 00335.40(d) at least 21 Calendar Days before beginning drilling for excavations or when any perimeter controlled blasting is required.
		Blasting Reports	00335.40(h)		R			"R" is submittal(s) according to 00335.40(h) within 48 hours of making each blast.
00340	Watering	Additives	00340.11				F, QPL	"F" and "QPL" when called for by Special Provisions or ordered.

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00350	Geosynthetic Installation	Geotextile	00350.10 02320.10(a)(1) 02320.10(c)(1) 02320.20		C		F, QPL	Geotextiles in the QPL are identified as NTPEP listed and are approved for the intended application.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document the product name either printed directly on the geotextile by the Manufacture, or by the product label attached to the original packaging or the geosythetic itself by the Manufacturer. Geotextile rolls that cannot be verified will be rejected.
		Subgrade Reinforcement Geogrid	00350.10 02320.10(a)(2) 02320.10(c)(2)		C, T		F, QPL	"T" is from geogrid manufacturer. The minimum roll values are given in the QPL Product Review Guidelines. Also see note below.  <b>Note:</b> When using products from QPL 02320.10 "Subgrade Reinforcement Geogrid" for Base Course reinforcement applications, refer to Contract Documents for additional testing requirements.
		Type 1 MSEW Geogrid	00350.10 02320.10(a)(2) 02320.10(c)(2) 02320.10(d)		C, T		F, QPL	Geogrid must be Type 1 MSEW Geogrid.  "C" is for Construction Material CMO according to 00160.20(d)  "T" is manufacturer's: - minimum average roll value meeting or exceeding specifications according to 02320.10(b) - test certification according to 02320.10(c)(2) - testing according to 02320.10(d)  "F" must document that the geogrid is marked or tagged with NTPEP identification. Check and document that rolls are labeled at the ends of the roll outer wrapping and inside the roll core (for product that have a core), and labels list the roll/coil and lot number, production date, product name, NTPEP ID number, and "NTPEP listed."



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						MATERIALS LAB	FIELD PERSONNEL	
LAB	ENGR.							
00370	Finishing Roadbeds	Section does not contain any nonfield-tested materials.						
00390	Riprap Protection	Geotextile	Refer to 00350 in this guide.					
00396	Shotcrete Slope Stabilization	Shotcrete	00396 00396.02		E			"E" is submittal(s): - according to 00396.02 and 00150.37, at least 28 Calendar Days before preconstruction conference; and - according to 00396.30 at least 7 Calendar Days before beginning shotcrete Work.  Refer to Contract Documents for quality documentation requirements.
		Reinforcement - Bar and Welded Wire Fabric	Refer to 00530 in this guide.					
		Polyvinyl Chloride Pipe (PVC)	02415.50		Q, C		F	"Q" is markings on pipe.  "C" is for Construction Material CMO according to 00160.20(d)
		Curing Materials	02050.10		Q		F, QPL	No testing required when used on shotcrete Slope stabilization.
		Grout, Non-Epoxy	02080.20				F, QPL	
		Steel Fiber Reinforcement	00396.13		Q, O		F	

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				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00398	Rock Slope Stabilization and Reinforcement	Plain Carbon Steel - Anchor Bolts - Plates, Washers, Nuts - Wire Rope - Posts, Braces, Appurtenances - Support Ropes - Hardware - Wire Mesh	00398.10(a), 00398.46 00398.10(b) 00398.10(c) 00398.11 00398.12 00398.13 00398.14		T, Q, O, R		F	"T" is from manufacturer.  "Q" is from galvanizer.  "R" is field verification of pullout testing on not less than 25% of anchors.
		Grout, Non-Epoxy	00398.10(e) 02080.20				F, QPL	
		Cable Net	00398.15		Q, O		F	"Q" is from fabricator and galvanizer.
		Rock Reinforcing Bolts	00398.03(a) 00398.16(a) 00398.50(b)(3)		O, E, R		F, QPL	"E" is submittal(s) according to 00398.03(a) and 00150.37, at least 10 Calendar Days before preconstruction conference.  "R" is field proof testing of bolts.  Do not proceed with the Work until the Engineer has approved the Work plan in writing.
		Rock Reinforcing Dowels	00398.03(a) 00398.16(b) 00398.50(c)(2)		O, E, R		F	"E" is submittal(s) according to 00398.03(a) and 00150.37, at least 10 Calendar Days before preconstruction conference.  "R" is field proof testing of at least 10% but not less than 3 dowels.  Do not proceed with the Work until the Engineer has approved the Work plan in writing.
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						MATERIALS LAB	FIELD PERSONNEL	
LAB	ENGR.							
00398 <i>(con't)</i>	Rock Slope Stabilization and Reinforcement <i>(continued)</i>	Flexible Rockfall Barrier Systems	00398.03(b) 00398.17 00398.51		T, O, E		F	Proprietary system must meet Contract Specifications.  "E" is submittal(s): - according to 00398.03(b), 00150.35 and 00150.37, at least 30 Calendar Days before beginning fabrication or construction; and - according to 00398.03(b)(2) at least 10 Calendar Days before preconstruction conference.
		Anchored High Tensile Strength Steel Wire Mesh Slope Protection	00398.03(c) 00398.18 00398.52		T, Q, O, E, R		F	"T" is from manufacturer.  "Q" is from galvanizer.  "E" is submittal(s) according to 00398.03(c) and 00150.37, at least 10 Calendar Days before preconstruction conference.  "R" is field proof testing of anchor nails.  Do not proceed with the Work until the Engineer has authorized the Work plan in writing.
		Personnel	00398.03(d) 00398.32		P			"P" is personnel according to 00398.03(d) and 00398.32, at least 10 Calendar Days before preconstruction conference.  Manufacturer Field Representative must be at the system preconstruction conference and available as needed during construction.
00400 - DRAINAGE AND SEWERS								
00405	Trench Excavation, Bedding, and Backfill	Section does not contain any nonfield-tested materials.						
00406	Tunneling, Boring, and Jacking	Tunneling	00406.41(a)		E		F	"E" is submittal(s) according to 00406.41 and 00150.35 before beginning the Work.
		Boring and Jacking	00406.41(b)		E		F	"E" is submittal(s) according to 00406.41 and 00150.35 before beginning the Work.
		Pipe	Refer to 00445 in this guide					
		Casing	00406.12		O		F	

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00411	Pipe Bursting and Slip Lining	Pipe	00411.01 00411.10		C, E, Q		F	"E" is submittal(s) according to 00411.01 and 00150.35 at least 10 Calendar Days before preconstruction conference. "C" is for Construction Material CMO according to 00160.20(d) "Q" is from manufacturer.
		Video Pipe Inspection	Refer to 00415 in this guide.					
00412	Cured-in-Place Pipe Lining (CIPP)	Cured-in-Place Pipe Lining (CIPP)	00412.01 00412.02 00412.30 00412.42(a) 00412.71 00412.75		E, P, W		F	"E", "P" is submittal(s) according to 00412.01 and 00150.35 at least 10 Calendar Days before preconstruction conference.  "W" is one year workmanship warranty according to 0170.85(b)(1). There is no paper warranty.
		Tube	00412.10		Q, C		F	"Q" is from manufacturer.
		Resin	00412.11		Q		F	"Q" is from manufacturer.
		Liner	00412.12		Q		F	"Q" is from manufacturer.
		Video Pipe Inspection	Refer to 00415 in this guide.					
		Pre-installation and post-installation.						
00413	GRP Cured-in-Place Pipe Lining & UV Care	GRP Cured-in-Place Pipe Lining and UV Care	00413.01 00413.02 00413.30 00413.42(a) 00413.71 00413.75		E, P, W		F	"E", "P" is submittal(s) according to 00413.01, 00413.02 and 00150.35 at least 10 Calendar Days before preconstruction conference.  "W" is one year workmanship warranty according to 0170.85(b)(1). There is no paper warranty.  Manufacturer's representative must be on site during initial installation.
		Tube	00413.10		Q		F	"Q" is from manufacturer.
		Resin	00413.11		Q		F	"Q" is from manufacturer.
		Liner	00413.12		Q		F	"Q" is from manufacturer.
		Video Pipe Inspection	Refer to 00415 in this guide.					
		Pre-installation and post-installation.						
00414	Pipe Renewal - Spray Applied Pipe Structural Liner	Spray Applied Pipe Structural Liner	00414.01 00414.30 00414.42(a) 00414.71 00414.75		E, P, W		F	"E", "P" is submittal(s) according to 00414.01, 00414.02 and 00150.35 at least 10 Calendar Days before preconstruction conference.  "W" is one year workmanship warranty according to 0170.85(b)(1). There is no paper warranty.  Manufacturer's representative must be present according to 00414.30.
		Liner	00414.10		Q		F	"Q" is from manufacturer.
		Video Pipe Inspection	Refer to 00415 in this guide.					
		Pre-installation and post-installation.						

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00415	Video Pipe Inspection	Video Pipe Inspection (Pre- and Post-Installation, and Inspection Reports)	00415 00415.40 00415.41 00415.42 00415.70		R		F	"R" is:  - pre-inspection video according to 00415.40 and 00415.41; 5 calendar days before beginning work; submit 2 copies to Engineer within 3 Calendar Days after completion;  - post-inspection video according to 00415.42; submit 2 copies to Engineer within 3 Calendar Days after completion;  - and written inspection and deflection report according to 00415.70; submit 2 copies to Engineer within 3 Calendar Days after completion.
00420 Special Provision	Salvaging Pipe	New Materials	Refer to 00445 in this guide.					
	Refer to Special Provisions for any additional contract specific requirements.	Salvaged Materials	00420.10				F	"F" can be satisfied with documentation on the test summary and must document use of any salvaged materials.
00430	Subsurface Drains	Drainage Geotextile	Refer to 00350 in this guide.					
		Perforated Concrete Pipe	02410.10(h)		Q		F	"Q" is markings on pipe.  "F" must document pipe markings, manufacturer's name, size and AASHTO designation.
		Perforated Corrugated Aluminum Alloy Pipe and Protective Coating	02420.20 02420.50		Q, C		F	"Q" is markings on pipe.  "C" is for Construction Material CMO according to 00160.20(d).  "F" must document pipe markings, manufacturer's name, size, AASHTO designation and coating type.
		Perforated Corrugated Polyethylene Pipe	02415.10		Q, C		F, QPL	"Q" is markings on pipe. "C" is for Construction Material CMO according to 00160.20(d). "F" must document pipe markings, manufacturer's name, size and AASHTO designation.  Must be from the QPL.
		Perforated Corrugated Steel Pipe and Protective Coating	02420.20 02420.30		Q, O		F	"Q" is markings on pipe.  "F" must document pipe markings, manufacturer's name, size, AASHTO designation and coating type.
		Perforated Polyvinyl Chloride Pipe (PVC)	02415.50		Q, C		F	"Q" is markings on pipe. "C" is for Construction Material CMO according to 00160.20(d) "F" must document manufacturer's name, size and ASTM designation.
		Wire Mesh	00430.10		O		F	
		Outlet Protection Block	00430				F	

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00435 Special Provision	Prefabricated Vertical Drains  Refer to Special Provisions for any additional contract specific requirements.	Vertical Drains (Complete System)	00435.10 00435.13 00435.14 00435.40(b)		Q, E		F	"Q" is from manufacturer.  "E" is submittal(s): - according to 00435.14 at least 21 Calendar Days before the installation of any drains; and - according to 00435.40(b) at least 14 Calendar Days before beginning trial installation.
		Core	00435.11		T		F	"T" is from manufacturer.
		Jacket (Geotextile)	00435.12		T		F	"T" is from manufacturer.
00440	Commercial Grade Concrete	Section does not contain any nonfield-tested materials.						
00442	Controlled Low Strength Materials	Section does not contain any nonfield-tested materials.						
00445	Sanitary, Storm, Culvert, Siphon, and Irrigation Pipe	Video Pipe Inspection	Refer to 00415 in this guide.					Video pipe inspection according to 00445.74.
		Corrugated or Spiral Rib Aluminum Alloy - Pipe - Protective Coating - Connecting Bands	02420.20 02420.40		Q, C		F	"Q" is markings on pipe. "C" is for Construction Material CMO according to 00160.20(d) "F" must document pipe markings, manufacturer’s name, size, AASHTO designation and coating type.
		Corrugated or Spiral Rib Steel - Pipe - Pipe Arches - Protective Coating - Connecting Bands	02420.10 02420.20		Q, O		F	"Q" is markings on pipe.  "F" must document pipe markings, manufacturer's name, size, AASHTO or ASTM designation, and coating type.
		Corrugated Polyethylene Pipe	02415.10		Q, C		F, QPL	"Q" is markings on pipe. "C" is for Construction Material CMO according to 00160.20(d) "F" must document pipe markings, manufacturer’s name, size and AASHTO designation.  Must be from the QPL.
		Ductile Iron Pipe	02420.11		Q, O		F	"Q" is markings on pipe.  "F" must document manufacturer, size and AWWA designation.
	(continued on next page)	Metal Reinforcement in Blocks	Refer to 00530 in this guide.					

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00445 (con't)	Sanitary, Storm, Culvert, Siphon, and Irrigation Pipe (continued)	Nonreinforced Concrete Pipe	02410.10(f)				F	ODOT approved manufacturers: - Oldcastle Infrastructure, Auburn, WA - Oldcastle Infrastructure, Eugene, OR - Oldcastle Infrastructure, Keizer, OR - Oldcastle Infrastructure, Nampa, ID - Cascade Concrete Products, Scappoose, OR
		Reinforced Concrete Pipe	02410.10(g)		O		F	
						I		If pipe is not from ODOT approved manufacturer, contact Structure Services (503-986-3056) for acceptance information 21 Days prior to pipe casting.  Requires Structure Services inspection.
		Polypropylene Pipe	02415.40		Q, C		F, QPL	"Q" is markings on pipe.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document manufacturer's name, size and ASTM designation.  Must be from the QPL and meet the requirements of 02415.40.
		Polyvinyl Chloride Pipe (PVC)	02415.50		Q, C		F	"Q" is markings on pipe.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document manufacturer's name, size and ASTM designation.
		Rubber Gaskets and Joint Sealant for Concrete Pipes	02440.40		Q, C		F	"C" is for Construction Material CMO according to 00160.20(d)
		Solid Wall Polyethylene Pipe	02415.20		Q, C		F, QPL	"Q" is markings on pipe if from the QPL. If not from the QPL, must meet the requirements of 02415.20.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document manufacturer's name, size and ASTM designation.
		Steel Reinforced Polyethylene Pipe	02415.30		Q, O		F, QPL	"Q" is markings on pipe.  "F" must document manufacturer's name, size and ASTM designation.
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						MATERIALS LAB	FIELD PERSONNEL		
				LAB	ENGR.				
00445 <i>(con't)</i>	Sanitary, Storm, Culvert, Siphon, and Irrigation Pipe <i>(continued)</i>	Asphalt Mastic	00445.12 00445.47		Q		F, QPL	Only required for aluminum and concrete contact surfaces.  "Q" meeting requirements of 00445.12 and "F" if not from QPL.  "F" and "QPL" if from QPL.	
		Tracer Wire	00445.11(e) 00445.48		Q		F	Only required for sanitary and storm sewer installation.	
00446	Trench Drains	Trench Drains	00446.11		Q		F, QPL	"Q" meeting requirements of 00446.11 and "F" if not from QPL.  "F" and "QPL" if from QPL.	
		Frames and Grates	00446.12		Q, O		F, QPL	"Q" meeting requirements of 00446.12 and "F" if not from QPL.  "F" and "QPL" if from QPL.	
00450	Structural Plate Shaped Structures	Aluminum Alloy Structural Plates	02430.20		Q		F	"Q" is from manufacturer.  "F" must document aluminium sheet size and AASHTO designation.	
		Bolts, Nuts, and Washers	02430.90		Q, O		F	"Q" is from manufacturer and galvanizer.	
		Galvanized Structural Plates	02430.10		Q, O		F	"Q" is from manufacturer and galvanizer. "F" must document steel plate size and AASHTO designation.	
		Concrete Reinforcement	Refer to 00530 in this guide						
		Asphalt Mastic	Refer to 00445 in this guide						
		Repair of Aluminum or Zinc Coating	00450.42(e) 02420.10(d)		Q		F		
00460	Paved Culvert End Slopes	Curing Compound	02050.10				F, QPL	No testing required when used on end slopes.	
		Welded Wire Fabric	02510.40		Q, O		F		



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						MATERIALS LAB	FIELD PERSONNEL		
				LAB	ENGR.				
00470	Manholes, Catch Basins, and Inlets	Precast Concrete Manholes, Bases, Manhole Top Slabs, Grade Rings, Catch Basins, and Inlets.  <i><b>Vaults are NOT covered by Section 00470 – please refer to Contract Special Provisions for acceptance requirements.</b></i>	02450		O		F	ODOT approved manufacturers identified in ODOT Standard Drawings: - Oldcastle Infrastructure, Wilsonville, OR - Oldcastle Infrastructure, Eugene, OR - Oldcastle Infrastructure, Nampa, ID - Cascade Concrete Products, Scappoose, OR - Advanced Precast Products, Redmond, OR - Rogue Valley Precast, White City, OR - Roger Langeliers Construction, Coburg, OR	
						I		<b>If not from ODOT approved manufacturer or for Structures without Standard Drawings</b> , contact Structure Services (503-986-3056) for acceptance information prior to casting.  Requires Structure Services inspection.	
		Cast-In-Place Units (Steel Reinforcement)	Refer to 00530 in this guide.						
		Joint Material	02440.40 02440.50 02440.60		Q, C		F	"C" is for Construction Material CMO according to 00160.20(d)	
		Metal Frames, Covers, Grates, and Steps	02450.30		Q, O		F	"Q" is from manufacturer.  "Q" is from galvanizer for non-cast iron manufactured grates and frames according to Standard Drawings.	
		Concrete Drain Tile	02410.10(i)		T, Q		F		
00475 Special Provision	Drain Wells  <i>Refer to Special Provisions for any additional contract specific requirements.</i>	Well Casing	00475.10		Q, O		F	"Q" is from steel manufacturer.	
00480	Drainage Curbs	Curing Compound	00440.40(e) 02050				F, QPL	No testing required when used on drainage curbs.	
		Epoxy Bonding Agent	02070.10				F, QPL		
		Preformed Expansion Joint Filler	02440.10		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)	
00490	Work on Existing Sewers and Structures	New Materials	Refer to 00470 in this guide.						
		Salvaged Materials	00490.10				F	"F" must document suitable existing Materials were used.	
00495	Trench Resurfacing	Section does not contain any nonfield-tested materials.							

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00500 - BRIDGES								
00501	Bridge Removal	Section does not contain any nonfield-tested materials.						
00503	Bridge Deck Cold Plane Pavement Removal	Section does not contain any nonfield-tested materials.						
00504 Special Provision	Concrete Deck Surface Preparation  Refer to Special Provisions for any additional contract specific requirements.	Portland Cement Concrete Repair Material	00504.10 02015				F, QPL	
00510	Structure Excavation and Backfill	Cofferdam Submittals	00510.03		E			"E" is submittal(s) according to 00510.03 and 00150.35.
		Shoring Submittals	00510.04		E			"E" is submittal(s) according to 00510.04 and 00150.35; for atypical shoring systems allow 120 Calendar Days for Agency review and response.

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00512	Drilled Shafts	Submittals - Drilled Shaft Installation Plan	00512.40(a)		E			"E" is submittal(s) according to 00512.40(a) and 00150.35 at least 21 Calendar Days before beginning shaft construction.  Do not begin drilled shaft construction Work until all drilled shaft submittals have been approved.	
		- Drilled Shaft Repair Plans	00512.40(b)		E			"E" is submittal(s) according to 00512.40(b) and 00150.35 for unacceptable shafts.  Do not begin repair operations before remedial procedures or designs are approved.	
		- Drilled Shaft Inspection Reports	00512.40(c)		R			"R" is report(s) according to 00512.40(c) within 21 Calendar Days after completion and acceptance of each shaft.	
		- Concrete Placement Logs and Volume Curves	00512.40(d)		E			"E" is submittal(s) according to 00512.40(d) within 24 hours after completion of shaft concrete placement for each shaft.	
		- Personnel	00512.30		E			"E" is personnel qualifications according to 00512.30.  Do not begin Work on any drilled shafts until qualifications have been approved.	
		Reinforcement	Refer to 00530 in this guide.						
		Permanent Steel Casing	00512.13 00512.40		Q, O		F	"Q" is from manufacturer.	
		Drilling Slurry	00512.14(a) 00512.14(b) 00512.14(c)				F, QPL	"QPL" is for synthetic slurry.  If synthetic slurry is used, manufacturer's representative and a Contractor's employee trained in the use of synthetic slurry must attend Drilled Shaft Coordination Meeting according to 00512.41.	
		Crosshole Sonic Log Access (CSL) Tubes	00512.15 00512.48(b)		R, Q, O		F	"R" is Contractor's crosshole sonic log test reports according to 00512.48(b) within 5 Calendar Days of the performance of the tests.  "Q" is from manufacturer.	
		CSL Cement Grout – Field Mixed	00512.18 02010.10				F, QPL	Cement from the QPL.	
		CSL Cement Grout	00512.18 02080				F, QPL	Non-epoxy or tendon grout from the QPL.	

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00520	Driven Piles	Submittals - Pile Driving Equipment	00520.20(d)		E			"E" is submittal(s) according to 00520.20(d) at least 14 Calendar Days before pile driving begins.  Do not begin test pile or production pile driving without Engineer's written approval.
		- Splices > Welded > Mechanical	00520.43(f) 00520.43(f)(1) 00520.43(f)(2)		E			"E" is submittal(s): - according to 00520.43(f) for welded splices; - according to 00520.43(f) and 00150.35 for mechanical splices.
		- Welding	00520.43(g)(2)		E, P, R			"E" is submittal(s) according to 00530.43(g)(2) prior to welding.  Do not begin welding without approval.  "R" is welding inspection report(s) according to 00520.43(g)(2) upon completion of welding.
		Reinforced Pile Tips	02520.10(e)		T, O		F, QPL	"QPL" is for H-pile tips.
		Steel Piles	02520.10		T, O	I	F	"T" is from steel manufacturer.  "F" must document pile markings, heat and lot numbers, AASHTO or ASTM designation, grade, brand and quantity.  Engineer to submit documents to Structure Services which will perform inspection and review of documents for all Materials and fabrication. Contact ODOT Milwaukie Materials Lab (971-673-7002) to coordinate inspection.
00520 (con't)	Driven Piles (continued)	Steel Pile Protective Coating	Refer to 00594 in this guide.					
		Steel Reinforcement for Concrete	Refer to 00530 in this guide.					
00530	Steel Reinforcement for Concrete    (continued on next page)	Order Lists and Bending Diagrams Submittals	00530.11		E			"E" is submittal(s) according to 00530.11, 00150.35, and 00150.37 before ordering material.
		Deformed Bar Reinforcement ASTM A706 & A615 & A1035 alloy CM & CS (from QPL approved manufacturer)	02510.10		O		F, QPL	"F" must document steel manufacturer's identification markings rolled into the bar.  "QPL" is for rebar manufacturer.
		Dowels	02510.50		Q, O		F	"Q" is from steel manufacturer.
		Epoxy Coated Reinforcement	02510.11(a)		Q, O		F	"Q" is for CRSI epoxy coating plant certification.

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00530 <i>(con't)</i>	Steel Reinforcement for Concrete <i>(continued)</i>	Headed Bar Reinforcement	00530.35 00530.47 02510.25	T	Q, O	L	F, QPL	"Q" is from headed bar manufacturer.  "L" is test results from ODOT Salem Central Materials Lab. Submit three (3) 4 ft. field samples for installer qualification according to 00530.35 to ODOT Salem Central Materials Lab. Submit quality control samples according to 00530.47(b)(4).  "F" must document steel manufacturer’s identification markings rolled into the bar.  "QPL" is for rebar manufacturer.
		Galvanized Coating	02510.30		Q, O		F	"Q" is from galvanizer.
		Mechanical Splices	00530.30 00530.42(c) 02510.20	T	Q, E, O	L	F, QPL	"Q" is from splice manufacturer.  "E" is submittal(s) according to 00530.42(c)(1) at least 14 Calendar Days before splice installation when grout sleeve mechanical splices allowed.  "L" is test results from ODOT Salem Central Materials Lab. Submit three 8 ft. field samples for installer qualification according to 00530.30 to ODOT Salem Central Materials Lab. Submit quality control samples according to 00530.42(c)(2)(d).  "QPL" is for splice manufacturer.  Do not begin mechanical splice installation until the Engineer confirms, in writing, the qualification of each mechanical splice installer.
		Stainless Steel Chairs and Supports	02513.30		Q, O		F	
		Stainless Steel Concrete Inserts	02513.35		Q, O		F	
		Stainless Steel Dowels	02513.50		Q, O		F	
	<i>(continued on next page)</i>							

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LAB	ENGR.							
00530 <i>(con't)</i>	Steel Reinforcement for Concrete <i>(continued)</i>	Stainless Steel Mechanical Splices	00530.30 00530.42(c)(1) 02513.20	T	Q, E, O	L	F	"Q" is from splice manufacturer.  "E" is submittal(s) according to 00530.42(c)(1) at least 14 Calendar Days before splice installation when grout sleeve mechanical splices allowed.  "L" is test results from ODOT Salem Central Materials Lab. Submit three 8 ft. field samples for installer qualification according to 00530.30 to ODOT Salem Central Materials Lab. Submit quality control samples according to 00530.42(c)(2)(d).  Do not begin mechanical splice installation until the Engineer confirms, in writing, the qualification of each mechanical splice installer.
		Stainless Steel Deformed Bar Reinforcement (A955)	02513.10		Q, O		F	
		Stainless Steel Tie Wire	02513.60		Q, O		F	
		Welded Wire Fabric	02510.40	T	T, O	L	F	"T" is from steel manufacturer.  "L" is test results from ODOT Salem Central Materials Lab. Submit minimum of one full width of sheet by 3 ft. field sample for each size of reinforcement per Project to ODOT Salem Central Materials Lab.
		Wire Reinforcement	02510.60	T	T, O	L	F	"T" is from steel manufacturer.  "L" is test results from ODOT Salem Central Materials Lab. Submit minimum of one full width of sheet by 3 ft. field sample for each size of reinforcement per Project to ODOT Salem Central Materials Lab.
		Concrete Inserts	00530.14		Q, O		F	"Q" is from galvanizer.
		Galvanized Tie Wires	00530.41(b)		Q, O		F	"Q" is from galvanizer.

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00535	Post-Installed Anchor Systems	Resin Bonded Anchor System Submittals	00535.01 00535.30		P			"P" is personnel qualifications according to 00535.01 and 00535.30 at least 21 Calendar Days before starting Work for anchor installation horizontally or upwardly inclined.
		High-Strength Anchor Bolts	00535.10(a) 02560.30(b) 02560.40(b) 02560.60(b)	T	T, Q, O	L	F	"T" is from steel manufacturer.  "Q" is from galvanizer.  "L" is test results from ODOT Salem Central Materials Lab. Sample and test according to 02560.60(b). Submit to ODOT Salem Central Materials Lab.  Prior to installation contact Structure Services (503-986-3056). Do not begin installing the anchor system until the installation process is approved.
		Carbon Steel Anchor Bolts	00535.10 02560.30(a) 02560.40(b)		T, Q, O		F	"T" is from steel manufacturer.  "Q" is from galvanizer.  Prior to installation contact Structure Services (503-986-3056).
		Reinforcement	Refer to 00530 in this guide.					
		Resin – Polyester, Vinyl Ester or Epoxy	00535.10(a)		Q		F, QPL	Refer to Special Provisions and QPL remarks for additional requirements and type of resin to use.
		System Embedment Test	00535.45(a)(1) Anchor Test Summary 00535.45(c)	NEW ITEM - Refer to MFTP.				Refer to Special Provisions.
	Mechanical Anchor System 00535.10(b)	Anchor System - Stainless Steel - Galvanized	00535.10(b)		Q		F, QPL	Refer to Special Provisions.  "Q" is from galvanizer when specified.
		System Embedment Test	00535.45(a)(2) Anchor Test Summary 00535.45(c)	NEW ITEM - Refer to MFTP.				Refer to Special Provisions.

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00536	Internal Shear Anchors	Internal Shear Anchors Submittals	00536.03 00536.41		E			"E" is submittal(s) according to 00536.03 at least 12 Calendar Days before beginning internal shear anchor Work.  Do not begin drilling holes in the Bridge until the Engineer has provided written approval of the demonstration.
		Crack Injection Epoxy Resin	00536.10 00536.13		E		F, QPL	"E" is submittal(s) according to 00536.13 before beginning epoxy resin installation.
		Threaded Shear Anchors	00536.11 02560.60(b)	T	T, O	L	F	"L" is test results from ODOT Salem Central Materials Lab.
		Concrete Repair	00536.12 02015				F, QPL	Must be compatible with epoxy resin.
00538	Crack Injecting Existing Bridges	Submittals	00538.01 00538.30		E			"E" is submittal(s) according to 00538.01 at least 6 Calendar Days before beginning Work.  Do not begin crack injection Work until the Engineer has approved, in writing, the proposed personnel.
		Epoxy Resin	00538.10 00538.13		E		F, QPL	"E" is submittal(s) according to 00538.13 before beginning epoxy resin installation.  Surface seal must be compatible with epoxy resin.
		PCC Patching Material	00538.12 02015				F, QPL	
00539 Special Provision	Concrete and Crack Sealing  Refer to Special Provisions for any additional contract specific requirements.	Submittals	00539.40(c)		E			"E" is submittal(s) according to 00539.40(c).  Do not proceed with the Work until the proposed procedure has been approved by the Engineer.  Note: Pre-placement meeting at least 10 Calendar Days before applying the sealer.
		Concrete and Crack Sealer	00539.10 02060				F, QPL	Refer to Special Provisions for modulus requirement.
		PCC Repair Material	00539.10 02015				F, QPL	Must be compatible with sealer.



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00540	Structural Concrete	Falsework Submittals	00540.41 00540.42		E			"E" is submittal(s) according to 00540.41 and 00150.35.  Do not place concrete until all construction concerns have been addressed, the falsework design engineer furnishes the Engineer a written statement that the falsework conforms to the design and will serve the intended use, and the Engineer agrees in writing that the falsework will serve the intended use.	
		Sidewalk Ramps and Pedestrian Activated Signals	00540.03		E, P		R	"E" and "P" are for required submittal(s) according to 00540.03  "R" is for ODOT ADA Curb Ramp Inspection Form Series 734-5020 (A-H) and ODOT Push Button Inspection Form Series 734-5245 (A-B) for each structure.	
		Concrete and Crack Sealers	Refer to 00539 in this guide.						
		Concrete Coating	02210.10 02210.30		Q		F, QPL	"Q" is package labeling information according to 02210.10(b).	
		Curing Blanket for Concrete Bridge Decks	02050 00540.51(b)				F, QPL		
		Concrete Surface Retarder Epoxy and Non-Epoxy Bonding Agents Epoxy and Non-Epoxy Grouts Epoxy Cement PCC Repair Material Hot Applied Joint Sealant Preformed Expansion Joint Filler	02055 02070  02080 02060 02015 02440.30 02440.10				F, QPL	Refer to Special Provisions for epoxy cement modulus requirement.	
00543 Special Provision	Architectural Treatment  Refer to Special Provisions for any additional contract specific requirements.	Architectural Treatment Submittals	00543.02		E			"E" is submittal(s) according to 00543.02 at least 10 Calendar Days before the preconstruction conference.	
00545	Reinforced Concrete Bridge Approach Slabs	Reinforcement and Dowels	Refer to 00530 in this guide.						
		Pipe Under Approach Slabs	00545.10		Q, O, C		F	"Q" is markings on pipe and galvanizing certification when applicable.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document pipe markings, manufacturer's name, size, AASHTO or ASTM designation, and coating type.	
		Expansion Joints	Refer to 00585 in this guide.						

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00550	Precast Prestressed Concrete Members	Design Submittals	00550.02		E			"E" is for submittal(s) according to 00550.02 and 00150.35.  Do not incorporate alternate materials or members into the Work until the proposal has been accepted by the Engineer.
		Precast Prestressed Members	00550	T, Q, O		I	F	"T" is from steel manufacturer.  "I" is for strand, hardware, reinforcing, concrete and Aggregate in precast concrete members.  Structure Services will perform inspection and testing for all Materials and fabrication.
		- Backer Rod - Concrete Coating - Epoxy and Non-Epoxy Grout - Epoxy Coating - Keyway Grout - PCC Repair Material - Hot Applied Joint Sealant	02440.14 02210 02080 02510.11 02080.30 02015 02440.30				F, QPL	"F" for concrete coating must document conformance to 02210.10(b).
		High-Strength - Tie Rods - Nuts and Washers	00550.50 02560.20 02560.30 02560.40 02560.60(b)	T	T, Q, O	L	F	"T" is from manufacturer.  "Q" is from galvanizer.  "L" is test results from ODOT Salem Central Materials Lab. Sample and test according to 02560.60(b). Submit to ODOT Salem Central Materials Lab.  "F" must document nil gap according to 00550.50.
		Elastomeric Bearing Pads	Refer to 00582 in this guide					
00555	Post-Tensioning   <i>(continued on next page)</i>	Submittals - Test Report - Working Drawings and Calculations - Review of Methods	00555.40		E			"E" is for submittal(s) according to 00555.40 and 00150.35.  Do not cast any member to be stressed before the Working Drawings have been reviewed.
		Anchorage - Proprietary Devices	00555.03 02530 02540		T, O		F	"T" is from anchorage assembly manufacturer.
		Anchorage - Non-Proprietary Devices, Fabricated Steel Items	Refer to 00560 in this guide.					

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			LAB	ENGR.				
00555 <i>(con't)</i>	Post-Tensioning <i>(continued)</i>	Tendon Duct	02515.50		Q, O		F	"Q" is from galvanizer and duct manufacturer.
		Seven-Wire Strand - Bright Wire and Epoxy Coated	02515.10 02515.40	T	T, Q, O	L	F	"T" is from strand manufacturer.  "Q" required for epoxy coating.  "L" is test results from ODOT Salem Central Materials Lab. Submit for testing, prior to use, one 8 ft. field sample from each reel, coil or pack to ODOT Salem Central Materials Lab.
		High Tensile Strength Wire	02515.20	T	T, O	L	F	"T" is from wire manufacturer.  "L" is test results from ODOT Salem Central Materials Lab. Submit for testing, prior to use, minimum of one 8 ft. field sample from each 10 coils to ODOT Salem Central Materials Lab.
		High-Strength Steel Bars	02515.30	T	T, O	L	F	"T" is from manufacturer.  "L" is test results from ODOT Salem Central Materials Lab. Submit for testing, prior to use, one 4 ft. bar field sample from each heat number to ODOT Salem Central Materials Lab.
		Tendon Grout	00555.12 00555.13 02080.50		T, R		F, QPL	"T" is results from trial batch.  "R" is field test of grout according to 00555.43.
00556	Multi-Layer Polymer Concrete Overlay	Submittals	00556.03 00556.04 00556.05 00556.10 00556.30		E			"E" is submittal(s) according to 00556.03, 00556.04, 00556.10, and 00556.30 at least 21 Calendar Days before the pre-placement conference.  Do not begin overlay Work until meeting according to 00556.05(b) is held.  MPCO manufacturer technical representative must be present according to 00556.30.
		Multi-Layer Polymer Concrete Overlay (MPCO)	00556.10(a)				F, QPL	
		MPCO Aggregate	00556.10(b)				F, QPL	

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00557	Premixed Polymer Concrete Overlays	Submittals	00557.02 00557.04 00557.05 00557.22 00557.30 00557.44		E	L		"E" is submittal(s) according to 00557.02, 00557.04, 00557.22, 00557.30 and 00557.44 at least 21 Calendar Days before the pre-placement conference.  Do not begin PPC pavement overlay Work until meeting according to 00557.05(b) is held.  System provider's technical representative must be present according to 00557.30(d).  "L" is test results from ODOT Salem Central Materials Lab. Submit for testing, prior to use, two 50 lb. samples of the blended aggregate to ODOT Salem Central Materials Lab.
00559	Structural Concrete Overlays	Concrete and Crack Sealers	Refer to 00539 in this guide.					Do not begin resurfacing Work until meeting according to 00559.04(b) is held.
		PCC Repair Material	00559.10 02015		Q		F, QPL	
		Curing Materials	02050		Q		F, QPL	
00560	Structural Steel Bridges	Submittals - Working Drawings	00560.03		E			"E" is submittal(s) according to 00560.03, 00150.35 and 00560.22(a).  Work done before review of Working Drawings and any revisions is at the Contractor's risk.
		- Erection Plan (Stamped)	00560.04		E			"E" is submittal(s) according to 00560.04 and 00150.35 at least 21 Calendar Days before the start of the steel erection Work.  Do not perform Work until approval has been obtained.  <b>Note:</b> 00560.05 Pre-Erection Coordination Meeting.
		(continued on next page)						

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LAB	ENGR.							
00560 (con't )	Structural Steel Bridges (continued)	Fabricated Steel Items	00560.30 02530	T, O	Q	I	F	<p>"T" is from steel manufacturer.</p> <p>"Q" is fabricator certification under AISC according to 00560.30. Note: certification has been updated from CBR to IBR.</p> <p>Structure Services will perform inspection and testing for all Materials and fabrication. Engineer is responsible for notification of fabrication and for providing Working Drawings to ODOT Milwaukie Materials Lab (971-673-7002).</p> <p>According to 00560.20, give the Engineer at least 14 Calendar Days' notice of the beginning of Work at the mill, when directed, or at the shop, so inspection may be provided.</p>
		High-Strength - Anchor Bolts - Nuts and Washers	02560.30(b,c,d) 02560.40 02560.60(b)	T	T, Q, O	L	F	<p>"T" is from manufacturer.</p> <p>"Q" is from galvanizer.</p> <p>"L" is test results from ODOT Salem Central Materials Lab. Submit samples per size per lot according to 02560.60(b) to ODOT Salem Central Materials Lab for testing.</p>
		Carbon Steel - Tie Rods - Anchor Bolts/Rods - Nuts and Washers	02560.30(a,c,d) 02560.40		T, Q, O		F	<p>"T" is from manufacturer.</p> <p>"Q" is from galvanizer.</p>
		High-Strength - Bolts, Nuts and Washers	02560.20 02560.40 02560.60	T	T, Q, O, R	L	F	<p>"T" is from manufacturer and includes RoCap testing from high-strength bolt Supplier according to 02560.60(a).</p> <p>"Q" is from galvanizer.</p> <p>"R" is RoCap field testing at the time of installation according to 00560.29 and 02560.60(a).</p> <p>"L" is test results from ODOT Salem Central Materials Lab. Submit samples per size per lot according to 02560.60(b) to ODOT Salem Central Materials Lab for testing.</p> <p>Prior to installation contact Structure Services (503-986-3056).</p>

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				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL		
00566	Carbon Fiber Reinforced Polymer Strengthening - Near Surface Mounted	Submittals - Materials Certifications - Test Results - Personnel Qualifications - Working Drawings and Calculations	00566.03		E			"E" is submittal(s): - according to 00566.03(a), 00566.03(b), 00566.03(d) and 00150.35 at least 21 Calendar Days before starting Work; and - according to 00566.03(c) at the pre-construction conference.  Certified personnel must be present according to 00566.30.	
		CFRP Bar	00566.10 00566.12	T	T, Q	L	F	"T" is from Manufacturer.  "Q" is from Manufacturer.  "L" is test results from ODOT Salem Central Materials Lab. Submit for testing, at least 21 Calendar Days prior to use, five 8 ft. field samples per lot to ODOT Salem Central Materials Lab.	
		High-Strength Epoxy Resin	00566.11				F, QPL	Epoxy resin as recommended by the CFPR manufacturer may be used with Engineer approval.	
00570	Timber Structures	Submittals	00570.12		E			"E" is submittal(s) according to 00570.12 and 00150.35 for prefabricated material before fabrication.	
		Coating Metal Parts	00570.11 00594.10 00594.11 02530.70		Q		F, QPL	"Q" is from galvanizer or coating manufacturer.  "QPL" is for coating material.	
		Coatings for Timber	02210.20 02210.21		Q		F, QPL	"Q" is package labeling information according to 02210.10(b).	
		Connectors and Fasteners	02150		T, Q, O		F	"Q" is from galvanizer and manufacturer.  "T" is for connectors according to 02150.20(e). Refer to Special Provisions 00570.15 for requirements.	
		Driven Piles	Refer to 00520 in this guide.						
		Glued Laminated Timber and Preservative Treatment	02140 02190	T		I	F	Structure Services will perform inspection and testing for all Materials and fabrication.	
		Timber/Lumber and Preservative Treatment	02130 02190	Q, C		I	F	"Q" is either grade-stamp or mill certification.  "C" is for Construction Material according to 00165.20(d)  Structure Services will perform inspection and testing for all Materials and fabrication.	
		Field Treatment	02190.30				F, QPL	Field treat damaged or drilled surfaces.	

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00581	Bridge Drainage System	Steel Pipe	00581.10		Q, O		F	"Q" is from galvanizer and pipe manufacturer.
		Fabricated Steel Items	02530.20		Q, O		F	"Q" is from galvanizer and fabricator.
		Fasteners	02560		T, Q, O		F	"Q" is from galvanizer and connector manufacturer.  "T" is for high-strength applications.
00582	Bridge Bearings	Fabrication Submittals	00582.30		E			"E" is submittal(s) according to 00582.30 and 00150.35.
		Composite Bearings	00582.20 02570	T, Q, O, C		I	F, QPL	"T" is from pad manufacturer.  "Q" is by independent lab.  "C" is for Construction Material CMO according to 00160.20(d)  "I" is inspection report by Structure Services.
		Elastomeric Bearings - Laminated	02571	T, Q, O		I	F	Structure Services will perform inspection or testing for all Materials and fabrication.  Contact ODOT Milwaukie Materials Lab (971-673-7002) to coordinate inspection.
		Elastomeric Bearings - Plain, Non- Laminated	02571		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)
		Fabricated Steel Items - Rockers and Hangers (Bearings)	02570	T,O		I	F	Structure Services will perform inspection and testing for all Materials and fabrication.  Contact ODOT Milwaukie Materials Lab (971-673-7002) to coordinate inspection.
00583	Electrical Conduit On Structures   (continued on next page)	Submittals - Materials - Procedures	00583.03		E			"E" is submittal(s) according to 00583.03 and 00150.37 at least 21 Calendar Days before the scheduled start of the Work.  Do not begin work before receiving written approval of submittals from the Engineer.
		- Working Drawings, Stamped	00583.03		E			"E" is submittal(s) according to 00583.03 and 00150.35.
		- As-Built Drawings	00583.03		E			"E" is submittal(s) according to 00583.03 and 00150.37 within 30 Calendar Days of completing the Work.

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00583 <i>(con't)</i>	Electrical Conduit On Structures <i>(continued)</i>	Conduit and Elbows	00583.10		Q, O, C		F	"Q" is from galvanizer and manufacturer for GRC; from manufacturer for RMC and SS.  "C" is for Construction Material CMO according to 00160.20(d)  "O" is for GRC, RMC and SS.
		Fittings and Conduit Bodies	00583.11		Q, O, C		F	"Q" is from galvanizer and manufacturer for galvanized iron; from manufacturer for SS.  "C" is for Construction Material CMO according to 00160.20(d)  "O" is for galvanized iron and SS.
		Junction Boxes	00583.12		Q, O		F	"Q" is from galvanizer and manufacturer for galvanized steel; from manufacturer for SS.  "O" is for galvanized steel and SS.
		Supports	00583.13 002560.10		Q, O		F	"Q" is from galvanizer and manufacturer.
		Repair of Galvanizing	00583.60	Refer to 00450 in this guide.				
00584	Elastomeric Concrete Nosing	Manufacturer's Representative	00584.30		P			"P" is manufacturer representative's certification according to 00584.30.  Manufacturer's representative must be present according to 00584.30.
		Nosing Material	00584.10		Q		F, QPL	"Q" is package labeling information according to 00584.10.
		Premixed Polymer Concrete	Refer to 00557 in this guide.					
		Epoxy	00584.10				F, QPL	



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00585	Expansion Joints  <							

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00585 <i>(con't)</i>	Expansion Joints <i>(continued)</i>	Poured Joint Seal	00585.10 02440.11				F, QPL	
		Precompressed Foam Silicone Joint Seal	00585.10 00585.11 02440.23				F, QPL	
		Preformed Compression Joint Seal	00585.10 00585.11 02440.22		Q, C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)
		Preformed Joint Filler for Concrete	00585.10 00585.11 02440.10		Q, C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)
		Stainless Steel Sliding Surfaces	02570.10		T, Q, O		F	
		Steel Bridging Plate (Asphaltic Plug Joint Seal)	00585.10 00585.11 02440.19		Q, O		F	"Q" is from galvanizer.
		Strip Seal	00585.10 00585.11 02440.20		Q, O		F, QPL	This is the complete Expansion Joint System from the QPL.
		Structural Steel	02530		T, Q, O		F	
00586 <b>Special Provision</b>	Expansion Joints - Modular  <i>Refer to Special Provisions for any additional contract specific requirements.</i>	Submittals	00586.03		E			"E" is submittal(s) according to 00586.03.
		Modular Bridge Joint System (MBJS)	00586 00586.20 00586.30		T, M		F	Acceptable joint manufacturer according to Special Provisions.  "T" and "F" includes individual components listed in 00586 of this guide.  "M" required for completed system according to 00586.48.  Manufacturer's representative must be present according to 00586.30.
		- Elastomeric Strip Seal	02440.20		Q			
		- Lubricant/Adhesive	00586.10 02440.15		Q			
		- Polytetrafluoroethylene (PTFE)	02570.10		T, Q			
		- Stainless Steel Sliding Surfaces	02570.10		T, Q, O			
		- Structural Steel	02530.20		T, Q, O			

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						MATERIALS LAB	FIELD PERSONNEL		
				LAB	ENGR.				
00587	Bridge Rails (Including Pedestrian Rail)	Bridge Rails - Structural Steel Tubing	00560 02810.20	Q, O	E	I	F	Structure Services will perform inspection and testing for all Materials and fabrication. Engineer is responsible for notification of fabrication and for providing shop drawings to ODOT Milwaukie Materials Lab (971-673-7002).	
		- Tube (Steel Pipe)	02810.30		Q, O		F		
		- Cast Steel Posts	02810.40		Q, O		F	"Q" is from fabricator and galvanizer.	
		- Thrie Beam Rail (Metal)	02810.50		Q, O		F	"Q" is visual verification of AASHTO M 180, Class A, Type II stamp.  "F" must document AASHTO M 180, Class A, Type II stamp.  Guardrail without stamp will be rejected.	
		- Epoxy Anchor Adhesive	02810.15				F, QPL	"QPL" is for Hilti HIT-HY200-A, Hilti HIT-RE 500v3, Red Head C6+ or Ultrabond HS-1CC only.	
		Coating Materials for Concrete	02210.10 02210.30		Q		F, QPL	"Q" is package labeling information according to 02210.10(b).  "QPL" is for latex emulsion paint only.	
		Grout	02080.30				F, QPL	"QPL" is for keyway grout only.	
		Reinforcement	Refer to 00530 in this guide						
		Fasteners	Refer to 00560 in this guide						
		Structural Steel	Refer to 00560 in this guide.						

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						MATERIALS LAB	FIELD PERSONNEL	
LAB	ENGR.							
00588 Special Provision	Precast Historic Ornamental Bridge Rails  Refer to Special Provisions for any additional contract specific requirements.	Precast Unit	00588	T, Q, O		I	F	“T” is from steel manufacturer. “I” is for strand, hardware, reinforcing, concrete and Aggregate in precast concrete units.  Structure Services will perform inspection and testing for all Materials and fabrication.
		- Backer Rod - Concrete Coating - Epoxy and Non-Epoxy Grout - Epoxy Coating - Keyway Grout - PCC Repair Material - Poured Joint Filler	02440.14 02210 02080 02510.11 02080.30 02015 02440.30				F, QPL	
		High-Strength - Tie Rods, Nuts and Washers	00550.50 02560.20 02560.30 02560.60(b)	T	T, Q, O	L	F	“T” is from manufacturer.  “Q” is from galvanizer.  "L" is test results from ODOT Salem Central Materials Lab. Submit samples per size per lot according to 02560.60(b) to ODOT Salem Central Materials Lab for testing.
00590	Polymer Membrane	Submittals	00590.02 00590.04		E, R			"E" is submittal(s) according to 00590.02 and 00590.04 at least 7 Calendar Days before the preplacement conference.  "R" is daily report according to 00590.40(e).
		- Primer - Polymer Membrane - Broadcast Aggregate	02060.10 00556.10(a) 00556.10(b)		Cr		F, QPL	Epoxy polymer and primer from same manufacturer.  "C" is for Construction Material CMO according to 00160.20(d)
00591 Special Provision	Spray Waterproofing Membrane  Refer to Special Provisions for any additional contract specific requirements.	Warranted Spray Waterproofing Membrane System	00591.10 00591.30 00591.46 00591.48 00591.75		W, P, R		F, QPL	"P" is applicator certification according to 00591.31.  "R" is manufacturer representative's daily reports according to 00591.30, 00591.46, and 00591.48.  Required warranty statement is located on QPL Product Review website under section 00591.  Do not begin membrane Work until the manufacturer's representative is on-site and authorizes the work to begin.

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00592	Rolled Waterproofing Membrane	Submittals	00592.03 00592.30		E			"E" is submittal(s) according to 00592.03 and 00150.35 at least 7 Calendar Days before the pre-placement meeting for each membrane proposed for use; and according to 00592.30.  Do not begin any Bridge membrane Work before the work plan and submittals have been approved.
		Rolled Waterproofing Membrane System	00592.10		T, R, C		F	"R" is manufacturer representative's daily reports according to 00592.43.  "C" is for Construction Material CMO according to 00160.20(d)
00593	Powder Coating Metal Structures	Submittals - Powder Coating Plan - Coating Materials Certification	00593.03		E			"E" is submittal(s) according to 00593.03 at least 7 Calendar Days before the date that preparation and coating operations are scheduled to begin.
		Powder Coating	00593.10		Q		F	
		Structural Steel Caulking	Refer to 00594 in this guide.					
00594	Preparing and Coating Metal Structures	Precoating Conference and Submittals	00594.03		E			"E" is submittal(s) according to 00594.03 at least 21 Calendar Days before the precoating conference.  Do not begin any preparation or coating Work before the plan for completing the Work has been approved.
		<b>Note:</b> Maximum 20 gallons of each type of paint may be accepted as small quantity per Project. Requires "T" and "Q" from paint manufacturer and "F."						
		Coating Materials	00594.11	T, Q	W	L	F, QPL	"T" is for each batch of each coat according to 00594.11(c).  "Q" is package labeling information according to 00594.11(b).  "W" is coating system warranty if specified in Special Provisions 00594.75.  "L" is test results from ODOT Salem Central Materials Lab. Submit field sample for testing according to 00594.11(c) to ODOT Salem Central Materials Lab.
		Structural Steel Caulking	00594.12				F, QPL	

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00595	Reinforced Concrete Box Culverts	Design of Precast Sections	00595.03		E			"E" is submittal(s) according to 00595.03 and 00150.35.  Do not begin precast culvert fabrication or construction before receiving written approval from the Engineer.
		Cast-in-Place	Refer to 00530 in this guide for reinforcement. Refer to 00540 in this guide for concrete coating.					
		Precast Unit	00595.11	T, O		I	F	"T" is from steel manufacturer.  Contact Structure Services (503-986-3056) for acceptance information 21 Days prior to concrete box culvert casting. Requires Structure Services inspection.  Structure Services will perform inspection and testing for all Materials and fabrication.
		Joint Seals	02440.40		Q		F	"Q" is from joint seal manufacturer.
00596A	Mechanically Stabilized Earth Retaining Walls	Proprietary MSE Retaining Walls Submittals	00596A.04 00596A.31		E, O, P			"E" is submittal(s) according to 00596A.04, 00150.35 and 00150.37 at least 30 Calendar Days before beginning construction of proprietary retaining walls.  "P" and "O" are <del>is</del> submittal(s) according to 00596A.04 and 00596A.31.  Do not begin construction of the wall system before receiving written approval from the Engineer.
		Proprietary MSE Retaining Walls	00596A.01 00596A.31		M, R		F	Refer to Special Provisions for pre-approved proprietary systems available for use.  "M" is manufacturer's final reports according to 00596A.31 (d) .  "R" is manufacturer's daily reports according to 00596A.31(b).  Manufacturer's representative required activities, field presence, availability for technical assistance according to 00596A.31.
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00596A <i>(con't)</i>	Mechanically Stabilized Earth Retaining Walls <i>(continued)</i>	Nonproprietary MSE Retaining Walls Submittals	00596A.05		E			"E" is submittal(s) according to 00596A.05 and 00150.35 at least 30 Calendar Days before beginning construction of nonproprietary retaining walls.  Do not begin construction of the wall system before receiving written approval from the Engineer.	
		Dry Cast Concrete Modular Block Facing	00596A.12(b)		T, Q, O		F	"T" and "Q" are from manufacturer and must conform to 00596A.12(b) test requirements and tolerances. Maximum 2000 blocks per subplot. Blocks must have been tested by subplot.	
		Wet Cast Concrete Modular Block Facing	00596A.12(c)		T, Q, O		F	"T" and "Q" are from manufacturer and must conform to 00596A.12(c) test requirements and tolerances. Maximum 20 blocks per subplot or one Day's production, whichever is less. Blocks must have been tested by subplot.	
		Precast Concrete Panel Facing	00596A.12(e)		O		F	ODOT approved manufacturers: - Oldcastle Infrastructure, Wilsonville, OR - Freedom Precast, Salem, OR	
						I		<b>If not from ODOT approved manufacturer</b> , contact Structure Services (503-986-3056) for acceptance information 21 Days prior to casting. Requires Structure Services inspection.	
		Steel Reinforcement for Concrete	Refer to Section 00530 in this guide.						
		Steel Components	00560.00 00596A.13(b)	All steel components must conform to 00560 and 00596.13(b). Refer to Contract Documents for additional requirements.					
		- Soil Reinforcing Strips	00596A.13(b)(1)		Q, O		F	"Q" is from fabricator and galvanizer.	
		- Soil Reinforcing Mesh > Welded Wire (Shop Fabricated)	00596A.13(b)(2)		Q, O	L	F	"Q" is from fabricator and galvanizer.  "L" is test results from ODOT Salem Central Materials Lab. Submit minimum of one full width of sheet by 3 ft. long field sample per size per Project to ODOT Salem Central Materials Lab.	
		- Soil Reinforcing Mesh > Twisted Wire Mesh	00596A.13(b)(2) 02340		Q, O		F	"Q" is from fabricator and galvanizer.  Refer to 002340.12 for wire dimension openings.	
	<i>(continued on next page)</i>	- Tie Strips	00596A.13(b) (3)		Q, O		F	"Q" is from fabricator and galvanizer.	

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						MATERIALS LAB	FIELD PERSONNEL	
LAB	ENGR.							
00596A (con't)	Mechanically Stabilized Earth Retaining Walls (continued)	- High-Strength > Bolts, Nuts and Washers	00596A.13(b)(4) 02560.20 02560.40	T	T, Q, O	L	F	"T" is from manufacturer.  "Q" is from galvanizer.  "L" is test results from ODOT Salem Central Materials Lab. Submit samples per size per lot according to 02560.60(b) to ODOT Salem Central Materials Lab.
		- Connector Pins and Mat Bars	00596A.13(b)(5)		Q, O		F	"Q" is from fabricator and galvanizer.
		Gabion Baskets	00596A.13(c) 02340		Q, O		F	"Q" is from fabricator and galvanizer.
		Geosynthetics	00596A.14(a-e) 02320	Refer to 00350 in this guide.				
		- Geotextile Soil Reinforcement -	00596A.14(f)(1) 02320	Refer to 00350 in this guide.				
		- Geogrid Soil Reinforcement	00596A.14(f)(2) 02320.10(a)(2) 02320.10(d)(3)	Refer to 00350 in this guide.				Geogrid must be Type 1 MSEW Geogrid.
		Elastomeric Bearing Pads	00596A.15		Q, C		F	"Q" is from manufacturer certifying grade, type and size of bearing pads shown in manufacturer's engineered shop drawings.



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00596B	Prefabricated Modular Retaining Walls	Proprietary Prefabricated Modular Retaining Walls Submittals	00596B.04 00596B.31		E, O, P			"E" is submittal(s) according to 00596B.04, 00150.35 and 00150.37 at least 30 Calendar Days before beginning construction of proprietary retaining walls.  "P" and "O" are submittal(s) according to 00596B.04 and 00596B.31.  Do not begin construction of the wall system before receiving written approval from the Engineer.
		Proprietary Prefabricated Modular Retaining Walls	00596B.01 00596B.10 00596B.31		M, R	I	F	Refer to Special Provisions for pre-approved proprietary systems available for use.  "M" is manufacturer's final reports according to 00596B.31 (d) .  "R" is manufacturer's daily reports according to 00596B.31(b).  Manufacturer's representative required activities, field presence, availability for technical assistance according to 00596B.31  "I" is inspection report from Structure Services. Inspection report is only required for blocks with any dimension over 24". Structure Services will provide inspection.
	(continued on next page)	Nonproprietary Prefabricated Modular Retaining Walls Submittals	00596B.05		E			"E" is submittal(s) according to 00596B.05 and 00150.35 at least 30 Calendar Days before beginning construction of nonproprietary retaining walls.  Do not begin construction of the wall system before receiving written approval from the Engineer.

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00596B <i>(con't)</i>	Prefabricated Modular Retaining Walls <i>(continued)</i>	Precast Concrete Bin Units	00596B.12(b)		T, Q, O	I	F	<p>"T" is from manufacturer and must conform to 00596B.12(b) test requirements. Maximum 10 bins per subplot or one Day's production, whichever is less. Bins must have been tested by subplot.</p> <p>"Q" is from manufacturer for supporting and curing, finish and tolerances.</p> <p>"I" is inspection report from Structure Services.</p> <p>Engineer responsible for notification of fabrication and for providing Working Drawings. Contact Structure Services (503-986-3056).</p>
		Dry Cast Concrete Blocks	00596B.12(c)		T, Q, O		F	<p>"T" and "Q" are from manufacturer and must conform to 00596B.12(c) test requirements and tolerances. Maximum 2000 blocks per subplot. Blocks must have been tested by subplot.</p> <p>Engineer responsible for notification of fabrication and for providing Working Drawings. Contact Structure Services (503-986-3056).</p>
		Wet Cast Concrete Blocks	00596B.12(d)		T, Q, O	I	F	<p>"T" and "Q" are from manufacturer and must conform to 00596B.12(d) test requirements and tolerances. Maximum 20 blocks per subplot or one Day's production, whichever is less. Blocks must have been tested by subplot.</p> <p>"I" is inspection report from Structure Services.</p> <p>Engineer responsible for notification of fabrication and for providing Working Drawings. Contact Structure Services (503-986-3056).</p>
		Precast Concrete Crib Walls	00596B.12(e)		T, Q, O	I	F	<p>"T" is from manufacturer and must conform to 00596B.12(e) test requirements. Maximum 100 crib walls per subplot or one Day's production, whichever is less. Bins must have been tested by subplot.</p> <p>"Q" is from manufacturer for color, finish and tolerances.</p> <p>"I" is inspection report from Structure Services.</p> <p>Engineer responsible for notification of fabrication and for providing Working Drawings. Contact Structure Services (503-986-3056).</p>

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY			
						MATERIALS	FIELD		
LAB	ENGR.	LAB	PERSONNEL						
00596B <i>(con't)</i>	Prefabricated Modular Retaining Walls <i>(continued)</i>	Steel Reinforcement for Concrete	Refer to 00530 in this guide.						
		Metal Bin Gravity Walls – Galvanized Steel Sheets and Hardware	00596B.13(b) 02350		Q, O		F	“Q” is from fabricator and galvanizer.	
		Gabion Baskets	00596B.13(c) 02340		Q, O		F	“Q” is from fabricator and galvanizer.	
		Geosynthetics	00596B.14 02320	Refer to 00350 in this guide.					
00596C	Cast-In-Place Concrete Retaining Walls	Cast-In-Place Retaining Walls Submittals	00596C.05		E		F	"E" is submittal(s) according to 00596C.05 and 00150.35 at least 30 Calendar Days before beginning construction of cast-in-place retaining walls.  Do not begin construction of the wall system before receiving written approval from the Engineer.	
		Steel Reinforcement for Concrete	Refer to 00530 in this guide.						
		Geosynthetics	00596C.14 02320		T		F		
		Piles	Refer to 00520 in this guide.						
00597	Sound Walls  <								

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						MATERIALS LAB	FIELD PERSONNEL	
LAB	ENGR.							
00597 <i>(con't)</i>	Sound Walls <i>(continued)</i>	Precast Concrete Panel Sound Walls <i>(continued)</i>				I		For soundwalls not from ODOT approved manufacturer, contact Structure Services (503-986-3056) for acceptance information 21 Days prior to soundwall casting.  Requires Structure Services inspection.
		Concrete Panel Lock Fence Sound Walls	00597.13		O		F	ODOT approved manufacturers: - Oldcastle Infrastructure, Wilsonville, OR - Jensen Precast, Camas, WA - Freedom Precast, Salem, OR  For soundwalls not from ODOT approved manufacturer, contact Structure Services (503-986-3056) for acceptance information prior to soundwall casting.
00599	Concrete Slope Paving	Grout	00599.10 02080.40		Q		F	
		Reinforcement	Refer to 00530 in this guide.					
00600 - BASES								
00640	Aggegate Base and Shoulders	Aggegate Base and Shoulders	00640.10 00640.16				F	"F" must document visual acceptace of quality requirements according to Section 00640.10
00700 - WEARING SURFACES								
00705	Emulsified Asphalt Prime Coat and Emulsified Asphalt Fog Coat	Section does not contain any nonfield-tested materials.						
00706	Emulsified Asphalt Slurry Seal Surfacing	Additives and Mineral Filler - Cement	02010.10		T or Q		F	
		- Hydrated Lime	02090.10		T or Q		F	
		- Fly Ash	02030.10		T or Q		F	
00710	Single Application Emulsified Asphalt Chip Seal	Section does not contain any nonfield-tested materials.						
00711	Pre Coated Aggregate Asphalt Chip Seal	Section does not contain any nonfield-tested materials.						
00715	Multiple Application Emulsified Asphalt Surface Treatment	Section does not contain any nonfield-tested materials.						
00730	Emulsified Asphalt Tack Coat	Section does not contain any nonfield-tested materials.						
00735	Emulsified Asphalt Concrete Pavement	Section does not contain any nonfield-tested materials.						
00738	Safety Edge	Section does not contain any nonfield-tested materials.						

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				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00740	Commercial Asphalt Concrete Pavement (CACP)	Section does not contain any nonfield-tested materials.						
00743	Porous Asphalt Concrete (PAC)	Section does not contain any nonfield-tested materials.						
00744	Asphalt Concrete Pavement	Transverse Joints - Hot Applied Joint Sealant	00744.45(c)				F, QPL	
00745	Asphalt Concrete Pavement Statistical Acceptance	Aggregate Treatment - Hydrated Lime	02090.20		Q		F	
		Transverse Joints - Hot Applied Joint Sealant	00745.48(c)				F, QPL	
00746	Crack Sealing Flexible Pavements	Hot Applied Joint Sealant	02440.30				F, QPL	
00748	Asphalt Concrete Pavement Repair	Subgrade Geotextile	00748.16 02320.10		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)
		Subgrade Reinforcement Geogrid	00748.16 02320.10		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)
00749	Miscellaneous Asphalt Concrete Structures	Section does not contain any nonfield-tested materials.						
00755	Continuously Reinforced Concrete Pavement	Reinforcement	Refer to 00530 in this guide.					
		Wire Reinforcement (Bar Support)	02510.60		Q, O		F	"Q" is from steel manufacturer.  Requirement is exclusive to transverse bar support assembly, refer to standard detail.
		Curing Materials - Liquid Compounds	02050.10			L	F, QPL	"L" is test results from ODOT Salem Central Materials Lab. Submit one quart samples of each lot to ODOT Salem Central Materials Lab for testing.
		Dowels	02510.50		Q, O		F	"Q" is from steel manufacturer.
		Bonding Agents	02070.10 02070.20				F, QPL	
		Bond Breaker	00755.18		Q, C		F	"C" is for Construction Material CMO according to 00160.20(d)
		Grout	02080.10 02080.20				F, QPL	
		Hot Applied Joint Sealant	02440.30				F, QPL	
		Poured Joint Sealant	02440.11				F, QPL	
		Preformed Joint Fillers for Concrete	02440.10		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)

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						MATERIALS	FIELD	
LAB	ENGR.	LAB	PERSONNEL					
00756	Plain Concrete Pavement	<div>- Reinforcement</div> <div>- Dowels</div> <div>- Curing Materials</div> <div>- Bonding Agents</div> <div>- Grout</div> <div>- Joint Sealant and Fillers</div>	Refer to 00755 in this guide.					
00759	Miscellaneous PCC Structures	<div>Submittals</div> <div>- Working Drawings</div> <div>- Curb Ramp Plan</div>	00759.03		E			"E" is submittal(s): <div>- according to 00759.03(a) , 00759.03(c) and 00150.35 at least 10 Calendar Days before preplacement conference; and</div> <div>- according to 00759.03(b) at least 21 Calendar Days before the curb ramp Work is scheduled to begin.</div> <div>Do not begin any curb ramp Work before the plan for completing the Work has been approved.</div>
		Sidewalk Ramps and Pedestrian Activated Signals	00759				R	"R" is for ODOT ADA Curb Ramp Inspection Form Series 734-5020 (A-H) and ODOT Push Button Inspection Form Series 734-5245 (A-B) for each structure.
		Bar Reinforcement	Refer to 00530 in this guide.					
		Dowels	Refer to 00530 in this guide.					
		Epoxy Bonding Agent	02070.10				F, QPL	
		Preformed Expansion Joint Filler	02440.10		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)
		Welded Wire Fabric	02510.40		Q, O		F	
		Truncated Dome Warning Surfaces	00759.12		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)
		Curing Materials	02050				F, QPL	No testing required when used on miscellaneous PCC Structures.

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00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES								
00810	Metal Guardrail	Guardrail Anchor Hardware	02820.40		Q, O	L	F	“Q” is from galvanizer.  “L” is test results from ODOT Salem Central Materials Lab. Submit one cable assembly per project to ODOT Salem Central Materials Lab for testing.
		Guardrail Hardware Metal Beam Rail	02820.30 02820.10		Q, O		F	“Q” is visual verification of AASHTO M 180, Class A, Type II stamp. "Q" is from galvanizer for hardware  "F" must document stamped markings on guardrail.  Guardrail without stamp will be rejected.
		Metal Posts	02820.20		T, Q, O		F	"T" is from steel manufacturer.  “Q” is from galvanizer.  <b>Note:</b> Metal blocks are not permitted (exception is Standard Drawing BR203).
		Wood Posts and Blocks / Anti - Rotation Nails	02110.10 02110.20 02190 00810.43		Q, O		F	"Q" is from lumber manufacturer for grading and from treating facility for preservative treatment.  ODOT approved manufacturers that treat wood posts and blocks: - Superior Wood Treating, Sumner, WA - Thunderbolt Wood Treating, Riverbank, CA  <b>If posts and blocks are proposed from a source other than ODOT approved manufacturer or a source not on the Structures Services website, contact Structure Services (503-986-3056).</b>
		Recycled Plastic Blocks	02110.20		Q, C		F	Refer to Contract Documents for "Q" requirements or use blocks from QPL.  "C" is for Construction Material CMO according to 00160.20(d)
		Guardrail Terminals	00810.10		O		F, QPL	
		Salvaged Materials	00810.15				F	"F" must document verification only existing Materials were used.

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				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00811	Cable Barrier	Cable Barrier	00811.10 00811.40		R, O		F, QPL	"R" is tension log and recommended manufacturer's tension chart.
		Cable Barrier Terminals & Connections	00811.11		O		F, QPL	
00812	Adjusting and Repairing Guardrail	Replace Damaged Materials	Refer to 00810 in this guide.					
		Repair Galvanizing	00812.40		Q		F	
		Wood Preservative	00812.41(a)				F, QPL	
00815	Bollards	Reflective Sheeting	00815.10 02910.20				F, QPL	
		Posts, Sleeves, Plates, Shapes, Fasteners and Hardware	00815.11 00815.12 00815.13		Q, O		F	"Q" is from manufacturer and galvanizer.
		PVC Pipe	00815.14		Q, C		F	"Q" is markings on pipe.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document pipe markings, manufacturer's name and/or trademark, size and ASTM designation.
00820	Concrete Barrier (Cast in Place)	Concrete Coating	02210.30		Q		F, QPL	"Q" is package labeling information according to 02210.10(b).
		Reinforcement - Bar and Welded Wire Fabric	Refer to 00530 in this guide.					
		Hardware Loop Bars C-Shape Connectors	00820.11		Q, O		F	"Q" is from hardware fabricator and galvanizer.
		Portland Cement Grout	02080.40		Q		F	
		Preformed Joint Filler	02440.10		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)
	Concrete Barrier (Precast)	Barrier	00820.11		O		F	Listed below are ODOT approved manufacturers: - Knife River, Harrisburg, OR - Oldcastle Infrastructure, Wilsonville, OR - Jensen Precast, Camas, WA - Oldcastle Infrastructure, Nampa, ID - Freedom Precast, Salem, OR - Rogue Valley Precast, White City, OR  Refer to 00226 for temporary barrier.
						I		If barrier are not from ODOT approved manufacturer, contact Structure Services (503-986-3056) for acceptance information 21 Days prior to barrier casting. Requires Structure Services inspection.
(continued on next page)								



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00820 <i>(con't)</i>	Concrete Barrier (Precast) <i>(Continued)</i>	Concrete Coating	02210.30		Q		F, QPL	"Q" is package labeling information according to 02210.10(b).
		Portland Cement Grout	02080.40		Q		F	
		Hardware	00820.11(b)		Q, O		F	"Q" is from hardware fabricator and galvanizer.
00822 Special Provision	Glare Shields  <i>Refer to Special Provisions for any additional contract specific requirements.</i>	Glare Shields	00822.10				F, QPL	
		Hardware	00822.10		Q, O		F	"Q" is from fabricator and galvanizer.
00830	Impact Attenuators	Impact Attenuator System	00830.10		O		F, QPL	
00840	Delineators and Milepost Marker Posts	Barrier Markers	00840.10		C		F, QPL	
		Delineator Reflective Sheeting	00840.10				F, QPL	
		Flexible Delineators	00840.10		O		F, QPL	"O" is for drive anchor.
		Galvanized Milepost Marker Posts	00840.11		Q, O		F	"Q" is from fabricator and galvanizer.
		Delineator Steel Posts	00840.11		Q, O		F	"Q" is from fabricator and galvanizer.  Refer to Standard Drawings TM570 and TM571.
00842	Facility Identification Markers	Stormwater Control Facility Field Markers - Type S1 Markers	00840.10 00842.10(a)(1)				F, QPL	Type 2 flexible delineator (green and red).
		- Type S2 Markers and Type 1U Support Posts	00842.10(a)(2) 00840.11		Q, O		F	Galvanized Type 1U post with white aluminum marker.  "Q" is from fabricator for markers. "Q" is from fabricator and galvanizer for posts.  "O" is for Type 1U posts and hardware.
		- Type S3 Markers	00842.10(a)(3) 02450.30		Q, O		F	Manhole cover.
		Culvert Drainage Facility Markers - Type 1 Drainage Markers	00842.10(b)(1) 00850.10				F, QPL	Type B according to 00867.45.
		- Type 2 Drainage Markers and Type 1U Support Posts	00842.10(b)(2) 00840.11		Q, O		F	Galvanized Type 1U post with white aluminum marker.  "Q" is from fabricator for markers. "Q" is from fabricator and galvanizer for posts.  "O" is for Type 1U posts and hardware.
		Bridge Facility Markers - Markers	00842.10(c) 02910		Q		F	Aluminum sheet.
		- Galvanized Type 1 Support Posts	00840.11 00842.10(c)		Q, O		F	"Q" is from fabricator and galvanizer.
	- SS Mechanical Anchors	00842.10(c)		O		F, QPL	Refer to QPL 00535.10B.	

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						MATERIALS LAB	FIELD PERSONNEL	
			LAB	ENGR.				
00850	Pavement Markings	Submittals	00850.31 00850.40 00850.42		E, P			"E" is submittal(s):  - according to 00850.40 at least 7 Calendar Days before the loss of existing pavement markings; and  - according to 00850.42 at least 5 Calendar Days before the pre-stripping conference.  "P" is submittal(s) according to 00850.31 for Sections referencing 00850.31.  Do not begin installation before receiving the Engineer's approval.
		- Adhesive for Pavement Markers - High Performance Pavement Markings - Methyl Methacrylate - Pavement Markers - Marking Paint - Marking Tape - Thermoplastic	00850.10 00850.30 00865.75 00866.75 00867.75 00868.75		W, C		F, QPL	"W" is for Pavement markings requiring manufacturer's warranty.  "C" is for Pavement Marker, Type 2  Certified installers required for Sections referencing 00850.31.  Manufacturer's representative required to be on-site during installation and authorized to sign warranty on
		Reflective Elements	00850.10 00850.47(c)		R, C		F, QPL	"QPL" is for paint application, otherwise follow manufacturer's recommendation.  "R" is for non-paint applications. Test according to ODOT TM777 providing retroreflectivity test printouts and summary forms.
		Bituminous Adhesive – Permanent Applications	00850.11			L	F, QPL	"L" is test results from ODOT Salem Central Materials Lab. Submit a 15 lb. brick sample of flexible bituminous adhesive to ODOT Salem Central Materials Lab at least 2 weeks before using. Must be tested by lot number.  "F" must document the lot number.
00855	Pavement Markers	Pavement Markers Pavement Marker Adhesive	Refer to 00850 in this guide.					
		Note: Maximum amount of pavement marker adhesive required for 200 pavement markers may be accepted as small quantity with "F" as long as the adhesive is from the QPL.						
00856	Surface Mounted Tubular Markers	Tubular Markers	00856.10		O		F, QPL	
00857	Rumble Strips	Section does not contain any nonfield-tested materials.						
00860	Longitudinal Pavement Markings – Paint	Paint and Reflective Elements	Refer to 00850 in this guide.					

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						MATERIALS LAB	FIELD PERSONNEL	
LAB	ENGR.							
00865	Longitudinal Pavement Markings – Durable	- Methyl Methacrylate - Thermoplastic - Reflective Elements	Refer to 00850 in this guide.					
00866	Longitudinal Pavement Markings – High Performance	- Plural Component - Hi-Build Paint - Reflective Elements - Marking Tape	Refer to 00850 in this guide.					
00867	Transverse Pavement Markings – Legends and Bars	Type A through Type D Reflective Elements	Refer to 00850 in this guide.					
		<b>Note:</b> Maximum 3 legends and/or bars may be accepted as small quantity without reflectivity testing with "F" as long as the marking material is from QPL and reflective elements are according to manufacturer.						
00868	Colored Lane Markings	- Thermoplastic - Methyl Methacrylate	Refer to 00850 in this guide.					
00869 <b>Special Provision</b>	Curb and Non-Traversable Median Markings  <i>Refer to Special Provisions for any additional contract specific requirements.</i>	- Paint - Thermoplastic	Refer to 00850 in this guide.					
<b>00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS</b>								
00902 <b>Special Provision</b>	Crosswalk Closure Supports  <i>Refer to Special Provisions for any additional contract specific requirements.</i>	Steel	Refer to 01070 in this guide.					
		Signs	Refer to 00940 in this guide.					
00905	Removal and Reinstallation of Existing Signs	Permanent Supports	Refer to 00910, 00920, and 00930 in this guide.					
		Hardware	02910.40		Q, O		F	“Q” is from manufacturer and galvanizer when new hardware is used.  “O” is for new hardware.  “F” must document whether new or existing hardware used.

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				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00910	Wood Sign Posts	Posts	02110.40		Q, C		F	"Q" is for grading requirements and may be satisfied by physically including the tag(s) provided with the lumber according to 02110.40.  "C" is for Construction Material CMO according to 00160.20(d)
		Preservative Treatment - Manufactured	02190.10		T		F	"T" is for preservative treatment and may be satisfied by physically including the tag(s) provided with the lumber according to 02190.10.
		Preservative Treatment - Field	02190.30				F, QPL	
00920	Sign Support Footings	Reinforcement	Refer to 00530 in this guide.					
		High-Strength - Tie Rods - Anchor Bolts/Rods - Nuts and Washers	02560.30(b) 02560.30(c) 02560.30(d) 02560.40	T	T, Q, O	L	F	"T" is from manufacturer.  "Q" is from the galvanizer.  "L" is test results from ODOT Salem Central Materials Lab. Submit samples per size per lot according to 02560.60(b) to ODOT Salem Central Materials Lab for testing.
		Carbon Steel - Tie Rods - Anchor Bolts/Rods - Nuts and Washers	02560.30(a) 02560.30(c) 02560.30(d) 02560.40		T, Q, O		F	"T" is from manufacturer.  "Q" is from fabricator and galvanizer.
		Conduit	00960 00970 00990		Q, O		F	"Q" is markings on conduit.  "F" must document manufacturer's name, size and designation.
00921	Major Sign Support Drilled Shafts          (continued on next page)	Submittals - Drilled Shaft Installation Plan	00921.40(a)		E			"E" is submittal(s) according to 00921.40(a) and 00150.35 at least 21 Calendar Days before beginning shaft construction.  Do not begin drilled shaft construction Work until all drilled shaft submittals have been approved.
		- Drilled Shaft Repair Plans	00921.40(b)		E			"E" is submittal(s) according to 00921.40(b) and 00150.35 for unacceptable shafts.  Do not begin repair operations before remedial procedures or designs are approved.

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				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL		
00921 (con't)	Major Sign Support Drilled Shafts (continued)	- Drilled Shaft Inspection Reports	00921.40(c)		R			"R" is report(s) according to 00921.40(c) within 21 Calendar Days after completion and acceptance of each shaft.	
		- Concrete Placement Logs and Volume Curves	00921.40(d)		E			"E" is submittal(s) according to 00921.40(d) within 24 hours after completion of shaft concrete placement for each shaft.	
		- Personnel Qualifications	00921.30		E			"E" is personnel qualifications according to 00921.30.  Do not begin Work on any drilled shafts until qualifications have been approved.	
		Reinforcement	Refer to 00530 in this guide						
		Anchor Bolts	Refer to 00920 in this guide						Drilled shaft cap.
		Crosshole Sonic Log Access Tubes	00921.15		R, Q, O		F	"R" is Contractor's crosshole sonic log test reports according to 00921.48(b).	
		Crosshole Sonic Log Cement Grout	00921.18 02080 02010				F, QPL	Non-epoxy or tendon grout	
00930	Metal Sign Supports - Minor	Minor Breakaway Sign Supports - Multi-Post - Triangular Base - Pipe	00930 00930.10 02530		Q, O		F	Refer to Standard Traffic Drawings.  "Q" is from galvanizer.	
		Perforated Steel Square Tube - Slip Base Sign Supports - Anchor Sign Supports	00930 00930.10		Q, O		F, QPL	Refer to Standard Traffic Drawings.  "Q" is from galvanizer.	
		Other Sign Supports and Mounts - 90 Degree Rotational - Pipe	00930 02530		Q, O		F	"Q" is from galvanizer.	
		High-Strength - Bolts, Nuts, Washers and DTIs	02560.20 02560.60(b)		T, Q, O		F	"T" is from manufacturer and includes RoCap testing from high-strength bolt Supplier according to 02560.60(a).  "Q" is from galvanizer.	
	Metal Sign Supports - Major	Working Drawings	00930.02		E			"E" is submittal(s) according to 00930.02 and 00150.35 prior to fabrication and after installation for structural metalwork.  Engineer responsible for notification of fabrication and for providing shop drawings to ODOT Milwaukie Materials Lab (971-673-7002).	
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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00930 (con't)	Metal Sign Supports - Major <i>(continued)</i>	Major Sign Supports - Truss Sign Bridges - Monotube Sign Bridges - Butterfly Sign Structures - Monotube Cantilever Sign Structures	00930 00930.10 02530	T,O,Q		I	F	"T" is from the steel manufacturer.  "Q" is identifying tag on overhead and butterfly sign support Structures only.  "F" must document identification tag information.  Engineer responsible to contact the ODOT Milwaukie Materials Lab (971-673-7002) to coordinate inspection of fabrication and required testing. Structure Services will perform inspection for all Materials and fabrication.
		High-Strength - Bolts, Nuts, Washers - Direct Tension Indicators	02560.20 02560.60(b)	T	T, Q, O, R	L	F	"T" is from manufacturer and includes RoCap testing from high-strength bolt Supplier according to 02560.60(a).  "Q" is from galvanizer.  "R" is RoCap field testing at the time of installation according to 02560.60(a).  "L" is test results from ODOT Salem Central Materials Lab. Submit samples per size per lot according to 02560.60(b) to ODOT Salem Central Materials Lab.
00940	Signs	Finished Signs (with ODOT Sticker)	00940.46 02910		W	I	F	"W" is for Type III, IV, IX and XI sheeting.  "I" is ODOT inspection sticker provided by Structure Services. Structure Services will inspect per 00940.46 at the fabricator prior to shipment of the signs. Includes everything except hardware and posts.  "F" must document ODOT inspection sticker is attached to signs.  Structure Services will ensure sampling and testing of aluminum substrate.
		Hardware	02910.40		Q, O		F	"Q" is from manufacturer and galvanizer.
00941	Sign Covers	Permanent Signs	00941.10				F, QPL	Provide from QPL or as approved by the sign sheeting manufacturer. Do not use plywood.
00950	Removal of Electrical Systems	Section does not contain any nonfield-tested materials.						

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY			
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL		
00960	Common Provisions for Electrical Systems	Equipment List and Drawings Submittals	00960.02 00960.10		E		BG	"E" is submittal(s) according to 00960.02 and 00150.37 within 30 Calendar Days after execution of the Contract.  Do not proceed with the Work before receiving written approval of the submittals from the Engineer.  Refer to Contract Documents.  Traffic Section's Signal Standards Group has two lists to simplify Contractor submittals: "Blue Sheets - Submittals for Field Qualification" and "Green Sheets - Submittals for Conditional Qualification." <b>Engineer will obtain and furnish to the Contractor copies of the most recent lists.</b>  <b>Follow instructions in the Blue and Green Sheets for qualification and documentation requirements.</b>	
		Personnel Submittals	00960.30		P			"P" is submittal(s) according to 00960.30 for licensed electrician.  NOTE: Every person installing electrical systems must submit a copy of their electrical license or apprentice registration prior to performing Work.	
		Delineators	Refer to 00840 in this guide.						
		Metal Illumination and Traffic Signal Supports	Refer to 00962 in this guide.						
		Reinforcement - in Vehicle Pedestal Foundations (QPL Approved)	02510.10		O		F, QPL	"F" must document steel manufacturer's identification markings rolled into the bar.  "QPL" is for rebar manufacturer.	
		Carbon Steel - Anchor Bolts/Rods - Tie Rods - Nuts and Washers	02560.20 02560.30 02560.40		T, Q, O		F	"T" is from manufacturer.  "Q" is from galvanizer.  Refer to Standard Drawing TM457.	

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00962	Metal Illumination and Traffic Signal Supports	Calculations and Drawings Submittals	00962.02		E			“E” is submittal(s) according to 00962.02 and 00150.35 within 30 Calendar Days after execution of the Contract.  Refer to Contract Documents.
		High-Strength - Anchor Bolts/Rods - Tie Rods - Nuts and Washers	00962.10 02560.30(b-c) 02560.40 02560.60	T	T, Q, O	L	F	“T” is from manufacturer.  “Q” is from galvanizer.  "L" is test results from ODOT Salem Central Materials Lab. Submit samples per size per lot according to 02560.60(b) to ODOT Salem Central Materials Lab for testing.
		Carbon Steel - Anchor Bolts/Rods - Tie Rods - Nuts and Washers	02560.30(a) 02560.40		T, Q, O		F	“T” is from manufacturer.  “Q” is from galvanizer.
		High-Strength - Bolts, Nuts and Washers	00962.10 02560.20 02560.60	T	T, Q, O, R	L	F	“T” is from manufacturer and includes RoCap testing from high-strength bolt Supplier according to 02560.60(a).  “Q” is from galvanizer.  “R” is RoCap field testing at the time of installation according to 02560.60(a).  "L" is test results from ODOT Salem Central Materials Lab. Submit samples per size per lot according to 02560.60(b) to ODOT Salem Central Materials Lab for testing.
		Traffic Signal and Illumination - Steel Poles - Mast Arms - Luminaire Arms - Base Plates	00962.10 02530		T, Q, O		F	“T” is from pole manufacturer. Silicon content required according to 002530.70.  “Q” is from manufacturer and galvanizer.



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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00963	Signal Support Drilled Shafts	Submittals: - Drilled Shaft Installation Plan	00963.40(a)		E			"E" is submittal(s) according to 00963.40(a) at least 21 Calendar Days before beginning shaft construction.  Do not begin drilled shaft construction Work until all drilled shaft submittals have been approved.
		- Drilled Shaft Repair Plans	00963.40(b)		E			"E" is submittal(s) according to 00963.40(b) and 00150.35 for unacceptable shafts.  Do not begin repair operations before remedial procedures or designs are approved.
		- Personnel Qualifications	00963.30		E			"E" is personnel qualifications according to 00963.30.  Do not begin Work on any drilled shafts until qualifications have been approved.
		Reinforcement	Refer to 00530 in this guide.					
00970	Highway Illumination  <							

(continued on next page)

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
00970 <i>(con't)</i>	Highway Illumination <i>(continued)</i>	Luminaires, Lamps and Ballasts	00970.03 00970.44 00970.45 02926.50 02926.52 02926.53 02926.54		Q, E		F	"Q" is from manufacturer.
		Cabinets	02926.40		Q, E, O		F	"Q" is from manufacturer.
		Circuit Control Devices	02926.41		Q, E		F	"Q" is from manufacturer.
00980 - 00989 <b>Special Provision</b>	ITS - Structural Supports and Foundations - Electrical Components and Systems  <i>Refer to Special Provisions for any additional contract specific requirements.</i>	Variable Message Signs	ITS equipment is always called out by Special Provision.  Anchor Bolts can be found in any of these specification sections depending on the Contract: 00980 - 00984  VMS can be found in any of these specification sections depending on the Contract: 00985 - 00989		Q, E, O		F	VMS signs are purchased through price agreement contracts by the ODOT ITS Unit with FHWA approval. All system documentation is on file with the ITS Unit.  "Q" is satisfied by the system manufacturer and product installed documented on "F."  "E" is a copy of the ITS purchase request letter and FHWA response approval letter.  "O" is for anchor bolts.  "F" must document verification item installed according to the Contract.  Contact Region Assurance Specialist or Contract Administration Lead Worker (503-986-3027) if assistance is needed obtaining documentation.
00990	Traffic Signals	Equipment List and Drawings Submittals	00960 00990.11		E, C		BG	"E" is submittal(s) according to 00990.11.  Refer to the BABA Blue Sheets List for materials that require a "C" - <a href="https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx">https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx</a>  The Traffic Section's Signal Standards Group has two lists to simplify Contractor submittals: "Blue Sheets – Submittals for Field Qualification" and "Green Sheets – Submittals for Conditional Qualification". <b>Engineer will obtain and furnish to the Contractor copies of the most recent lists.</b>
	<i>(continued on next page)</i>	Common Electrical Items	Refer to 00960 in this guide.					<b>Follow instructions in the Blue/Green Sheets for qualifications and documentation requirements.</b>

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
						MATERIALS LAB	FIELD PERSONNEL	
LAB	ENGR.							
00990 <i>(con't)</i>	Traffic Signals <i>(continued)</i>	Metal Illumination and Traffic Signal Supports	Refer to 00962 in this guide.					
		Illumination On and Associated Appurtenances On Traffic Signal Poles	Refer to 00970 of this guide.					
		Traffic Control Signs	00990.43 00940					
		Backer Rod and Loop Sealant	00990.10		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)
01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL								
01030	Seeding   							

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
01030 <i>(con't)</i>	Seeding <i>(continued)</i>	Compost Mulch	01030.15(c) 03020		T, Q, P/R		F	"T" is particle size and media parameters results according to 03020.10.  "Q" is compost requirements according to 03020.10.  "P/R" is copy of DEQ permit or registration of compost producer.
		Tackifier	01030.16		Q		F	
		Pesticides	01030.17 01030.30(b)		Q, P		F	"Q" is manufacturer's federal registered label, and MSDS (if requested). Must receive approval prior to use.  "P" is for pesticide applicator according to 01030.30(b).
01040	Planting  <							

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY		
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL	
01040 <i>(con't)</i>	Planting <i>(continued)</i>	Soil Conditioners, Amendments, and Bio-Amendments	01040.15 01040.16 01040.17 03020		T, Q, P/R		F	"T" and "P/R" are for commercially manufactured compost according to 03020.90.  Submit 15 lb. sample of mushroom compost and Peat moss Soil conditioners to Engineer for approval.
		Fertilizers	01030.14 01040.18		Q		F	"Q" is label on container.  "F" must document fertilizer proportions from label.
		Plants	01040.19 01040.70-79		Q		F	"Q" is State inspection certificate and shipping certificate for each load or lot of plant material according to 01040.19(c). "Q" for sod lawn can be from turf farm according to 01040.19(h)(17).  "F" must document the condition of the plants at each inspection and Final Inspection.
		Mulch - Bark - Cinder - Rock - Wood Chip	01040.20				F	"F" must document mulch appears to meet the applicable requirements of 01040.20(a),(b),(d),(e).
		Straw Mulch	01030.15(b) 01040.20(c)		T or Q		F	Submit "T" or "Q" according to 01030.15(b).
		Compost Mulch	01040.20(f) 03020		T, Q, P/R		F	"T" is particle size and media parameters results according to 03020.10.  "Q" is compost requirements according to 03020.10.  "P/R" is copy of DEQ permit or registration of compost producer.
		Herbicides	01040.21		Q		F	
		Weed Control Geotextile	01040.23		Q, C		F	"C" is for Construction Material CMO according to 00160.20(d)
		Water - Moisture Retention Chemicals	01040.22(b)				F, QPL	

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						MATERIALS LAB	FIELD PERSONNEL		
			LAB	ENGR.					
01050	Fences	Reinforcement	Refer to 00530 in this guide.						
		Barbed Wire	03010.10		Q, O		F	"Q" is from manufacturer and galvanizer.	
		Chain Link Fabric, Ties, and Tension Wire	03010.30		Q, O		F		
		Fence Gates and Hardware	03010.60		Q, O		F	"Q" is from manufacturer and galvanizer.	
		Metal Fence Posts, Braces, and Appurtenances	03010.50		Q, O		F	"Q" is from manufacturer and galvanizer.	
		Wood Fence Posts and Braces	00570.40 02110.30 02190		T, Q, C		F, QPL	"T" is for preservative treatment and may be satisfied by physically including the tag(s) provided with the lumber according to 02190.10.  "Q" is from manufacturer.  "QPL" is for field preservative treatment.  "C" is for Construction Material CMO according to 00160.20(d)	
		Guardrail Elements	Refer to 00810 in this guide.						
		Pickets	03010.31		Q, O, C		F	"C" is for Construction Material CMO according to 00160.20(d)	
		Protective Fence Materials	02530 03010.75		T, Q, O		F, QPL	"T" is from manufacturer.  "Q" is from galvanizer for steel plates, angles, and bolts.  "Q" is from manufacturer for chain link fabric, ties, tension wire, posts, and pickets.  "QPL" is for resin bonded anchor system.	
		Vinyl Clad Fabric	03010.40		Q, O, C		F	"C" is for Construction Material CMO according to 00160.20(d)	
Wildlife Fencing Fabric	03010.21		Q, O		F	"Q" is from manufacturer and galvanizer.			
Woven Wire	03010.20		Q, O		F	"Q" is from manufacturer and galvanizer.			
01069	Metal Handrail and Pedestrian Fence	Metal Handrail - Shapes Plates and Bars - Steel Pipe - Fasteners	02830 02830.10 02830.20 02830.22		T, Q, O		F	"Q" is from galvanizer	
		Pedestrian Fence - Aluminum Parts - Fasteners	02831 02831.10 02831.20		Q, O, C		F	"C" is for Construction Material CMO according to 00160.20(d)	

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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY			
				LAB	ENGR.	MATERIALS LAB	FIELD PERSONNEL		
01070	Mailbox Supports	Reinforcement	Refer to 00530 in this guide.						
		Tube Support Frame	01070.12		Q, O		F, QPL	"Q" is from manufacturer and galvanizer if not from QPL.	
		Mounting Brackets and Hardware	01070.13		Q, O		F, QPL	"Q" is from manufacturer and galvanizer if not from QPL.	
		Post Mounting Socket	01070.14		O		F, QPL		
01090	Gravel Beds and Blankets	Soil Sterilant	01090.10		Q		F, QPL	"Q" is label(s) listing active ingredients or from QPL.  Submit sample to Engineer for approval.	
		Weed Control Geotextile	01090.11		C		F, QPL	"C" is for Construction Material CMO according to 00160.20(d)	
01100 - WATER SUPPLY SYSTEMS									
01120	Irrigation Systems	Submittals - General (Materials List)	01120.10		E			"E" is submittal(s) according to 01120.10 as soon as practicable after Award and before arranging for procurement of any materials.	
		- As Built Plans and System Orientation	01120.70		E			"E" is submittal(s) according to 01120.70 upon completion of the Work.	
		- Drip Line Tubing Manufacturer Warranty	01120.75		W			"W" is drip line tubing manufacturer warranty according to 01120.75 and 00170.85(c)(1).	
		Galvanized Pipe and Fittings	01120.11(a)		Q, O		F	"Q" is from manufacturer and galvanizer.	
		PVC Pipe and Fittings	01120.11(b) 01120.11(c)		Q, C		F	"Q" is markings on pipe.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document manufacturer's name, size, and ASTM designation.	
		Polyethylene Pipe	01120.11(d)		Q, C		F	"Q" is markings on pipe.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document manufacturer's name, size, and ASTM designation.	
		Other Materials	01120.12-21		Q, C, O		F	"Q" is from manufacturer.  "C" is for Construction Material CMO according to 00160.20(d)	

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						MATERIALS LAB	FIELD PERSONNEL		
				LAB	ENGR.				
01140	Potable Water Pipe and Fittings	Bolted, Sleeve-Type Couplings for Plain End Pipe	02475.60		Q, O		F		
		Detectable Marking Tape and Wire	00445.11 02470.60		Q		F	"Q" required for tracer wire.	
		Ductile Iron Pipe and Fittings	02470.20 02475.20		Q, O		F	"Q" is quality compliance certificate from manufacturer showing pipes and fittings meet AWWA and ANSI/NSF standards required in the applicable subsection.  "F" must document type, class, thickness, and manufacturers name.	
		Polyethylene Encasement	02470.50		Q, C		F	"C" is for Construction Material CMO according to 00160.20(d)	
		PVC Pipe and Fittings	02470.40 02470.45 02475.40 02475.45		Q, C		F	"Q" is quality compliance certificate from manufacturer showing pipes and fittings meet AWWA and ANSI/NSF standards required in the applicable subsection.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document type, class, thickness, and	
		Reinforcement	Refer to 00530 in this guide.						
		Restrained Joints	02475.50		Q		F	Restraint systems provided for pipe bells must be certified by the pipe manufacturer.	
		High Density Polyethylene Pipe and Fittings	02470.31 02475.31		Q, C		F	"Q" is quality compliance certificate from manufacturer showing pipes and fittings meet AWWA and ANSI/NSF standards required in the applicable subsection.  "C" is for Construction Material CMO according to 00160.20(d)  "F" must document type, class, thickness, and manufacturers name.	
01150	Potable Water Valves	Valves, Power-Actuating Devices, and Backflow Prevention Devices	02480.10-70		Q, O		F	All Materials must conform to ANSI/NSF Standard 61, Drinking Water System Components - Health Effects, or equivalent.	



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				FURNISHED BY CONTRACTOR TO		FURNISHED BY AGENCY			
						MATERIALS	FIELD		
				LAB	ENGR.	LAB	PERSONNEL		
01160	Hydrants and Appurtenances	Bollards	Refer to 00815 in this guide.						
		Gate Valves	2480.20		Q		F		
		Hydrants, End Connections, Extensions, and Traffic Flange	02485.10 02485.20 02485.40 02485.50		Q, O		F		
		Tie Rods	02485.60 02560.30 02560.40		T, Q, O		F	"T" is from manufacturer.  "Q" is from galvanizer.	
		Valve Boxes and Extensions	02480.25 02480.26		O		F		
01170	Potable Water Service Connections, 2 Inch and Smaller	Potable Water Service Connection Materials	02490.10-80		Q, O, C		F	All Materials must conform to ANSI/NSF Standard 61, Drinking Water System Components - Health Effects, or equivalent.  "C" is for Construction Material CMO according to 00160.20(d)	

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General Topic	Issue	Resolution
<b>SECTION</b> 00160 <b>TYPE OF CONSTRUCTION:</b> Source of Materials <b>MATERIALS:</b> Build America - Buy America (BABA) <b>SUBSECTION:</b> 00160.20(d) 00165.35(e)	<b>Added to the Nonfield-Tested Materials Acceptance Guide Legend:</b>  C – Construction Materials Certificate of Materials Origin (C-CMO) Form 734-5378b - Build America Buy America (BABA) – Refer to 00165.35(e). Specification Sections that have been identified as containing Construction Materials that may require a C-CMO have been added throughout this guide. Refer to the following for additional resources pertaining to BABA Materials: •Qualified Products List (QPL) - <a href="https://www.oregon.gov/odot/Construction/Pages/Qualified-Products.aspx">https://www.oregon.gov/odot/Construction/Pages/Qualified-Products.aspx</a> •BABA Material Classification Guide - <a href="https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx">https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx</a> •BABA Blue Sheet List - <a href="https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx">https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx</a>	
<b>SECTION:</b> 00226 <b>TYPE OF CONSTRUCTION:</b> Temporary Roadside Barriers and Impact Attenuators <b>MATERIALS:</b> Minimum Deflection Bridge Temporary Barrier <b>SUBSECTION:</b> 00226.11(b)	New Material added to Standard Specification	Materials Column: Added Minimum Deflection Bridge Temporary Barrier  Subsection Column: Added 00226.11(b)  Remarks column - added clarification for "F" requirement.
<b>SECTION:</b> 00227 <b>TYPE OF CONSTRUCTION:</b> Temporary Traffic Signals and Illumination <b>MATERIALS:</b> Temporary Flashing Beacons <b>SUBSECTION:</b> 00227.14	New Material added to Standard Specification	Materials Column: Added Temporary Flashing Beacons  Subsection Column: Added 00227.14
<b>SECTION:</b> 00228 <b>TYPE OF CONSTRUCTION:</b> Temporary Pedestrian and Bicyclist Routing <b>MATERIALS:</b> Truncated Dome Detectable Warning Device <b>SUBSECTION:</b> 00228.13	New Material added to Standard Specification	Materials Column: Added "F" for visual verification
<b>SECTION:</b> 00280 <b>TYPE OF CONSTRUCTION:</b> Erosion and Sediment Control (ESC) <b>MATERIALS:</b> Prefabricated Construction Entrance <b>SUBSECTION:</b> 00280.16(a)	New Material added to Standard Specification	Materials Column: Added Prefabricated Construction Entrance  Subsection Column: Added 00280.16(a)  Remarks column - added clarification for "F" requirement.

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General Topic	Issue	Resolution
<b>SECTION:</b> 00280 <b>TYPE OF CONSTRUCTION:</b> Erosion and Sediment Control (ESC) <b>MATERIALS:</b> Flexible Channel Liner <b>SUBSECTION:</b> 00280.14(e)	Specification language allows for Channel liner mattings, Type F, G, and H to be installed as permanent features and are not required to be fully biodegradable.	Materials Column: Added Polypropylene or Polymer  Furnished by Contractor to Engr: Added "C"  Remarks column - "C" is for Construction Material CMO according to 00160.20(d) for Channel Liner Matting Type F, G, and H installed as permanent features.
<b>SECTION:</b> 00350 <b>TYPE OF CONSTRUCTION:</b> Geosynthetic Installation <b>MATERIALS:</b> Geotextile <b>SUBSECTION:</b> 00350.10 02320	Product identification requirements clarified in Section 02320.	Revised requirements for "F" to align with new product identification language
<b>SECTION:</b> 00396 <b>TYPE OF CONSTRUCTION:</b> Shotcrete Slope Stabilization <b>MATERIALS:</b> Polyvinyl Chloride Pipe (PVC) <b>SUBSECTION:</b> 02415.50	Construction Material CMO required	Added "C" to Acceptance Documents furnished by Contractor to Engineer.
<b>SECTION:</b> 00412 <b>TYPE OF CONSTRUCTION:</b> Cured-in-Place Pipe Lining (CIPP) <b>MATERIALS:</b> Tube <b>SUBSECTION:</b> 00412.10	Construction Material CMO required	Added "C" to Acceptance Documents furnished by Contractor to Engineer.
<b>SECTION:</b> 00520 <b>TYPE OF CONSTRUCTION:</b> Driven Piles <b>MATERIALS:</b> Timber Piles and Preservative Treatment <b>SUBSECTION:</b> 00520.10	The following Materials were removed from Section 00520: Preservative Treatment of Timber, Prestressed Concrete Pile, Timber Piles, and Timber Pile Straps.	Updated Section 00520 of NTMAG to reflect removal of Materials.

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General Topic	Issue	Resolution
<b>SECTION:</b> 00530 <b>TYPE OF CONSTRUCTION:</b> Steel Reinforcement for Concrete <b>MATERIALS:</b> Deformed Bar Reinforcement <b>SUBSECTION:</b> 00530.10	Specification Technical Owner recommended removal of the NTMAG listing of Deformed Bar Reinforcement, not from a QPL Manufacturer, due to the requirement that all Deformed Bar Reinforcement must be evaluated by the National Transportation Product Evaluation Program.	Updated Section 00530 of NTMAG to reflect removal of Materials.
<b>SECTION:</b> 00540 <b>TYPE OF CONSTRUCTION:</b> Structural Concrete <b>MATERIALS:</b> Deck Sidewalk and Curb Rams <b>SUBSECTION:</b> 00540.03	New subsection added to Standard Specification	Furnished by Contractor to Engineer: Added "E" and "P" designations for required submittals according to 00540.03
<b>SECTION:</b> 00545 <b>TYPE OF CONSTRUCTION:</b> Reinforced Concrete Bridge Approach Slabs <b>MATERIALS:</b> Pipe under Approach Slabs <b>SUBSECTION:</b> 00545.10	Section name previously referred to as End Panels, now referred to as Approach Slabs in Standard Specification	Updated Section to reference new designated name in Guide.
<b>SECTION:</b> 00560 <b>TYPE OF CONSTRUCTION:</b> Structural Steel Bridges <b>MATERIALS:</b> Erection Plan (stamped) <b>SUBSECTION:</b> 00560.04	New subsection added to Standard Specification	Furnished by Contractor to Engineer: Added "E" designations for required submittals according to 00560.04
<b>SECTION:</b> 00566 <b>TYPE OF CONSTRUCTION:</b> CFRP-NSF <b>MATERIALS:</b> High-Strength Epoxy Resin <b>SUBSECTION:</b> 00566.11	New material allowance added to Standard Specification language.	Remarks Section: Added remark regarding material allowance.

Oregon Department of Transportation  
**Nonfield-Tested Materials Acceptance Guide**  
SUMMARY OF CHANGES - JANUARY 2024

General Topic	Issue	Resolution
<b>SECTION:</b> 00584 <b>TYPE OF CONSTRUCTION:</b> Elastomeric Concrete Nosing <b>MATERIALS:</b> Premixed Polymer Concrete <b>SUBSECTION:</b> 00584.10	New material allowance added to Standard Specification language.	Added Material reference to Section 00557: Premixed polymer concrete meeting the requirements of Section 00557 may be substituted for elastomeric concrete nosing Material. When Premixed polymer concrete is specified for the Bridge deck overlay on the same Project.
<b>SECTION:</b> 00585 <b>TYPE OF CONSTRUCTION:</b> Expansion Joints <b>MATERIALS:</b> Submittals <b>SUBSECTION:</b> 00585.02	Subsection numbers were revised for required submittals.	Revised subsection numbers to align with Standard Specifications.
<b>SECTION:</b> 00596A <b>TYPE OF CONSTRUCTION:</b> Mechanically Stabilized Earth Retaining Walls <b>MATERIALS:</b> Elastomeric Bearing Pads <b>SUBSECTION:</b> 00596A.15	Construction Material CMO required	Added "C" to Acceptance Documents furnished by Contractor to Engineer.
<b>SECTION:</b> 00596B <b>TYPE OF CONSTRUCTION:</b> Prefabricated Modular Retaining Walls <b>MATERIALS:</b> Dry Cast Concrete Blocks <b>SUBSECTION:</b> 00596B.12(c)	Per Structure Services an Inspection Report from Structure Services is not required for these materials.	Removed "I" requirement from Acceptance Documents Furnished by Materials Lab Column.
<b>SECTION:</b> 00597 <b>TYPE OF CONSTRUCTION:</b> Sound Walls <b>MATERIALS:</b> Water Repellent Admixture <b>SUBSECTION:</b> 00597.11(h)	New Material added to Standard Specification	Materials Column: Added Minimum Deflection Bridge Temporary Barrier  Subsection Column: Added 00226.11(b)  Remarks column - added clarification for "F" requirement.

Oregon Department of Transportation  
**Nonfield-Tested Materials Acceptance Guide**  
SUMMARY OF CHANGES - JANUARY 2024

General Topic	Issue	Resolution
<b>SECTION:</b> 00746 <b>TYPE OF CONSTRUCTION:</b> Crack Sealing Flexible Pavements <b>MATERIALS:</b> Hot Applied Joint Sealant <b>SUBSECTION:</b> 02440.30	Material name revised in Standard Specification.	Revised Material name to match Specification language
<b>SECTION:</b> 00840 <b>TYPE OF CONSTRUCTION:</b> Delineators and Milepost Marker Posts <b>MATERIALS:</b> Barrier Markers <b>SUBSECTION:</b> 00840.10	Construction Material CMO required	Added "C" to Acceptance Documents furnished by Contractor to Engineer.
<b>SECTION:</b> 00842 <b>TYPE OF CONSTRUCTION:</b> Facility Identification Markers <b>MATERIALS:</b> Stormwater Control Facility Field Markers <b>SUBSECTION:</b> 00842.10	Material name revised in Standard Specification.	Revised Material name to match Specification language
<b>SECTION:</b> 00850 <b>TYPE OF CONSTRUCTION:</b> Pavement Markings <b>MATERIALS:</b> Reflective Elements <b>SUBSECTION:</b> 00850.10	Construction Material CMO required	Added "C" to Acceptance Documents furnished by Contractor to Engineer.
<b>SECTION:</b> 00850 <b>TYPE OF CONSTRUCTION:</b> Pavement Markings <b>MATERIALS:</b> Pavement Markers, Type 2 <b>SUBSECTION:</b> 00850.10	Construction Material CMO required	Added "C" to Acceptance Documents furnished by Contractor to Engineer.

Oregon Department of Transportation  
**Nonfield-Tested Materials Acceptance Guide**  
SUMMARY OF CHANGES - JANUARY 2024

General Topic	Issue	Resolution
<b>SECTION:</b> 00868 <b>TYPE OF CONSTRUCTION:</b> Colored Lane Markings <b>MATERIALS:</b> Pavement Markings <b>SUBSECTION:</b> 00850	Previously a Boilerplate Special Provision, Section 00868 was added as a Standard Specification.	Removed Special Provision reference
<b>SECTION:</b> 0990 <b>TYPE OF CONSTRUCTION:</b> Traffic Signals <b>MATERIALS:</b> Blue and Green Sheets <b>SUBSECTION:</b> 00990.11	Specific listing for materials that require a "C" can be found on the BABA Blue Sheets List.	Acceptance Documents column - Added "C" to Furnished by Contractor to Engineer.  Remarks Column - Added Web Address to access BABA Blue Sheets List:  <a href="https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx">https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx</a>
<b>SECTION:</b> 01069 <b>TYPE OF CONSTRUCTION:</b> Metal Handrail and Pedestrian Fence <b>MATERIALS:</b> Metal Handrail Pedestrian Fence <b>SUBSECTION:</b> 02830 02831	New Section added to Standard Specification	Materials Column: Added Metal Handrail and Pedestrian Fence materials.  Subsection Column: Added 02830 and 02831  Acceptance Documents column - Added "T", "Q", "O", and "F" for Metal Handrail materials. Added "Q", "C", and "F" for Pedestrian Fence materials
<b>SECTION:</b> 01120 <b>TYPE OF CONSTRUCTION:</b> Irrigation Systems <b>MATERIALS:</b> Other Materials <b>SUBSECTION:</b> 01120.12 - 01120.21	Construction Material CMO required	Added "C" to Acceptance Documents furnished by Contractor to Engineer.
<b>SECTION:</b>  <b>TYPE OF CONSTRUCTION:</b>  <b>MATERIALS:</b>  <b>SUBSECTION:</b> 		

OREGON DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION SECTION

# QUALIFIED PRODUCTS LIST

PUBLISHING DATE:  
JANUARY 2024



The Qualified Products List is updated every six months or amended as needed.



# 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. Certificate of materials origin might be required.

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.

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

[Qualified Products Web Page](#)

Although the products listed are 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.oregon.gov](mailto:dean.m.chess@odot.oregon.gov)**



# OREGON DEPARTMENT OF TRANSPORTATION

"QPL" INDEX BY CATEGORY TO GET SPECIFICATION NUMBERS

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BICYCLE CHANNELIZING DEVICES	00228.12
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CONCRETE SCM - FLY ASH	02030.10
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CONCRETE SCM - METAKAOLIN	02030.50
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# OREGON DEPARTMENT OF TRANSPORTATION

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## **Traffic Control Devices Notice** (11-2023)

The American Association of State Highway and Transportation Officials (AASHTO) *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, Message Boards, AFAD's, Flagger Station Lighting, Radar Speed (Trailers). etc.

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

FHWA Office of Safety: <https://safety.fhwa.dot.gov/>

Countermeasures that Reduce Crash Severity:  
[https://safety.fhwa.dot.gov/roadway\\_dept/countermeasures/reduce\\_crash\\_severity/](https://safety.fhwa.dot.gov/roadway_dept/countermeasures/reduce_crash_severity/)

NCHRP Report 350: [http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp\\_rpt\\_350-a.pdf](http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_350-a.pdf)

MASH: [https://bookstore.transportation.org/item\\_details.aspx?ID=2707](https://bookstore.transportation.org/item_details.aspx?ID=2707)

FHWA Work zone Letter WZ-161:  
[http://safety.fhwa.dot.gov/roadway\\_dept/policy\\_guide/road\\_hardware/listing.cfm?code=workzone](http://safety.fhwa.dot.gov/roadway_dept/policy_guide/road_hardware/listing.cfm?code=workzone)

## Erosion Control

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	Type E-Shear Stress Range      2 lbs/ft <sup>2</sup>	
	Type F-Shear Stress Range      4 lbs/ft <sup>2</sup>	
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**Erosion Control**

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## **Pavement Markings (1 of 2)**

(Rev 7-22)

### **Longitudinal Durable Pavement Markings Section 00865.00**

**Category**Method (A)  
Extruded**Applications**(S) Surface (P) Profile, 120 Mils 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 Mils 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 Mils 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 &amp; 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 2024**

<b>STANDARD SPEC #</b>	<b>CATEGORY</b>	<b>PRODUCT NAME</b>	<b>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</b>	<b>EFFECTIVE DATE</b>	<b>PRODUCT NUMBER</b>	<b>LIST</b>	<b>REMARKS</b>
00221.13	FENCING, WORKZONE DELINEATION	KC BARRICADE FENCE	KC WHOLESALE CONSTRUCTION PROD 206/850-8672	03/10/11	1486	A	ORANGE SAFETY / SNOW FENCE.
00221.13	FENCING, WORKZONE DELINEATION	PERIMETER PLUS X05650-001	CONWED PLASTICS 612/623-1700 GEOTK 888/708-8835	03/10/11	3147	A	
00221.13	FENCING, WORKZONE DELINEATION	PERIMETER PLUS X05650-002	CONWED PLASTICS 612/623-1700 GEOTK 888/708-8835	03/10/11	3306	A	
00221.13	FENCING, WORKZONE DELINEATION	PROTEX FENCE - SF2048L-12P	NORPLEX 253/735-3431 ACF WEST 800/878-5115	03/10/11	4324	A	
00221.13	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.
00221.13	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
00221.13	FENCING, WORKZONE DELINEATION	WARNING BARRIER FENCE # 14993	MUTUAL INDUSTRIES 800/523-0888 215/927-6000	07/12/07	3441	A	
00222.10B	TEMPORARY SIGNS TYPE	3-M SERIES 3954 ASTM D4956 TYPE IX	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	12/09/04	2856	A	FLUORESCENT ORANGE
00222.10B	TEMPORARY SIGNS TYPE	AVERY DENNISON W-7514 ASTM D4956 TYPE VIII	AVERY DENNISON 800/327-5917	02/10/05	2855	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.

**ODOT CONSTRUCTION / MATERIALS SECTION  
QUALIFIED PRODUCTS LIST  
APPROVED LIST - NO SAMPLES OR TESTS REQUIRED\*  
QUALIFIED LIST - ADDITIONAL REQUIREMENTS\*\*  
JANUARY 2024**

<b>STANDARD SPEC #</b>	<b>CATEGORY</b>	<b>PRODUCT NAME</b>	<b>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</b>	<b>EFFECTIVE DATE</b>	<b>PRODUCT NUMBER</b>	<b>LIST</b>	<b>REMARKS</b>
00222.10B	TEMPORARY SIGNS TYPE	OMNICUBE T-11000 (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
00222.10B	TEMPORARY SIGNS TYPE	OMNICUBE W-11514 FLUO ORANGE ASTM TYPE XI	AVERY DENNISON 240/925-6891	07/27/12	4501	A	FLUORSECENT ORANGE
00222.10B	TEMPORARY SIGNS TYPE	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
00222.10B	TEMPORARY SIGNS TYPE VIII OR IX	3-M SERIES 3924S ASTM D4956 TYPE VIII & X	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	11/09/06	3236	A	FLUORESCENT ORANGE
00222.10D	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
00222.10D	ROLL-UP SIGNS	3-M RS24 ROLLUP SHEETING	3-M COMPANY TSSD 800/553-1380	11/16/00	1705	A	FLUORESCENT ORANGE
00222.10D	ROLL-UP SIGNS	3-M RS33 ROLLUP SHEETING	3-M COMPANY TSSD 800/553-1380	11/10/05	2950	A	ODOT INCIDENTANCE MANANGEMENT ONLY.  FLUORESCENT PINK
00222.10D	ROLL-UP SIGNS	AVERY DENNISON OMNIBRITE WU-7000 SERIES	AVERY DENNISON REFLECTIVE SOLUTIONS 847/627-3111 LARRY NATHAN 440/463-3318	06/28/19	5202	A	FLUORESCENT ORANGE WHITE
00222.10D	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

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00222.10D	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
00222.11B	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
00222.11B	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
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	DF3000P	DICKE SAFETY PACIFIC SAFETY SUPPLY DBA DICKE SAFETY 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
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	DL1003W	DICKE SAFETY PACIFIC SAFETY SUPPLY DBA DICKE SAFETY 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
00222.11B	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
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	LITTLE BUSTER	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	12/13/01	2251	A	TESTED AT 12" ABOVE PAVEMENT MET NCHRP 350 CAT 2
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	PLASTICADE SS300	PLASTICADE 800/772-0355	05/13/20	5237	A	
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	PLASTICADE SS300A	PLASTICADE 800/772-0355	05/13/20	5238	A	

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00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	PLASTICADE SS310	PLASTICADE 800/772-0355	05/13/20	5239	A	
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	PLASTICADE SS310A	PLASTICADE 800/772-0355	05/13/20	5240	A	
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	PLASTICADE SS340A	PLASTICADE 800/772-0355	05/13/20	5241	A	
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	PLASTICADE SS410A	PLASTICADE 800/772-0355	05/13/20	5242	A	
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	PLASTICADE SS420A	PLASTICADE 800/772-0355	05/13/20	5243	A	
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	PLASTICADE SS520A	PLASTICADE 800/772-0355	05/13/20	5244	A	
00222.11B	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
00222.11B	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.
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	TRAFFIX DEVICES SINGLE SPRING MODEL #22000 SPUH	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	03/14/02	2528	A	CRASH TESTED, AND MET OUR OTHER SPECS. TESTED AT 18" ABOVE THE GROUND

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00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	TRAFFIX STAND	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	12/12/01	2311	A	TESTED AT 12" ABOVE THE PAVEMENT SURFACE. MET NCHRP 350 CAT 2
00222.11B	SIGN SUPPORTS, PORTABLE FOR ROLL-UP SIGNS	UF2000	DICKE SAFETY PACIFIC SAFETY SUPPLY DBA DICKE SAFETY 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
00222.11B	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	
00222.11B	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	
00222.11E	WORK ZONE TRAFFIC CONTROL	SQUARE TUBE SIGN SUPPORTS TEMPORARY		07/30/12		A	SEE SECTION 00930.00
00222.12	SIGN COVERS	RSC-59825-BNR1	MDI WORLDWIDE 800/521-6776	12/06/17	5095	A	COVERS SIGN COMPLETELY NOT APPROVED FOR PERMANENT APPLICATIONS. MATTE SIDE TO FACE TRAFFIC
00222.12	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
00222.15A	SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C"	ARROWMASTER PROLINE 25 LIGHT	HILL & SMITH 740/816-8077 TRAFFIC SAFETY SUPPLY CO. 503/830-2048	09/12/12	4522	A	2012 DEMO
00222.15A	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.

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00222.15A	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.
00222.15A	SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C".	VER-MAC ST4825	VER-MAC 888/488-7446	08/11/05	3000	A	PASSED DEMO 2011
00222.15A	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.
00222.15A	SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C".	WECO SOLAR ARROW BOARD	WANCO, INC. 800/972-0755	09/12/12	4521	A	2012 DEMO
00222.15A	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).
00222.15A	SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". LED - SOLAR	ARO-LITE 100 WATT 25-M-100	NATIONAL SIGNAL 888/994-0300 WES YOCKEY 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
00222.15A	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.
00222.15A	SEQUENTIAL ARROW SIGN TRAILER MOUNTED TYPE "C". LED, SOLAR POWERED	ARROWMASTER IV MODEL# WAAW 25SB	HILL & SMITH 740/816-8077 TRAFFIC SAFETY SUPPLY CO. 503/830-2048	06/11/98	1571	A	LED - SOLAR POWER. 25 LIGHT VERSION. PRODUCTION CEASED: PRIOR TO 3/30/11
00222.15A	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.

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00222.15A	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.
00222.15A	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.
00222.15B	PCMS / PVMS - TRAILER	SOLAR MESSAGE CENTER SMC 1000ST	HILL & SMITH 740/816-8077 TRAFFIC SAFETY SUPPLY CO. 503/830-2048	09/12/12	4517	A	2012 DEMO
00222.15B	PCMS / PVMS - TRAILER 3 LINE 8 CHARACTERS LED	CMS T-331	AMERICAN SIGNAL 770/448-6650	09/12/12	4515	A	2012 DEMO
00222.15B	PCMS / PVMS - TRAILER 3 LINE DISPLAY	WTLMB (A)	WANCO, INC. 800/972-0755	09/12/12	4519	A	2012 DEMO
00222.15B	PCMS / PVMS - TRAILER FULL MATRIX LED	CMS T-333	AMERICAN SIGNAL 770/448-6650	09/12/12	4516	A	2012 DEMO
00222.15B	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.
00222.15B	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.
00222.15B	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.

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00222.15B	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.
00222.15B	PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL	CMS T-331-1B W/AIMSTAR	AMERICAN SIGNAL 770/448-6650	10/10/02	2665	A	PASSED 9/24/02 DEMO.
00222.15B	PCMS / PVMS - TRAILER SOLAR - 4 LED'S PER PIXEL	CMS T-333-1C W/AIMSTAR	AMERICAN SIGNAL 770/448-6650	10/10/02	2666	A	PASSED 9/24/02 DEMO.
00222.15B	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.
00222.15B	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.
00222.15B	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.
00222.15B	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!
00222.15B	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.
00222.15B	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.

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00222.15B	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.
00222.15B	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.
00222.15B	PCMS / PVMS - TRAILER SOLAR-4 LED'S PER PIXEL	VER-MAC PCMS 1210 PRO SERIES G3	VER-MAC 888/488-7446 HIGHWAY SPECIALTIES 503/390-1113	04/30/20	5256	A	PASSED DEMO ON 4/16/20 ON PROJECT SITE
00222.15B	PCMS / PVMS - TRUCK 2 LINES-2 LED'S PER PIXEL	WANCO MODEL WVMBM-2LP	WANCO, INC. 800/972-0755 TRAFFIC SAFETY SUPPLY 503/235-8531	08/09/22	5428	A	8/09/22 DEMO
00222.15B	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.
00222.15B	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.
00222.15B	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.
00222.15B	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.
00222.15B	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.

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00222.15B	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.
00222.15B	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.
00222.15B	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.
00222.15B	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.
00222.15B	PCMS / PVMS - TRUCK 3 LINES-4 LED'S PER PIXEL	WMBV-MF	WANCO, INC. 800/972-0755 TRAFFIC SAFETY SUPPLY 503/235-8531	06/03/21	5345	A	2021 DEMO
00222.15B	PCMS TYPE B MINI TRAILER SOLAR-4 LED'S PER PIXEL	VER-MAC PCMS 3812 PRO SERIES	VER-MAC 888/488-7446 HIGHWAY SPECIALTIES 503/390-1113	05/14/20	5213	A	PASSED DEMO ON 5/14/20
00222.15B	PCMS TYPE B MINI TRAILER SOLAR-4 LED'S PER PIXEL	WANCO MINI MATRIX MESSAGE BOARD	WANCO, INC. 800/972-0755 HIGHWAY SPECIALTIES 503/390-1113	05/28/20	5247	A	PASSED DEMO ON 5/28/20
00222.15B	PCMS/PVMS - TRAILER TYPE B, MINI PCMS SOLAR - 4 LED'S PER PIXEL	SMC 4000	HILL & SMITH INC. 740/816-8077 TRAFFIC SAFETY SUPPLY CO. 503/830-2048	06/18/19	5154	A	DEMO 6/18/19
00222.15C	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

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00222.15C	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
00222.15C	RADAR SPEED TRAILER TYPE II	VER-MAC SP-3248V PRO SERIES	VER-MAC 888/972-0755	09/10/20	5283	A	DEMO 9/10/20
00222.15C	RADAR SPEED TRAILER TYPE II	WANCO FOLDING FRAME RADAR SPEED TRAILER WSDT3-F36ODOT	WANCO, INC. 800/972-0755 JAY RUEGNER 208/484-5324 HIGHWAY SPECIALTIES 503/390-1113	08/14/20	5273	A	DEMO 8/14/20
00223.21	FLAGGER EQUIPMENT STOP/SLOW PADDLE	BLINKER PADDLE	TAPCO 800/236-0112 TRAFFIC SAFETY 800/547-8518	08/14/05	3008	A	HAS LIGHTS AROUND THE PERIMETER ON BOTH SIDES.
00223.21	STOP/SLOW PADDLE STOP/SLOW PADDLE	TRAFF-ALERT 18 (TA18AX6SP)	SAFECO 480/290-5220	04/08/10	4099	A	POLE MOUNTED.
00223.21	STOP/SLOW PADDLE STOP/SLOW PADDLE	TRAFF-ALERT 18 (TA18AXTP)	SAFECO 480/290-5220	04/08/10	4097	A	HAND HELD UNIT.
00223.21	STOP/SLOW PADDLE STOP/SLOW PADDLE  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.
00223.21	STOP/SLOW PADDLE STOP/SLOW PADDLE  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.
00223.22	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

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00223.22	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
00223.22	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.
00223.22	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.
00223.22	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
00223.22	FLAGGER STATION LIGHTING TEMPORARY	MOONGLO LIGHT TOWER	MOON-GLO WORK LIGHT TOM SCHUH 503/931-3650	06/14/18	5126	A	TRAILERS MOUNTED TWO 31200 LUMEN 5700K LED LAMPS. ONE 115000 LUMEN 3700K METAL HALIDE LAMP LAMP HEIGHT NOT TO EXCEED 16 FEET
00223.22	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.
00223.22	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.
00223.22	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.
00223.22	FLAGGER STATION LIGHTING TEMPORARY MASH (2009) TL-3	AIRSTAR SIROCCO 400 LED FLAT-FOOTED TRIPOD MOUNTING SYSTEM	AIRSTAR 407/851-7830 TSS 503/235-8531 HS LLC 503/390-1113	11/19/20	5308	A	TRIPOD MOUNTED. (HEAVY 39# FLAT-FOOTED ) 400 LED LIGHT HEAD, P500A POLE 60-50-027 HEAVY BASE BOTTOM OF LIGHT MIN 15' ABOVE GROUND

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00223.22	FLAGGER STATION LIGHTING TEMPORARY MASH (2009) TL-3	AIRSTAR SIROCCO REDTECH #700 FLAT-FOOTED TRIPOD MOUNTING SYSTEM	AIRSTAR AMERICA, INC 321/474-5833 TSS 503/235-8531 HS LLC 503/390-1113	08/16/22	5471	A	TRIPOD MOUNTED. (HEAVY 39# FLAT-FOOTED ) 500W/66,000LM LED LIGHT HEAD P500A POLE  BOTTOM OF LIGHT MIN 15' ABOVE GROUND
00223.22	FLAGGER STATION LIGHTING TEMPORARY MASH (2009) TL-3	AIRSTAR SPACE GLOBE LIGHTING STAND FLAT-FOOTED TRIPOD MOUNTING SYSTEM	AIRSTAR 407/851-7830 TSS 503/235-8531 HS LLC 503/390-1113	10/22/16	4916	A	TRIPOD MOUNTED. (HEAVY 39# FLAT-FOOTED ) BOTTOM OF LIGHT MIN 15' ABOVE GROUND
00223.23	AFAD - RED & YELLOW LENS	AUTOFLAGGER AF-54	SAFETY TECHNOLOGIES, INC 651/388-5030	04/02/18	5038	A	REMOTE CONTROL FLAGGER DEVICE. HAS ARM THAT COMES DOWN. 2 LITE SIGNAL HEAD. RED/YELLOW TRAILER MOUNTED/2 Trailer Tow
00223.23	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
00223.23	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
00223.23	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.
00223.23	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.
00223.23	AFAD - RED & YELLOW LENS	VER-MAC FLAGGER-MAC	VER-MAC 888/488-7446	12/08/21	5337	A	REMOTE CONTROL FLAGGER DEVICE. HAS ARM THAT COMES DOWN. 2 LITE SIGNAL HEAD. RED/YELLOW TRAILER MOUNTED.
00223.23	AFAD - RED & YELLOW LENS	WANCO AUTOMATED FLAGGER DEVICE (WAFD)	WANCO 208/484-5324 TRAFFIC SAFETY SUPPLY 503/235-8531	01/12/22	5399	A	REMOTE CONTROL FLAGGER DEVICE. HAS ARM THAT COMES DOWN. 2 LITE SIGNAL HEAD. RED/YELLOW TRAILER MOUNTED.

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00223.23	AFAD - RED & YELLOW LENS VIDEO CAMERAS	GUARDIAN SMARTFLAGGER	SITE 2020 902/209-0566	06/18/19	5187	A	REMOTE CONTROL FLAGGER. HAS AN ARM THAT COMES DOWN SIGN (STOP HERE ON RED R10-6 OR R10-6A ) (AREA UNDER VIDEO SURVILLANCE) BK/YEL
00224.10	MARKERS, TUBULAR BLUE TEMPORARY	TD5000-504315B 12 POUND BASE	THREE D TRAFFIC WORKS 877/843-9757	01/11/07	3207	A	BLUE
00224.10	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.
00224.10	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.
00224.10	MARKERS, TUBULAR TEMPORARY	BENT TUBULAR MARKER MODEL# D6-5	BENT MANUFACTURING 714/842-0600 OR 888/842-0600	05/01/88	1899	A	
00224.10	MARKERS, TUBULAR TEMPORARY	DELINEATOR TUBE DIAMOND TOP	JBC SAFETY 626/271-1980	01/28/15	4803	A	28" & 48" TALL USE 12# BASE
00224.10	MARKERS, TUBULAR TEMPORARY	DELINEATOR TUBE N-TOP II	JBC SAFETY 626/271-1980	01/28/15	4802	A	28" & 48" TALL USE 12# BASE
00224.10	MARKERS, TUBULAR TEMPORARY	ECOFLEX RB	HIGHWAY SAFETY PRODUCTS 800/228-1701	01/21/14	4687	A	28", 36" TALL HI SHEETING
00224.10	MARKERS, TUBULAR TEMPORARY	FLEXI-GUIDE 300 EFX MODEL: 8FG336FLOEFXODOT#1	PEXCO LLC - DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 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.

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00224.10	MARKERS, TUBULAR TEMPORARY	GRABBER TUBE 28"	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	11/14/96	1505	A	4" DIA. NON STACKABLE. TUBULAR.
00224.10	MARKERS, TUBULAR TEMPORARY	KNOB TOP DELINEATOR POST	HIGHWAY SAFETY PRODUCTS 800/228-1701	01/21/14	4689	A	39", 42" TALL HI SHEETING
00224.10	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.
00224.10	MARKERS, TUBULAR TEMPORARY	OPEN TOP DELINEATOR POST	HIGHWAY SAFETY PRODUCTS 800/228-1701	01/21/14	4688	A	39", 42" TALL HI SHEETING
00224.10	MARKERS, TUBULAR TEMPORARY	PLASTICADE OPEN TOP DELINEATOR	PLASTICADE 800/772-0355	06/11/13	4660	A	HI SHEETING
00224.10	MARKERS, TUBULAR TEMPORARY	PLASTICADE THE CLAW DELINEATOR	PLASTICADE 800/772-0355	07/10/14	4799	A	
00224.10	MARKERS, TUBULAR TEMPORARY	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.
00224.10	MARKERS, TUBULAR TEMPORARY	TD5000-504315 12 POUND BASE	THREE D TRAFFIC WORKS 877/843-9757	01/11/07	3281	A	ORANGE
00224.10	MARKERS, TUBULAR TEMPORARY	TD5100 RING TOP DELIN. 507436	THREE D TRAFFIC WORKS 877/843-9757	12/14/06	2691	A	

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00224.10	MARKERS, TUBULAR TEMPORARY	TD5200-526859 (BOOMERANG)	THREE D TRAFFIC WORKS 877/843-9757	01/11/07	3011	A	
00224.10	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.
00224.10	MARKERS, TUBULAR TEMPORARY	WATCHTOWER DELINEATOR 28" & 48"	PLASTICADE 800/772-0355	06/30/15	4914	A	TYPE III OR HIGHER SHEETING
00224.10	MARKERS, TUBULAR TEMPORARY 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.
00224.10	TRAFFIC SEPARATOR, CURB SURFACE MOUNTED TEMPORARY	FG336 PE TUBE 2 3X9 HI OR FG 300 CURB SYSTEM OR	PEXCO LLC - DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 TRAFFIC SAFETY 800/547-8518	08/01/11	4440	A	
00224.10	TRAFFIC SEPARATOR, CURB SURFACE MOUNTED TEMPORARY	FG336 UR TUBE 2 3X9 HI OR FG 300 CURB SYSTEM OR	PEXCO LLC - DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 TRAFFIC SAFETY 800/547-8518	08/01/11	4441	A	
00224.10	TRAFFIC SEPARATOR, CURB SURFACE MOUNTED TEMPORARY MASH TL-3	FG336 EFX TUBE 2 3X9 HI OR FG 300 CURB SYSTEM OR	PEXCO LLC - DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 TRAFFIC SAFETY 800/547-8518	08/01/11	4439	A	
00224.11	MARKERS, CONICAL TEMPORARY	C-42 6-4 HI WH 1ST-2ND / CB16	SMITH & HILL 740/816-8077 TRAFFIC SAFETY SUPPLY COMPANY 800/547-8518	06/10/10	4131	A	42" TALL. 16 POUND BASE.
00224.11	MARKERS, CONICAL TEMPORARY	C-42 6-4 HI WH 1ST-2ND / CB30	SMITH & HILL 740/816-8077 TRAFFIC SAFETY SUPPLY COMPANY 800/547-8518	06/10/10	4132	A	42" TALL. 30 POUND BASE.

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00224.11	MARKERS, CONICAL TEMPORARY	GRABBER	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	06/08/95	1210	A	43" TALL, USE 16# BASE. STACKABLE. HANDLE ON TOP
00224.11	MARKERS, CONICAL TEMPORARY	GRABBER CONE 28"	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	11/14/96	1507	A	4" DIA. STACKABLE. THIS IS AN APPROVED CONICAL SHAPE. THE HEAVY 16# BASE IS REQ. 28" TALL.
00224.11	MARKERS, CONICAL TEMPORARY	NAVICADE TRAFFIC CHANNELIZING CONE	PLASTICADE 800/772-0355	07/27/12	4499	A	USE 16# BASE NO LIGHT ATTACHMENT
00224.11	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.
00224.11	MARKERS, CONICAL TEMPORARY	TD7200 MODEL 742585 RINGTOP CN	THREE D TRAFFIC WORKS 877/843-9757	04/14/05	2695	A	BASE: TD8000 (22LB)
00224.11	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
00224.11	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
00224.11	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.
00224.11	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

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00224.11	MARKERS, CONICAL TEMPORARY	WATCHTOWER STACKER CONE	PLASTICADE 800/772-0355	07/10/14	4800	A	
00224.12		SURFACE MOUNTED TUBULAR MARKERS		10/15/20		A	SEE SECTION 00856 SURFACE MOUNTED TUBULAR MARKERS
00224.13	PLASTIC DRUMS TEMPORARY	B400A/LD4-4HI-TB	HILL & SMITH 740/816-8077 TRAFFIC SAFETY SUPPLY CO. 503/830-2048	02/12/09	3548	A	MUST USE TIRE RING BASE, THE RUBBER INSERTS ARE NOT OK. CATALOG# 2858 B400A 4-4HI TB
00224.13	PLASTIC DRUMS TEMPORARY	B500LC 4-6 HI/TB "LANE CHANGER"	HILL & SMITH 740/816-8077 TRAFFIC SAFETY SUPPLY CO. 503/830-2048	01/13/11	4277	A	MUST USE TIRE RING BASE, THE RUBBER INSERTS ARE NOT OK.
00224.13	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
00224.13	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.
00224.13	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
00224.13	PLASTIC DRUMS TEMPORARY	PLASTICADE COMMANDER TRAFFIC DRUM	PLASTICADE 800/772-0355	06/28/18	5143	A	SERIES 456 22.5# BASE
00224.13	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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00224.13	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.
00224.13	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.
00224.13	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).
00224.13	PLASTIC DRUMS TEMPORARY	TRAFFIC LOGIX CHANNELIZER DRUM 53242, 53241, 53262, 53261	TRAFFIC LOGIX 866/915-6449	01/11/07	2992	A	LDPE VERSION ONLY.
00224.13	PLASTIC DRUMS TEMPORARY	TRAFFIX CHANNELIZR 18044-LD-HI MODEL# 18044-LD-HI	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 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.
00224.13	PLASTIC DRUMS TEMPORARY	TRAILBOSS CHANNELIZER DRUM LDPE	CORTINA SAFETY PRODUCTS 847/4552800	11/14/17	5045	A	DRUM 03-782-6HI BASE 22.5# TIRE RING 03-750-TRG
00224.14	DELINEATORS	DELINEATORS		01/01/21		A	SEE SECTION 00840.00 DELINEATORS
00224.15	BARRICADE, TEMP - TYPE 1	A-CADE MODEL # 100	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	05/11/00	2270	A	TYPE I BARRICADE. FHWA OK. REQUIRES 6# SAND BALLAST.
00224.15	BARRICADE, TEMP - TYPE 1	COMBOCADE TYPE I BARRICADE	PLASTICADE 800/772-0355	07/27/12	4496	A	

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00224.15	BARRICADE, TEMP - TYPE 1	ECON PLASTIC FOLDING BARRICADE	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	02/04/02	1506	A	MFG TESTED TO NCHRP 350.
00224.15	BARRICADE, TEMP - TYPE 1	ECONOCADE TYPE I BARRICADE	PLASTICADE 800/772-0355	07/27/12	4497	A	
00224.15	BARRICADE, TEMP - TYPE 1	HI IMPACT PLASTIC FOLDING BARR	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	09/11/03	2308	A	SAND FILLED BASE.
00224.15	BARRICADE, TEMP - TYPE 1	METAL LEG FOLDING BARRICADE	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	09/11/03	2309	A	
00224.15	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.
00224.15	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.
00224.15	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.
00224.15	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	
00224.15	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.

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00224.15	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
00224.15	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.
00224.15	BARRICADE, TEMP - TYPE 2	COMBOCADE TYPE II BARRICADE	PLASTICADE 800/772-0355	07/27/12	4496	A	
00224.15	BARRICADE, TEMP - TYPE 2	ECON PLASTIC FOLDING BARRICADE	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	02/04/02	1506	A	MFG TESTED TO NCHRP 350.
00224.15	BARRICADE, TEMP - TYPE 2	ECONOCADE TYPE II BARRICADE	PLASTICADE 800/772-0355	07/27/12	4497	A	
00224.15	BARRICADE, TEMP - TYPE 2	HI IMPACT PLASTIC FOLDING BARR	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	09/11/03	2308	A	SAND FILLED BASE.
00224.15	BARRICADE, TEMP - TYPE 2	METAL LEG FOLDING BARRICADE	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	09/11/03	2309	A	
00224.15	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)
00224.15	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.

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00224.15	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.
00224.15	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	
00224.15	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.
00224.15	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.
00224.15	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.
00224.15	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.
00224.15	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.
00224.15	BARRICADE, TEMP - TYPE 3	PLASTICADE POWER POST	PLASTICADE 800/772-0355	07/10/14	4801	A	NO SIGNS OR LIGHTS
00224.15	BARRICADE, TEMP - TYPE 3	PLASTICADE TELESAPAR TYPE III	PLASTICADE 847/583-4189	05/09/12	4424	A	SERIES 3500 TELESAPAR FEET SERIES 3700 ANGLE IRON FEET 4', 6', 8' WIDTHS NO SIGNS OR LIGHTS

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00224.15	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.
00224.15	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.
00224.15	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.
00224.15	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.
00224.15	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.
00224.15	BARRICADE, TEMP - TYPE 3 MASH 2009 TL3	LANEGARD 3	PSS 800/622-6338	11/19/17	5079	A	FOLDING BASE AASHTO TYPE III SHEETING.
00224.15	BARRICADE, TEMP - TYPE 3 MASH 2016	DAVIDSON T3B BARRICADE	PEXCO LLC - DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 TRAFFIC SAFETY 800/547-8518	07/13/00	2303	A	PLASTIC PANELS, PSST UPRIGHTS AND FEET. POLY X-TUBE UPRIGHTS AND POWDER COATED ANGLE -IRON FEET.
00225.00	PAVEMENT MARKER ADHESIVE TEMPORARY	PAVEMENT MARKER, TEMP, ADH		03/01/10		A	SEE SECTION 00855, PERMANENT PAVEMENT MARKER ADHESIVE.
00225.10A	PAVEMENT MARKER, TEMPORARY	PAVEMENT MARKER, TEMPORARY		12/04/08		A	SEE SECTION 00855, PERMANENT PAVEMENT MARKERS.

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00225.10B	PAVEMENT MARKER, FLEXIBLE TEMPORARY CHIPSEAL / OVERLAY MARKER	TRPM-HIGH HEAT FLEXIBLE MARKER (TRPM OR TOM)	PEXCO LLC - DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 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.
00225.10C	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.
00225.10C	PAVEMENT MARKER, FLEXIBLE TEMPORARY CHIPSEAL / OVERLAY MARKER	TRPM DAVIDSON FLEXIBLE MARKER (TRPM OR TOM)	PEXCO LLC - DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 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.
00225.11	TAPE, NON-REFLECTIVE TEMPORARY, REMOVABLE	3-M A145 REMOVABLE BLACK TAPE	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	12/09/04	1411	A	BLACK REMOVABLE TAPE. DOES NOT HAVE BEADS. SURFACE NEEDS TO BE CLEAN, DRY, AND WARM. CHECK MUTCD FOR APPLICABILITY.
00225.11	TAPE, NON-REFLECTIVE TEMPORARY, REMOVABLE	3-M SERIES 715 TEMPORARY TAPE	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	07/20/12	4484	A	
00225.11	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.
00225.11	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.
00225.11	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!
00225.11	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

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00225.11	TAPE, TEMPORARY REMOVABLE	3-M SERIES 780WR / 781WR WHITE: 780WR, YELLOW: 781WR.	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	07/10/08	3366	A	HAS WET WEATHER ATTRIBUTES.
00225.11	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 RE- MOVE, NO HEAT, SOLVENTS, ETC.
00225.11	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	
00225.11	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.
00225.11	TAPE, TEMPORARY TEMPORARY, REMOVABLE	3-M SERIES 710,711 TEMPORARY TAPE	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	07/20/12	4484	A	
00225.12A	PAINT, TEMPORARY FOR ASPHALT OR CONCRETE	PAINT		12/04/08		A	SEE SECTION 00860, TRAFFIC PAINT, STANDARD.
00225.12B	BEADS, TEMPORARY FOR TEMPORARY PAINT	BEADS		12/04/08		A	SEE SECTION 00850.00 TRAFFIC PAINT, BEADS.
00225.14	TRANSVERSE RUMBLE STRIPS TEMPORARY	ROADQUAKE 2 TEMPORARY PORTABLE RUMBLE STRIP	PSS (PLASTIC SAFETY SYSTEMS) 800/662-6338 Ben Gascoigne	07/27/12	4489	A	SPEEDS OF 65MPH OR LESS
00225.14	TRANSVERSE RUMBLE STRIPS TEMPORARY	ROADQUAKE 2F FOLDING PORTABLE RUMBLE STRIP	PSS (PLASTIC SAFETY SYSTEMS) 800/662-6338 Ben Gascoigne	03/18/14	4749	A	SPEEDS OF 75MPH OR LESS

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00225.14	TRANSVERSE RUMBLE STRIPS TEMPORARY	TRAFFIX ALERT HIGH SPEED RUMBLE STRIP	TRAFFIX DEVICES 801/979-7099	09/17/19	5216	A	SPEEDS OF 65MPH OR LESS ALL BLACK FOR RUMBLE STRIP APPLICATION, ALL WHITE FOR STOP BAR, OR CROSSWALK MARKING
00226.10	GUARDRAIL MTD REFLECTOR	GUARDRAIL MOUNTED REFLECTORS, TEMPORARY		04/19/00		A	SEE SECTION 00840.00, DELINEATORS, FLEXIBLE TYPE 4A, GUARDRAIL VERSION.
00226.11A1	BARRIER, TEMPORARY (STANDARD DEFLECTION)	BARRIERGUARD 800	LAURA METAAL ROAD SAFETY INC 480/254-6342 PACIFIC BARRIER 503/780-3671	06/16/20	3159	A	8 ANCHORS AT EACH END OF RUN  END TREATMENTS & TRANSITIONS PER MFG.
00226.11A1	BARRIER, TEMPORARY (STANDARD DEFLECTION)	DEFENDER BARRIER 100 LDS	SAFE BARRIERS LLC 888/215-4535	06/16/20	5217	A	ANCHORS EVERY 30 FEET  END TREATMENTS & TRANSITIONS PER MFG.
00226.11A1	BARRIER, TEMPORARY (STANDARD DEFLECTION)	HV2 SAFETY BARRIER	SAFERROADS 859/469-0364	12/28/20	5198	A	  END TREATMENTS & TRANSITIONS PER MFG.
00226.11A1	BARRIER, TEMPORARY (STANDARD DEFLECTION)	ZONEGUARD	HILL & SMITH 707/366-8759 TRAFFIC SAFETY SUPPLY CO. 503/235-8531	06/08/20	3816	A	ANCHORS AT EACH END AND EVERY 33.3 FEET  END TREATMENTS & TRANSITIONS PER MFG.
00226.11A1	BARRIER, TEMPORARY MINIMUM DEFLECTION	BARRIERGUARD 800 MDS CONFIGURATION	LAURA METAAL ROAD SAFETY INC 480/254-6342 PACIFIC BARRIER 503/780-3671	06/16/20	3159	A	USE T-TOP AND ANCHOR EACH END AND EVERY 19.7 FEET END TREATMENTS & TRANSITIONS PER MFG.
00226.11A1	BARRIER, TEMPORARY (STANDARD DEFLECTION)	HIGHWAYGUARD LDS	VALTIR LLC 916/644-9102	12/28/20	5296	A	6 ANCHORS EACH END OF RUN AND STAGGERD EVERY 40' END TREATMENTS & TRANSITIONS PER MFG.
00226.11A1	BARRIER, TEMPORARY (STANDARD DEFLECTION)	SAFEZONE	LAURA METAAL ROAD SAFETY INC 480/254-6342 PACIFIC BARRIER 503/780-3671	12/28/20	5272	A	8 ANCHORS AT EACH END OF RUN, OR 8 ANCHORS AT EACH END OF RUN AND EVERY 38' END TREATMENTS & TRANSITIONS PER MFG.

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00226.11B	BARRIER MARKER TEMPORARY	BARRIER MARKER, TEMPORARY		04/19/00		A	SEE SECTION 00820.11 BARRIER MARKERS.
00226.11B	BARRIER PANEL, REFLECTIVE TEMPORARY	3-M SERIES 344/346 LDS	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	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.
00226.11C	GLARE SHIELDS, TEMPORARY	GLARE SHIELDS, TEMPORARY		04/19/00		A	SEE SECTION 00822.00, GLARE SHIELDS.
00226.12	IMPACT ATTENUATOR TEMPORARY	IMPACT ATTENUATOR TEMPORARY		01/01/21		A	ALSO SEE SECTION 00830.00 IMPACT ATTENUATOR.
00226.12	IMPACT ATTENUATOR TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING.	UNIVERSAL TAU-II-R TL-2	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	06/11/14	4771	A	
00226.12	IMPACT ATTENUATOR TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING.	UNIVERSAL TAU-II-R TL-3	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	06/11/14	4771	A	
00226.12	IMPACT ATTENUATOR, HS TEMPORARY NCHRP 350 HS RE-DIRECTIVE, NON-GATING.	UNIVERSAL TAU-II (HS)	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	03/12/09	2961	A	FHWA APPROVED
00226.12	IMPACT ATTENUATOR, HS TEMPORARY NCHRP 350 TL-3	QUEST 115 SYSTEM	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, HS TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING.	2005 FASTRACC	VALTIR LLC 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.

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00226.12	IMPACT ATTENUATOR, J TEMPORARY MASH TL-3 RE-DRECTIVE, NON GATING	QUADGUARD ELITE M10 (8 BAY)	VALTIR LLC 916/644-9102 CORAL SALES COMPANY 503/655-6351	08/18/16	4981	A	LENGTH 27' 2" WIDTH 24"
00226.12	IMPACT ATTENUATOR, J TEMPORARY MASH TL-3 RE-DRECTIVE, NON GATING	QUADGUARD M10	VALTIR LLC JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245	05/14/12	4492	A	TESTED FOR SPEEDS UP TO 60 MPH WIIDTHS 24" 22' LENGTH
00226.12	IMPACT ATTENUATOR, J TEMPORARY MASH 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 APPLICATIONS.
00226.12	IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2	QUADGUARD II	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 RE-DIRECTIVE, NON GATING	2005 SHORTRACC (TL-2)	VALTIR LLC 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.
00226.12	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.
00226.12	IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 RE-DIRECTIVE, NON GATING	SHORTRACC (TL-2) WAS TRACC (TL-2)	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING	2005 WIDETRACC (TL-2)	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL2 TEMPORARY NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING	UNIVERSAL TAU-II (TL-2)	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	02/10/05	2961	A	FHWA APPROVED - 4 BAY SYSTEM.

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00226.12	IMPACT ATTENUATOR, TL2 TEMPORARY, NARROW APPS. NCHRP 350 TL-2, GATING NON RE-DIRECTING	ABSORB 350 TL-2 WATER FILLED	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	08/08/02	2336	A	DON'T USE WITHIN 100' OF WATER BODY USE CALCIUM MAGNESIUM ACETATE 25% OR LIQUID POTASSIUM ACETATE 60% SOLUTION BY VOLUME
00226.12	IMPACT ATTENUATOR, TL2 TEMPORARY, NARROW APPS. NCHRP 350 TL-2, GATING NON RE-DIRECTING	ACZ-350 WATER FILLED	VALTIR LLC JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245	07/09/09	3854	A	DON'T USE WITHIN 100' OF WATER BODY USE CALCIUM MAGNESIUM ACETATE 25% OR LIQUID POTASSIUM ACETATE 60% SOLUTION BY VOLUME
00226.12	IMPACT ATTENUATOR, TL2 TEMPORARY, NARROW SYSTEM NCHRP 350 TL-2	NEAT	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL2 TEMPORARY, NARROW SYSTEM NCHRP 350 TL-2 RE-DIRECTIVE, NON-GATING.	QUEST 70 (TL-2)	VALTIR LLC JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245	06/09/11	4372	A	TESTED FOR IMPACT SPEEDS UP TO 45 MPH. THREE BAYS. ARRIVES FULLY ASSEMBLED.
00226.12	IMPACT ATTENUATOR, TL-2 TEMPORARY, NARROW APPS. MASH TL-2, GATING NON RE-DIRECTING	ABSORB-M WATER FILLED	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	11/06/19	5223	A	DON'T USE WITHIN 100' OF WATER BODY USE CALCIUM MAGNESIUM ACETATE 25% OR LIQUID POTASSIUM ACETATE 60% SOLUTION BY VOLUME
00226.12	IMPACT ATTENUATOR, TL-2 TEMPORARY, NARROW APPS. NCHRP 350 TL-2, GATING NON RE-DIRECTING	ABSORB 350 TL-2 WATER FILLED	LINDSAY MANUFACTURING 916/474-9644	11/06/19	2336	A	DON'T USE WITHIN 100' OF WATER BODY USE CALCIUM MAGNESIUM ACETATE 25% OR LIQUID POTASSIUM ACETATE 60% SOLUTION BY VOLUME
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY MASH TL-3 GATING, NON-REDIRECTIVE	ENERGITE III (SAND BARREL ARRAY 1X4, 2X4)	VALTIR LLC MIKE MADDEN 800/772-7976 CORAL SALES COMPANY 503/655-6351	10/15/21	5367	A	IN COLD WEATHER, TO PREVENT SAND FROM FREEZING, FOLLOW MANUFACTURES RECOMMENDATIONS
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3	QUADGUARD II	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3	QUEST 350	VALTIR LLC 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.

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00226.12	IMPACT ATTENUATOR, TL-3 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.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3 GATING, NON RE-DIRECTIVE	ENERGITE III	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3 GATING, NON RE-DIRECTIVE	FITCH SAND FILLED MODULES LABELED AS "UNIVERSAL MODULE"	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3 NON-REDIRECTIVE	TRAFFIX DEVICES BIG SANDY	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	12/12/02	1850	A	GET LAYOUT ARRAYS FROM THE MANUFACTURER. TEMP APPS ONLY. TESTED FOR SPEEDS TO 60 MPH.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING.	2005 TRACC (TL-3)	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING.	TRACC (TL-3)	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON GATING.	X-TENUATOR	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	05/12/11	4359	A	TESTED FOR IMPACT SPEEDS UP TO 60 MPH NARROW APPLICATIONS
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING	2005 WIDETRACC (TL-3)	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING	UNIVERSAL TAU-II (TL-3)	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	02/10/05	2961	A	FHWA APPROVED - 8 BAY SYSTEM.

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00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY NCHRP 350 TL-3 RE-DIRECTIVE, NON-GATING	WIDETRACC	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY, NARROW APPS. MASH 2009 TL-3, GATING NON RE-DIRECTING	TRAFFIX SLED END TREATMENT SYSTEM WATER FILLED	TRAFFIX DEVICES, INC 801/979-7099	02/22/18	4919	A	DON'T USE WITHIN 100' OF WATER BODY USE CALCIUM MAGNESIUM ACETATE 25% OR LIQUID POTASSIUM ACETATE 60% SOLUTION BY VOLUME
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY, NARROW APPS. MASH TL-3, GATING NON RE-DIRECTING	ABSORB-M WATER FILLED	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	11/06/19	5223	A	DON'T USE WITHIN 100' OF WATER BODY USE CALCIUM MAGNESIUM ACETATE 25% OR LIQUID POTASSIUM ACETATE 60% SOLUTION BY VOLUME
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY, NARROW APPS. NCHRP 350 TL-3, GATING NON RE-DIRECTING	ABSORB 350 TL-3 WATER FILLED	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	10/09/08	2336	A	DON'T USE WITHIN 100' OF WATER BODY USE CALCIUM MAGNESIUM ACETATE 25% OR LIQUID POTASSIUM ACETATE 60% SOLUTION BY VOLUME
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY, NARROW APPS. NCHRP 350 TL-3, GATING NON RE-DIRECTING	ACZ-350 WATER FILLED	VALTIR LLC JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245	07/09/09	3854	A	DON'T USE WITHIN 100' OF WATER BODY USE CALCIUM MAGNESIUM ACETATE 25% OR LIQUID POTASSIUM ACETATE 60% SOLUTION BY VOLUME
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY, NARROW SYSTEM NCHRP 350 TL-3	QUADGUARD CZ	VALTIR LLC 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.
00226.12	IMPACT ATTENUATOR, TL-3 TEMPORARY, NARROW SYSTEM NCHRP 350 TL-3	REACT 350 NARROW (TL3)	VALTIR LLC 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
00226.15	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	
00226.16	MOBILE BARRIER	MOBILE BARRIERS MBT-1	MOBILE BARRIERS LLC 303/526-5995	05/09/19	5190	A	

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00226.23	IMPACT ATTENUATOR, TL2 TRUCK MOUNTED NCHRP 350 TL-2	ALPHA 70K	VALTIR LLC 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.
00226.23	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.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED MASH 2016 TL-3	BLADE TMA	BLADE B.V +31/765017990 VERDEGRO USA LLC 786/408-5709	11/16/17	5075	A	TESTED FOR IMPACT SPEEDS UP TO 60 MPH FOLLOW MANUFACTURER'S INSTRUC.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED MASH 2016 TL-3	SMT	VALTIR LLC 916/644-9102 CORAL SALES 800/538-7245	04/28/20	5254	A	TESTED FOR IMPACT SPEEDS UP TO 60 MPH FOLLOW MANUFACTURER'S INSTRUC.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED MASH 2016 TL-3	SS180 M	VALTIR LLC 916/644-9102 CORAL SALES 800/538-7245	04/28/20	5255	A	TESTED FOR IMPACT SPEEDS UP TO 60 MPH FOLLOW MANUFACTURER'S INSTRUC.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED MASH 2016 TL-3	TTMA-200 TRAILER MOUNTED ATTENUATOR	GREGORY INDUSTRIES 330/477-4800 EXT 158 TRAFFIC SAFETY SUPPLY COMPANY 503/235-8531	05/27/20	5264	A	TESTED FOR IMPACT SPEEDS UP TO 60 MPH FOLLOW MANUFACTURER'S INSTRUC. USE 20K LBS GVW OR HIGHER SUPPORT TRUCK
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	ALPHA 100K	VALTIR LLC JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245	07/08/99	998	A	NCHRP 350.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	MPS 350 III and MPS 350 X	VALTIR LLC 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.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	SAFE-STOP 180 TMA #9180	VALTIR LLC 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.

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00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	SAFE-STOP 180 TMA #9181	VALTIR LLC 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.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	SAFE-STOP 180 TMA #9182	VALTIR LLC 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.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	SAFE-STOP TMA - MODEL 8290	VALTIR LLC 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.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	SAFE-STOP TMA - MODEL 8291	VALTIR LLC 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.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	SAFE-STOP TRAILER TMA	VALTIR LLC 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.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	SCORPION C-10,000	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	12/14/00	2313	A	USES A CRUSHABLE ALUMINUM STRUT WITH BACKUP STRUCTURE AND A CARTRIDGE ASSEMBLY. TOTAL LENGTH: 140".
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	SCORPION TRAILER ATTENUATOR MODEL# 10002-TL-3	TRAFFIX DEVICES TODD MELIN 949/361-5663 HIGHWAY SPECIALTIES 503/390-1113 JEFF PETERSON	08/14/08	3541	A	TRAILER MOUNTED. MUST USE SUPPORT TRUCKS APPROX 20K LBS. GVW OR HIGHER.
00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	SS90 HD	VALTIR LLC JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245	02/06/13	4562	A	TESTED FOR IMPACT SPEEDS UP TO 60 MPH
00226.23	IMPACT ATTENUATOR, TL-3 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.

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00226.23	IMPACT ATTENUATOR, TL-3 TRUCK MOUNTED NCHRP 350 TL-3	VORTEQ TL-3	VALTIR LLC 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.
00227.13	TRAFFIC SIGNAL, PORTABLE TRAILER MOUNT	ADDCO PTS-2000	JOHN THOMAS, INC. 888/447-7263 ANNE BROUSIL 815/288-2343 TRAFFIC SAFETY 800/547-8518	01/12/06	1586	Q	PROJECT MUST INCLUDE SPECS FOR PORTABLE SIGNALS. APPROVAL NEEDED PRIOR TO USE.
00227.13	TRAFFIC SIGNAL, PORTABLE TRAILER MOUNT	HORIZON SQ-3TS	HORIZON SIGNAL 800/852-8796 HIGHWAY SPECIALTIES 503/390-1113	01/12/06	2646	Q	PROJECT MUST INCLUDE SPECS FOR PORTABLE SIGNALS. APPROVAL NEEDED PRIOR TO USE.
00227.13	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.
00227.13	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.
00227.13	TRAFFIC SIGNAL, PORTABLE TRAILER MOUNT	STS PST-1000 & STS PST-1000A	SUPERIOR TRAFFIC SERVICES, LLC JEFF HOLLENBECK 406/531-9914 MIKE DAVIS 509/220-0339	02/21/18	5013	Q	PROJECT MUST INCLUDE SPECS FOR PORTABLE SIGNALS. APPROVAL NEEDED PRIOR TO USE.
00228.10	PEDESTRIAN CHANNELIZING DEVICE (PCD)	PLASTICADE PATHCADE BARRICADE SYSTEM ANTI-TRIP FOOT RECESSED WHEN USED AS PCD	PLASTICADE 800/772-0355	05/10/22	5426	A	384 SQ IN OF SHEETING PER SIDE SHEETING WILL MATCH THE COLOR OF THE BODY. WHITE TYPE III OR IV ORANGE TYPE VIII OR IX
00228.10	PEDESTRIAN CHANNELIZING DEVICE (PCD)	SAFETY WALL SW-3674	PLASTIC SAFETY SYSTEMS INC 216/231/8590	06/13/11	4402	A	384 SQ IN OF SHEETING PER SIDE SHEETING WILL MATCH THE COLOR OF THE BODY. WHITE TYPE III OR IV ORANGE TYPE VIII OR IX
00228.10	PEDESTRIAN CHANNELIZING DEVICE (PCD)	STRONGWALL ADA PEDESTRIAN BARRICADE	PLASTICADE 800/772-0355	06/23/14	4748	A	384 SQ IN OF SHEETING PER SIDE SHEETING WILL MATCH THE COLOR OF THE BODY. WHITE TYPE III OR IV ORANGE TYPE VIII OR IX

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00228.10	PEDESTRIAN CHANNELIZING DEVICE (PCD)	TRAFFIX URBANITE WALL SHALL HAVE ADA COMPLIANT LEGS	TRAFFIX DEVICES INC. 801/9797099 TRAFFIC SAFETY SUPPLY COMPANY 503/235-8531	03/14/17	5031	A	384 SQ IN OF SHEETING PER SIDE SHEETING WILL MATCH THE COLOR OF THE BODY. WHITE TYPE III OR IV ORANGE TYPE VIII OR IX
00228.10	PEDESTRIAN CHANNELIZING DEVICE (PCD)	YODOCK 2001	YODOCK 888/496-3625 CORAL SALES 800/538-7245	01/26/12	4561	A	384 SQ IN OF SHEETING PER SIDE SHEETING WILL MATCH THE COLOR OF THE BODY. WHITE TYPE III OR IV ORANGE TYPE VIII OR IX
00228.10	PEDESTRIAN CHANNELIZING DEVICE (PCD)	YODOCK 2001M	YODOCK 888/496-3625 CORAL SALES 800/538-7245	06/11/13	2652	A	384 SQ IN OF SHEETING PER SIDE SHEETING WILL MATCH THE COLOR OF THE BODY. WHITE TYPE III OR IV ORANGE TYPE VIII OR IX
00228.10	PEDESTRIAN CHANNELIZING DEVICE (PCD)  MASH TL-3 2016	TPAR	PEXCO LLC- DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 TRAFFIC SAFETY 800/547-8518	06/10/13	4604	A	384 SQ IN OF SHEETING PER SIDE SHEETING WILL MATCH THE COLOR OF THE BODY. WHITE TYPE III OR IV ORANGE TYPE VIII OR IX
00228.12	BICYCLE CHANNELIZING DEVICE (BCD)	YODOCK 2001SL SLIMLINE CHANNELIZER	YODOCK 888/496-3625 CORAL SALES 800/538-7245	05/11/16	4659	A	72 SQ IN WHITE SHEETING PER SIDE TYPE III OR IV
00228.13	TEMPORARY CURB RAMPS	BOARDWALK PLATFORM 2	PSS 800/662-6338	05/22/17	5046	A	RAMP AND PLATFORM
00228.13	TEMPORARY CURB RAMPS	BOARDWALK RAMP	PSS 800/662-6338	03/24/17	5043	A	RAMP
00229.10	SMART WORK ZONE SYSTEM VENDOR	ASTI	ASTI TRANSPORTATION SYSTEMS 302/328-3220	09/09/10	4071	A	ELEVATED, TRAILER-MOUNTED, MICROWAVE / BLUETOOTH SENSORS.
00229.10	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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00229.10	SMART WORK ZONE SYSTEM VENDOR	JAMLOGIC PTS	VER-MAC 888/488-7446	08/11/11	4075	A	ELEVATED, TRAILER-MOUNTED, DOPPLER/ MICROWAVE/ BLUETOOTH SENSORS.
00229.10	SMART WORK ZONE SYSTEM VENDOR	SALANDER SOFTWARE SERVICES	SALANDER LLC 612/964-6004	03/06/17	4947	A	
00229.10	SMART WORK ZONE SYSTEMS VENDOR	SAWS-SOLAR ADVANCED WARNING SYSTEM	SOLAR ADVANCED WARNING SYSTEMS INC. DARIO ALVAREZ 512/810-6989	11/02/22	5431	A	CONFLICT MONITORING-TRUCKS ENTERING/CROSSING/EXITING WARNING
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	BIONET S75BN	WESTERN GREEN 800/582-4005 CASCADE GEOS 971/339-1020	12/02/21	5385	A	STRAW AND JUTE NETTING
00280.14E	MATTING - TYPE A SLOPE	EARTHGUARD FIBER MATRIX	LSC ENVIRONMENTAL PRODUCTS 800/800-7671 HANES GEOCOMPONENTS 800/426-4976	01/08/09	2972	A	SPRAY W/ WOOD CELLULOSE FIBER GUAR TACKIFIER, PAM STABILIZER & STARCH BIO-DEGRADABLE
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 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	

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**JANUARY 2024**

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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 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	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 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	FUSION	LSC ENVIRONMENTAL PRODUCTS 800/800-7671 HANES GEOCOMPONENTS 800/426-4976	06/19/19	5199	A	HYDRO. APPLIED, GAR, PAM STABILIZER SOIL BIO-AMENDMENTS
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. BIODEGRADABLE.
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	HYDROSTRAW BONDED FIBER MATRIX	HYDROSTRAW 800/545-1755 ED LEE	11/11/10	4164	A	
00280.14E	MATting - TYPE A SLOPE	KANSAS EROSION KEP-C100 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5357	A	BIODEGRADABLE COIR & JUTE NETTING

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00280.14E	MATting - TYPE A SLOPE	KANSAS EROSION KEP-S2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5358	A	BIODEGRADABLE WHEAT STRAW & JUTE NETTING
00280.14E	MATting - TYPE A SLOPE	KANSAS EROSION KEP-SC2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5359	A	BIODEGRADABLE WHEAT STRAW & COIR, JUTE NETTING
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 S75BN	NORTH AMERICAN GREEN 800/772-2040 OR 812/687-6632 ACF WEST 800/878-5115	07/10/97	1380	A	STRAW FIBER CONVERED WITH BIO- DEGRADABLE NETTING. 100% BIO-DEGRADABLE.
00280.14E	MATting - TYPE A SLOPE	SOIL GUARD	MAT, INC. 888/477-3028 (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	BIONET S75BN	WESTERN GREEN 800/582-4005 CASCADE GEOS 971/339-1020	12/02/21	5385	A	STRAW AND JUTE NETTING

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00280.14E	MATTING - TYPE B SLOPE	EARTHGUARD FIBER MATRIX/VERTEX	LSC ENVIRONMENTAL PRODUCTS 800/800-7671 HANES GEOCOMPONENTS 800/426-4976	01/08/09	2972	A	SPRAY W/ WOOD CELLULOSE FIBER GUAR TACKIFIER, PAM STABILIZER & STARCH BIODEGRADABLE
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	BIODEGRADABLE
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	BIODEGRADABLE
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	BIODEGRADABLE
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	BIODEGRADABLE
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 BIODEGRADABLE
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 BIODEGRADABLE
00280.14E	MATTING - TYPE B SLOPE	FUSION	LSC ENVIRONMENTAL PRODUCTS 800/800-7671 HANES GEOCOMPONENTS 800/426-4976	06/19/19	5199	A	HYDRO. APPLIED, GAR, PAM STABILIZER SOIL BIO-AMENDMENTS BIODEGRADABLE
00280.14E	MATTING - TYPE B SLOPE	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

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00280.14E	MATting - TYPE B SLOPE	HYDRA CX2	NORTH AMERICAN GREEN 800/772-2040	05/14/09	3532	A	BIODEGRADABLE
00280.14E	MATting - TYPE B SLOPE	KANSAS EROSION KEP-C100 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5357	A	BIODEGRADABLE COIR & JUTE NETTING
00280.14E	MATting - TYPE B SLOPE	KANSAS EROSION KEP-S2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5358	A	BIODEGRADABLE WHEAT STRAW & JUTE NETTING
00280.14E	MATting - TYPE B SLOPE	KANSAS EROSION KEP-SC2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5359	A	BIODEGRADABLE WHEAT STRAW & COIR, JUTE NETTING
00280.14E	MATting - TYPE B SLOPE	SOIL GUARD	MAT, INC. 888/477-3028 (WAS WEYERHAEUSER UNTIL 12/99)	11/09/95	1403	A	MADE OF FIR AND HEMLOCK. BONDED FIBER MATRIX. HYDRAULICALLY APPLIED. BIODEGRADABLE
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
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 BIODEGRADABLE
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 BIODEGRADABLE
00280.14E	MATting - TYPE C SLOPE	AIRTROL GEOBINDER	USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594	07/09/09	3905	A	

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00280.14E	MATting - TYPE C SLOPE	BIONET S150BN	WESTERN GREEN 800/582-4005 CASCADE GEOS 971/339-1020	12/02/21	5386	A	STRAW AND JUTE NETTING
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. BIODEGRADABLE
00280.14E	MATting - TYPE C SLOPE	EARTHGUARD FIBER MATRIX	LSC ENVIRONMENTAL PRODUCTS 800/800-7671 HANES GEOCOMPONENTS 800/426-4976	08/13/09	2972	A	SPRAY W/ WOOD CELLULOSE FIBER GUAR TACKIFIER, PAM STABILIZER & STARCH BIO-DEGRADABLE
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	BIODEGRADABLE
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	BIODEGRADABLE
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	BIODEGRADABLE
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	BIODEGRADABLE
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 BIODEGRADABLE
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 BIODEGRADABLE

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00280.14E	MATTING - TYPE C SLOPE	FUSION	LSC ENVIRONMENTAL PRODUCTS 800/800-7671 HANES GEOCOMPONENTS 800/426-4976	06/19/19	5199	A	HYDRO. APPLIED, GAR, PAM STABILIZER SOIL BIO-AMENDMENTS BIODEGRADABLE
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.
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. BIODEGRADABLE
00280.14E	MATTING - TYPE C SLOPE	HYDRA CX2	NORTH AMERICAN GREEN 800/772-2040	05/14/09	3532	A	BIODEGRADABLE
00280.14E	MATTING - TYPE C SLOPE	HYDROSTRAW ALL IN 1 BONDED FIBER MATRIX	HYDROSTRAW 800/545-1755 RON EDWARDS	07/09/15	4899	A	BIODEGRADABLE
00280.14E	MATTING - TYPE C SLOPE	HYDROSTRAW BONDED FIBER MATRIX	HYDROSTRAW 800/545-1755 ED LEE	11/11/10	4164	A	BIODEGRADABLE
00280.14E	MATTING - TYPE C SLOPE	KANSAS EROSION KEP-C100 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5357	A	BIODEGRADABLE COIR & JUTE NETTING
00280.14E	MATTING - TYPE C SLOPE	KANSAS EROSION KEP-S2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5358	A	BIODEGRADABLE WHEAT STRAW & JUTE NETTING
00280.14E	MATTING - TYPE C SLOPE	KANSAS EROSION KEP-SC2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5359	A	BIODEGRADABLE WHEAT STRAW & COIR, JUTE NETTING

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00280.14E	MATting - TYPE C SLOPE	SOIL GUARD	MAT, INC. 888/477-3028 (WAS WEYERHAEUSER UNTIL 12/99)	11/09/95	1403	A	MADE OF FIR AND HEMLOCK. BONDED FIBER MATRIX. HYDRAULICALLY APPLIED. BIODEGRADABLE
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 BIODEGRADABLE
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 BIODEGRADABLE
00280.14E	MATting - TYPE D SLOPE	BIONET S150BN	WESTERN GREEN 800/582-4005 CASCADE GEOS 971/339-1020	12/02/21	5386	A	STRAW AND JUTE NETTING
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 NET FREE	AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426	11/13/08	3712	A	BIODEGRADABLE
00280.14E	MATting - TYPE D SLOPE	EARTHGUARD FIBER MATRIX/VERTEX	LSC ENVIRONMENTAL PRODUCTS 800/800-7671 HANES GEOCOMPONENTS 800/426-4976	08/13/09	2972	A	SPRAY W/ WOOD CELLULOSE FIBER GUAR TACKIFIER, PAM STABILIZER & STARCH BIODEGRADABLE
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	BIODEGRADABLE
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	BIODEGRADABLE

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**QUALIFIED LIST - ADDITIONAL REQUIREMENTS\*\***  
**JANUARY 2024**

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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	BIODEGRADABLE
00280.14E	MATting - TYPE D 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 BIODEGRADABLE
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 BIODEGRADABLE
00280.14E	MATting - TYPE D SLOPE	FUSION	LSC ENVIRONMENTAL PRODUCTS 800/800-7671 HANES GEOCOMPONENTS 800/426-4976	06/19/19	5199	A	HYDRO. APPLIED, GAR, PAM STABILIZER SOIL BIO-AMENDMENTS BIODEGRADABLE
00280.14E	MATting - TYPE D SLOPE	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
00280.14E	MATting - TYPE D SLOPE	GROUNDCONTROL HY-C3 STRAW & COTTON	EAST COAST EROSION CONTROL 610/488-8496	05/03/13	4619	A	HYDRAULICALLY APPLIED BIODEGRADABLE
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 BIODEGRADABLE
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. BIODEGRADABLE
00280.14E	MATting - TYPE D SLOPE	HYDRA CX2	NORTH AMERICAN GREEN 800/772-2040	05/14/09	3532	A	BIODEGRADABLE

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00280.14E	MATting - TYPE D SLOPE	KANSAS EROSION KEP-C100 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5357	A	BIODEGRADABLE COIR & JUTE NETTING
00280.14E	MATting - TYPE D SLOPE	KANSAS EROSION KEP-S2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5358	A	BIODEGRADABLE WHEAT STRAW & JUTE NETTING
00280.14E	MATting - TYPE D SLOPE	KANSAS EROSION KEP-SC2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5359	A	BIODEGRADABLE WHEAT STRAW & COIR, JUTE NETTING
00280.14E	MATting - TYPE D SLOPE	SOIL GUARD	MAT, INC. 888/477-3028 (WAS WEYERHAEUSER UNTIL 12/99)	11/09/95	1403	A	MADE OF FIR AND HEMLOCK. BONDED FIBER MATRIX. HYDRAULICALLY APPLIED. BIODEGRADABLE
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 BIODEGRADABLE
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 BIODEGRADABLE
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	BIODEGRADABLE
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 BIODEGRADABLE
00280.14E	MATting - TYPE E FLEXIBLE CHANNEL LINER	KANSAS EROSION KEP-C100 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5357	A	BIODEGRADABLE COIR & JUTE NETTING

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00280.14E	MATting - TYPE E FLEXIBLE CHANNEL LINER	KANSAS EROSION KEP-S2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5358	A	BIODEGRADABLE WHEAT STRAW & JUTE NETTING
00280.14E	MATting - TYPE E FLEXIBLE CHANNEL LINER	KANSAS EROSION KEP-SC2 NATURAL	KANSAS EROSION 919/480-5616 OBC NORTHWEST 503/266-2021	07/19/21	5359	A	BIODEGRADABLE WHEAT STRAW & COIR, JUTE NETTING
00280.14E	MATting - TYPE E FLEXIBLE CHANNEL LINER	KOIRMAT 700	NEDIA ENTERPRISES 888/725-6999	05/14/09	3718	A	BIODEGRADABLE
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 SLOPE	EROSION CONTROL BLANKET C 32 BD	EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115	05/01/15	4848	A	BIODEGRADABLE
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.
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.

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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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
00280.14E	MATTING - TYPE F FLEXIBLE CHANNEL LINER	ERONET P300	WESTERN GREEN 800/582-4005 CASCADE GEOS 971/339-1020	12/02/21	5387	Q	POLYPROPYLENE NET  CONSTRUCTION MATERIAL CMO REQUIRED
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 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 PC 42	EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115	02/20/15	4851	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 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 P 42	EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115	12/16/14	4850	Q	CONSTRUCTION MATERIAL CMO REQUIRED

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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	GREEN ARMOR SYSTEM 7020	PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115	05/10/18	5124	A	
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	Q	TURF REINFORCEMENT MAT  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	TURF REINFORCEMENT MAT  CONSTRUCTION MATERIAL CMO REQUIRED

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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
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	Q	ARTIFICIAL FIBER (SODA BOTTLES)  CONSTRUCTION MATERIAL CMO REQUIRED
00280.14E	MATting - TYPE F FLEXIBLE CHANNEL LINER	T-RECS HIGH PERFORMANCE TRM	EAST COAST EROSION CONTROL 610/488-8496	05/03/13	4617	Q	  CONSTRUCTION MATERIAL CMO REQUIRED
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.

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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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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 P 42	EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115	12/16/14	4850	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	GREEN ARMOR SYSTEM 7020	PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115	05/10/18	5124	A	MUST BE VEGETATED PER DATA SHEET TO MEET SHEAR STRENGTH SPECIFICATIONS

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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	Q	ARTIFICIAL FIBER (SODA BOTTLES)  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	TURF REINFORCEMENT MAT PERMANENT 100% RECYCLED CONSTRUCTION MATERIAL CMO REQUIRED
00280.14E	MATTING - TYPE G FLEXIBLE CHANNEL LINER	T-RES HIGH PERFORMANCE TRM	EAST COAST EROSION CONTROL 610/488-8496	02/13/15	4617	Q	  CONSTRUCTION MATERIAL CMO REQUIRED
00280.14E	MATTING - TYPE H FLEXIBLE CHANNEL LINER	ARMORFLEX CLOSED CELL BLOCK	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	01/10/08	3590	A	SUBJECT TO APPROVAL BY NATURAL RESOURCE AGENCIES AT DESIGN. CONCRETE BLOCKS
00280.14E	MATTING - TYPE H FLEXIBLE CHANNEL LINER	ARMORFLEX OPEN CELL BLOCK	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	02/14/08	3575	A	
00280.14E	MATTING - TYPE H FLEXIBLE CHANNEL LINER	ARMORFLEX TAPERED CELL BLOCK	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	02/14/08	3591	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	Q	  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	  CONSTRUCTION MATERIAL CMO REQUIRED

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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 P 42	EROSION CONTROL BLANKET 866/317-3346 ACF WEST INC 503/771-5115	12/16/14	4850	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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
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	GREEN ARMOR SYSTEM 7020	PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115	05/10/18	5124	A	MUST BE VEGETATED PER DATA SHEET TO MEET SHEAR STRENGTH SPECIFICATIONS
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	Q	TURF REINFORCEMENT MAT  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	TURF REINFORCEMENT MAT  CONSTRUCTION MATERIAL CMO REQUIRED

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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	Q	ON THE TEXAS QPL. ARTIFICIAL FIBER (SODA BOTTLES)  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	  CONSTRUCTION MATERIAL CMO REQUIRED
00280.14E	MATTING - TYPE H FLEXIBLE CHANNEL LINER	T-RES HIGH PERFORMANCE TRM	EAST COAST EROSION CONTROL 610/488-8496	02/13/15	4617	Q	  CONSTRUCTION MATERIAL CMO REQUIRED
00280.15A	CHECK DAM, TYPE 2	BMH-STRAW WATTLE W/NATURAL FIBER BIO- DEGRADABLE NETING 9", 12"	BLUE MOUNTAIN HAY, LLC 541/968-8565	11/09/20	5301	A	BIODEGRADABLE NETTING (BURLAP OR TENCEL)
00280.15A	CHECK DAM, TYPE 2	WESTERN FIBER ROLL 9"	WESTERN FIBER COMPANY DON SUGARMAN 310/939-9254	06/17/21	5339	A	BIODEGRADABLE NETTING (COTTON)
00280.15A	CHECK DAM, TYPE 3	BIO FILTER BAG	CITY OF ROSES DISPOSAL AND RECYCLING INC. 503/849-8881	11/12/09	2430	A	NOT BIO-DEGRADEABLE SHORT TERM WAS NAMED GRABHORN BIO FILTER BAG
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	NOT BIO-DEGRADEABLE
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	NOT BIO-DEGRADEABLE
00280.15A	CHECK DAM, TYPE 3	FILTREXX FILTERSOXX DITCHCHEXX	FILTREXX INTERNATIONAL 440/926-2607	12/08/05	3257	A	NOT BIO-DEGRADEABLE

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00280.15A	CHECK DAM, TYPE 3	RICE STRAW FIBER ROLL	KRISTAR ENTERPRISES 800/579-8819	11/09/06	2634	A	AVAILABLE, PHOTO OR BIODEGRADABLE NETTING
00280.15A	CHECK DAM, TYPE 3	SILTRAP CHECK BAG	HIGHWAY FUEL 503/363-6444	10/13/20	5260	A	
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	NOT BIODEGRADEABLE
00280.15A	CHECK DAM, TYPE 5	GEOBALE	GEOHAY 864/472-7000	12/13/07	3579	A	NOT BIO-DEGRADEABLE
00280.15A	CHECK DAM, TYPE 5	GEOFILTER	GEOHAY 864/472-7000	12/13/07	3580	A	NOT BIO-DEGRADEABLE
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. USE WITH A MATTING NOT BIO-DEGRADEABLE
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. NOT BIO-DEGRADEABLE
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	NOT BIO-DEGRADEABLE
00280.15A	CHECK DAM, TYPE: OTHER STRAW WATTLE	PERMALOK/PERMEATEX STRAW WATTL	NORTHWEST LININGS & GEOTEXTILE 253/867-5366	10/14/10	4194	A	NOT BIO-DEGRADEABLE

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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.
00280.15F	COMPOST FILTER SOCK MATERIAL	E-TUBE FILTER SOCK FABRIC	SOIL-TEK ETUBE FILTER SOCK PRODUCTS 515/480-0873	08/13/14	4761	A	FABRIC FOR RUNOFF CONTROL MATERIALS NOT FULLY BIODEGRADABLE PHOTO-DEGRADABLE
00280.15F	COMPOST FILTER SOCK MATERIAL	FILTREXX SILTSOXX BIOSOXX	FILTREXX 404/687-8393	10/24/19	5219	A	FABRIC FOR RUNOFF CONTROL MATERIALS BIO-DEGRADABLE
00280.15F	COMPOST FILTER SOCK MATERIAL	FILTREXX SILTSOXX WITH NATURAL PLUS MESH BIODEGRADABLE	FILTREXX 404/687-8393	12/28/20	5330	A	FABRIC FOR RUNOFF CONTROL MATERIALS BIO-DEGRADABLE
00280.15F	COMPOST FILTER SOCK MATERIAL	PAC-SOCK COMPOST FILTER SOCK	PACIFIC CONTRACTOR SUPPLY 541/936-2619	07/07/21	5352	A	FABRIC FOR RUNOFF CONTROL MATERIALS PHOTO-DEGRADABLE
00280.16D	INLET PROTECTION TYPE 10	CURB INLET SEDIMENT DAM	AMERICAN ENVIRON. 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 1	BASIN WORK'R ECO	MIKE'S PRODUCTS 503/256-5607	07/24/15	4885	A	
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 1 CURB	DP DRAIN TOPPER CURB	DP 208/270-1225	09/30/20	5292	A	CURB

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00280.16D	INLET PROTECTION - TYPE 3	BASIN WORK'R ECO NO FRAME	MIKE'S PRODUCTS 503/256-5607	07/24/15	4885	A	VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL AND MONITOR PER MFG INSTRUCTIONS
00280.16D	INLET PROTECTION - TYPE 3	DANDY CURB BAG SURFACE AND CURB INLET	DANDY PRODUCTS, INC 800/591-2284 SPILL CONTROL, INC 800/300-1649	11/17/14	4814	A	DESIGNED FOR 250 GPM/FTSQ VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL AND MONITOR PER MFG INSTRUCTIONS
00280.16D	INLET PROTECTION - TYPE 3	DANDY CURB SACK SURFACE AND CURB INLET	DANDY PRODUCTS, INC 800/591-2284 SPILL CONTROL, INC 800/300-1649	11/17/14	4810	A	DESIGNED FOR 250 GPM/FTSQ VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL AND MONITOR PER MFG INSTRUCTIONS
00280.16D	INLET PROTECTION - TYPE 3	DANDY SACK NO FRAME	DANDY PRODUCTS, INC 800/591-2284 SPILL CONTROL, INC 800/300-1649	11/17/14	4812	A	DESIGNED FOR 250 GPM/FTSQ VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL AND MONITOR PER MFG INSTRUCTIONS
00280.16D	INLET PROTECTION - TYPE 3	DRAIN BAGS NO FRAME	SPILL CONTROL, INC 800/300-1649	10/24/12	4539	A	VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED
00280.16D	INLET PROTECTION - TYPE 3	DRAIN WEB DW4000REC 36"X24" FRAMED	ENVIROMET 360/944-6100	12/20/17	5103	A	VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED
00280.16D	INLET PROTECTION - TYPE 3	DREAM STREAM GCDOTFB-3624 NO FRAME 36"X36"	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 FRAMED	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	FRAME & FILTER ASSEMBLY-DOME POLYMER FRAME	SILT SAVER, INC 770/388-7818 FERGUSON 541/618-7418	12/20/17	5101	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	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 AND MONITOR PER MFG INSTRUCTIONS REBAR USED INPLACE OF FRAME
00280.16D	INLET PROTECTION - TYPE 3	INLET PRO UNIVERSAL W/FRAME 16"X20" - 28"X36"	HANES GEO COMPONENTS 888/239-4539 360/831-3613	04/02/21	5317	A	
00280.16D	INLET PROTECTION - TYPE 3	MIKE'S PRODUCTS BASIN WORK'R FRAMED	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 AND MONITOR PER MFG INSTRUCTIONS REBAR USED INPLACE OF FRAME
00280.16D	INLET PROTECTION - TYPE 3	REGULAR FLOW SILTSACK	ACF ENVIRONMENTAL 804/271/2363 ACF WEST 800/878/5115	08/01/11	4442	A	VERIFY PRODUCT SIZE VS INLET SIZE INSTALL AND MONITOR PER MFG INSTRUCTIONS REBAR USED INPLACE OF FRAME
00280.16D	INLET PROTECTION - TYPE 3	STORM DRAIN DEFENDER DD300REC 16"X20 TO 24"X36 FRAMED	ENVIROMET 360/944-6100	12/20/17	5102	A	VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED
00280.16D	INLET PROTECTION - TYPE 3	STORM SENTINEL MODEL 4320NO 48" X 36" NO FRAME	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" NO FRAME	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	ENPAC CORPORATION 800/936-7229 PAT GOTHRO (ENPAC)253/288-9215 FNW- DOUG MYERS 253/437-5141 FNW- MIKE STEWART 503/240-6747	11/09/06	2936	A	VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED WAS MODEL 1341

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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 16"X20" TO 28"X36" FRAMED	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 FRAMED	SPILL CONTROL, INC 800/300-1649	12/24/12	4538	A	VERIFY PRODUCT SIZE VS INLET SIZE. INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED
00280.16D	INLET PROTECTION - TYPE 3	STREAMGUARD NO FRAME	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
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 NO FRAME	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	WIRELESS DRAIN WEB DD-W-100 (SERIES)	ENVIROMET 360/944-6100	04/02/18	5114	A	MODEL DD-100 HAS AN OVER FLOW MODEL DD-W100NO NO OVER FLOW
00280.16D	INLET PROTECTION - TYPE 3 24" X 36" MAX	ULTRA-DRAIN GUARD ECONOMY FRAME ADJ. FRAME MOD. #8936	ULTRATECH INTERNATIONAL 800/353-1611 EXT 211	11/21/19	5224	A	ADJUSTABLE FRAME INSTALL PER MFG INSTRUCTIONS. MONITOR & MAINTAIN AS REQUIRED OVERFLOW OPENINGS
00280.16D	INLET PROTECTION - TYPE 3 GAS & OIL	ULTRA-DRAIN GUARD OIL & SEDIME NO FRAME	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

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00280.16D	INLET PROTECTION - TYPE 4	BIO FILTER BAG	CITY OF ROSES DISPOSAL AND RECYCLING INC. 503/849-8881	11/12/09	2430	A	NOT BIO-DEGRADABLE  WAS NAMED GRABHORN BIO FILTER BAG
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 OTHER	GEOFILTER	GEOHAY 864/472-7000	12/13/07	3580	A	
00280.16D	INLET PROTECTION - TYPE 7	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 7	CURLEX SFW WATTLES	AMERICAN EXCELSIOR 888/352-9582 OR 715/236-5643 HANES GEO COMPONENTS 360/699-1426	02/13/15	4863	A	
00280.16D	INLET PROTECTION - TYPE 7	DREAM STREAM GCDOTFB-3624	THE GATE COMPANY 360/273-5802 MANARK PRODUCTS 360/790-9271	10/14/10	4174	A	NEED TO MONITOR.
00280.16D	INLET PROTECTION - TYPE 7	ENVIRO STRAW 9" STRAW WATTLE	ENVIRO-STRAW 208/270-1225	01/21/14	4703	A	
00280.16D	INLET PROTECTION - TYPE 7	FILTREXX FILTERSOXX INLETSOXX	FILTREXX INTERNATIONAL 440/926-2607	12/08/05	3258	A	

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00280.16D	INLET PROTECTION - TYPE 7	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 7	SS FIBER ROLLS (9X25) UV	EROSION CONTROL SERVICES MARK CLELLAND 208/337-4620	04/08/10	3928	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	
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	

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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-NATURAL NET STRAW WATTLE	OREGON STRAW WATTLE 503/519-0848	09/10/18	5151	A	WHEAT/RYE STRAW BIODEGRADABLE
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	
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	STRAW WATTLE 9"	KT MANUFACTURING 208/576-3301	09/26/18	5153	A	PHOTODEGRADABLE 6-12 MONTHS OR 12-18 MONTHS AVAILABLE

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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, POLYETHYLENE NET PHOTODEGRADABLE
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 4	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 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	HARD SURFACE GUARD	ERTEC ENVIRONMENTAL SYSTEMS 866/521-0724	11/05/18	5146	A	
00280.16E	SEDIMENT BARRIER, TYPE 7	PROWATTLE	ERTEC ENVIRONMENTAL SYSTEMS 866/521-0724	11/05/18	5144	A	
00280.16E	SEDIMENT BARRIER, TYPE 7	S-FENCE	ERTEC ENVIRONMENTAL SYSTEMS 866/521-0724	11/05/18	5145	A	

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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.
00280.16E	SEDIMENT BARRIER, TYPE 8	SILTRAP BIOFILTER SOCK	HIGHWAY FUEL 503/363-6444	05/12/20	5259	A	BIODEGRADABLE SWITCHGRASS NOT APPROVED NOT REUSABLE, NOT MOVABLE ONCE PLACED
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.
00280.16K	SEDIMENT CONTROL MATERIAL FLOCCULANT	CHITOSAN LACTATE PASSIVE TREATMENT SOCK/GELFLOC SOCK	SOUND ENVIRONMENTAL CONCEPTS,LLC 206/730-5376	11/14/17	5082	A	
00280.16K	SEDIMENT CONTROL MATERIAL FLOCCULANT	CHITOVAN LIQUID (ACETATE) 1%	DUNGENESS ENVIRONMENTAL 206/730-5370 ACF WEST 800/878-5115 CSI GEOSYNTHETICS 800/426-7976	09/11/10	3837	A	
00280.16K	SEDIMENT CONTROL MATERIAL FLOCCULENT	CHITOVAN CHITOSAN LACTATE CARTRIDGE	DUNGENESS ENVIRONMENTAL SOLUTIONS, INC 425/481-0600 HANES GEO SOLUTIONS 360/831-3613	10/05/20	5293	A	
00340.11A	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	
00340.11A	CHEMICAL DUST CONTROL-DRY TYPE 2	DUST ARMOUR	USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594	07/09/09	3904	A	
00340.11A	CHEMICAL DUST CONTROL-DRY TYPE 2	DUST STOP	CYPHER INTERNATIONAL LTD. 204/489-1214	01/10/08	3173	A	MFG CLAIMS NATURAL POLYSACCHARIDES.

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00340.11A	CHEMICAL DUST CONTROL-DRY TYPE 2	DUSTFLOC	FIBER MARKETING 800/426-6002	04/09/09	3268	A	
00340.11A	CHEMICAL DUST CONTROL-DRY TYPE 2	ENVIROPAM L	INNOVATIVE TURF SOLUTIONS 513/317-8311	03/10/11	4318	A	WAS NAMED HYDRAPAM
00340.11A	CHEMICAL DUST CONTROL-DRY TYPE 2	NATURESOWN TRIPLE TAC	HAMILTON MANUFACTURING 208/733-9689	02/10/11	4201	A	
00340.11A	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
00340.11A	CHEMICAL DUST CONTROL-DRY TYPE 2	PAM 12	ENCAP 877/405-5050	12/11/08	3545	A	PAPER/STRAW WITH TACKIFIER.
00340.11A	CHEMICAL DUST CONTROL-DRY TYPE 2 (TACKIFIER)	J-3000 GUAR	RANTEC CORPORATION 307/655-9565	10/14/10	1577	A	ACCEPTABLE AS A TACKING AGENT. DURATION: LONG TERM 3-5 MONTHS ORGANIC. MAIN COMPONENT: GUAR.
00340.11A	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
00340.11A	CHEMICAL DUST CONTROL-WET TYPE 1	EARTH BIND 100	ENVIROAD 800/536-2650	05/14/09	3673	A	POSSIBLE PROBLEMS IN S.C. PER APEL (4/06).
00340.11A	CHEMICAL DUST CONTROL-WET TYPE 1	ENVIROPAM(L) LIQUID	INNOVATIVE TURF SOLUTIONS 513/317-8311	03/10/11	4318	A	WAS NAMED HYDRAPAM (L)

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00340.11A	CHEMICAL DUST CONTROL-WET TYPE 1	SOIL TAC	SOILWORKS 800/545-5420	04/14/05	2939	A	
00340.11A	CHEMICAL DUST CONTROL-WET TYPE 1	TOP SEAL	SOILS CONTROL INTERNATIONAL 254/526-5550	05/14/09	1650	A	
00350.00	GEOCELL	ENVIROGRID	GEO PRODUCTS 281/820-5493 CSI GEOSYNTHETICS 800/426-7976	05/08/03	2699	Q	POLYETHYLENE CELLULAR CONFINEMENT SYSTEM ANCHORED WITH J-HOOKS. DESIGNED TO BE FILLED WITH A VARIETY OF ITEMS. CONSTRUCTION MATERIAL CMO REQUIRED
00390.00	SLOPE PROTECTION - TYPE 3	ARMORFLEX CLOSED CELL BLOCK	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	01/10/08	3590	A	
00390.00	SLOPE PROTECTION - TYPE 3	ARMORFLEX OPEN CELL BLOCK	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	02/14/08	3575	A	
00390.00	SLOPE PROTECTION - TYPE 3	ARMORFLEX TAPERED CELL BLOCK	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	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	
00398.00	ROCK BOLTS	R1J SOLID REBAR SPIN-LOCK BOLT #R1J	WILLIAMS FORM 800/255-0560 OR 503/285-4548	08/11/11	4452	Q	THIS IS MADE W/DOMESTIC STEEL.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00398.00	ROCK BOLTS	WILLIAMS HOLLOW CORE SPIN LOCK #R1H, #R1HT, #R1HG	WILLIAMS FORM 800/255-0560	10/09/03	2891	Q	THIS PRODUCT INCLUDES FOREIGN STEEL. USE ONLY WHEN SPECS ALLOW FOREIGN STEEL. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00414.10	CEMENTITIOUS PIPE LINERS (REPAIR MATERIAL)	CENTRI-CAST PIPE REPAIR MORTAR FIVE STAR PRODUCTS	FIVE STAR PRODUCTS, INC 800/243-2206	06/12/18	5066	A	FOR METAL AND CONCRETE CULVERTS REPAIR
00414.10	CEMENTITIOUS PIPE LINERS (REPAIR MATERIAL)	GEOCAST GEOPOLYMER MORTAR	STANDARD CEMENT MATERIALS, INC 888/278-1337	07/02/18	5123	A	FOR METAL AND CONCRETE CULVERTS REPAIR
00414.10	CEMENTITIOUS PIPE LINERS (REPAIR MATERIAL)	GEOSPRAY GEOPOLYMER	GEOTREE SOLUTIONS 706/302-4476	04/16/18	5088	A	FOR METAL AND CONCRETE CULVERTS REPAIR
00414.10	CEMENTITIOUS PIPE LINERS (REPAIR MATERIAL)	PERMACAST PL-8,000	AP/M PERMAFORM 800/662-6465	06/14/17	5042	A	FOR METAL AND CONCRETE CULVERTS REPAIR
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 #1006-80	THE QUIKRETE COMPANIES 503/982-4244	02/22/16	4938	A	TO BE USED FOR VISUALLY ACCEPTED WORK ITEMS
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	POLYDRAIN CURB RETURN DRAIN ADA GRATE	ABT, INC. 800/438-6057 BRAD SHORT 949/633-6111 NATHAN PAUL 443/956-9471	03/22/19	5194	A	REVIEW WITH STANDARDS ENGINEER FOR USE ON CURB AREAS WITH ADA RAMPS

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**JANUARY 2024**

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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	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
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

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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	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	INLET GRATE	DUCTILE INLET GRATE TYPE 3 I-4501-04	D&L FOUNDRY 509/765-7952	08/27/13	4635	Q	DUCTILE IRON  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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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	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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	Q	DUCTILE IRON  CERTIFICATE OF MATERIALS ORIGIN REQUIRED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	STANDARD MANHOLE RING A-2111-RR1	D&L FOUNDRY 509/765-7952	09/28/20	5291	Q	USES RIMRISER SYSTEM RR-0001 & RR-0058-4  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE ADJUSTING RING	PRORING MH GRADE ADJUSTMENT FINISH RING	CRETEX SPECIALTY PRODUCTS 800/345-3764	12/24/12	4415	Q	CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	MANHOLE ADJUSTING RING	PRORING MH GRADE ADJUSTMENT ANGLR RING	CRETEX SPECIALTY PRODUCTS 800/345-3764	12/24/12	4417	Q	CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	MANHOLE ADJUSTING RING	PRORING MH GRADE ADJUSTMENT RING	CRETEX SPECIALTY PRODUCTS 800/345-3764	12/24/12	4416	Q	CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	MANHOLE COVER	16 HOLE 3 BOLT MANHOLE COVER A-2107-12	D&L FOUNDRY 509/765-7952	08/27/13	4644	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE COVER	16 HOLE MANHOLE COVER A-2107-01 A-2107-01	D&L FOUNDRY 509/765-7952	08/27/13	4642	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00470.00	MANHOLE COVER	2 HOLE 3 BOLT MANHOLE COVER A-2107-14	D&L FOUNDRY 509/765-7952	08/27/13	4645	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE COVER	2 HOLE SUB/STAN MANHOLE COVER A-2107-03	D&L FOUNDRY 509/765-7952	08/27/13	4643	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE COVER	EAST JORDAN 2603C3 #00260420	EJ IRON WORKS FRANK RAY 503/550-1828 800/626-4653	05/08/08	3615	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE COVER	GMI 26" COMPOSITE COVER & FRAME	GMI COMPOSITES, INC 811/755-1611	12/24/10	4290	Q	CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	MANHOLE COVER	WATER TIGHT SUB/STAN MANHOLE COVER A-2107-15	D&L FOUNDRY 509/765-7952	08/27/13	4646	Q	WATER TIGHT  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE COVER 16 HOLE	EJ 260323 #00260323	EJ IRON WORKS FRANK RAY 503/550-1828 800/626-4653	06/16/22	4910	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE COVER 2 HOLE	EJ 260325 #00260325	EJ IRON WORKS FRANK RAY 503/550-1828 800/626-4653	06/16/22	4911	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	00260011 SUBURBAN FRAME (EJ FOUNDRY) 00260011	EJ IRON WORKS FRANK RAY 503/550-1828 800/626-4653	04/13/23	5494	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	3 BOLT STANDARD MANHOLE RING A-2108-R3	D&L FOUNDRY 509/765-7952	08/27/13	4650	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00470.00	MANHOLE FRAME	3 BOLT STANDARD MANHOLE RING A-2107-R3	D&L FOUNDRY 509/765-7952	08/27/13	4648	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	EAST JORDAN 2603Z1 #00260315	EJ IRON WORKS FRANK RAY 503/550-1828 800/626-4653	05/08/08	3616	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	EJ 260311 #00260311	EJ IRON WORKS FRANK RAY 503/550-1828 800/626-4653	06/10/22	4920	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	GMI 26" COMPOSITE COVER & FRAME	GMI COMPOSITES, INC 811/755-1611	12/24/10	4290	Q	LOCKING MANHOLE FRAME AND COVE USED TOGETHER  CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	MANHOLE FRAME	STANDARD BOLTED GASKETED MANHOLE RING A-2110-R3	D&L FOUNDRY 509/765-7952	08/08/14	4774	Q	WATER TIGHT  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	STANDARD BOLTED MANHOLE RING A-2110-R2	D&L FOUNDRY 509/765-7952	08/08/14	4773	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	STANDARD MAN HOLE RING A-2111-R1	D&L FOUNDRY 509/765-7952	10/19/18	5035	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	STANDARD MAN HOLE RING A-2111-R3	D&L FOUNDRY 509/765-7952	10/19/18	5036	Q	3 BOLT LUGS  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	STANDARD MAN HOLE RING A-2111-R5	D&L FOUNDRY 509/765-7952	10/19/18	5037	Q	3 BOLT LUGS WITH 1/4" O-RING  CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00470.00	MANHOLE FRAME	STANDARD MANHOLE RING A-2108-R1	D&L FOUNDRY 509/765-7952	08/27/13	4649	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	STANDARD MANHOLE RING A-2110-R1	D&L FOUNDRY 509/765-7952	08/08/14	4772	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	SUBURBAN MANHOLE RING A-2107-RR1	D&L FOUNDRY 509/765-7952	09/28/20	5290	Q	USES RIMRISER SYSTEM RR-0001 & RR-0058-4  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME	SUBURBAN MANHOLE RING A-2107-R2	D&L FOUNDRY 509/765-7952	08/27/13	4647	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE FRAME MANHOLE COVER	CAP 30 FRAME AND COVER	CAP COMPOSITE ACCESS PRODUCTS 844/3442271 THE HOOS OBRUCE 503/9513895	01/25/19	5157	A	MOLDED FIBERGLASS REINFORCED THERMOSET-PLASTIC.
00470.00	MANHOLE RISER RING	1 1/2" PAVING RISER G-2051-R1	D&L FOUNDRY 509/765-7952	08/27/13	4637	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE RISER RING	1 1/4" PAVING RISER G-2050-R1	D&L FOUNDRY 509/765-7952	08/27/13	4636	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE RISER RING	2 1/2" PAVING RISER G-2052-R2	D&L FOUNDRY 509/765-7952	08/27/13	4639	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE RISER RING	2" PAVING RISER G-2052-R1	D&L FOUNDRY 509/765-7952	08/27/13	4638	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00470.00	MANHOLE RISER RING	3" PAVING RISER G-2053-R1	D&L FOUNDRY 509/765-7952	08/27/13	4640	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE RISER RING	4" PAVING RISER G-2054-R1	D&L FOUNDRY 509/765-7952	08/27/13	4641	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00470.00	MANHOLE RISER RING	INFRA-RISER	EJ IRON WORKS FRANK RAY 503/550-1828 800/626-4653	01/10/08	3546	Q	RECYCLED RUBBER COMPOSITE.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	MANHOLE RISER RING	LADTECH HDPE M.H. RISER RING	LADTECH - DWIGHT 877/235-7464 GREG BRUCE 503/951-3895	09/10/98	1730	Q	RECYCLED HDPE. MFG SAYS SPECIAL GROOVE IS NECESSARY TO FIT OUR MUD RINGS. CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	MANHOLE RISER RING	WHIRLYGIG MANHOLE COLLAR	WHIRLYGIG COMPANY 800/307-4263	04/13/00	2156	Q	CUSTOM TRIMMED THERMOPLASTIC CONCRETE FORM SYSTEM.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	HDPE POLYETHYLENE, TYPE III, CAT 3, CLASS B, PER ASTM D3350 FOR NON TRAFFIC AREAS ONLY. CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	PVC INLET  NON-INTERSTATE USE.	NYLOPLAST DRAIN BASIN	NYLOPLAST, A DIV OF ADS DEREK VON CANNON 801/419-1720 866/888-8479	02/08/07	2786	Q	NON-WHEEL TRACK USING APPROVED FRAME/GRATES. MIN. COVER 2' MAX DEPTH: 8', 18", 24", 30" DIA. ONLY CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	PVC INLET CG-2 NON-INTERSTATE USE.	NYLOPLAST CURB INLET CG-2	NYLOPLAST, A DIV OF ADS DEREK VON CANNON 801/419-1720 866/888-8479	02/08/07	2787	Q	NON-WHEEL TRACK USING APPROVED FRAME/GRATES. MIN COVER 2' MAX DEPTH: 8', 18", 24", 30" DIA. ONLY CONSTRUCTION MATERIAL CMO REQUIRED
00470.00	PVC INLET G-1 & G-2 NON-INTERSTATE USE.	NYLOPLAST ROAD & HWY BASIN	NYLOPLAST, A DIV OF ADS DEREK VON CANNON 801/419-1720 866/888-8479	02/08/07	2785	Q	NON-WHEEL TRACK USING APPROVED FRAME/GRATES. MIN. COVER 2' MAX DEPTH: 8', 18", 24", 30" DIA. ONLY CONSTRUCTION MATERIAL CMO REQUIRED

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00470.42	BOLT GRADE ADJUSTMENT SYSTEM	RIMRISER (#RR-0002 JACK NUT) (#RR-0034-5 JACK SCREW)	RIMRISER 360/833-2277	09/28/20	5289	Q	USED IN CONCRETE PRECAST SYSTEMS  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00512.14	SYNTHETIC SLURRY	BIG-FOOT SLURRY SYSTEM	MATRIX CONSTRUCTION PRODUCTS 630/364-3231	09/22/17	5067	A	
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
00535.10A	RESIN BONDED ANCHOR SYSTEM	HILTI HIT-HY 200-A V3 EPOXY	HILTI, INC. 800/879-8000 PETER ANDERSON 972/403-5948	06/29/16	4955	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL. WAS HILTI HIT-HY 200-A
00535.10A	RESIN BONDED ANCHOR SYSTEM	HILTI HIT-RE 100 EPOXY	HILTI, INC. 800/879-8000 PETER ANDERSON 972/403-5948	07/01/16	4965	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10A	RESIN BONDED ANCHOR SYSTEM	HILTI HIT-RE 500V3 EPOXY	HILTI, INC. 800/879-8000 PETER ANDERSON 972/403-5948	07/01/16	4966	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.

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00535.10A	RESIN BONDED ANCHOR SYSTEM	PE1000+ EPOXY INJECTION ADHESIVE	DEWALT 800/524-3244 SALES NORTHWEST 206/762-5812	10/08/09	3927	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10A	RESIN BONDED ANCHOR SYSTEM	PROANCHOR ELITE EPOXY	DAYTON SUPERIOR CORPORATION 888/977-9600 877/266-7732 WILLIAMS CONCRETE 503/265-5462	12/28/20	5302	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10A	RESIN BONDED ANCHOR SYSTEM	PURE 110+ EPOXY INJECTION ADHESIVE EPOXY	DEWALT 800/524-3244 SALES NORTHWEST 206/762-5812	01/27/15	4552	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10A	RESIN BONDED ANCHOR SYSTEM	RED HEAD A7+ EPOXY	ITW COMMERCIAL CONSTRUCTION NORTH AMERICA-RED HEAD 630/694-4855 206/450-4221	08/07/17	4983	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10A	RESIN BONDED ANCHOR SYSTEM	RED HEAD C6+ EPOXY	ITW COMMERCIAL CONSTRUCTION NORTH AMERICA-RED HEAD 630/694-4855 206/450-4221	08/06/18	5091	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10A	RESIN BONDED ANCHOR SYSTEM	SIMPSON AT-XP EPOXY	SIMPSON STRONG-TIE DEREK HARDY 206/304-1842 800/999-5099	07/08/14	4789	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10A	RESIN BONDED ANCHOR SYSTEM	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	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10A	RESIN BONDED ANCHOR SYSTEM	SIMPSON SET 3G EPOXY	SIMPSON STRONG-TIE DEREK HARDY 206/304-1842 800/999-5099	11/06/19	5188	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10A	RESIN BONDED ANCHOR SYSTEM	ULTRABOND HS-1CC EPOXY	ADHESIVES TECHNOLOGY CORP. 954/789-4764	03/26/19	5133	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.

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00535.10A	RESIN BONDED ANCHOR SYSTEM	ULTRABOND HYB-2CC EPOXY	ADHESIVES TECHNOLOGY CORP. 754/399-0556	06/01/22	5429	Q	WHEN EMBEDMENT NOT SPECIFIED SUBMIT A PRPOSED EMBEDMENT TO THE EOR FOR APPROVAL.
00535.10B	MECHANICAL ANCHOR SYSTEM TYPE A UNDERCUT	ATOMIC+ 316 STAINLESS	DEWALT 800/524-3244 SALES NORTHWEST 206/762-5812	07/06/20	5276	Q	SEE BDM Sizes: 3/8", 1/2", 5/8", 3/4"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00535.10B	MECHANICAL ANCHOR SYSTEM TYPE A UNDERCUT	HILTI HDA® 316 STAINLESS	HILTI, INC 800/879-8000 PETER ANDERSON 972/403-5948	07/06/20	5275	Q	SEE BDM Sizes: 10mm, 12mm, 16mm, 20mm  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00535.10B	MECHANICAL ANCHOR SYSTEM TYPE B EXPANSION	KWIK BOLT 3 HDG, 316 STAINLESS	HILTI, INC 800/879-8000 PETER ANDERSON 972/403-5948	07/06/20	5277	Q	SEE BDM Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 1"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00535.10B	MECHANICAL ANCHOR SYSTEM TYPE B EXPANSION	KWIK BOLT TZ 316 STAINLESS	HILTI, INC 800/879-8000 PETER ANDERSON 972/403-5948	07/06/20	5278	Q	SEE BDM Sizes: 3/8", 1/2", 5/8", 3/4"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00535.10B	MECHANICAL ANCHOR SYSTEM TYPE B EXPANSION	STRONG-BOLT 2 316 STAINLESS	SIMPSON STRONG-TIE DEREK HARDY 206/304-1842 800/999-5099	07/06/20	5280	Q	SEE BDM Sizes: 1/4", 3/8", 1/2", 5/8", 3/4", 1"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00535.10B	MECHANICAL ANCHOR SYSTEM TYPE B EXPANSION	TRUBOLT WEDGE HDG, 316 STAINLESS	ITW COMMERCIAL CONSTRUCTION NORTH AMERICA-RED HEAD 630/694-4855 206/450-4221	07/06/20	5279	Q	SEE BDM Sizes: 1/4", 3/8", 1/2", 5/8"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00535.10B	MECHANICAL ANCHOR SYSTEM TYPE C SCREW	TAPCON 410 STAINLESS	ITW COMMERCIAL CONSTRUCTION NORTH AMERICA-RED HEAD 630/694-4855	07/06/20	5282	Q	SEE BDM Sizes: 3/16", 1/4"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00535.10B	MECHANICAL ANCHOR SYSTEM TYPE C SCREW	TITEN HD HDG, 316 STAINLESS	SIMPSON STRONG-TIE DEREK HARDY 206/304-1842 800/999-5099	07/06/20	5281	Q	SEE BDM Sizes: 1/4", 3/8", 1/2", 5/8", 3/4"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00538.10	CRACK INJECTION EPOXY	CRACKBOND LR-321 LV	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	EP-SLV	E-CHEM, LLC JAMES HIGH 505/217-2121	05/17/17	5049	A	2 COMPONENT, HIGH MODULUS
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.

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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.
00538.10	CRACK INJECTION EPOXY	SIKADUR 52	SIKA CORPORATION 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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/17/14	4752	A	
00556.10A	MULTI-LAYER POLYMER CONCRETE OVERLAY EPOXY	CRACKBOND EPOTHANE T3	ADHESIVES TECHNOLOGY CORP. 954/789-4764	08/18/22	5404	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	EPX50-OVERLAY FAST	E-CHEM, LLC JAMES HIGH 505/217-2121	04/18/17	5048	A	FOR USE AT LOW TEMPERATURES FOLLOW MANUFACTURES RECOMMENDATIONS TEST DECK 2017
00556.10A	MULTI-LAYER POLYMER CONCRETE OVERLAY EPOXY	FLEXOLITH	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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	
00556.10A	MULT-LAYER POLYMER CONCRETE OVERLAY EPOXY	PRO-POXY TYPE III DOT LT	DAYTON SUPERIOR/UNITEX CLAY CHRISTIANSEN 801/671-3658	02/13/17	5017	A	FOR USE AT LOW TEMPERATURES FOLLOW MANUFACTURES RECOMMENDATIONS TEST DECK 2017

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00556.10A	MULT-LAYER POLYMER CONCRETE OVERLAY EPOXY	SIKADUR 22 LO MOD FS (FAST SET)	SIKA CORPORATION 800/933-7452	04/18/17	5051	A	FOR USE AT LOW TEMPERATURES FOLLOW MANUFACTURES RECOMMENDATIONS TEST DECK 2017
00556.10B	MULTI-LAYER POLYMER CONCRETE OVERLAY AGGREGATE	ARMORSTONE 982-3 416-NM	WASHINGTON ROCK QUARRIES 253/262-1661	01/14/14	4725	Q	
00556.10B	MULTI-LAYER POLYMER CONCRETE OVERLAY AGGREGATE	ARMORSTONE 980-3 FED HWY (WAS 416-FH)	WASHINGTON ROCK QUARRIES 253/262-1661	01/14/14	4726	Q	
00565.00	CFRP - WET LAY UP SYSTEM	SIMPSON STRONG-TIE COMPOSITE STRENGTHING SYSTEM	SIMPSON STRONG-TIE 206/507-8969 PF SUPPLY 971/804-3698	07/14/21	5355	Q	CSS-ES, CSS-EP, CSS-CUCF11, CSS-CUCF22, CSS-CUCF44
00565.00	CFRP-WET LAY UP SYSTEM	MBT MBRACE CF 130 WAS WABOMBACE 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	MEPEWRAP C UNI-AX 300 & 600 CFRP SYS. MAPEWRAP C UNI-AX 300 & 600/MAPEWRAP 31	MAPEI CORPORATION 954/637-5121	07/06/21	5342	Q	CARBON FIBER MAPEWRAP C UNI-AX 300 & 600 EPOXY MAPEWRAP 31
00565.00	CFRP-WET LAY UP SYSTEM	RENEW WRAP CF-335	GEOTREE SOLUTIONS 706/302-4476	09/11/03	2681	Q	MEETS CALTRANS REQUIREMENTS. FABRIC WAS FIBERBOND VELACARB VELACARB 335U / VELOXX LR
00565.00	CFRP-WET LAY UP SYSTEM	RENEW WRAP CF-600	GEOTREE SOLUTIONS 706/302-4476	06/10/10	4073	Q	APPROVED BY BRIDGE SECTION. FABRIC WAS VELACARB 600U

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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 CORPORATION 800/933-7452 THAD BROWN 425/486-5916 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	06/13/02	2612	Q	MEETS CALTRANS REQUIREMENTS. PLATE
00565.00	CFRP-WET LAY UP SYSTEM	STRUCTURAL TECHNOLOGIES V-WRAP FRP SYS. V-WRAPC400HM/V-WRAP770	STRUCTURAL TECHNOLOGIES 410/850-7000	07/06/21	5341	Q	CARBON FIBER V-WRAP C400HM & EPOXY V-WRAP 770
00582.10	COMPOSITE - DISC, FIXED	DISKTRON	R.J. WATSON, INC. 716/901-7020	10/09/08	1509	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - DISC, FIXED	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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - DISC, GUIDED	DISKTRON	R.J. WATSON, INC. 716/901-7020	10/09/08	1509	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - DISC, GUIDED	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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - DISC, NON GUI NON-GUIDED	DISKTRON	R.J. WATSON, INC. 716/901-7020	10/09/08	1509	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - DISC, NON GUI 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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00582.10	COMPOSITE - POT, FIXED	TECHSTAR POT BEARING - TF	TECHSTAR, INC WARREN BROWN 419/424-0888	10/08/09	1069	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - POT, FIXED	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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - POT, GUIDED	TECHSTAR POT BEARING - TC	TECHSTAR, INC WARREN BROWN 419/424-0888	10/08/09	1069	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - POT, GUIDED	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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - POT, NON GUID 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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	COMPOSITE - POT, NON GUID 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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	ELASTOMERIC - PLAIN	ALERT PLAIN ELASTOMERIC BRG.	ALL STATE INDUSTR / ALERT MFG. 847/350-0460	05/12/11	4291	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CONSTRUCTION MATERIAL CMO REQUIRED

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00582.10	ELASTOMERIC - PLAIN	SCOUGAL 60 DUROMETER PLAIN PAD	SCOUGAL RUBBER 206/763-2650	02/11/10	4093	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CONSTRUCTION MATERIAL CMO REQUIRED
00582.10	ELASTOMERIC - PLAIN	SEP PLAIN ELASTOMERIC BRG	D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801	09/09/10	4173	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CONSTRUCTION MATERIAL CMO REQUIRED
00582.10	ELASTOMERIC - PLAIN	VERSIFLEX PLAIN ELASTOMERIC	D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801	10/08/09	3881	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CONSTRUCTION MATERIAL CMO REQUIRED
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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	ELASTOMERIC - STEEL REINF	SEP LAMINATED ELASTOMERIC BRG	D.S. BROWN CO. 800/848-1730 LARRY DURAIN 800/848-1730 BRUCE HOLLIDAY 503-646-0801	09/09/10	4177	Q	MEETS APPROPRIATE PARTS OF SECTION 02570 AND 02571.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00582.10	ELASTOMERIC - STEEL REINF	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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00584.10	ELASTOMERIC CONCRETE FOR PAVING DAMS	E-CRETE 57N MODIFIED URETHANE	CHASE CORPORATION LLC 800/323-4182	05/23/19	5195	Q	3 PART, TWO PART MODIFIED URETHANE WITH AGGREGATE
00584.10	ELASTOMERIC CONCRETE FOR PAVING DAMS	EMCRETE II POLYURETHANE (2 PART + AGG)	SIKA CORPORATION 800/933-7452 EMSEAL CORPORATION 617/835-8541	06/08/20	5270	Q	3 PART, TWO PART POLYURETHANE WITH AGGREGATE
00584.10	ELASTOMERIC CONCRETE FOR PAVING DAMS	KBP PPC-1121 POLYESTER	KWIK BOND POLYMERS DAN ULDALL 360/600-7762	08/25/16	4973	Q	REQUIRES KBP 204 PRIMER ON PCC SURFACE

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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.
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"	MATRIX 502	CRAFCO INC. 800/528-8242 GREG SHARP 971/645-1826 DS BROWN 419/257-5478	12/11/08	1365	Q	MOVEMENTS ±1"
00585.10	EXPANSION JOINT SYSTEM, ASPHALTIC PLUG FOR MOVEMENTS OF < 1 1/2"	THORMA-JOINT	DYNAMIC SURFACE APPLICATIONS 800/491-5663	02/12/09	1570	Q	BJ SUPER (POLYMER MODIFIED ASPHALT) AND 3/4" COARSE AGGREGATE
00585.10	EXPANSION JOINT SYSTEM, ASPHALTIC PLUG FOR MOVEMENTS OF 1"	MATRIX 501	CRAFCO INC. 800/528-8242 GREG SHARP 971/645-1826	06/20/14	4777	Q	DEPTH 2"-8", MAXIMUM WIDTH 24"
00591.00	SPRAY WATERPROOFING MEMBRANE WARRANTED LIQUID	MATACRYL WPM	FPT INFRASTRUCTURE 336/789-7259	02/19/19	5158	Q	MATACRYL PRIMER CM MATACRYL MEMBRANE LAYER MATACRYL STC TACK COAT WITH AGG. GRADE LIMIT 0%-90% INCLINE
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

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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-MC-MIOMASTIC 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 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 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	SYSTEM SC-3	WASSER 800/627-2968 DAN WOLF 360/870-3513	06/28/18	5149	Q	PRIMER-MC-ZINC 100 INTERMEDIATE-MC-MIOMASTIC 100 TOP- MC FERROX A 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 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 TOP-ACROLON 218 HS
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 TOP-COROTHANE COAL TAR

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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 INTERMDIATE-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 INTERMDIATE-COROTHANE COAL TAR INTERMDIATE-COROTHANE COAL TAR TOP-SEAGUARD 1000
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 INTERMDIATE-MC TAR 100 INTERMDIATE-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	FLEXBIBLE SEAL	EPMAR CORPORATION 562/946-8781 BILL ANDRES 971/533-2363	11/08/07	3385	Q	
00594.12	STRUCTURAL STEEL CAULK	LOXON S1	SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612	10/11/07	3383	Q	WAS NAMED STAMPEDE 1 NAME CHANGED 2/7/2017
00594.12	STRUCTURAL STEEL CAULK	SIKAFLEX 1A	SIKA CORPORATION 800/933-7452 THAD BROWN 425/486-5916	11/08/07	3381	Q	

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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 2 PART	4SEASONS POURABLE POTHOLE FILLER	4SEASONS PAVEMENT REPAIR PRODUCTS, INC 231/861-7126	10/01/18	5132	A	LIQUID AND AGGREGATE MIXED ON SITE
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 BAGS	BOND X GREEN HP COLP PATCH	SEABOARD ASPHALT PRODUCTS CO. 410/355-0330	01/26/15	4866	A	

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00745.00	ASPHALT COLD PATCH - HP BAGS	MAX-A-PATCH ACP	SPECICHEM LLC 816/968-5600 WHITE CAP 503/287-4151	11/06/20	5303	A	
00745.00	ASPHALT COLD PATCH - HP BAGS AND 5 GALLON BUCKET	GREENPATCH HP PERM. NO VOC	COLD MIX MANUFACTURING CORP. 585/360-7079	10/08/18	5152	A	
00745.00	ASPHALT COLD PATCH - HP BUCKETS	AQUA PATCH	AQUA PATCH ROAD MATERIALS 844/869-8873	12/16/21	5252	A	WATER ACTIVATED
00745.00	ASPHALT COLD PATCH - HP BUCKETS	AQUAPHALT	ROADSTONE PRODUCTION, LLC 434/906-1273 CORAL SALES 503/344-1779	12/16/21	5371	A	WATER ACTIVATED
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.
00745.00	ASPHALT COLD PATCH - HP BULK	BAKER ROCK RESOURCES HP COLD PATCH	BAKER ROCK RESOURCES 503/642-2531	12/16/21	5370	A	FIELD EVALUATED BY REGION 2 MAINTENANCE
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	INFRA TECH 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.

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00745.00	ASPHALT COLD PATCH - HP BULK AND BAGS	PERMA PATCH	PERMA-PATCH, LLC 800/847-5744	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	QPR (QPR2000)	QPR DBA, QUIKRETE 423/637-2499 BLUK SOUTH COUNTY ASPHALT 971/235-4571	03/10/11	560	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	AVALANCHE 2022	MEYER LABORATORY, INC 816/228-4433	10/26/22	5474	A	NTPEP LISTED
00745.22	ASPHALT RELEASE AGENT	BA-30	CHEMTEK, INC 800/672-8536	06/08/23	5509	A	NTPEP LISTED
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	ZEP, INC. 877/428-9937 OR 404/352-1680	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	FIRST CHOICE ASPHALT RELEASE AGENT	BRODY CHEMICAL 801/963-2436	10/31/17	5070	A	NTPEP LISTED
00745.22	ASPHALT RELEASE AGENT	FIRST CHOICE ASPHALT RELEASE PLUS	BRODY CHEMICAL 801/963-2436	10/31/17	5071	A	NTPEP LISTED
00745.22	ASPHALT RELEASE AGENT	FIRST CHOICE CONCENTRATE ASPHALT RELEASE AGENT	BRODY CHEMICAL 801/963-2436	10/31/17	5072	A	NTPEP LISTED
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	GS ASPHALT SOLUTIONS TA-200 ASPHALT RELEASE	DELTA GREEN PRODUCTS/GS ASPHALT SOLUTION 310/532-0353	05/08/19	5191	A	NTPEP LISTED
00745.22	ASPHALT RELEASE AGENT	LUBE-TECH ENDURANCE HD	LUBRICATION TECHNOLOGIES INC. SCOTT HOMMERDING 763/746-1426	10/31/22	5476	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	NO. 1 ASPHALT RELEASE AGENT	ZEP, INC. 877/428-9937 OR 404/352-1680	10/31/17	5073	A	NTPEP LISTED

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00745.22	ASPHALT RELEASE AGENT	PAVEPRO BLUE (357)	CHEMTEK, INC 800/672-8536	06/16/21	5267	A	NTPEP LISTED
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	SUPER SLIDER	MEYER LABORATORY, INC 816/228-4433	06/16/21	5348	A	NTPEP LISTED
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.
00745.22	ASPHALT RELEASE AGENT	ULTRA SLIDER	MEYER LABORATORY, INC 816/228-4433	04/19/18	5109	A	NTPEP LISTED

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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 HOT APPLIED JOINT SEALANT AND MEET ASTM D6690 TYPE II.
00759.12	DETECTABLE WARNING DEVICE SURFACE APPLIED SEE REM. CONCRETE & ASPHALT RECTANGULAR & RADIAL	VANGUARD ADA SYSTEMS SURFACE APPLIED TWSI'S	VANGUARD ADA SYSTEMS 360/668-5700	08/08/02	2649	A	TRUNCATED DOME. LIQUID PRODUCT FOLLOW MANUFACTURER'S INSTRUCTIONS. TEMPORARY OR PERMANENT SEE PROJERCT REQUIREMENTS.
00759.12	DETECTABLE WARNING DEVICE SURFACE APPLIED TEMPORARY ASPHALT SURFACES - NO RECTANGULAR	ARMOR-TILE SURFACE APPLIED	ENGINEERED PLASTICS 800/682-2525 WHITE CAP 800/456-7445	05/08/03	2783	A	ADA-S-2424, ADA-S-2436, ADA-S-2448, ADA-S-2460. ADA-S-3648W, ADA-S-3660W ADHESIVE AND MECHANICAL FASTENERS.
00759.12	DETECTABLE WARNING DEVICE SURFACE APPLIED TEMPORARY ASPHALT SURFACES - NO RECTANGULAR	TUFTILE HIGH-IMPACT POLYMER TILES SURFACE APPLIED (REPLACEABLE)	TUFTILE, INC 847/307-3070 HOOKER CREEK, LLC 541/548-6322	06/25/14	4739	A	2'X1', 2'X2', 2'X3', 2'X4', 2'X5'
00759.12	DETECTABLE WARNING DEVICE SURFACE APPLIED TEMPORARY ASPHALT SURFACES - NO RECTANGULAR	ULTRA-ADA PADS - SURFACE MOUNT	ULTRATECH INTERNATIONAL 800/353-1611 EXT 211	06/12/08	3635	A	FLEXIBLE PAD. MODELS 0750, 0751, 0752,& 0753

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00759.12	DETECTABLE WARNING DEVICE SURFACE APPLIED TEMPORARY ASPHALT SURFACES - NO RECTANGULAR & RADIAL	ACCESS TILE SURFACE APPLIED TILE	ACCESS PRODUCTS 425/766-6234	05/14/09	3829	A	ACC-S-1212-XX, ACC-S-2424-XX ACC-S-2436-XX, ACC-S-2448-XX ACC-S-2460-XX, ACC-S-3648-XX ACC-S-3660-XX, ACC-S-3024-CRV
00759.12	DETECTABLE WARNING DEVICE SURFACE APPLIED TEMPORARY ASPHALT SURFACES - NO RECTANGULAR & RADIAL	SURFACE MOUNT COMPOSITE TILE	ADA SOLUTIONS 800/372-0519	06/11/09	3865	A	2436, 2448, 2460, 3648, 3660:IDRET1 2424,2436,2448,2460,3648,3660:IDRET2 24RADRET, 1212 IDRET2
00759.12	DETECTABLE WARNING DEVICE WET SET ASPHALT SURFACES - NO RECT. PERM.&TEMP.	ARMOR-TILE CAST IN PLACE	ENGINEERED PLASTICS 800/682-2525 WHITE CAP 800/456-7445	05/08/03	2782	A	ADA-C-1212, ADA-C-2424, ADA-C-2436, ADA-C-2448, ADA-C-2460 ADA-C-3648, ADA-C-3660
00759.12	DETECTABLE WARNING DEVICE WET SET ASPHALT SURFACES - NO RECT. PERM.&TEMP.	CAST-IN-PLACE COMPOSITE TILE	ADA SOLUTIONS 800/372-0519	06/11/09	3866	A	2436, 2448, 2460, 3648, 3660:IDPAV1 2436, 2448, 2460,3648, 3660:IDPAV2
00759.12	DETECTABLE WARNING DEVICE WET SET SNOW ZONE RECT. PERM.&TEMP.	ADA SOLUTIONS IRONDOME 12"X24", 24"X24", 24"X30"	ADA SOLUTIONS 800/372-0519 WESTSIDE CONCRETE ACC. 503/591-0203	01/30/23	5338	Q	UNCOATED/WILL PATINA PATCH ALL SURFACE VENT HOLES FLUSH WITH MANUFACTURE APPROVED MATERIAL OR METHOD CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00759.12	DETECTABLE WARNING DEVICE WET SET SNOW ZONE RECT. PERM.&TEMP.	ADVANTAGE CAST IRON TILE ADV-CI-1824,2424,3024,	ADVANTAGE TACTILE SYSTEMS, INC 888/679-4022 425/766-6234	06/02/20	5257	Q	UNCOATED/WILL PATINA PATCH ALL SURFACE VENT HOLES FLUSH WITH MANUFACTURE APPROVED MATERIAL CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00759.12	DETECTABLE WARNING DEVICE WET SET SNOW ZONE RECT. PERM.&TEMP.	ADVANTAGE PREMIER CAST IRON TILE ADV-CI-1824,2424,3024,	ADVANTAGE TACTILE SYSTEMS, INC 888/679-4022 425/766-6234	06/02/20	5258	Q	UNCOATED/WILL PATINA PATCH ALL SURFACE VENT HOLES FLUSH WITH MANUFACTURE APPROVED MATERIAL CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00759.12	DETECTABLE WARNING DEVICE WET SET SNOW ZONE RECT. PERM.&TEMP.	TUFTILE CAST IRON TILES (REPLACEABLE) 2'X1, 2'X2', 2'X2.5'	TUFTILE, INC 847/307-3070 HOOKER CREEK, LLC 541/548-6322	02/25/20	5193	Q	UNCOATED/ WILL PATINA PATCH ALL SURFACE VENT HOLES FLUSH WITH MANUFACTURE APPROVED MATERIAL CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00759.12	DETECTABLE WARNING DEVICE WET SET SNOW ZONE RECT.&RAD. PERM.&TEMP.	NEENAH FOUNDRY DETECTABLE WARNING PLATE R-4984 SERIES (B, Q, R)	NEENAH FOUNDRY COMPANY 253/343-3107 ROB FREEMAN 971/235-5127	02/25/20	5227	Q	UNCOATED/WILL PATINA PATCH ALL SURFACE VENT HOLES FLUSH WITH MANUFACTURE APPROVED MATERIAL OR METHOD CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00759.12	DETECTABLE WARNING DEVICE WET SET REPLACEABLE ASPHALT SURFACES - NO RECT. PERM.&TEMP.	ALERTCAST	CAPE FEAR SYSTEMS III 866/999-7452	03/06/13	4419	A	AC-2436, AC-2448, AC-2460 AC-3648, AC-3660
00759.12	DETECTABLE WARNING DEVICE WET SET REPLACEABLE ASPHALT SURFACES - NO RECT. PERM.&TEMP.	ARMOR-TILE REPL CAST IN PLACE HERCULITE	ENGINEERED PLASTICS 800/682-2525 WHITE CAP 800/456-7445	06/11/09	3858	A	ATR2436, ATR2448, ATR2460, & ATR3648.
00759.12	DETECTABLE WARNING DEVICE WET SET REPLACEABLE ASPHALT SURFACES - NO RECT. PERM.&TEMP.	TUFTILE HIGH-IMPACT POLYMER TILES WET - SET	TUFTILE, INC 847/307-3070 HOOKER CREEK, LLC 541/548-6322	06/25/14	4758	A	2'X1', 2'X2', 2'X3', 2'X4', 2'X5'
00759.12	DETECTABLE WARNING DEVICE WET SET REPLACEABLE ASPHALT SURFACES - NO RECT.&RAD. PERM.&TEMP.	ACCESS TILE REPL CAST IN PLACE TILE	ACCESS PRODUCTS 425/766-6234	05/14/09	3828	A	ACC-R-1212-XX, ACC-R-2424-XX ACC-R-2436-XX, ACC-R-2448-XX ACC-R-2460-XX, ACC-R-3648-XX ACC-R-3660-XX, ACC-R-3024CRV
00759.12	DETECTABLE WARNING DEVICE WET SET REPLACEABLE ASPHALT SURFACES - NO RECT.&RAD. PERM.&TEMP.	COMPOSITE WETSET REPLACEABLE TACTILE	ADA SOLUTIONS 800/372-0519	01/10/08	3582	A	2424REPY, 2436REPY, 2448REPY, 2460REPY, 3648REPY, 24RADREP,
00810.10	GUARDRAIL END TERMINAL MASH 2009 TL-2 TANGENT 'L'=25'	MSKT (STEEL POST) ENERGY ABSORBING UNIT	ROAD SYSTEMS, INC. JOHN DURKOS 330/346-0721 UNIVERSAL INDUSTRIAL SALES 800/424-9825	02/15/19	4979	Q	MASH SEQUENTIAL KINKING TERMINAL. HEIGHT 31" HEIGHT 31" CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00810.10	GUARDRAIL END TERMINAL MASH 2009 TL-3 0-2' FLARE 'L'=50'	MSKT (WOOD AND STEEL POST) ENERGY ABSORBING UNIT	ROAD SYSTEMS, INC. JOHN DURKOS 330/346-0721 UNIVERSAL INDUSTRIAL SALES 800/424-9825	07/28/16	4979	Q	MASH SEQUENTIAL KINKING TERMINAL. TESTED AT IMPACT SPEEDS OF 60MPH HEIGHT 31" CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00810.10	GUARDRAIL END TERMINAL MASH 2016 TL-2 FLARE NA L=38'-3.5"	SOFTSTOP END TERMINAL ENERGY ABSORBING UNIT	VALTIR LLC MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 8	01/21/14	4682	Q	TESTED FOR IMPACT SPEEDS UP TO 60MPH  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00810.10	GUARDRAIL END TERMINAL MASH 2016 TL-2 TANGENT 'L'=50'	MAX-TENSION GR END TERMINAL ENERGY ABSORBING UNIT	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	06/12/18	5118	Q	HEIGHT 31" NON-GATING RE-DIRECTIVE  CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00810.10	GUARDRAIL END TERMINAL MASH 2016 TL-2 & TL-3 3' FLARE 'L' = 39.7	MFLEAT NON-ENERGY ABSORBING UNIT	ROAD SYSTEMS, INC. JOHN DURKOS 330/346-0721 UNIVERSAL INDUSTRIAL SALES 800/424-9825	05/20/19	5196	Q	HEIGHT 31"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00810.10	GUARDRAIL END TERMINAL MASH 2016 TL-3 0-2' FLARE "L"=27' (TOTAL 55' 1/2")	MAX TENSION ENERGY ABSORBING UNIT	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	09/13/17	5076	Q	HEIGHT 31" NON-GATING RE-DIRECTIVE TOTAL INSTALATION LENGTH 55' 1/2" CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00810.10	GUARDRAIL END TERMINAL MASH 2016 TL-3 FLARE NA L=50**9.5"	SOFTSTOP END TERMINAL ENERGY ABSORBING UNIT	VALTIR LLC MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559 RANDY OLSON 8	01/21/14	4682	Q	TESTED FOR IMPACT SPEEDS UP TO 60MPH  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00810.10	GUARDRAIL END TERMINAL MASH 2016 TL-3 TANGENT 'L'=50'	MAX-TENSION MEDIAN ENERGY ABSORBING UNIT	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	06/12/18	5117	Q	HEIGHT 31" NON-GATING RE-DIRECTIVE  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00811.10	CABLE BARRIER SYSTEM 4 CABLE MASH TL-3, 4:1 SLOPE MASH TL-4, LEVEL SLOPE	GIBRALTAR MASH-16 TL4 CABLE BARRIER SYSTEM 4:1 TO LEVEL TERRAIN	GIBRALTAR GLOBAL, LLC 512/715-0808	12/16/20	5318	Q	STEEL OR PLASATIC SLEEVES WITH CONCRETE FOOTING  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00811.10	CABLE BARRIER SYSTEM MASH TL-3 4 CABLE	BRIFEN O-POST	BRIFEN USA 866/427-4336 405/793-9500	04/07/16	4948	Q	STEEL OR PLASTIC SLEEVES WITH CONCRETE FOOTING  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00811.11	CABLE BARRIER TERMINAL TL-3 MASH 4 CABLE	BRIFEN MASH GATING TERMINAL (MGT)	BRIFEN USA 866/427-4336 405/793-9500	04/28/20	5228	Q	GATING DEVICE. AS WITH THE OTHERS, TERMINAL NOT PART OF LENGTH OF NEED SOCKETED CONCRETE FOUNDATION OR MOWSTRI CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00811.11	CABLE BARRIER TERMINAL TL-3 MASH 4 CABLE	GIBRALTAR MASH-16 TL4 CABLE BARRIER SYSTEM 4:1 TO LEVEL TERRAIN	GIBRALTAR GLOBAL, LLC 512/715-0808	12/16/20	5319	Q	GATING DEVICE. AS WITH THE OTHERS, TERMINAL NOT PART OF LENGTH OF NEED SOCKETED CONCRETE FOUNDATION OR MOWSTRI CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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.

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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.
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, E PERMANENT, NARROW MASH TL-3 RE-DIRECTIVE, NON GATING.	DELTA CRASH CUSHION MASH TL-3	TRAFFIX DEVICES 801/979-7099	10/07/21	5356	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00830.00	IMPACT ATTENUATOR, F PERMANENT, WIDE MASH TL-3 RE-DIRECTIVE, NON GATING.	QUADGUARD M WIDE MASH TL-3	VALTIR LLC MIKE MADDEN 800/772-7976 CORAL SALES COMPANY 503/655-6351	10/08/21	5328	Q	22' LENGTH 69" WIDTH  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00830.00	IMPACT ATTENUATOR, G PERMANENT MASH TL-2 RE-DIRECTIVE, NON GATING	QUADGUARD M10	VALTIR LLC JIM CROWLEY 312/467-6750 DAN MCCARTHY 760/518-9929 CORAL SALES 800/538-7245	05/14/12	4492	Q	WIIDTHS 24" 13' LENGTH + TRANSITION CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00830.00	IMPACT ATTENUATOR, G PERMANENT MASH TL-2 RE-DIRECTIVE, NON GATING.	TAU-M PARALLEL	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	01/29/19	5173	Q	LENGTH 14' 2" WIDTH 30"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00830.00	IMPACT ATTENUATOR, H PERMANENT MASH TL-3 RE-DIRECTIVE, NON GATING.	TAU-M PARALLEL	LINDSAY TRANSPORTATION SOLUTIONS, LLC 707/374-6800	01/29/19	5173	Q	LENGTH 22' 9" WIDTH 30"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00830.00	IMPACT ATTENUATOR, J PERMANENT MASH TL-3 RE-DRECTIVE, NON GATING	QUADGUARD ELITE M10 (8 BAY)	VALTIR LLC 916/644-9102 CORAL SALES COMPANY 503/655-6351	08/18/16	4981	Q	LENGTH 27' 2" WIDTH 24"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00830.00	IMPACT ATTENUATOR, J PERMANENT, NARROW MASH TL-3 RE-DIRECTIVE, NON GATING	QUADGUARD M10	VALTIR LLC 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. NARROW WIIDTHS 24". 22' LENGTH + TRANSITION CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00830.00	IMPACT ATTENUATOR, J PERMANENT, NARROW MASH 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. LENGTH: 21'6" CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00830.00	IMPACT ATTENUATOR, J PERMANENT, NARROW MASH TL-3 RE-DIRECTIVE, NON GATING.	REACT M MASH TL-3	VALTIR LLC MIKE MADDEN 800/772-7976 CORAL SALES COMPANY 503/655-6351	10/07/21	5334	Q	LOW MAINTENANCE  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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 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 2	SHUR-FLEX DELINEATOR SD0031	SHUR-TITE PRODUCTS 512/218-9500	07/03/17	5058	A	REFLECTIVE SURFACE TO BE 4 INCHES TALL
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

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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
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 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 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

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00840.10	DELINEATOR - TYPE 5 BARRIER MARKER	BRITE MAX BARRIER MOUNT DELINEATOR BMJB 9 & 12	CUSTOM PRODUCTS CORPORATION HEIDI MCGEE 601/933-8276	07/25/22	5377	A	ALLUMINUM SUBSTRATE
00840.10	DELINEATOR - TYPE 5 BARRIER MARKER	PCBM-9CM BARRIER REFLECTOR	PEXCO LLC-DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 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 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 TRAFFIC SAFETY 800/547-8518	06/09/11	4343	A	BOLTED ON VERSION  DO NOT ATTACH TO POST BOLT
00840.10	DELINEATOR - TYPE 6 BUTTERFLY	BUTTERFLY GR MARKER MODEL 8GO HI AND DG SHEETING	PEXCO LLC-DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 TRAFFIC SAFETY 800/547-8518	06/09/11	4344	A	GLUED ON VERSION  DO NOT ATTACH TO POST BOLT
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.  DO NOT ATTACH TO POST BOLT
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 DO NOT ATTACH TO POST BOLT
00840.10	DELINEATOR - TYPE 6 BUTTERFLY FOR GUARDRAIL	GBD12 HI AND DG SHEETING	ARTUK INC. 847/841-7050	12/05/18	5125	A	BOLTED ON BANJO SLOT FOR BOLT 12 GAUGE GAURDRAIL MATERIAL DO NOT ATTACH TO POST BOLT
00840.10	DELINEATOR - TYPE 7 BARRIER MARKER	LUCIOL SYSTEMS BIDIRECTIONAL LINEAR DELINEATION	LUCIOL SYSTEMS 248/890-9454	06/09/11	3470	A	MODEL & LENGTH A.D= 12 1/2 ' , M.S= 27" E.X= 6 1/4' (1051111)
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.

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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	OZARK ROADMARKING GLASS BEADS AASHTO M247 TYPE 1	OZARK MATERIALS, LLC 334/213-2995	08/18/20	5286	Q	AASHTO M247-TYPE 1. COATED FOR PAINT AND THERMOPLASTIC  CONSTRUCTION MATERIAL CMO REQUIRED
00850.00	REFLECTIVE ELEMENTS FOR PAVEMENT MARKINGS	SWARCO AASHTO M247 TYPE 1	SWARCO INDUSTRIES 931/388-5900 MARK COLOMBO: 314/729-7197 MFG: 254/562-9879 TECH: 314/729-7197	07/20/17	5060	Q	AASHTO M247-TYPE 1. COATED FOR PAINT AND THERMOPLASTIC  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	USE WITH MMA COATED  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	USE WITH MMA COATED  CONSTRUCTION MATERIAL CMO REQUIRED
00850.00	REFLECTIVE ELEMENTS FOR PAVEMENT MARKINGS RECYCLED - REGULAR	POTTERS AASHTO M247 TYPE 1	POTTERS INDUSTRIES, INC. 503/266-7814 303/375-1293	12/14/95	1448	Q	AASHTO M247-TYPE 1. COATED  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	USE WITH THERMOPLASTIC COATED  CONSTRUCTION MATERIAL CMO REQUIRED
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	PERMANENT APPLICATIONS ONLY. TEST BY LOT. USE JACKETED DOUBLE BOILER W/ AGITATION
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	PERMANENT APPLICATIONS ONLY. TEST BY LOT. USE JACKETED DOUBLE BOILER W/ AGITATION

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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	TEMPORARY APPLICATIONS ONLY.
00855.00	MARKER ADHESIVE - BITUMIN STANDARD	EVERGRIP-OR # 172542	GULF STATES ASPHALT CO. VERNON TURNER 800/662-0987	09/14/00	1807	Q	TEMPORARY APPLICATIONS ONLY.
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	TEMPORARY APPLICATIONS ONLY.
00855.00	MARKER ADHESIVE - EPOXY	FIRMMARKER	FORREST TECHNICAL COATINGS 800/537-7201 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, RECESSED TYPE IAR REFLECTORIZED ABRASIVE RESISTANT	3-M 290 SERIES	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	03/22/12	1632	A	SIZE 4" X 3.5" X 0.6" NOMINAL USE EPOXY ADHESIVE USE FLEX BIT ADHESIVE
00855.00	PAVEMENT MARKER, RECESSED TYPE IAR, REFLECTORIZED.	STIMSONITE C40	ENNIS-FLINT 336/475-6600	01/03/19	5163	A	SIZE 4" X 1.9" X 0.5" NOMINAL USE FLEX BIT ADHESIVE REFLECTOR BODY WILL BE YELLOW OR WHITE TO MATCH THE PRIMARY LENS. NO BLACK BODY
00855.00	PAVEMENT MARKER, TYPE I 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 I REFLECTORIZED, RAISED ABRASIVE RESISTANT	3-M 290 SERIES	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	03/22/12	1632	A	SIZE 4" X 3.5" X 0.6" NOMINAL USE EPOXY ADHESIVE USE FLEX BIT ADHESIVE
00855.00	PAVEMENT MARKER, TYPE IAR REFLECTORIZED, RAISED ABRASIVE RESISTANT	3-M 290 SERIES	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	03/22/12	1632	A	SIZE 4" X 3.5" X 0.6" NOMINAL USE EPOXY ADHESIVE USE FLEX BIT ADHESIVE
00855.00	PAVEMENT MARKER, TYPE IAR REFLECTORIZED, RAISED ABRASIVE RESISTANT	APEX 921AR PAVEMENT MARKER	APEX UNIVERSAL 562/944-8878	09/17/14	4808	A	
00855.00	PAVEMENT MARKER, TYPE IAR 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 IAR 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 II NON-REFLECTORIZED	DIAMOND BACK - POLYPROPYLENE	INTERSTATE SALES 800/237-7245	09/13/01	2235	Q	APPROVED FOR USE WITH BITUMINOUS ADHESIVES ONLY. 4" DIAMETER. CONSTRUCTION MATERIAL CMO REQUIRED
00856.10	MARKER, TUBULAR SURFACE MOUNTED PERMANENT	SHUR-TITE U-FLEX SURFACE MOUNT	SHUR-TITE PRODUCTS 512/971-9502 TRAFFIC SAFETY SUPPLY 503/830-2048	05/12/22	5375	Q	28",36" TALL WHITE & YELLOW  18" & 24" FOR ADA USE ONLY
00856.10	MARKERS, TUBULAR SURFACE MOUNTED PERMANENT	CITY POST	PEXCO LLC - DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 TRAFFIC SAFETY 800/547-8518	05/15/17	5030	Q	28", 36", 48" TALL WHITE & YELLOW SOCKET AND SCREW IN MOUNTING
00856.10	MARKERS, TUBULAR SURFACE MOUNTED PERMANENT	CITY POST (SM) SURFACE MOUNT	PEXCO LLC - DAVIDSON TRAFFIC 877/335-4638 STEVE LOOP 253/284-8000 CRAIG SCHULZ 253/284-8005 TRAFFIC SAFETY 800/547-8518	11/22/16	5005	Q	28", 36", 48" TALL WHITE & YELLOW  18" & 24" FOR ADA USE ONLY

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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	TD5200-526859WFB/526859YFB	THREE D TRAFFIC WORKS 877/843-9757	04/14/11	3598	Q	28" TALL  18" & 24" FOR ADA USE ONLY
00856.10	MARKERS, TUBULAR SURFACE MOUNTED PERMANENT	TD5200-526950WFB	THREE D TRAFFIC WORKS 877/843-9757	04/14/11	3706	Q	WHITE - 36" TALL  18" & 24" FOR ADA USE ONLY
00856.10	MARKERS, TUBULAR SURFACE MOUNTED PERMANENT	TD5200-526963YFB	THREE D TRAFFIC WORKS 877/843-9757	04/14/11	3707	Q	YELLOW - 36" TALL  18" & 24" FOR ADA USE ONLY
00856.10	MARKERS, TUBULAR SURFACE MOUNTED PERMANENT	TD5200-527223WFB/527223YFB	THREE D TRAFFIC WORKS 877/843-9757	04/14/11	3596	Q	48" TALL  18" & 24" FOR ADA USE ONLY
00856.10	MARKERS, TUBULAR SURFACE MOUNTED PERMANENT	DURAPOST	SAFE-HIT CORP. 888/323-6374 DAN MCCARTHY 760/295-2699	01/21/14	1182	Q	28", 36" TALL 100% URETHANE PLASTIC, PIN AT BASE HOLDS TOP ON. PRODUCT IS 3" DIA. 18" & 24" FOR ADA USE ONLY
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 1110 WHITE	SWARCO/COLORADO PAINT COPANY 303/388-9265	09/19/16	4997	A	

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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	LOW TEMP WATERBORNE TRAFFIC PAINT 985351 WHITE, 985352 YELLOW	ENNIS PAINT 800/331-8118	12/12/16	5019	A	LOW TEMPERATURE/FASTER NO TRACK TIME APPLICABLE
00860.00	LONGITUDINAL PAINT WATERBORNE	OZARK MATERIALS HP WATERBORNE PAINT 700 SERIES WHITE 17242, YELLOW 27242	OZARK MATERIALS, LLC 334/213-2995	12/29/20	5329	A	LOW TEMPERATURE/FASTER NO TRACK TIME APPLICABLE
00860.00	LONGITUDINAL PAINT WATERBORNE	SHERWIN-WILLIAMS HOTLINE TM2153 (5 GAL) TM2259 (55-275 GAL)	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 WAS COLUMBIA 17-123 CC
00860.00	LONGITUDINAL PAINT WATERBORNE	SHERWIN-WILLIAMS HOTLINE TM2152 (5 GAL) TM2248 (55-275 GAL)	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 WAS COLUMBIA 17-123 WW
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	
00860.00	LONGITUDINAL PAINT WATERBORNE	WATERBORNE TRAFFIC PAINT 1166 YELLOW	SWARCO/COLORADO PAINT COPANY 303/388-9265	09/19/16	5000	A	

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00860.00	LONGITUDINAL PAINT WATERBORNE	WATERBORNE TRAFFIC PAINT LOW TEMPERATURE 1196 YELLOW	SWARCO/COLORADO PAINT COPANY 303/388-9265	09/19/16	5002	A	LOW TEMPERATURE/FASTER NO TRACK TIME APPLICABLE
00860.00	LONGITUDINAL PAINT WATERBORNE	WATERBORNE TRAFFIC PAINT LOW TEMPERATURE 1190 WHITE	SWARCO/COLORADO PAINT COPANY 303/388-9265	09/19/16	5001	A	LOW TEMPERATURE/FASTER NO TRACK TIME APPLICABLE
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 METHYL METHACRYLATE	EXTRABRITE (WHITE AND YELLOW)	BRITE PATH CORPORATION 503/285-8271	04/16/18	3825	Q	INTEGRAL BEADS: TYPE 1 DROP BEADS SWARCO 3132 50% SWARCOPLUS 9 50% 0.8#/10FT^2
00865.00	METHOD A EXTRUDED GROOVED NON-PROFILED METHYL METHACRYLATE	ROADZILLA MMA 4:1 (WHITE AND YELLOW)	AEXCEL CORPORATION 440/974-3800	06/28/18	4228	Q	25W-G011 WHITE, 25Y-G014 YELLOW 95W-D011 CATALYST BEADS: INTEGRAL TYPE 1 DROP: SWARCO 3132 1.2#/FT^2
00865.00	METHOD A EXTRUDED GROOVED NON-PROFILED MMA	ALTA ALL SEASON MMA ASM-650E WHITE	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4460	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2

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00865.00	METHOD A EXTRUDED GROOVED NON-PROFILED MMA	ALTA ALL SEASON MMA ASM-651E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4461	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2
00865.00	METHOD A EXTRUDED GROOVED NON-PROFILED MMA	ALTA S600 SERIES S600 WHITE & S601 YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	07/03/23	5515	Q	INTEGRAL BEADS SWARCO 100/600 (PART A) DROP ON BEADS SWARCO 3132 8#/100ft2
00865.00	METHOD A EXTRUDED GROOVED NON-PROFILED MMA	HPS-6 DURASET 2 MMA 999441W2 WHITE, 999441Y2 YELLOW	ENNIS-FLINT 800/331-8118	10/14/22	5472	Q	INTEGRAL BEADS -70+140 & TYPE I DROP ON BEADS SWARCO 3132 8-10#/GALLON
00865.00	METHOD A EXTRUDED GROOVED NON-PROFILED MMA	HPS-6 DURASET 3 MMA 999441W3 WHITE, 999441Y3 YELLOW	ENNIS-FLINT 800/331-8118	10/14/22	5473	Q	INTEGRAL BEADS -70+140 & TYPE I DROP ON BEADS SWARCO 3132 8-10#/GALLON
00865.00	METHOD A EXTRUDED GROOVED NON-PROFILED THERMOPLASTIC	ALTA ALL SEASON THERMOPLASTIC 250E WHITE & 251E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	07/20/17	5062	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3130 AND 3M SERIES 90
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	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

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00865.00	METHOD A EXTRUDED SURFACE NON-PROFIED 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 NON-PROFIED 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-PROFIED 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-PROFIED 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-PROFIED METHYL METHACRYLATE	EXTRABRITE (WHITE AND YELLOW)	BRITE PATH CORPORATION 503/285-8271	04/16/18	3825	Q	INTEGRAL BEADS: TYPE 1 DROP BEADS SWARCO 3132 50% SWARCOPLUS 9 50% 0.8#/10FT^2
00865.00	METHOD A EXTRUDED SURFACE NON-PROFIED METHYL METHACRYLATE	ROADZILLA MMA 4:1 (WHITE AND YELLOW)	AEXCEL CORPORATION 440/974-3800	06/28/18	4228	Q	25W-G011 WHITE, 25Y-G014 YELLOW 95W-D011 CATALYST BEADS: INTEGRAL TYPE 1 DROP: SWARCO 3132 1.2#/FT^2
00865.00	METHOD A EXTRUDED SURFACE NON-PROFIED MMA	ALTA ALL SEASON MMA ASM-651E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4461	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2
00865.00	METHOD A EXTRUDED SURFACE NON-PROFIED MMA	ALTA ALL SEASON MMA ASM-650E WHITE	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4460	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2
00865.00	METHOD A EXTRUDED SURFACE NON-PROFIED MMA	ALTA S600 SERIES S600 WHITE & S601 YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	07/03/23	5515	Q	INTEGRAL BEADS SWARCO 100/600 (PART A) DROP ON BEADS SWARCO 3132 8#/100ft2

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00865.00	METHOD A EXTRUDED SURFACE NON-PROFILED MMA	HPS-6 DURASET 2 MMA 999441W2 WHITE, 999441Y2 YELLOW	ENNIS-FLINT 800/331-8118	10/14/22	5472	Q	INTEGRAL BEADS -70+140 & TYPE I DROP ON BEADS SWARCO 3132 8-10#/GALLON
00865.00	METHOD A EXTRUDED SURFACE NON-PROFILED MMA	HPS-6 DURASET 3 MMA 999441W3 WHITE, 999441Y3 YELLOW	ENNIS-FLINT 800/331-8118	10/14/22	5473	Q	INTEGRAL BEADS -70+140 & TYPE I DROP ON BEADS SWARCO 3132 8-10#/GALLON
00865.00	METHOD A EXTRUDED SURFACE NON-PROFILED THERMOPLASTIC	ALTA ALL SEASON THERMOPLASTIC 250E WHITE & 251E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	07/20/17	5062	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3130 AND 3M SERIES 90
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	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.

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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 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 METHYL METHACRYLATE	OPTIMARK - BRIDGELINE YELLOW SWARCO 3132	ROAD OPTIC INC. 503/871-1471	03/02/15	3835	Q	2012 TEST DECK MY0031
00865.00	METHOD A EXTRUDED SURFACE PROFILED METHYL METHACRYLATE	PROBRITE (WHITE AND YELLOW)	BRITE PATH CORPORATION 503/285-8271	04/16/18	3824	Q	INTEGRAL BEADS: TYPE 1 DROP BEADS SWARCO 3132 50% SWARCOPLUS 9 50% 0.8#/10FT^2
00865.00	METHOD A EXTRUDED SURFACE PROFILED METHYL METHACRYLATE	ROADZILLA MMA 4:1 (WHITE AND YELLOW)	AEXCEL CORPORATION 440/974-3800	06/28/18	4228	Q	25W-G007PRO WHITE, 25Y-G006PRO YELLOW 95W-D006PRO CATALYST BEADS: INTEGRAL TYPE 1 DROP: SWARCO 3132 1.2#/FT^2
00865.00	METHOD A EXTRUDED SURFACE PROFILED MMA	HPS-6 DURASET 2 MMA 999441W2 WHITE, 999441Y2 YELLOW	ENNIS-FLINT 800/331-8118	10/14/22	5472	Q	INTEGRAL BEADS -70+140 & TYPE I DROP ON BEADS SWARCO 3132 8-10#/GALLON
00865.00	METHOD A EXTRUDED SURFACE PROFILED MMA	SWARCOPLAST MMA 4:1 5450 WHITE & 5456 YELLOW	SWARCO 303/388-9265	01/06/23	5287	Q	INTEGRAL BEADS - REFLEX 100/600 DROP ON BEADS SWARCO 3132 8-12#/GALLON
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

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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 GROOVED NON-PROFILED METHYL METHACRYLATE	SPRAYBRITE (WHITE AND YELLOW)	BRITE PATH CORPORATION 503/285-8271	04/16/18	3826	Q	INTEGRAL BEADS: TYPE 1 DROP BEADS SWARCO .3132 50% SWARCOPLUS 9 50% 0.8#/10FT^2
00865.00	METHOD B SPRAYED GROOVED NON-PROFILED MMA	HPS-6 DURASET 2 MMA 999441W2 WHITE, 999441Y2 YELLOW	ENNIS-FLINT 800/331-8118	10/14/22	5472	Q	INTEGRAL BEADS -70+140 & TYPE I DROP ON BEADS SWARCO 3132 8-10#/GALLON
00865.00	METHOD B SPRAYED GROOVED NON-PROFILED MMA	HPS-6 DURASET 3 MMA 999441W3 WHITE, 999441Y3 YELLOW	ENNIS-FLINT 800/331-8118	10/14/22	5473	Q	INTEGRAL BEADS -70+140 & TYPE I DROP ON BEADS SWARCO 3132 8-10#/GALLON
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.

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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
00865.00	METHOD B SPRAYED SURFACE  THERMOPLASTIC	ALTA ALL SEASON THERMOPLASTIC 250E WHITE & 251E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	07/20/17	5062	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3130 AND 3M SERIES 90
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 B SPRAYED SURFACE NON-PROFIED METHYL METHACRYLATE	SPRAYBRITE (WHITE AND YELLOW)	BRITE PATH CORPORATION 503/285-8271	04/16/18	3826	Q	INTEGRAL BEADS: TYPE 1 DROP BEADS SWARCO .3132 50% SWARCOPLUS 9 50% 0.8#/10FT^2
00865.00	METHOD B SPRAYED SURFACE NON-PROFIED MMA	ALTA ALL SEASON MMA ASM-651E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4461	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2
00865.00	METHOD B SPRAYED SURFACE NON-PROFIED MMA	ALTA ALL SEASON MMA ASM-650E WHITE	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4460	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2
00865.00	METHOD B SPRAYED SURFACE NON-PROFIED MMA	HPS-6 DURASET 2 MMA 999441W2 WHITE, 999441Y2 YELLOW	ENNIS-FLINT 800/331-8118	10/14/22	5472	Q	INTEGRAL BEADS -70+140 & TYPE I DROP ON BEADS SWARCO 3132 8-10#/GALLON
00865.00	METHOD B SPRAYED SURFACE NON-PROFIED MMA	HPS-6 DURASET 3 MMA 999441W3 WHITE, 999441Y3 YELLOW	ENNIS-FLINT 800/331-8118	10/14/22	5473	Q	INTEGRAL BEADS -70+140 & TYPE I DROP ON BEADS SWARCO 3132 8-10#/GALLON

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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 LOGAN MATSON 312/545-0920	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 LOGAN MATSON 312/545-0920	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 LOGAN MATSON 312/545-0920	08/11/11	3915	Q	2010 TEST DECK # 47 & 48. MICRO-CRYSTALINE BEADS 3-M SERIES 380-5AW CONTRAST WAS METHOD G
00865.00	METHOD D WET WEATHER EXTRUDED/GROOVED NON-PROFILED MMA	ALTA ALL SEASON MMA ASM-651E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4461	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2
00865.00	METHOD D WET WEATHER EXTRUDED/GROOVED NON-PROFILED MMA	ALTA ALL SEASON MMA ASM-650E WHITE	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4460	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2
00865.00	METHOD D WET WEATHER EXTRUDED/GROOVED NON-PROFILED THERMOPLASTIC	ALTA ALL SEASON THERMOPLASTIC 250E WHITE & 251E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	07/20/17	5062	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3130 AND 3M SERIES 90
00865.00	METHOD D WET WEATHER EXTRUDED/SURFACE NON-PROFILED MMA	ALTA ALL SEASON MMA ASM-650E WHITE	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4460	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2
00865.00	METHOD D WET WEATHER EXTRUDED/SURFACE NON-PROFILED MMA	ALTA ALL SEASON MMA ASM-651E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	12/18/18	4461	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3132 8#/100ft2 3M SERIES 50 6.6#/100ft2

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00865.00	METHOD D WET WEATHER EXTRUDED/SURFACE NON-PROFILED THERMOPLASTIC	ALTA ALL SEASON THERMOPLASTIC 250E WHITE & 251E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	07/20/17	5062	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3130 AND 3M SERIES 90
00865.00	METHOD D WET WEATHER SPRAYED/GROOVED NON-PROFILED THERMOPLASTIC	ALTA ALL SEASON THERMOPLASTIC 250E WHITE & 251E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	07/20/17	5062	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3130 AND 3M SERIES 90
00865.00	METHOD D WET WEATHER SPRAYED/SURFACE NON-PROFILED THERMOPLASTIC	ALTA ALL SEASON THERMOPLASTIC 250E WHITE & 251E YELLOW	ALTA TRAFFIC SOLUTIONS 503/482-7500	07/20/17	5062	Q	INTEGRAL BEADS AASHTO M247 TYPE 1 DROP ON BEADS SWARCO 3130 AND 3M SERIES 90
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 LOGAN MATSON 312/545-0920	08/13/09	3917	Q	3M REFLECTIVE ELEMENTS 90% WET & 10% DRY
00866.00	LONGITUDINAL, HP METHOD 2 - SPRAY GROOVED PLURAL COMPONENT ACRYLATE EPOXY	HPS-4 ACRYLATE EPOXY WHITE & YELLOW	ENNIS TRAFFIC SAFETY SOLUTIONS 800/331-8118	06/08/20	5274	Q	SWARCO 3130@16#/GAL
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%
00866.00	LONGITUDINAL, HP METHOD 2 - SPRAY GROOVED PLURAL COMPONENT EPOXY	MFUA-10 3180 WHITE & 3186 YELLOW	SWARCO/COLORADO PAINT COMPANY 919/208-3360	06/24/16	4954	Q	12# TYPE 1 & 12# TYPE 3 PER GALLON
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 LOGAN MATSON 312/545-0920	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.

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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 ACRYLATE EPOXY	HPS-4 ACRYLATE EPOXY WHITE & YELLOW	ENNIS TRAFFIC SAFETY SOLUTIONS 800/331-8118	06/08/20	5274	Q	SWARCO 3130@16#/GAL
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 EPOXY	MFUA-10 3180 WHITE & 3186 YELLOW	SWARCO/COLORADO PAINT COMPANY 919/208-3360	06/24/16	4954	Q	12# TYPE 1 & 12# TYPE 3 PER GALLON
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
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

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00867.00	TRANSVERSE MARKING TYPE B STANDARD PREFORMED THERMOPLASTIC 125 MILS	PREMARK XF	FLINT TRADING INC-(DBA) ENNIS-FLINT 336/475-6600 STACY SEMANSKEE 425/760-4452	03/03/20	5064	Q	NO PRE-HEAT WHITE (FNP125-397W-6) YELLOW (FNP125-397Y-6)
00867.00	TRANSVERSE MARKING TYPE B STANDARD TYPE B-HS HIGH SKID 125 MILS	PREMARK XF VIZIGRIP	FLINT TRADING INC-(DBA) ENNIS-FLINT 336/475-6600 STACY SEMANSKEE 425/760-4452	03/03/20	5065	Q	NO PRE-HEAT WHITE (FNP125-397WVG-6)
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 MARKING TYPE B STANDARD TYPE B-HS HIGH SKID PREFORMED THERMO 125 MILS	OPTAMARK SI	GEVEKO MARKINGS 770/543-8438	01/05/22	5481	Q	NO PRE-HEAT WHITE AND YELLOW
00867.00	TRANSVERSE MARKING - B HS HIGH SKID PREFORMED THERMOPLASTIC 125 MILS	PREFORM	PREFORM LLC 888/826-5161	10/02/23	5526	Q	WHITE NO PRE-HEAT
00867.00	TRANSVERSE MARKINGS TYPE B STANDARD  PREFORMED THERMO 125 MILS	OPTAMARK	GEVEKO MARKINGS 770/543-8438	01/10/17	5020	Q	NO PRE-HEAT WHITE AND YELLOW
00867.00	TRANSVERSE MARKINGS TYPE B STANDARD  PREFORMED THERMO 125 MILS	SWARCO PREFORMED THERMOPLASTIC	SWARCO INDUSTRIES 931/388-5900 MARK COLOMBO: 314/729-7197 MFG: 254/562-9879 TECH: 314/729-7197	03/09/20	5063	Q	NO PRE-HEAT WHITE AND YELLOW
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
00867.00	TRANSVERSE MARKINGS TYPE B STANDARD TYPE B-HS HIGH SKID PREFORMED THERMO 125 MILS	OPTATRAC (OPTAMARK WITH OPTATRAC)	GEVEKO MARKINGS 770/543-8438	07/06/17	5061	Q	NO PRE-HEAT WHITE AND YELLOW

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00868.00	COLORED LANE MARKING	ALTA-GRIP AG-50	ALTA TRAFFIC SOLUTIONS 503/482-7500	06/21/19	5208	Q	ODOT APPROVED COLOR IS GREEN.
00868.00	COLORED LANE MARKING	COLORSAFE	TRANSPO INDUSTRIES 914/636-1000	06/21/19	5207	Q	ODOT APPROVED COLOR IS GREEN.
00868.00	COLORED LANE MARKING	CYCLEGRIP MMAXX 999660G	ENNIS-FLINT 336/475-6600	06/21/19	5210	Q	ODOT APPROVED COLOR IS GREEN.
00868.00	COLORED LANE MARKING	OPTAMARK	GEVEKO MARKINGS 770/543-8438	07/06/17	5020	Q	ODOT APPROVED COLOR IS GREEN
00868.00	COLORED LANE MARKING	PREMARK BIKE LANE GREEN	ENNIS-FLINT 336/475-6600	06/21/19	5209	Q	ODOT APPROVED COLOR IS GREEN.
00907.10	BIRD SPIKES	BIRD SPIKE 2001	BIRD-B-GONE 800/392-6915	02/14/02	2523	Q	STAINLESS STEEL VERSION.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00907.10	BIRD SPIKES	NIXALITE MODEL S	NIXALITE OF AMERICA INC. 800/624-1189	02/14/02	2522	Q	STAINLESS STEEL VERSION.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00930.10	PSST - SIGN SUPPORT	ANCHOR TUBE HEAVY WALL ANCHOR 21/2" & 3" x 36" -7GA	SERVICE STEEL 503/224/9500 TRAFFIC SAFTY SUPPLY CO INC 800/547/8518	07/14/11	4430	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00930.10	PSST - SIGN SUPPORT	ONE PIECE TUBE ANCHOR HEAVY WALL ANCHOR	PACIFIC PRODUCTS 800/320-3230 TRAFFIC SAFETY 800/547-8518	05/13/10	3730	Q	2.5" X 2.5" & 3" X 3" 7GA 36" ANCHORS FOR 2 & 2.5" POSTS,PER TM687 MUST BE ASTM A500 GR & GALV ASTM A 123 CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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00930.10	PSST - SIGN SUPPORT	SOLID WALL ANCHOR FOR PSST ZUMAR	ZUMAR INDUSTRIES INC. 253/536-7740	07/07/23	5507	Q	3" X 36" AND 2.5" X 36" SEE ODOT TM687 ASTM A500B@ & GALV ASTM A123 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00930.10	PSST - SIGN SUPPORT	SQR-LOC PERFORATED SQUARE TRAFFIC POST	VALTIR LLC 214-801-4908	08/08/17	5053	Q	G90, 10 GAUGE 2 1/2" G90, 12 GAUGE, 1 1/2", 1 3/4", 2" 2 1/4" CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00930.10	PSST - SIGN SUPPORT	TELESPAR	ALLIED TUBE & CONDUIT 708/225-2121 TRAFFIC SAFETY 800/547-8518	04/14/16	4932	Q	G90, 12 GAUGE 2", 2 1/4", 2 1/2" G90 10 GAUGE 2 1/2"  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00930.10	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	Q	HARDWARE ON MFG# 021510. TOP ASSEMBLY ON MFG# 021910. BOTTOM BASE ON MFG#SB8-CTA-36G MUST BE GALVANIZED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
00990.10	HOT-MELT LOOP SEALANT EPOXY	EAS-14	QCM COMPANY 800/321-0170 930 S. CENTRAL KENT, WA 98052	05/01/88	762	Q	AC OR PCC. EPOXY. TYPES 1 & 2; FOR HILLS & FLAT GRADES. DAMP NOT WET. SPECS. REQ. 1 YR WARRANTY. CONSTRUCTION MATERIAL CMO REQUIRED
00990.10	HOT-MELT LOOP SEALANT 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.
00990.10	HOT-MELT LOOP SEALANT 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)
00990.10	HOT-MELT LOOP SEALANT 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	
00990.10	HOT-MELT LOOP SEALANT POLYESTER	BONDO P 6061	3-M TRAFFIC 404/661-1875 WAS BONDO CORP 800/241-3386	08/12/10	879	Q	POLYESTER. IT'S POURABLE, SELF LEVELING, ASSURES PROTECTION TO WIRES. SPECS. REQ. 1 YR WARRANTY. CONSTRUCTION MATERIAL CMO REQUIRED

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00990.10	HOT-MELT LOOP SEALANT POLYESTER	BONDO P-606V	3-M TRAFFIC 404/661/1875 ADVANCED TRAFFIC PRODUCTS 425/347/6308	12/30/11	4348	Q	POURABLE POLYESTER CURABLE BY FURNISHED MEKP  CONSTRUCTION MATERIAL CMO REQUIRED
01010.03	SCF-DISSOLVED METALS STORMWATER CONTROL FACIL	BIOPOD BIOFILTER SYSTEM (14 MODELS) 1.6 GMP/SQFT OF MEDIA, SA MEDIA MIN 18IN	OLDCASTLE INFRASTRUCTURE 971/271-0796	12/20/19	5225	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-DISSOLVED METALS STORMWATER CONTROL FACIL	FILTERRA BIORETENTION SYSTEM	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	01/14/10	3703	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-DISSOLVED METALS STORMWATER CONTROL FACIL	MODULAR WETLAND SYSTEMS	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	07/28/14	4765	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-OIL TREATMENT STORMWATER CONTROL FACIL	FILTERRA BIORETENTION SYSTEM	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	01/14/10	3703	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-OIL TREATMENT STORMWATER CONTROL FACIL	MODULAR WETLAND SYSTEMS	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	07/28/14	4765	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-PHOSPHOROUS TREATMENT STORMWATER CONTROL FACIL	BAY FILTER	ADANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDANIER 360/798-3731 WAS BAY SAVER, INC	07/10/08	3588	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-PHOSPHOROUS TREATMENT STORMWATER CONTROL FACIL	BIOPOD BIOFILTER SYSTEM (14 MODELS) 1.6 GMP/SQFT OF MEDIA, SA MEDIA MIN 18IN	OLDCASTLE INFRASTRUCTURE 971/271-0796	12/20/19	5225	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-PHOSPHOROUS TREATMENT STORMWATER CONTROL FACIL	FILTERRA BIORETENTION SYSTEM	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	06/25/12	3703	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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01010.03	SCF-PHOSPHOROUS TREATMENT STORMWATER CONTROL FACIL	STORMTREE 1.25GPM/SQFT OF MEDIA, SA MEDIA MIN 24IN	STORMTREE 781/534-2218	06/13/23	5506	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-PHOSPHOROUS TREATMENT STORMWATER CONTROL FACIL	THE KRAKEN MEMBRANE FILTER 0.04353 GPM/SQFT	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	12/18/20	5268	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-PHOSPHOROUS TREATMENT STORMWATER CONTROL FACIL 0.21 GPM/SQFT HI-FLOW CARTRIDGE	JELLYFISH FILTER 0.11 GPM/SQFT DRAIN DOWN CARTRIDGE	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3136	03/08/23	5394	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL	CONTINUOUS DEFLECTIVE SEPARATOR (CDS)	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	09/11/08	3690	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL	DOWNSTREAM DEFENDER	HYDRO INTERNATIONAL 207/321-3741 OR 207/756-6200	07/10/08	2001	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL	FILTERRA BIORETENTION SYSTEM	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	01/08/09	3703	Q	NOT ON WSDOE APPROVED LIST  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL	MODULAR WETLAND SYSTEMS	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	07/28/14	4765	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL	STORMTREE 1.25GPM/SQFT OF MEDIA, SA MEDIA MIN 24IN	STORMTREE 781/534-2218	06/13/23	5506	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SEDIMENT PRE-TREAT STORMWATER CONTROL FACIL	VORTECHS SYSTEM	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	09/11/08	3693	Q	CONSULT WITH GEO HYDRO STAFF CONSULT WITH GEO HYDRO STAFF INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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01010.03	SCF-SEDIMENT PRETREATMENT STORMWATER CONTROL FACIL	STORMCEPTOR	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	04/08/10	1696	Q	SEDIMENT CONTAINMENT.CLEAN- OUT IS BY VACUUM TRUCK. CONSULT WITH GEOHYDRO. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SUSPENDE SOLIDS STORMWATER CONTROL FACIL	BAY FILTER	ADANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDANIER 360/798-3731 WAS BAY SAVER, INC	07/10/08	3588	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SUSPENDE SOLIDS STORMWATER CONTROL FACIL	BIOPOD BIOFILTER SYSTEM (14 MODELS) 1.6 GMP/SQFT OF MEDIA, SA MEDIA MIN 18IN	OLDCASTLE INFRASTRUCTURE 971/271-0796	12/20/19	5225	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SUSPENDE SOLIDS STORMWATER CONTROL FACIL	FILTERRA BIORETENTION SYSTEM	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	01/14/10	3703	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SUSPENDE SOLIDS STORMWATER CONTROL FACIL	FLOGARD PERK FILTER	KRISTAR ENTERPRISES 951/970-0728	04/12/13	4605	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SUSPENDE SOLIDS STORMWATER CONTROL FACIL	MEDIA FILTRATION SYSTEM	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	09/11/08	3691	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SUSPENDE SOLIDS STORMWATER CONTROL FACIL	MODULAR WETLAND SYSTEMS	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	07/28/14	4765	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SUSPENDE SOLIDS STORMWATER CONTROL FACIL	STORMWATER MGT STORMFILTER	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	09/11/08	3692	Q	USE MEDIA ZPG CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01010.03	SCF-SUSPENDE SOLIDS STORMWATER CONTROL FACIL	THE KRAKEN MEMBRANE FILTER 0.05000GPM/SQFT	CONTECH ENGINEERED SOLUTIONS,LLC 503/258-3101	12/18/20	5268	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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01010.03	SCF-SUSPENDED SOLIDS STORMWATER CONTROL FACIL 0.21 GPM/SQFT HI-FLOW CARTRIDGE	JELLYFISH FILTER 0.11 GPM/SQFT DRAIN DOWN CARTRIDGE	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3136	03/08/23	5394	Q	CONSULT WITH GEO HYDRO STAFF PRIOR TO DESIGN AND/OR INSTALLATION. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
01011.11	POROUS PAVERS HEAVY DUTY	ARMORFLEX CLOSED CELL BLOCK	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	01/10/08	3590	Q	CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS HEAVY DUTY	ARMORFLEX OPEN CELL BLOCK	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	02/14/08	3575	Q	CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS HEAVY DUTY	ARMORFLEX TAPERED CELL BLOCK	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	02/14/08	3591	Q	CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS LIGHT DUTY	DRIVABLE GRASS	SOIL RETENTION 800/346-7995	04/17/12	4486	Q	LIGHT TRAFFIC  CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS LIGHT DUTY	ECORASTER E30	PURUS NA ECORASTER INC. 800/495-5517 EQO PRO LLC 503/793-5775	08/08/14	4785	Q	GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.18 CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS LIGHT DUTY	ECORASTER E40	PURUS NA ECORASTER INC. 800/495-5517 EQO PRO LLC 503/793-5775	08/08/14	4786	Q	GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.6 CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS LIGHT DUTY	ECORASTER E50	PURUS NA ECORASTER INC. 800/495-5517 EQO PRO LLC 503/793-5775	08/08/14	4776	Q	GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.96" CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS LIGHT DUTY	TYPAVE 25	BERRY GLOBAL, INC 615/847-7500 ACF WEST 800/878-5115	06/06/16	4939	Q	GRID, GRASS, GRAVEL RECYCLED HDPE 46"X46"X1" CONSTRUCTION MATERIAL CMO REQUIRED

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<b>STANDARD SPEC #</b>	<b>CATEGORY</b>	<b>PRODUCT NAME</b>	<b>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</b>	<b>EFFECTIVE DATE</b>	<b>PRODUCT NUMBER</b>	<b>LIST</b>	<b>REMARKS</b>
01011.11	POROUS PAVERS MEDIUM DUTY	BODPAVE 85 POROUS PAVING GRIDS	BERRY GLOBAL, INC 615/847-7500 ACF WEST 800/878-5115	10/11/12	4504	Q	MODULAR CELLULAR GRASS PAVER RECYCLED HDPE  CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS MEDIUM DUTY	ECORASTER E30	PURUS NA ECORASTER INC. 800/495-5517 EQO PRO LLC 503/793-5775	08/08/14	4785	Q	GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.18 CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS MEDIUM DUTY	ECORASTER E40	PURUS NA ECORASTER INC. 800/495-5517 EQO PRO LLC 503/793-5775	08/08/14	4786	Q	GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.6 CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS MEDIUM DUTY	ECORASTER E50	PURUS NA ECORASTER INC. 800/495-5517 EQO PRO LLC 503/793-5775	08/08/14	4776	Q	GRID, GRASS, GRAVEL, SAND POLYETHYLEN, LOW DENSITY 12.99"X12.99"X1.96" CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS MEDIUM DUTY	EZ ROLL GRASS PAVER	NDS 888/825-4716	03/06/13	4594	Q	CELLULAR GRASS PAVER  CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS MEDIUM DUTY	GRASSPAVE2 W/HYDROGROW	INVISIBLE STRUCTURES 303/395-1803	10/12/06	2402	Q	MODULAR CELLULAR GRASS PAVER  CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS MEDIUM DUTY	GRASSY PAVERS	RK MANUFACTURING 800/957-5575 ACF WEST 800/878-5115	04/08/10	2483	Q	PLASTIC  CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS MEDIUM DUTY	TRUEGRID PRO PLUS	AIRLITE PLASTICS DBA TRUEGRID PAVERS 346/237-2956 CASCADE GEOSYNTHETICS 971/339-1018	06/30/22	5416	Q	GRID, GRASS, GRAVEL HDPE 24"X24"X1.8" CONSTRUCTION MATERIAL CMO REQUIRED
01011.11	POROUS PAVERS MEDIUM DUTY	TYPAVE 25	BERRY GLOBAL, INC 615/847-7500 ACF WEST 800/878-5115	06/06/16	4939	Q	GRID, GRASS, GRAVEL RECYCLED HDPE 46"X46"X1" CONSTRUCTION MATERIAL CMO REQUIRED

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01012.11	POROUS PAVERS LIGHT, MEDIUM, HEAVY DUTY	STORM WATER CONTROL WATER QUALITY BIOFILTRATION SWALE		01/01/22		A	SEE SECTION 01011.11
01030.15A	MULCHES TEMPORARY	RAINIER FIBER	RAINIER VENEER INC FIBER MARKETING INT INC 206/459/4942	02/16/11	4346	A	
01030.15A	MULCHES TEMPORARY W/TACK	RAINIER FIBER + TAC	RAINIER VENEER INC FIBER MARKETING INT INC 206/459/4942	02/16/11	4347	A	
01030.15A	MULCHES, TEMPORARY	AIRTROL GEOBINDER	USG CORPORATION 916/417-5048 HANES GEO COMP. 800/324-4594	07/09/09	3905	A	
01030.15A	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
01030.15A	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
01030.15A	MULCHES, TEMPORARY	EARTH BARRIER MBFM	AGRIVESTMENTS 253/383-5014	08/14/08	3670	A	
01030.15A	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	
01030.15A	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	

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01030.15A	MULCHES, TEMPORARY	ENVIROPAM L	INNOVATIVE TURF SOLUTIONS 513/317-8311	03/10/11	4318	A	WAS NAMED HYDRAPAM
01030.15A	MULCHES, TEMPORARY	ENVIROPAM(L) LIQUID	INNOVATIVE TURF SOLUTIONS 513/317-8311	03/10/11	4318	A	WAS NAMED HYDRAPAM (L)
01030.15A	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.
01030.15A	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.
01030.15A	MULCHES, TEMPORARY	GEOSKIN	MULCH & SEED INNOVATION 205/540-5775	08/13/09	3897	A	85% STRAW & 15% COTTON PLANT MATERIAL.
01030.15A	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.
01030.15A	MULCHES, TEMPORARY	GROUNDCONTROL HY-C1 STRAW & COTTON	EAST COAST EROSION CONTROL 610/488-8496	05/03/13	4618	A	HYDRAULICALLY APPLIED
01030.15A	MULCHES, TEMPORARY	GROUNDCONTROL HY-C3 STRAW & COTTON	EAST COAST EROSION CONTROL 610/488-8496	05/03/13	4619	A	HYDRAULICALLY APPLIED
01030.15A	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.

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01030.15A	MULCHES, TEMPORARY	HYDROSPRAY	CELLULOSE FIBER 253/627-8008 EMERALD SEED & SUPPLY 541/504-0307	11/09/06	3063	A	INSTALL PER 01030.48(A)3.
01030.15A	MULCHES, TEMPORARY	HYDROSTRAW ALL IN 1 BONDED FIBER MATRIX	HYDROSTRAW 800/545-1755 RON EDWARDS	07/09/15	4899	A	
01030.15A	MULCHES, TEMPORARY	HYDROSTRAW BONDED FIBER MATRIX	HYDROSTRAW 800/545-1755 RON EDWARDS	11/11/10	4164	A	
01030.15A	MULCHES, TEMPORARY	HYDROSTRAW GUAR PLUS FORMULA	HYDROSTRAW 800/545-1755 RON EDWARDS	11/11/10	4165	A	3% GUAR
01030.15A	MULCHES, TEMPORARY	HYDROSTRAW HE CELLULOSE FIBER PLUS	PROFILE PRODUCTS, LLC 800/578-2354 ACF WEST 503/771-5115	09/24/21	5365	A	WHEAT STRAW FIBERS HIGH VISCOSITY COLLOIDAL POLYSACCHARIDES
01030.15A	MULCHES, TEMPORARY	MAT-FIBER	MAT, INC. 888/477-3028 CSI GEOSYNTHETICS 800/426-7976	01/13/05	2981	A	WOOD FIBER FOR HYDRO SEEDING
01030.15A	MULCHES, TEMPORARY	MAT-FIBER PLUS	MAT, INC. 888/477-3028 CSI GEOSYNTHETICS 800/426-7976	01/13/05	2982	A	WOOD FIBER FOR HYDRO SEEDING W/3% GUAR GUM TACKIFIER.
01030.15A	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.
01030.15A	MULCHES, TEMPORARY	NATURESOWN MULCH W/TAC	HAMILTON MANUFACTURING 208/733-9689	02/27/12	4450	A	

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01030.15A	MULCHES, TEMPORARY	PAM 12	ENCAP 877/405-5050	12/11/08	3545	A	PAPER/STRAW WITH TACKIFIER.
01030.15A	MULCHES, TEMPORARY	PERMAMATRIX BIOTIC SOIL AMENDM	SUNMARK ENVIRONMENTAL 503/241-7333	11/11/10	4218	A	
01030.15A	MULCHES, TEMPORARY	PROFILE SB 50/50	PROFILE PRODUCTS, LL 808/312-7671 ACF WEST INC 503/849-0971	04/11/22	5425	A	HYDRAULICALLY APPLIED
01030.15A	MULCHES, TEMPORARY	PROFILE WOOD	PROFILE PRODUCTS 847/215-1144 DAMON SUMP 503/537-8462 ACF WEST 800/878-5115	07/13/06	3316	A	
01030.15A	MULCHES, TEMPORARY	PROFILE WOOD WITH TACK	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
01030.15A	MULCHES, TEMPORARY	SSEC LEGACY BLEND	PROFILE PRODUCTS, LLC 800/578-2354 CASCADE GEOSYNTHETICS 971/339-1019	09/24/21	5366	A	WHEAT STRAW FIBERS
01030.15A	MULCHES, TEMPORARY	TURBOMULCH 70% WOOD	WESTERN EXCELSIOR 800/967-4009 GEOTEK 360/750-1955 DIST.: EMERALD SEED & SUPPLY	06/08/00	1804	A	WOOD FIBER, ORGANIC. W/O TACKIFIER. BIODEGRADABLE. 70% WOOD, 30% PAPER W/DYE.
01030.15A	MULCHES, TEMPORARY	WOODSTRAW	FOREST CONCEPTS 877/838-4759	12/13/07	3587	A	
01030.15A	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

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01030.15A	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
01030.15A	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
01030.15A	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
01030.15A	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
01030.15A	MULCHING TEMPORARY	NATURESOWN EVOLUTION 70	HAMILTON MANUFACTURING INC 208/733/9689	08/04/11	4202	A	
01040.17	SOIL BIO-AMENDMENT	BACTIFEED SOIL TREATMENT	TERRA SANA, LLC 801/556-3727 SPOIL YOUR SOIL, LLC 541/761-6958	06/12/18	5140	A	
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	
01040.17	SOIL BIO-AMENDMENT	MYCOAPPLY ENDO/ECTO PLUS	MYCORRHIZAL APPLICATIONS 866/476-7800 OR 541/476-3985	02/11/10	3940	A	

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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 REASEARCH 320/910-4800 ACF WEST 503/771-5115	05/30/13	4663	A	
01040.17E	SOIL BIO-AMENDMENT MYCORRHIZAL	FUSION	LSC ENVIRONMENTAL PRODUCTS 800/800-7671 HANES GEOCOMPONENTS 800/426-4976	06/19/19	5199	A	HYDRO. APPLIED, GAR, PAM STABILIZER SOIL BIO-AMENDMENTS
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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01040.17F	SOIL BIO-AMENDMENT MICROBES	AG-1000	TERAGANIX 866/396-8976 EMERGE DNA 458/215-9922	12/04/20	5314	A	
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	Q	ACRYLIC POLYMER REDUCE WATERINGS BY 50%. INTENDED FOR PLANTING IN LOW MOISTURE AREAS. CONSTRUCTION MATERIAL CMO REQUIRED
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)
01090.11	WEED CONTROL GEOTEXTILE	MIRAFI MSCALE E	TENCATE GEOSYNTHETICS 480/489-0601 CASCADE GEOSYNTHETICS 971/339-1020	03/24/22	5398	Q	CONSTRUCTION MATERIAL CMO REQUIRED
02010.10	CEMENT, TYPE I, II	ASIA CEMENT COMPANY TAIWAN	ASHGROVE CEMENT CO. DAVE BURG 503/207-2109	12/09/20	5306	A	ASIA CEMENT COMPANY TAIWAN AASHTO TYPE I, II
02010.10	CEMENT, TYPE I, II	CAL PORTLAND - MOJAVE CEMENT	CALPORTLAND COMPANY DAVE GERMER 971/235-2540	12/11/08	3724	A	
02010.10	CEMENT, TYPE I, II	CAL PORTLAND - NANJING	CALPORTLAND COMPANY DAVE GERMER 971/235-2540	05/14/09	1619	A	SOURCE: ONODA (NANJING).
02010.10	CEMENT, TYPE I, II	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 III	ASH GROVE CEMENT - MONTANA CITY	ASHGROVE CEMENT CO. DAVE BURG 503/207-2109	04/03/19	5189	A	MONTANA CITY AASHTO TYPE III

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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	ASH GROVE CEMENT - CONCH - ZHANGJIAGANG	ASHGROVE CEMENT CO. DAVE BURG 503/207-2109	07/05/18	5150	A	CONCH - ZHANGJIAGANG AASHTO TYPES I, II
02010.10	CEMENT, TYPES I, II	CAL PORTLAND - SSANGYONG CEMENT SSANGYONG CEMENT IND. CORP.	CALPORTLAND COMPANY DAVE GERMER 971/235-2540	07/26/13	4671	A	
02010.10	CEMENT, TYPES I, II	CAL PORTLAND - TAN THANG CEMENT TAN THANG CEMENT VIETNAM	CALPORTLAND COMPANY DAVE GERMER 971/235-2540	06/10/22	5430	A	AASHTO TYPE I,II
02010.10	CEMENT, TYPES I, II	CAL PORTLAND - VISSAI CEMENT VIETNA VISSAI CEMENT VIETNAM	CALPORTLAND COMPANY DAVE GERMER 971/235-2540	08/05/21	5361	A	AASHTO TYPE I,II
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
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	LAFARGE HOLCIM - TAN THANG TAN THANG CEMENT VIETNAM	LAFARGE HOLCIM ROB SHOGREN 206/399-7773	08/22/22	5470	A	AASHTO TYPE I, II

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02010.10	CEMENT, TYPES I, II	LEHIGH CEMENT-DELTA WAS CALAVARAS THEN TILBURY	LEHIGH NORTHWEST CEMENT CO. 503/293-8459 ERIK JOSEPHSON 360/260-6054	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	ASH GROVE CEMENT - SEATTLE	ASHGROVE CEMENT CO. DAVE BURG 503/207-2109	01/11/96	1472	A	SEATTLE PLANT ONLY. AASHTO TYPES I, II, III
02010.10	CEMENT, TYPES I, II, III	CALPORTLAND CEMENT-REDDING	CALPORTLAND CEMENT CO. DAVE GERMER 971/235-2540	01/11/96	1473	A	REDDING CALIFORNIA PLANT ONLY. AASHTO TYPES I,II,III
02010.20	CEMENT, TYPE IL	ASH GROVE CEMENT DURKEE	ASHGROVE CEMENT CO. DAVE BURG 503/207-2109	08/22/22	5469	A	TYPE IL LIMESTONE TARGET 8%
02010.20	CEMENT, TYPE IL	ASH GROVE CEMENT SEATTLE	ASHGROVE CEMENT CO. DAVE BURG 503/207-2109	07/24/20	5285	A	SEATTLE TYPE IL
02010.20	CEMENT, TYPE IL	ASH GROVE CEMENT VISSAI NINH BINH	ASHGROVE CEMENT CO. DAVE BURG 503/207-2109	06/14/21	5346	A	VISSAI NINH BINH VIETNAM TYPE IL
02010.20	CEMENT, TYPE IL	ASH GROVE CEMENT VISSAI SONG LAM	ASHGROVE CEMENT CO. DAVE BURG 503/207-2109	03/08/22	5403	A	TYPE IL
02010.20	CEMENT, TYPE IL	LAFARGE EXSHAW, ALBERTA	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	06/20/17	5056	A	TYPE IL

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02010.20	CEMENT, TYPE IL	LAFARGE RICHMOND, BRITISH COLUMBIA	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	04/21/17	5015	A	TYPE IL
02010.20	CEMENT, TYPE IL	LAFARGE TAN THANG	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	12/03/21	5362	A	TYPE IL
02010.20	CEMENT, TYPE IL	LEHIGH ECOCEM PLC-BELLINGHAM	HM NORTHWEST CEMENT COMPANY 206/348-1919	07/28/21	5353	A	TYPE IL LIMESTONE TARGET 15%
02010.20	CEMENT, TYPE IL	LEHIGH ECOCEM PLC-DELTA	HM NORTHWEST CEMENT COMPANY 206/348-1919	07/28/21	5354	A	TYPE IL LIMESTONE TARGET 15%
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
02010.20	CEMENT, TYPE IT (L15)(S3)	LAFARGE MAXCEM (L15)(S30)	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	04/12/17	5016	A	SLAG & LIME STONE SEATTLE PLANT TYPE IL CEMENT 30% SLAG
02011.10	RAPID HARDENING HYDRAULIC CEMENT	RAPID SET CEMENT	CTS CEMENT MFG. COMPANY TONY TOMASINI 360/607-3553	11/11/19	5220	Q	

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02015.20	PCC REPAIR	AQUAFIN PAVEMEND DOTLINE	AQUAFIN, INC 562/332-7111 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	05/22/18	5136	A	VERY RAPID SETTING
02015.20	PCC REPAIR	AQUAFIN PAVEMEND SL	AQUAFIN, INC 562/332-7111 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	05/22/18	5137	A	VERY RAPID SETTING
02015.20	PCC REPAIR	EUCOREPAIR SCC FAST	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	12/03/18	5168	A	VERY RAPID SETTING MINIMUM THICKNESS: 1 INCH
02015.20	PCC REPAIR	EXPRESS REPAIR	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	05/09/15	5121	A	VERY RAPID SETTING
02015.20	PCC REPAIR	FIVE STAR HIGHWAY PATCH FR	FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASONS SUPPLY 800/537-3407	11/16/17	5085	A	VERY RAPID SETTING
02015.20	PCC REPAIR	FIVE STAR HWY PATCH	FIVE STAR PRODUCT 800/243-2206 BRUCE HOLLIDAY 503/267-9515 WHITE CAP 503/287-4151 MASONS SUPPLY 800/537-3407	05/01/88	65	A	VERY RAPID SETTING
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

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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	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	PLANITOP 18 TG	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	06/12/18	5141	A	VERY RAPID SETTING 8" MAX DEPTH, CONTACT MAPEI
02015.20	PCC REPAIR	QUIKRETE COMMERCIAL GRADE FASTSET DOT MIX 1244-56	THE QUIKRETE COMPANIES, LLC 404/634-9100	11/20/20	5310	A	VERY RAPID SETTING
02015.20	PCC REPAIR	QUIKRETE COMMERCIAL GRADE FASTSET CONCRETE MIX	THE QUIKRETE COMPANIES, LLC 404/926-3128	06/21/22	5408	A	VERY RAPID SETTING
02015.20	PCC REPAIR	RAPID SET CEMENT ALL	CTS CEMENT MFG. CORPORATION TONY TOMASINI 360/607-3553	11/07/22	5477	A	VERY RAPID SETTING
02015.20	PCC REPAIR	RAPID SET D.O.T. REPAIR MIX	CTS CEMENT MFG. COMPANY TONY TOMASINI 360/607-3553 BASALITE-DUPONT 253/964-5000	07/14/11	1100	A	VERY RAPID SETTING RAPID SET CEMENT
02015.20	PCC REPAIR	RECRETE 20	DAYTON SUPERIOR CORPORATION 937/866-0711	12/28/20	5304	A	RAPID SETTING

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02015.20	PCC REPAIR	REPCON V/O	SPECICHEM LLC 206/714-3511 WHITECAP 503/287-4151	06/26/20	5221	A	RAPID SETTING
02015.20	PCC REPAIR	SIKACRETE 421 CI RAPID (EXTENDED)	SIKA CORPORATION 800/933-7452	07/06/21	5340	A	VERY RAPID SETTING CORROSION INHIBITOR/AIR ENTRAINED
02015.20	PCC REPAIR	SIKAQUICK 1000	SIKA CORPORATION 800/933-7452	12/28/20	5326	A	STANDARD SET
02015.20	PCC REPAIR	SIKAQUICK 2500	SIKA CORPORATION 800/933-7452	06/08/20	5271	A	VERY RAPID SETTING
02015.20	PCC REPAIR	SPEED CRETE 2028	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	01/09/03	1790	A	VERY RAPID SETTING MINIMUM THICKNESS: 1/2 INCH
02015.20	PCC REPAIR	SPEED CRETE RED LINE	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	10/09/08	2536	A	VERY RAPID SETTING
02015.20	PCC REPAIR	TARGET TRAFFIC PATCH FINE	TARGET PRODUCTS 604/551-4866 WHITECAP SUPPLY 503/287-4151 WILLIAMS FORM ENG. 503/286-3647	03/08/17	5034	A	VERY RAPID SETTING 1/2"-1" APPLICATIONS
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)

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02015.20	PCC REPAIR	US SPEC SC CONCRETE	US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560	12/28/21	5369	A	VERY RAPID SETTING
02015.20	PCC REPAIR	US SPEC STR MORTAR CI WAS 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	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
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
02015.20	PCC REPAIR	VERSASPEED 100	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	06/29/20	5246	A	VERY RAPID SETTING HAS MICRO FIBER
02015.20	PCC REPAIR	VERSASPEED LS 100	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	11/29/21	5372	A	RAPID SETTING HAS MICRO FIBER
02015.20	PCC REPAIR CALCIUM ALUMINATE	QUIKRETE RAPID ROAD REPAIR-CA	THE QUIKRETE COMPANIES, LLC 404/926-3128	06/21/22	5410	A	VERY RAPID SETTING

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02015.20	PCC REPAIR CALCIUM ALUMINATE	QUIKRETE RAPID ROAD REPAIR-CA EXTENDED	THE QUIKRETE COMPANIES, LLC 404/926-3128	06/21/22	5411	A	VERY RAPID SETTING
02015.20	PCC REPAIR CEMENTITIOUS	JET SET COMPLETE CONCRETE REPAIR	JET SET NW 206/762-0434 WESTERN WATERWORKS CO. 909/597-7000	07/29/23	1964	A	RAPID SET
02015.20	PCC REPAIR FIBER REINFORCED	QUIKRETE COMMERCIAL GRADE FASTSET DOT MIX-EXTENDED	THE QUIKRETE COMPANIES, LLC 404/926-3128	06/21/22	5409	A	VERY RAPID 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	DOT RAPID REPAIR	DAYTON SUPERIOR CORPORATION SARAH CLARK	10/26/22	5475	A	VERY RAPID SETTING NEAT, WITHOUT EXTENSION
02015.30	PCC REPAIR POLYMER MODIFIED	EUCO REPAIR V100	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/25/14	4756	A	VERY RAPID SETTING, VERTICAL
02015.30	PCC REPAIR POLYMER MODIFIED	HD 50	DAYTON SUPERIOR CORPORATION 937/866-0711	12/28/20	5305	A	VERY RAPID SETTING
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	PAVE PATCH 3000	DAYTON SUPERIOR CORP. 800/745-3700	11/16/17	5090	A	VERY RAPID SETTING

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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	PROSPEC BLENDCRETE	H.B. FULLER CONSTRUCTION PRODUCTS 630/952-1319 ALP SUPPLY 267/315-4295	10/29/18	5160	A	VERY RAPID SET
02015.30	PCC REPAIR POLYMER MODIFIED	PROSPEC PREMIUM PATCH 200 FIBER	H.B. FULLER CONSTRUCTION PRODUCTS 630/952-1319 ALP SUPPLY 267/315-4295	07/03/19	5203	A	VERY RAPID SET
02015.30	PCC REPAIR POLYMER MODIFIED	QUIKRETE COMMERCIAL GRADE FASTSET REPAIR MORTAR 1241	THE QUIKRETE COMPANIES, LLC 404/634-9100	11/20/20	5309	A	VERY RAPID SETTING
02015.30	PCC REPAIR POLYMER MODIFIED	RAPID SET DOT CONCRETE MIX	CTS CEMENT MFG. CORPORATION TONY TOMASINI 360/607-3553	12/01/22	5405	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	SIKACRETE 211 SCC PLUS	SIKA CORPORATION 800/933-7452	06/08/20	5269	A	STANDARD SET
02015.30	PCC REPAIR POLYMER MODIFIED	SIKAQUICK VOH	SIKA CORPORATION 800/933-7452	12/28/20	5327	A	RAPID SETTING

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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
02015.30	PCC REPAIR POLYMER MODIFIED	SPEED CRETE PM	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	10/09/08	2530	A	VERTICAL
02015.30	PCC REPAIR POLYMER MODIFIED	TAMMS FORM & POUR	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	10/09/08	3504	A	VERTICAL
02015.30	PCC REPAIR POLYMER MODIFIED	US SPEC V/O PATCH CI (WAS V/O PATCH 10/2017)	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
02015.40	PCC REPAIR HIGH PERFORMANCE	US SPEC STR MORTAR CI WAS STR MORTAR	US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560	01/13/11	4158	A	MINIMUM THICKNESS: 3 INCH
02015.50	PCC REPAIR, SURFACE	SILPRO RAECO SKIMWALL	SILPRO, LLC 800/343-1501	03/05/19	5175	A	SURFACE REPAIR SKIM COAT
02015.50	PCC REPAIR, SURFACE	TAMOSEAL	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/05/19	5176	A	SURFACE REPAIR SKIM COAT
02015.60	PCC REPAIR, RESURFACER	RAPID SET CONCRETE RESURFACER	CTS CEMENT MANUFACTURING CORP. 800/929-3030 WHIPE CAP 503/287-4151	12/20/21	5364	A	CONCRETE RESURFACER RAPID SETTING

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02030.10	SCM-FLY ASH	BOUNDARY DAM CLASS F FLY ASH ESTEVAN SASKASHEWAN	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	SCM-FLY ASH	BRIDGESOURCE JIM BRIDGER PLANT CLASS F FLY ASH	BRIDGESOURCE 801/802-6900	03/08/07	3449	Q	CLASS F  COMPANY NAME CHANGE PENDING (BORAL)
02030.10	SCM-FLY ASH	CENTRALIA FLY ASH - LAFARGE F	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	05/08/08	3620	Q	CLASS F
02030.10	SCM-FLY ASH	CLASS C FLY ASH - BOARDMAN MUST COME FROM BOARDMAN PLANT.	BORAL RESOURCES 239/565-2338	01/16/95	1463	Q	CLASS C
02030.10	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	SCM-FLY ASH	COAL CREEK FLY ASH	BORAL RESOURCES 239/565-2338	05/11/06	3305	Q	CLASS F  COMPANY NAME CHANGE PENDING (BORAL)
02030.10	SCM-FLY ASH	DELTA CLASS F FLY ASH	BORAL RESOURCES 239/565-2338	09/10/09	3953	Q	CLASS F INTERMOUNTAIN POWER PLANT; DELTA,UTAH. COMPANY NAME CHANGE PENDING (BORAL)
02030.10	SCM-FLY ASH	GENESEE G1/G2 CAPITAL POWER	CAPITAL POWER 780/969-8706 ENX INC 780/964-3739	09/20/19	5214	Q	CLASS F GENESEE GENERATOING STATION, WARBURG AB
02030.10	SCM-FLY ASH	JSW ENERGY FLY ASH-CLASS F	JSW ENERGY LIMITED +91-9284407764 WWW.JSW.IN	12/09/20	5288	Q	CLASS F JSW INDIA

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02030.10	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	SCM-FLY ASH	LAFARGEHOLCIM VINH TAN 4 VINH TAN 4 - VIETNAM	LAFARGE HOLCIM ROB SHOGREN 206/923-9953	06/21/22	5432	Q	CLASS F
02030.10	SCM-FLY ASH	MARTIN LAKE FLY ASH MARTIN (TX) LAKE POWER PLANT	BORAL RESOURCES 239/565-2338	02/11/10	4088	Q	CLASS F  COMPANY NAME CHANGE PENDING (BORAL)
02030.10	SCM-FLY ASH	MICRON3	BORAL MATERIALS 210/349-4069	07/14/05	3095	Q	CLASS F ULTRA FINE GRIND
02030.10	SCM-FLY ASH	PRAIRIE STATE CLASS F COAL ASH (PSGC)	PRAIRIE STATE GENERATING COMPANY 239/565-2338 EM RESOURCES LLC 239/565-2338	11/15/23	5523	Q	CLASS F MARISSA IL
02030.10	SCM-FLY ASH	RAM ASH	ASHCOR TECHNOLOGIES LTD RAM PROCESSING FACILITY 587/282-5308 ASHCOR TECHNOLOGIES 403/540-5596	02/08/22	5400	Q	CLASS F RECLAIMED FLY ASH
02030.10	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	SCM-FLY ASH	SUNDANCE CLASS F FLY ASH	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	05/08/08	3634	Q	CLASS F
02030.10	SCM-FLY ASH	WABAMUN FLY ASH	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	07/12/07	3528	Q	CLASS F WABAMUN, ALBERTA; CANADA.

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02030.15	SCM NATURAL POZZOLAN	GEOFORTIS UTAH NATURAL POZZOLAN	GEOFORTIS UTAH, LLC 925/878-1459	06/29/22	5414	Q	
02030.15	SCM NATURAL POZZOLAN	TS100-PUMICE-CLASS N NATURAL POZZOLAN	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	12/28/20	5294	Q	
02030.20	SCM-SILICA FUME (MICROSILICA)	CON-FUME SILICA FUME	CEMENTEC INDUSTRIES 403/720-6699	04/09/09	3820	Q	
02030.20	SCM-SILICA FUME (MICROSILICA)	EMS-970D	ELKEM MATERIALS 412/299-7229	09/10/09	3959	Q	
02030.20	SCM-SILICA FUME (MICROSILICA)	EUCON MSA	EUCLID CHEMICAL ,THE 800/321-7628 DAVE DILLON 206/280-4576 MASON SUPPLY 800/537-3407	07/01/21	5349	Q	
02030.20	SCM-SILICA FUME (MICROSILICA)	FERROATLANTICA -DSF	FRROATLANTICA RED INDUSTRIAL PRODUCTS 814/673-1552	07/09/09	3892	Q	WAS DISTRIBUTED BY ACT
02030.20	SCM-SILICA FUME (MICROSILICA)	FORCE 10,000D	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	12/09/04	3054	Q	
02030.20	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	SCM-SILICA FUME (MICROSILICA)	MICROSILICA SILICA FUME	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	03/19/18	5111	Q	

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02030.20	SCM-SILICA FUME (MICROSILICA)	NORCHEM -DSF	NORCHEM 631/7248639 ACT 360/332-7060	12/23/15	4937	Q	
02030.20	SCM-SILICA FUME (MICROSILICA)	R-E-D 102DSEA ZHENGZHOU HENAN	RED INDUSTRIAL PRODUCTS 724/967-5689	12/12/23	5543	Q	
02030.20	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	
02030.20	SCM-SILICA FUME (MICROSILICA)	SIKRETE-950DP	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330/495-0109	01/30/20	5231	Q	
02030.40	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	SCM - GGBF (SLAG)	LAFARGE NEWCEM	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	09/08/05	3022	Q	GROUND GRANULATED BLAST FURNACE SLAG.
02030.40	SCM-GGBF (SLAG)	CALPORTLAND SLAG (NIPPON STEEL)	CALPORTLAND COMPANY DAVE GERMER 971/235-2540	11/02/23	5527	Q	GROUND GRANULATED BLAST FURNACE SLAG.
02030.40	SCM-GGBF (SLAG)	CALPORTLAND SLAG CEMENT	SAMPYO CORPORATION SOUTH KOREA CALPORTLAND 503/5357713	05/07/12	4491	Q	GROUND GRANULATED BLAST FURNACE SLAG.
02030.40	SCM-GGBF (SLAG)	DURA SLAG 100 (HOA PHAT DUNG QUAT STEEL)	ASH GROVE CEMENT CO. DAVE BURG 503/207-2109	06/21/22	5423	Q	GROUND GRANULATED BLAST FURNACE SLAG.

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02030.40	SCM-GGBF (SLAG)	DURA SLAG 100FHS (FORMOSA HA TINH STEEL CORP.)	ASH GROVE CEMENT CO. DAVE BURG 503/207-2109	05/12/23	5484	Q	GROUND GRANULATED BLAST FURNACE SLAG.
02030.40	SCM-GGBF (SLAG)	LEHIGH SLAG CEMENT (NIPPON)	LEHIGH SOUTHWEST CEMENT COMPANY 925/348-4066 NIPPON STEEL CORPORATION	02/22/17	5039	Q	GROUND GRANULATED BLAST FURNACE SLAG.
02030.50	SCM -HI REACTIVITY METAKAOLIN	POWER POZZ	GRACE DAVISON 803/648-9575 ADVANCED CEMENT TECHNOLOGIES KEN MCPHALEN 360/332-7060	04/10/08	2676	Q	
02030.60	SCM-BLENDED	NEWCEM PLUS	LAFARGE CORPORATION ROB SHOGREN 206/923-9953	07/05/13	4670	Q	FLY ASH F & GGBS BLEND
02035.10	MODIFIER - LATEX	MODIFIER A/NA	TRINSEO 989/636-2496	07/14/11	1305	Q	FOR LATEX MODIFIED CONCRETE OVERLAY
02035.10	MODIFIER - 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
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	AIRALON 7000	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	12/28/20	5307	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	CHRYSO AIR G 100	CHYRSO, INC 720/785-4482 800/321-7628 CHYRSO 972/772-6010	06/29/23	5510	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	DARAVAIR 1000	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	04/11/02	2557	A	

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02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	DARAVAIR AT30	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	05/10/07	3491	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	DARCOLE SYNTHETIC AIR 110 (DSA 110)	DARCOLE PRODUCTS, INC 270/826-6499	12/28/20	5320	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	DAREX II AEA	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 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 COMPANY 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	09/09/04	2257	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	EUCON AEA-92S	EUCLID CHEMICAL COMPANY 800/321-7628 KELLY ALEXANDER 971/294-8775	06/17/22	5433	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	EUCON AIR MAC6	EUCLID CHEMICAL COMPANY 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/19/18	5113	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	EUCON AIR MIX 200	EUCLID CHEMICAL COMPANY 800/321-7628 DAVE DILLON 206/280-4576 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.

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02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	MAPEAIR SA 50	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	03/21/19	5179	A	WAS POLYCHEM SA-50
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	MAPEAIR VR	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	11/14/02	2546	A	WAS POLYCHEM VR
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
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	SIKA AEA-14	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	01/30/20	5234	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	SIKA AIR	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	01/12/06	3243	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	SIKA AIR 260	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	07/10/13	4679	A	

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02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	SIKACONTROL AIR-160	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	03/25/19	5186	A	
02040.10	CHEMICAL ADMIXTURES AIR ENTRAINING AGENT	STABLE AIR	CELLULAR CONCRETE TECHNOLOGIES 949/754-0570	07/26/12	4503	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	ADVA XT2	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	07/09/13	4677	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	CHRYSO OPTIMA 1130	CHYRSO, INC 720/785-4482 800/321-7628 CHYRSO 972/772-6010	06/29/23	5513	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	CHRYSO OPTIMA 249	CHYRSO, INC 720/785-4482 800/321-7628 CHYRSO 972/772-6010	06/29/23	5511	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	CHRYSO QUAD 842	CHYRSO, INC 720/785-4482 800/321-7628 CHYRSO 972/772-6010	06/29/23	5512	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	CLARENA MC2000	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	09/13/17	5068	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	DARACEM 55	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	03/09/95	1294	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	DARCOLE WATER REDUCER 385 (DWR 385)	DARCOLE PRODUCTS, INC 270/826-6499	12/28/20	5321	A	

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02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	DARNLOK 485: WATER REDUCER (DNL 485)	DARCOLE PRODUCTS, INC 270/826-6499	12/28/20	5323	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	DARNLOK 785: WATER REDUCER (DNL 785)	DARCOLE PRODUCTS, INC 270/826-6499	12/28/20	5322	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	EUCON MR	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	01/12/06	2258	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	EUCON SE	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	06/12/18	5142	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	EUCON WR91	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	09/09/04	2259	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	MAPELAST 400 NC	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	05/08/03	2549	A	WAS POLYCHEM 400 NC
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	MASTER X-SEED 66	MASTER BUILDERS SOLUTIONS ADMIXTURES US 216/839-7072	11/29/21	5374	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	MASTEREASE 5000	BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232	12/07/23	5540	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	MASTERPOLYHEED 980	BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232	07/03/19	5201	A	

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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 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	MELCHEM	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	04/14/05	2554	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	PLASTOL 6400	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	07/07/14	4794	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	PLASTOL 6420	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	04/07/16	4945	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	SIKA PLASTOCRETE-250	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	12/03/18	5167	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	SIKA VISCOCRETE 1000	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 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 CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	01/12/06	3251	A	

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02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	SIKA VISCOFLOW-2020	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109	06/12/18	4963	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	SIKAMENT 475	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 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 CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	01/12/06	3249	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	WRDA 64	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	01/13/94	1078	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCER	ZYLA 610	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 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 HOOPES 508/878-2397	01/08/09	3731	A	
02040.10	CHEMICAL ADMIXTURES TYPE A ADMIXTURE WATER REDUCING	POLYCHEM SPC	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	03/21/19	5181	A	
02040.10	CHEMICAL ADMIXTURES TYPE B & D ADMIXTURE	EUCON STASIS	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/21/19	5182	A	FOR USE AS A HYDRATION STABILIZER ONLY. APPROVAL ON THE MIX DESIGN NEEDED. BRIDGE DECKS AND OVERLAYS.
02040.10	CHEMICAL ADMIXTURES TYPE B & D ADMIXTURE	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 HYDRATION STABILIZER ONLY. APPROVAL ON THE MIX DESIGN NEEDED. BRIDGE DECKS AND OVERLAYS.

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02040.10	CHEMICAL ADMIXTURES TYPE B & D ADMIXTURE	POLYCHEM RENU	MAPEI 954/246-8520	06/21/22	5422	A	FOR USE AS HYDRATION STABILIZER ONLY. APPROVAL ON THE MIX DESIGN NEEDED BRIDGE DECKS AND OVERLAYS.
02040.10	CHEMICAL ADMIXTURES TYPE B & D ADMIXTURE	RECOVER	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	12/09/04	1521	A	FOR USE AS HYDRATION STABILIZER ONLY. APPROVAL ON THE MIX DESIGN NEEDED. BRIDGE DECKS AND OVERLAYS.
02040.10	CHEMICAL ADMIXTURES TYPE B & D ADMIXTURE	SIKA TARD 440	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109	02/18/20	5230	A	FOR USE AS HYDRATION STABILIZER ONLY. APPROVAL ON THE MIX DESIGN NEEDED. BRIDGE DECKS AND OVERLAYS.
02040.10	CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDED	EUCON DS	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	07/07/14	4796	A	
02040.10	CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER	DARATARD 17	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	05/01/88	1883	A	
02040.10	CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER	EUCON RETARDER 100	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	09/09/04	2255	A	
02040.10	CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER	MASTERSSET 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	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 B ADMIXTURE SET RETARDER	RECOVER	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	03/10/11	1521	A	

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02040.10	CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER	SIKA PLASTIMENT	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330/495-0109 MASONS SUPPLY 800/537-3407 ATLAS SUPPLY 800/806-7952	05/01/88	2051	A	
02040.10	CHEMICAL ADMIXTURES TYPE B ADMIXTURE SET RETARDER	SIKA PLASTIMENT XR	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109	06/14/16	4960	A	
02040.10	CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR	ACCLGUARD G3	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	04/07/16	4946	A	
02040.10	CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR	DARASET 400	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397 KEITH TERRILL 480/381-0780	02/14/08	3603	A	
02040.10	CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR	DARNSET 166 (DNS 166)	DARCOLE PRODUCTS, INC 270/826-6499	12/28/20	5324	A	
02040.10	CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR	DCI	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	05/08/08	2262	A	
02040.10	CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR	MAPEFAST SUPER SET	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	05/08/03	2551	A	WAS POLYCHEM SUPER SET
02040.10	CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR	MAPESHIELD CI 300	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	02/13/03	2555	A	WAS POLYCHEM CI

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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	MASTERSET 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 C ADMIXTURE ACCELERATOR	SIKA CNI	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	01/12/06	3253	A	
02040.10	CHEMICAL ADMIXTURES TYPE C ADMIXTURE ACCELERATOR	SIKA RAPID 1	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	01/12/06	3246	A	DO NOT USE WITH ANTI-SHRINK ADDITIVES.
02040.10	CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE	DARAFILL BP	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	01/21/14	4712	A	
02040.10	CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE	DARAFILL DRY	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	01/21/14	4710	A	
02040.10	CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE	EUCON EASY FILL	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	07/07/14	4793	A	
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	MASTERCCELL 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

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02040.10	CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE	SIKA LIGHTCRETE LIQUID	SIKA CORPORATION 330/495-0109	12/23/21	5396	A	
02040.10	CHEMICAL ADMIXTURES TYPE CLSM ADMIXTURE	SIKA LIGHTCRETE POWDER	SIKA CORPORATION 330/495-0109	12/23/21	5397	A	
02040.10	CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCER / RETARDER	RECOVER	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 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 HOOPES 508/878-2397	04/08/10	4129	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 HOOPES 508/878-2397	05/01/88	1883	A	
02040.10	CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER	EUCON DS	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	07/07/14	4796	A	
02040.10	CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER	EUCON RETARDER 100	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	09/09/04	2255	A	
02040.10	CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER	EUCON STASIS	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/21/19	5182	A	

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02040.10	CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER	MASTERPOZZOLITH 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 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
02040.10	CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING 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 D ADMIXTURE WATER REDUCING RETARDER	MEPETARD R	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	05/08/03	2550	A	WAS POLYCHEM R
02040.10	CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER	SIKA PLASTIMENT	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 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	SIKA PLASTIMENT XR	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109	06/14/16	4960	A	
02040.10	CHEMICAL ADMIXTURES TYPE D ADMIXTURE WATER REDUCING RETARDER	SIKA PLASTOCRETE-250	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	12/03/18	5167	A	
02040.10	CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR	ACCELGUARD 80 WAS EUCON CAN & BORAL CAN	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	07/12/01	1740	A	
02040.10	CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR	ACCELGUARD NCA	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	07/07/14	4797	A	

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02040.10	CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR	ACCLGUARD G3	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	04/07/16	4946	A	
02040.10	CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR	MAPEFAST SUPER SET	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	05/08/03	2551	A	WAS POLYCHEM SUPER SET
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	PLASTOCRETE 161FL	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	07/01/21	5344	A	
02040.10	CHEMICAL ADMIXTURES TYPE E ADMIXTURE WATER REDUCER-ACCELERATOR	SIKASET NC	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 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 198	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 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 HOOPES 508/878-2397	05/10/07	3490	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	ADVA ITM 750	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	07/03/19	5200	A	

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02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	CHRYSO OPTIMA 1130	CHYRSO, INC 720/785-4482 800/321-7628 CHYRSO 972/772-6010	06/29/23	5513	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	CHRYSO OPTIMA 249	CHYRSO, INC 720/785-4482 800/321-7628 CHYRSO 972/772-6010	06/29/23	5511	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	CHRYSO QUAD 842	CHYRSO, INC 720/785-4482 800/321-7628 CHYRSO 972/772-6010	06/29/23	5512	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	CLARENA MC2000	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	09/13/17	5068	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	DARCOLE SUPERFLO 1443 (DSF 1443)	DARCOLE PRODUCTS, INC 270/826-6499	12/28/20	5325	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	DYNAMON SX 37	MAPEI 954/246-8520	01/10/23	5479	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	ELARA SP200	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	06/30/23	5508	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	EUCON MR	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	01/12/06	2258	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	MASTERGLENium 1466	BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232	10/12/06	3238	A	WAS PS 1466

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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 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 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	MASTERPOLYHEED 980	BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232	07/03/19	5201	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	MELCHEM	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	04/14/05	2554	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	POLYCHEM SPC	MAPEI 954/246-8520 WILLIAMS FORM ENGINEERING CORP. 503/286-3647	03/21/19	5181	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER	SIKAMENT 475	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	10/20/16	5010	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER	ADVA 195	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 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 FLEX	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	07/14/11	4405	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER	CONCERA SA8080	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	05/22/18	5134	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER	EUCON 37	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	09/09/04	2260	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
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER	PLASTOL 6200EXT	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	07/07/14	4794	A	

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02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER	PLASTOL 6420	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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 CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 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 CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 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 CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 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 CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	01/12/06	3250	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER	SIKA VISCOCRETE 6100	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	01/12/06	3252	A	
02040.10	CHEMICAL ADMIXTURES TYPE F ADMIXTURE HIGH RANGE WATER REDUCER SUPER-PLASTICIZER	SIKAMENT 686	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	01/12/06	3249	A	
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

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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 VISCOSITY MODIFIER	ACT-GEL 208	ACTIVE MINERALS INT. 717/515-2240	06/30/23	5480	A	
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE AIR-DETRAINING	MASTERSURE 1390	BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232	11/14/17	5089	A	
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE PERMEABILITY REDUCER	CSXTREME	BARRIER ON ADMIXTURES 407/374-0210	12/23/21	5360	A	
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE RHEOLOGY MODIFER	VMAR F100	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	03/19/14	4757	A	
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE RHEOLOGY MODIFYING	EUCON AWA-P20	EUCLID CHEMICAL COMPANY 800/321-7628	11/23/21	5378	A	ANTI-WASHOUT/REOLOGY MODIFYING
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE SHRINKAGE REDUCER	SIKA CONTROL NS	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	02/18/20	5229	A	TYPE S SHRINKAGE REDUCING ADMIXTURE
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE SHRINKAGE REDUCING	ECLIPSE 4500	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	02/10/11	3979	A	TYPE S SHRINKAGE REDUCING ADMIXTURE
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE SHRINKAGE REDUCING	EUCON SRA-XT	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	07/07/14	4791	A	TYPE S SHRINKAGE REDUCING ADMIXTURE

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02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE SHRINKAGE REDUCING	MASTERLIFE CRA 007	BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232	02/17/16	4941	A	TYPE S SHRINKAGE REDUCING ADMIXTURE
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE SHRINKAGE REDUCING	MASTERLIFE SRA 035	BASF - ADMIXTURES 216/839-7500 MARK PIECHUTA 216/839-7072 DAVID MALINOFF 503/780-0580-7232	08/29/16	4982	A	TYPE S SHRINKAGE REDUCING ADMIXTURE
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE SHRINKAGE REDUCING	SIKA CONTROL-75	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109	06/14/16	4961	A	TYPE S SHRINKAGE REDUCING ADMIXTURE
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE VISCOSITY MODIFIER	MAPECRETE V3K	MAPEI 954/246-8520	11/13/20	5297	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	SIKA STABILIZER 300 SCC	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	02/18/20	5233	A	
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE VISCOSITY MODIFIER	SIKA STABILIZER-4 R	SIKA CORPORATION 800/933-7452 NATE ARTMAN 330-495-0109	05/10/22	5427	A	
02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE VISCOSITY MODIFIER	VISCTROL	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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 HOOPES 508/878-2397	05/14/09	3197	A	REPORT ANY UNUSUAL CRACKING OR OTHER PROBLEMS.

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02040.10	CHEMICAL ADMIXTURES TYPE S ADMIXTURE WORKABILITY	ADVA ITM 750	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	07/03/19	5200	A	
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 NAME CHANGE 1-14
02045.10	SYNTHETIC FIBER REINFORCING MICRO	FIBERFORCE 150	ABC POLYMER INDUSTRIES, LLC 205/620-9889 LAURIE LEISCHNER 541/643-2555	10/20/16	5012	A	DOSE RATE OF 1.0 POUNDS PER CUBIC YARD FOR COMMERCIAL GRADE CONCRETE NOT FOR HIGH PERFORMANCE CONCRETE
02045.10	SYNTHETIC FIBER REINFORCING MICRO	FIBERFORCE 350	ABC POLYMER INDUSTRIES, LLC 205/620-9889	11/01/23	5395	A	DOSE RATE OF 1.0 POUNDS PER CUBIC YARD FOR COMMERCIAL GRADE CONCRETE NOT FOR HIGH PERFORMANCE CONCRETE
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
02045.10	SYNTHETIC FIBER REINFORCING MICRO	SINTA M2219 WAS GRACE MICROFIBER	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 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
02045.20	SYNTHETIC FIBER REINFORCING MACRO	FIBERFORCE 1000HP	ABC POLYMER INDUSTRIES, LLC 205/620-9889 LAURIE LEISCHNER 541/643-2555	03/19/18	5112	A	DOSE RATE OF 5 POUNDS PER CUBIC YARD FOR HIGH PERFORMANCE CONCRETE
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
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

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02045.20	SYNTHETIC FIBER REINFORCING MACRO	STRUX 90/40	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	01/21/14	4090	A	DOSE RATE OF 5.5 POUNDS PER CUBIC YARD FOR HIGH PERFORMANCE CONCRETE
02045.20	SYNTHETIC FIBER REINFORCING MACRO	STRUX BT50	GCP APPLIED TECHNOLOGIES INC. BOB HOOPES 508/878-2397	01/21/14	4741	A	DOSE RATE OF 7 POUNDS PER CUBIC YARD FOR HIGH PERFORMANCE CONCRETE
02045.20	SYNTHETIC FIBER REINFORCING MACRO	TUF-STRAND SF 2.. INCH	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASON SUPPLY 800/537-3407	07/01/21	5351	A	DOSE RATE OF 4.0 POUNDS PER CUBIC YARD FOR HIGH PERFORMANCE CONCRETE
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
02050.10	CURING COMPOUND, CONCRETE TYPE 1, CLASS A	SEALTIGHT 1300 CLEAR 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	05/01/88	776	Q	CLEAR WAX. WATCH SHELF LIFE. NOT FOR USE ON PCC PAVING UNLESS COLORED CONCRETE IS SPECIFIED TESTING REQUIRED ONLY FOR PCC PAVING
02050.10	CURING COMPOUND, CONCRETE TYPE 1D, CLASS A & B	WHITE RESIN CURE WITH DYE VOC'S = < 100 G/L	DAYTON SUPERIOR 888/977-9600	11/21/23	5520	Q	TESTING REQUIRED ONLY FOR PCC PAVING
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. TESTING REQUIRED ONLY FOR PCC PAVING
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. TESTING REQUIRED ONLY FOR PCC PAVING
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. TESTING REQUIRED ONLY FOR PCC PAVING

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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	TESTING REQUIRED ONLY FOR PCC PAVING
02050.10	CURING COMPOUND, CONCRETE TYPE 2, CLASS A & B	PAVE CURE REZ WHITE VOC'S < 350 G/L	SPECICHEM LLC 206/714-3511	07/02/21	5343	Q	WHITE RESIN. WATCH SHELF LIFE  TESTING REQUIRED ONLY FOR PCC PAVING
02050.10	CURING COMPOUND, CONCRETE TYPE 2, CLASS A & B	SEALTIGHT 1200 VOC'S = 69 G/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  TESTING REQUIRED ONLY FOR PCC PAVING
02050.10	CURING COMPOUND, CONCRETE TYPE 2, CLASS A & B	WHITE RESIN CURE J10W VOC'S = < 300 G/L	DAYTON SUPERIOR 888/977-9600	11/22/23	5519	Q	TESTING REQUIRED ONLY FOR PCC PAVING
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 GEOTEK 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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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.
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.

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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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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	SPECICHEM 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 EPOXY	DURAL 50 LM	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	06/14/07	3447	A	
02060.10	CONCRETE AND CRACK SEALER LOW MOD EPOXY	DURAL 50 LM FS	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	04/16/21	5336	A	FAST SETTING

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02060.10	CONCRETE AND CRACK SEALER LOW MOD EPOXY	E-BOND 523 PENETRATING SEALER CRACK HEALER PRIMER	E-BOND EPOXIES, INC 954/566-6555 TRANSCO INDUSTRIES 914/636-1000	01/21/14	4705	A	
02060.10	CONCRETE AND CRACK SEALER LOW MOD EPOXY	EP-100 LM	E-CHEM LLC. 720/201-8810	08/10/16	4980	A	
02060.10	CONCRETE 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	FAST SETTING
02060.10	CONCRETE AND CRACK SEALER LOW MOD EPOXY	SIKADUR 57 LO MOD LV	SIKA CORPORATION 201/249-1993	03/28/22	5421	A	FAST SETTING
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	
02060.10	CONCRETE AND CRACK SEALER LOW MOD HMWM	TRANSCO SEALATE T70MX-30	TRANSCO INDUSTRIES 914/636-1000	03/10/05	2488	A	3 PART MOISTURE SENSITIVE
02060.10	CONCRETE AND CRACK SEALER LOW-MOD EPOXY	CRACKBOND V120 LO-MOD	ADHESIVES TECHNOLOGY CORP. 954/789-4764	06/21/22	5413	A	
02060.10	CONCRETE 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	CONCRETE 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

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02060.20	CONCRETE AND CRACK SEALER HIGH MOD EPOXY	CRACKBOND V65 HI-MOD	ADHESIVES TECHNOLOGY CORP 954/789-4764	10/29/18	5162	A	2 COMPONENT EPOXY FOLLOW MANUFACTURER'S TEMPERATURE REQUIREMENTS.
02060.20	CONCRETE AND CRACK SEALER HIGH MOD EPOXY	DURAL 335	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/10/05	1918	A	
02060.20	CONCRETE 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
02060.20	CONCRETE 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	CONCRETE 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	CONCRETE AND CRACK SEALER HIGH MOD HMWM	SIKA PRONTO 19TF	SIKA CORPORATION 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	CONCRETE 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	BARCADE SILANE 100C	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	07/03/19	5205	A	100% SILANE 100% SILANE. ALBERTA DOT 1C, LIST APPROVED
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

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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	SIL-ACT ATS 100LV	ADVANCED CHEMICAL TECHNOLOGIES KEVIN BROWN 800/535-0433 JIM SULLIVAN 206/484-8236	05/09/18	5122	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
02070.10	BONDING AGENT, EPOXY	CRACKBOND 2100 MV WAS (ULTRABOND 2100)	ADHESIVES TECHNOLOGY RICHARD BOLAND 800/892-1880	03/11/13	4600	A	TYPE IV, V GRADE 1 CLASS B & C
02070.10	BONDING AGENT, EPOXY	DURAL 452 GEL	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/17/14	4751	A	TYPE IV, V GRADE 2 CLASS 2

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02070.10	BONDING AGENT, EPOXY	DURAL FAST SET EPOXY GEL	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/17/14	4753	A	TYPE IV, GRADE 3 CLASS B & C
02070.10	BONDING AGENT, EPOXY	LIQUID ROC 500+	MKT FASTENING, LLC 501/676-2222	03/19/18	5104	A	TYPE IV, GRADE 3, CLASS B 7 C
02070.10	BONDING AGENT, EPOXY	PLANIBOND HI-MOD GEL	MAPEI 954/246-8520 WILLIAMS FORM ENG CORP. 503/286-3647	11/27/23	5535	A	TYPE V 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	RED HEAD C6+	ITW COMMERCIAL CONSTRUCTION NORTH AMERICA-RED HEAD 630/694-4855 206/450-4221	11/16/17	5091	A	TYPE IV, V GRADE 3 CLASS B & C
02070.10	BONDING AGENT, EPOXY	SIKADUR 32 HI MOD	SIKA CORPORATION 800/933-7452 THAD BROWN 425/486-5916 ATLAS SUPPLY 800/806-7952 MASONS SUPPLY 800/537-3407	12/10/09	505	A	TYPE V, GRADE 2, CLASS 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

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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	ACRYLCOAT	US MIX 800/397-9903 MEGAN LORD 503/267-1970 WILLIAMS FORM 800/255-0560	11/16/17	5086	A	USE ABOVE 40 DEGREES F AND ABOVE 40 DEGREES FOR 48 HOURS CURE TIME.
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.
02080.10	GROUT, EPOXY	EP15-GROUT	E-CHEM, LLC 505/217-2121	03/19/18	5108	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	EG GROUT	US MIX CO. 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560	05/24/18	5139	A	

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02080.20	GROUT, NON-EPOXY NON-SHRINK	EUCO NS GROUT	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	10/09/08	1233	A	CEMENTITIOUS BASED.
02080.20	GROUT, NON-EPOXY NON-SHRINK	FASTRAC NS GROUT	WESTERN MATERIALS & DESIGN 816/430-5452	12/31/20	5298	A	
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	
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	HE GROUT	US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560	09/13/17	5069	A	
02080.20	GROUT, NON-EPOXY NON-SHRINK	NC GROUT	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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	PROSPEC HIGH STRENGTH PRECISION GROUT	H.B. FULLER CONSTRUCTION PRODUCTS 331/255-6116 HD SUPPLY WHITECAP 503/287-4151	12/03/18	5169	A	

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02080.20	GROUT, NON-EPOXY NON-SHRINK	QUIKRETE NON-SHRINK GENERAL PURPOSE GROUT 1585-01	THE QUIKRETE COMPANIES, LLC 404/634-9100	02/10/21	5331	A	
02080.20	GROUT, NON-EPOXY NON-SHRINK	QUKRETE NON-SHRINK PRECISION GROUT 1585-00	THE QUIKRETE COMPANIES, LLC 412/759-1333	04/30/20	5222	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 CORPORATION 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	SIKAGROUT 328	SIKA CORPORATION 800/933-7452	11/03/20	5299	A	
02080.20	GROUT, NON-EPOXY NON-SHRINK	TARGET PORTLAND EXPANDING GROUT	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	
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	

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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	
02080.20	GROUT, NON-EPOXY NON-SHRINK	WIL-X CEMENT	WILLIAMS FORM 800/255-0560	10/09/03	2890	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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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	HE GROUT	US MIX 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560	09/13/17	5069	A	
02080.30	GROUT, KEYWAY	SIKAGROUT 212	SIKA CORPORATION 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	SIKAGROUT 328	SIKA CORPORATION 800/933-7452	11/03/20	5299	A	

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02080.30	GROUT, KEYWAY	TARGET PORTLAND EXPANDING GROUT	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	
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	EG GROUT	US MIX CO. 800/397-9903 MEGAN LORD 503/267-1970 WESTSIDE CONCRETE 503/591-0203 WILLIAMS FORM 800/255-0560	05/24/18	5139	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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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	

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02080.50	GROUT, TENDON - VR 0-100' VERTICAL RISE: 0 - 100'	EUCO CABLE GROUT PTX	EUCLID CHEMICAL COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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	
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'	PLANIGROUT PT	MAPEI CORPORATION 954/246-8520 WILLIAMS FORM 503/286-3647	11/27/23	5534	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.

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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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 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.
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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	04/11/06	1425	A	BRIDGE BEARINGS, BEARING PLATES OTHER LOAD BEARING APPLICATIONS.
02080.60	GROUT, STRUCTURAL NON-EPOXY	PROSPEC HIGH STRENGTH PRECISION GROUT	H.B. FULLER CONSTRUCTION PRODUCTS 331/255-6116 HD SUPPLY WHITECAP 503/287-4151	12/03/18	5169	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 CORPORATION 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.

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02080.60	GROUT, STRUCTURAL NON-EPOXY	TARGET PORTLAND EXPANDING GROUT	TARGET PRODUCTS 800/575-7700 WILLAMETTE GRYSTN 541/726-7666 WILLIAMS FORM ENG 800/255-0560	12/17/93	668	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	Q	STRONG STEEL OR WOOD POSTS.  CONSTRUCTION MATERIAL CMO REQUIRED
02110.20	GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST	8IN KING MASH 16 COMPOSITE BLOCK	VALTIR LLC 916/644-9102	10/08/20	5295	Q	FOR STEEL POSTS ONLY. MASH 16 TL-3  CONSTRUCTION MATERIAL CMO REQUIRED
02110.20	GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST	DURA-BULL BLOCKOUT	CREATIVE BUILDING PRODUCTS 800/860-2855	12/12/96	1520	Q	RECYCLED PLASTIC BLOCK FOR GUARDRAIL INSTALLATIONS. SPECIAL PROVISION SP00810 CONSTRUCTION MATERIAL CMO REQUIRED
02110.20	GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST	KING BLOCK MODIFIED 2007	VALTIR LLC MIKE MADDEN 800/772-7976 DON GRIPNE 360/943-9559	10/11/07	3531	Q	THIS MODEL IS FOR STEEL POSTS ONLY. 70% RECYCLED PLASTIC.  CONSTRUCTION MATERIAL CMO REQUIRED
02110.20	GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST	LIFETIME BLOCKOUTS	LIFETIME LUMBER PRODUCTS 419/478-9000	01/11/01	2355	Q	RECYCLED COMPOSITE BLOCK FOR GUARDRAIL INSTALLATIONS. STEEL POSTS CONSTRUCTION MATERIAL CMO REQUIRED

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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	Q	FOR STEEL POSTS ONLY. MASH TL-3 (STRONG STEEL POST W-BEAM GR)  CONSTRUCTION MATERIAL CMO REQUIRED
02110.20	GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST	P-BLOCK SERIES: P-BLOCK	MONROEVILLE INDUSTRIAL MOLDING 419/668-1820	10/08/09	3960	Q	FOR STEEL POSTS ONLY.  CONSTRUCTION MATERIAL CMO REQUIRED
02110.20	GUARDRAIL BLOCKS, PLASTIC BLOCK- STEEL POST	P-BLOCK SERIES: THRIE BEAM BLK	MONROEVILLE INDUSTRIAL MOLDING 419/668-1820	10/08/09	3962	Q	FOR STEEL POSTS ONLY.  CONSTRUCTION MATERIAL CMO REQUIRED
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
02210.20	TIMBER COATING	STAIN STOMPER EXERIOR 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

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02210.30	LATEX EMULSION PAINT FOR CONCRETE FINISH	CONFLEX ACRYLIC COATING CF130050 SERIES	SHERWIN WILLIAMS 360/609-1879 DERRICK CASTLE 913/481-0612	03/10/05	2249	A	BASE: A24W00351 & A24W00353 COLOR FEDERAL STANDARD 595C 26357
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 COMPANY, THE 800/321-7628 DAVE DILLON 206/280-4576 MASONS SUPPLY 800/537-3407	03/13/03	2765	A	
02320.10	GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT	BASELOK GEOGRID BX 2020	INDUSTRIAL FABRICS, INC 225/273-9600  ACF WEST 800/878-5115	01/27/21	5332	Q	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT	BASELOK GEOGRID BX3030	INDUSTRIAL FABRICS, INC 225/273-9600  ACF WEST 800/878-5115	06/20/23	5514	Q	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED
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	SEE SPECS FOR DOCUMENTATION REQUIREMENTS
02320.10	GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT	E'GRID 2020	HANES GEO COMPONENTS 336/747-1645	04/24/13	4623	Q	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT	GEOSTAR GEOBASE GB2020	GEOSTAR TECHNOLOGIES 901/881-2517 FERGUSON 503/240-6747	08/26/13	4683	Q	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED

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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	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT	MIRAFI RS580I	TENCATE GEOSYNTHETICS JULIA DANIEL 706/693-1744	01/16/15	4858	Q	IF USED DELETE SUBGRADE GEO FABRIC BID ITEM IF APPLICABLE SEE SPECD FOR DOCUMENTATION REQUIREMENT CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT	ROCKGRID BX 2020	PACIFIC GEOSOURCE 503/214-0376	10/03/13	4698	Q	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED
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	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED
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	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT	TENSAR BX 1200	TENSAR INTERNATIONAL CORP. 360/635-8418 ACF WEST 800/878-5115	01/13/11	4308	Q	SEE SPECD FOR DOCUMENTATION REQUIREMENT  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT	TENSAR SQ2020	TENSAR INTERNATIONAL CORP. 360/635-8418 ACF WEST 800/878-5115	03/31/17	5032	Q	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED
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. SEE SPECS FOR DOCUMENTATION REQUIRED CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - SUBGRADE REINF. SUBGRADE REINFORCEMENT	TERRAGRID RX1200 MODEL 32160 & 38092 & 38377	HANES GEO COMPONENTS 336/747-1645	04/24/13	4622	Q	SEE SPECS FOR DOCUMENTATION REQUIREMENTS  CONSTRUCTION MATERIAL CMO REQUIRED

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<b>STANDARD SPEC #</b>	<b>CATEGORY</b>	<b>PRODUCT NAME</b>	<b>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</b>	<b>EFFECTIVE DATE</b>	<b>PRODUCT NUMBER</b>	<b>LIST</b>	<b>REMARKS</b>
02320.10	GEOGRID - TYPE I MSEW	FORTRAC 110T	HUESKER, INC. 800/942-9418 STEVE LOTHSPIECH 704/588-5500 EXT 120	03/12/09	3795	Q	ULTIMATE TENSILE: 7535 LB/FT ASTM D6637 LONG-TERM TENSILE: 3334 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	FORTRAC 35T	HUESKER, INC. 800/942-9418 STEVE LOTHSPIECH 704/588-5500 EXT 120	03/12/09	3792	Q	ULTIMATE TENSILE: 2400 LB/FT ASTM D6637 LONG-TERM TENSILE: 951 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	FORTRAC 55T	HUESKER, INC. 800/942-9418 STEVE LOTHSPIECH 704/588-5500 EXT 120	03/12/09	3793	Q	ULTIMATE TENSILE: 3700 LB/FT ASTM D6637 LONG-TERM TENSILE: 1457 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	FORTRAC 80T	HUESKER, INC. 800/942-9418 STEVE LOTHSPIECH 704/588-5500 EXT 120	03/12/09	3794	Q	ULTIMATE TENSILE: 5480 LB/FT ASTM D6637 LONG-TERM TENSILE: 2440 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	MIRAGRID 03XT - TENCATE	TENCATE (MIRAFI) 706/693-2226	05/13/10	3744	Q	ULTIMATE TENSILE: 3500 LB/FT ASTM D6637 LONG-TERM TENSILE: 1620 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	MIRAGRID 05XT - TENCATE	TENCATE (MIRAFI) 706/693-2226	05/13/10	3745	Q	ULTIMATE TENSILE: 4700 LB/FT ASTM D6637 LONG-TERM TENSILE: 2170 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	MIRAGRID 07XT - TENCATE	TENCATE (MIRAFI) 706/693-2226	05/13/10	3746	Q	ULTIMATE TENSILE: 5900 LB/FT ASTM D6637 LONG-TERM TENSILE: 2730 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	MIRAGRID 08XT - TENCATE	TENCATE (MIRAFI) 706/693-2226	05/13/10	3747	Q	ULTIMATE TENSILE: 7400 LB/FT ASTM D6637 LONG-TERM TENSILE: 3420 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	MIRAGRID 10XT - TENCATE	TENCATE (MIRAFI) 706/693-2226	05/13/10	3748	Q	ULTIMATE TENSILE: 9500 LB/FT ASTM D6637 LONG-TERM TENSILE: 4390 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10	GEOGRID - TYPE I MSEW	MIRAGRID 20XT - TENCATE	TENCATE (MIRAFI) 706/693-2226	05/13/10	3750	Q	ULTIMATE TENSILE: 13705 LB/FT ASTM D6637 LONG-TERM TENSILE: 6330LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	MIRAGRID 22XT - TENCATE	TENCATE (MIRAFI) 706/693-2226	05/13/10	3751	Q	ULTIMATE TENSILE: 20559 LB/FT ASTM D6637 LONG-TERM TENSILE: 9490 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	MIRAGRID 24XT - TENCATE	TENCATE (MIRAFI) 706/693-2226	05/13/10	3752	Q	ULTIMATE TENSILE: 27415 LB/FT ASTM D6637 LONG-TERM TENSILE: 12700LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 3450 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 3800 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 4310 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 5170 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 6040 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 6210 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED

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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 ASTM D6637 LONG-TERM TENSILE: 6900 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 1040 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 1380 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 1730 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 2070 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 2240 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 2420 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 2760 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
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 ASTM D6637 LONG-TERM TENSILE: 3110 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10	GEOGRID - TYPE I MSEW	SF020	SYNTEEN TECHNICAL FABRICS DAN WINKLE 303/522-7830	05/13/10	4144	Q	ULTIMATE TENSILE: 1939 LB/FT ASTM D6637 LONG-TERM TENSILE: 787 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	SF035	SYNTEEN TECHNICAL FABRICS DAN WINKLE 303/522-7830	01/08/09	3781	Q	ULTIMATE TENSILE: 3055 LB/FT ASTM D6637 LONG-TERM TENSILE: 1240 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	SF055	SYNTEEN TECHNICAL FABRICS DAN WINKLE 303/522-7830	01/08/09	3782	Q	ULTIMATE TENSILE: 4199 LB/FT ASTM D6637 LONG-TERM TENSILE: 1710 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	SF080	SYNTEEN TECHNICAL FABRICS DAN WINKLE 303/522-7830	01/08/09	3783	Q	ULTIMATE TENSILE: 7398 LB/FT ASTM D6637 LONG-TERM TENSILE: 3010 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	SF090	SYNTEEN TECHNICAL FABRICS DAN WINKLE 303/522-7830	05/13/10	4145	Q	ULTIMATE TENSILE: 8500 LB/FT ASTM D6637 LONG-TERM TENSILE: 3450 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	SF110	SYNTEEN TECHNICAL FABRICS DAN WINKLE 303/522-7830	01/08/09	3784	Q	ULTIMATE TENSILE: 10207 LB/FT ASTM D6637 LONG-TERM TENSILE: 4150 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	SF350	SYNTEEN TECHNICAL FABRICS DAN WINKLE 303/522-7830	05/13/10	4146	Q	ULTIMATE TENSILE: 27400 LB/FT ASTMD6637 LONG-TERM TENSILE: 11200 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGB) 30	STRATA SYSTEMS, INC. 800/680-7750	12/02/21	5388	Q	ULTIMATE TENSILE: 2055LB/FT ASTM D6637 LONG-TERM TENSILE: 1081LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 100	STRATA SYSTEMS, INC. 800/680-7750	12/02/21	5392	Q	ULTIMATE TENSILE: 6852 LB/FT ASTM D6637 LONG-TERM TENSILE: 3605 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 120	STRATA SYSTEMS, INC. 800/680-7750	11/29/21	5376	Q	ULTIMATE TENSILE: 8222 LB/FT ASTM D6637 LONG-TERM TENSILE: 4326 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 150	STRATA SYSTEMS, INC. 800/680-7750	11/29/21	5380	Q	ULTIMATE TENSILE: 10278 LB/FT ASTM D6637 LONG-TERM TENSILE: 5407 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 180	STRATA SYSTEMS, INC. 800/680-7750	11/29/21	5381	Q	ULTIMATE TENSILE: 12334 LB/FT ASTM D6637 LONG-TERM TENSILE: 6489 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 200	STRATA SYSTEMS, INC. 800/680-7750	11/29/21	5382	Q	ULTIMATE TENSILE: 13704 LB/FT ASTM D6637 LONG-TERM TENSILE: 7210 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 300	STRATA SYSTEMS, INC. 800/680-7750	11/29/21	5383	Q	ULTIMATE TENSILE: 20556 LB/FT ASTMD6637 LONG-TERM TENSILE: 10814 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 40	STRATA SYSTEMS, INC. 800/680-7750	12/02/21	5389	Q	ULTIMATE TENSILE: 2740 LB/FT ASTM D6637 LONG-TERM TENSILE: 1504 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 400	STRATA SYSTEMS, INC. 800/680-7750	11/29/21	5384	Q	ULTIMATE TENSILE: 27408 LB/FT ASTMD6637 LONG-TERM TENSILE: 14419 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 60	STRATA SYSTEMS, INC. 800/680-7750	12/02/21	5390	Q	ULTIMATE TENSILE: 4111 LB/FT ASTM D6637 LONG-TERM TENSILE: 2163 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	STRATA GRID (SGU) 80	STRATA SYSTEMS, INC. 800/680-7750	12/02/21	5391	Q	ULTIMATE TENSILE: 5482 LB/FT ASTM D6637 LONG-TERM TENSILE: 2884 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10	GEOGRID - TYPE I MSEW	UX01400HS	TENSAR EARTH TECH 800/292-4459 WILLIE LIEW 707/344-2090	05/13/10	3757	Q	ULTIMATE TENSILE: 4800 LB/FT ASTM D6637 LONG-TERM TENSILE: 1300 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	UX01400MSE	TENSAR EARTH TECH 800/292-4459 WILLIE LIEW 707/344-2090	01/08/09	3762	Q	ULTIMATE TENSILE: 4800 LB/FT ASTM D6637 LONG-TERM TENSILE: 1300 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	UX01500HS	TENSAR EARTH TECH 800/292-4459 WILLIE LIEW 707/344-2090	05/13/10	3758	Q	ULTIMATE TENSILE: 7810 LB/FT ASTM D6637 LONG-TERM TENSILE: 2240 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	UX01500MSE	TENSAR EARTH TECH 800/292-4459 WILLIE LIEW 707/344-2090	01/08/09	3763	Q	ULTIMATE TENSILE: 7810 LB/FT ASTM D6637 LONG-TERM TENSILE: 2240 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	UX01600HS	TENSAR EARTH TECH 800/292-4459 WILLIE LIEW 707/344-2090	05/13/10	3759	Q	ULTIMATE TENSILE: 9870 LB/FT ASTM D6637 LONG-TERM TENSILE: 2830 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	UX01600MSE	TENSAR EARTH TECH 800/292-4459 WILLIE LIEW 707/344-2090	01/08/09	3764	Q	ULTIMATE TENSILE: 9870 LB/FT ASTM D6637 LONG-TERM TENSILE: 2830 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	UX01700HS	TENSAR EARTH TECH 800/292-4459 WILLIE LIEW 707/344-2090	05/13/10	3760	Q	ULTIMATE TENSILE: 11990 LB/FT ASTM D6637 LONG-TERM TENSILE: 3430 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10	GEOGRID - TYPE I MSEW	UX01700MSE	TENSAR EARTH TECH 800/292-4459 WILLIE LIEW 707/344-2090	01/08/09	3765	Q	ULTIMATE TENSILE: 11990 LB/FT ASTM D6637 LONG-TERM TENSILE: 3430 LB/FT AASHTO R 69-15. CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	ACF N045N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5499	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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<b>STANDARD SPEC #</b>	<b>CATEGORY</b>	<b>PRODUCT NAME</b>	<b>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</b>	<b>EFFECTIVE DATE</b>	<b>PRODUCT NUMBER</b>	<b>LIST</b>	<b>REMARKS</b>
02320.10B	DRAIN TYPE 1 02320-1	ACF N060N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5500	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	ACF N070N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5501	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	ACF N080N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5502	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	FX-60HS	CARTHAGE MILLS 513/794-1600	07/01/22	5448	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	FX-70HS	CARTHAGE MILLS 513/794-1600	07/01/22	5440	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	FX-80HS	CARTHAGE MILLS 513/794-1600	07/01/22	5441	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	GEOTEX 601	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5445	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	GEOTEX 701	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5446	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	GEOTEX 801	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5447	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B	DRAIN TYPE 1 02320-1	GT 142	SKAPS INDUSTRIES 706/354-3700	07/01/22	5450	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	GT 160	SKAPS INDUSTRIES 706/354-3700	07/01/22	5448	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	GT 180	SKAPS INDUSTRIES 706/354-3700	07/01/22	5449	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	MIRAFI 140N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5451	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	MIRAFI 160N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5452	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	MIRAFI 180N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5453	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	TERRATEX NO4.5	HANES GEO COMPONENTS 336/705-9673	07/01/22	5457	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	TERRATEX NO6	HANES GEO COMPONENTS 336/705-9673	07/01/22	5458	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	TERRATEX NO8	HANES GEO COMPONENTS 336/705-9673	07/01/22	5459	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B	DRAIN TYPE 1 02320-1	US 120NW	US FABRICS INC 513/271-6000	04/07/23	5487	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	US 160NW	US FABRICS INC 513/271-6000	04/07/23	5488	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	US 205NW	US FABRICS INC 513/271-6000	04/10/23	5491	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	WINFAB 2197	WILLACOOCHEE INDUSTRIAL FABRICS INC 912/381-9508	04/20/23	5496	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 1 02320-1	WINFAB 450N	WILLACOOCHEE INDUSTRIAL FABRICS INC 912/381-9508	08/09/23	5516	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	ACF N060N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5500	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	ACF N070N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5501	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	ACF N080N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5502	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	FX-60HS	CARTHAGE MILLS 513/794-1600	07/01/22	5448	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B	DRAIN TYPE 2 02320-1	FX-70HS	CARTHAGE MILLS 513/794-1600	07/01/22	5440	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	FX-80HS	CARTHAGE MILLS 513/794-1600	07/01/22	5441	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	GEOTEX 601	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5445	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	GEOTEX 701	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5446	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	GEOTEX 801	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5447	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	GT 160	SKAPS INDUSTRIES 706/354-3700	07/01/22	5448	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	GT 180	SKAPS INDUSTRIES 706/354-3700	07/01/22	5449	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	MIRAFI 160N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5452	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	MIRAFI 180N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5453	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B	DRAIN TYPE 2 02320-1	TERRATEX NO6	HANES GEO COMPONENTS 336/705-9673	07/01/22	5458	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	TERRATEX NO8	HANES GEO COMPONENTS 336/705-9673	07/01/22	5459	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	DRAIN TYPE 2 02320-1	WINFAB 2X2HF	WILLACOOCHEE INDUSTRIAL FABRICS INC 912/381-9508	04/20/23	5495	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	EMBANKMENT 02320-5	ACF N080N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5502	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	EMBANKMENT 02320-5	ACF N100N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5503	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	EMBANKMENT 02320-5	ACF S200N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5504	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	EMBANKMENT 02320-5	ACF S300N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5505	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	EMBANKMENT 02320-5	FX-66	CARTHAGE MILLS 513/794-1600	07/01/22	5439	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	EMBANKMENT 02320-5	FX-80HS	CARTHAGE MILLS 513/794-1600	07/01/22	5441	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B 02320-5	EMBANKMENT	GEOTEX 801	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5447	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-5	EMBANKMENT	GT 180	SKAPS INDUSTRIES 706/354-3700	07/01/22	5449	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-5	EMBANKMENT	MIRAFI 180N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5453	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-5	EMBANKMENT	MIRAFI 600X	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5455	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-5	EMBANKMENT	NCIF W315	NCIF (LINYI) GEOSYNTHETICS CO. 704/907-3893 ACF WEST INC 800/878-5115	10/25/23	5529	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-5	EMBANKMENT	TERRATEX NO8	HANES GEO COMPONENTS 336/705-9673	07/01/22	5459	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-5	EMBANKMENT	US 205NW	US FABRICS INC 513/271-6000	04/10/23	5491	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-5	EMBANKMENT	US 315	US FABRICS INC 513/271-6000	04/10/23	5492	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-5	EMBANKMENT	WINFAB 315W	WILLACOOCHIEE INDUSTRIAL FABRICS INC 912/381-9508	08/24/23	5522	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B 02320-5	EMBANKMENT	WINFAB 315W USA	WILLACOOCHEE INDUSTRIAL FABRICS INC 912/381-9508	10/27/23	5531	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-6	PAVEMENT OVERLAY	400NP	WILLACOOCHEE INDUSTRIAL FABRICS INC 912/534-5757	07/01/22	5466	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-6	PAVEMENT OVERLAY	GC 140	SKAPS INDUSTRIES 706/354-3700	07/01/22	5465	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-6	PAVEMENT OVERLAY	MACTEX AR1	MACCAFERRI INC 301/223-4356	07/01/22	5462	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-6	PAVEMENT OVERLAY	PETROMAT 4598	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5464	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-6	PAVEMENT OVERLAY	PETROMAT PLUS WHITE 4598	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5463	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-6	PAVEMENT OVERLAY	TERRATEX OLI	HANES GEO COMPONENTS 336/705-9673	07/01/22	5461	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-6	PAVEMENT OVERLAY	US 100P	US FABRICS INC 513/271-6000	04/07/23	5486	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-2	RIP RAP TYPE 1	ACF N060N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5500	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B	RIP RAP TYPE 1 02320-2	ACF N070N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5501	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	ACF N080N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5502	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	FX-60HS	CARTHAGE MILLS 513/794-1600	07/01/22	5448	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	FX-80HS	CARTHAGE MILLS 513/794-1600	07/01/22	5441	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	GEOTEX 601	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5445	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	GEOTEX 701	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5446	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	GEOTEX 801	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5447	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	GT 160	SKAPS INDUSTRIES 706/354-3700	07/01/22	5448	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	GT 180	SKAPS INDUSTRIES 706/354-3700	07/01/22	5449	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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JANUARY 2024**

<b>STANDARD SPEC #</b>	<b>CATEGORY</b>	<b>PRODUCT NAME</b>	<b>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</b>	<b>EFFECTIVE DATE</b>	<b>PRODUCT NUMBER</b>	<b>LIST</b>	<b>REMARKS</b>
02320.10B	RIP RAP TYPE 1 02320-2	MIRAFI 160N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5452	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	MIRAFI 180N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5453	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	SKAPS FG22HF	SKAPS INDUSTRIES 706/354-3700	10/27/23	5533	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	TERRATEX NO6	HANES GEO COMPONENTS 336/705-9673	07/01/22	5458	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	TERRATEX NO8	HANES GEO COMPONENTS 336/705-9673	07/01/22	5459	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	US 160NW	US FABRICS INC 513/271-6000	04/07/23	5488	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	US 180NW	US FABRICS INC 513/271-6000	04/07/23	5489	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-2	US 205NW	US FABRICS INC 513/271-6000	04/10/23	5491	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 1 02320-5	FX-70HS	CARTHAGE MILLS 513/794-1600	07/01/22	5440	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B	RIP RAP TYPE 2 02320-2	ACF N080N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5502	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 2 02320-2	ACF N100N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5503	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 2 02320-2	FX-80HS	CARTHAGE MILLS 513/794-1600	07/01/22	5441	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 2 02320-2	GEOTEX 801	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5447	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 2 02320-2	GT 180	SKAPS INDUSTRIES 706/354-3700	07/01/22	5449	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 2 02320-2	MIRAFI 180N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5453	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 2 02320-2	SKAPS FG22HF	SKAPS INDUSTRIES 706/354-3700	10/27/23	5533	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 2 02320-2	TERRATEX NO8	HANES GEO COMPONENTS 336/705-9673	07/01/22	5459	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	RIP RAP TYPE 2 02320-2	US 205NW	US FABRICS INC 513/271-6000	04/10/23	5491	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B 02320-2	RIP RAP TYPE 2	WINFAB 2X2HF	WILLACOOCHIEE INDUSTRIAL FABRICS INC 912/381-9508	04/20/23	5495	Q	NTPEP LISTED
							CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-3	SEDIMENT FENCE	ACF LS125N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5497	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	ACF N035N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5498	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	ACF N045N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5499	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	ACF S200N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5504	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	FX-60	CARTHAGE MILLS 513/794-1600	07/01/22	5437	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	FX-66	CARTHAGE MILLS 513/794-1600	07/01/22	5439	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	FX-70HS	CARTHAGE MILLS 513/794-1600	07/01/22	5440	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	FX-80HS	CARTHAGE MILLS 513/794-1600	07/01/22	5441	A	NTPEP LISTED

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02320.10B 02320-3	SEDIMENT FENCE	GEOTEX 200ST	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5442	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	GEOTEX 2130	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5443	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	MIRAFI 500X	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5454	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	MIRAFI 600X	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5455	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	SKAPS GT 142	SKAPS INDUSTRIES 706/354-3700	11/13/23	5450	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	SKAPS SW200	SKAPS INDUSTRIES 706/354-3700	10/27/23	5532	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	TERRATEX GS	HANES GEO COMPONENTS 336/705-9673	07/01/22	5456	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	TERRATEX SF-D	HANES GEO COMPONENTS 336/705-9673	07/01/22	5460	A	NTPEP LISTED
02320.10B 02320-3	SEDIMENT FENCE	WINFAB 105SF	WILLACOCHEE INDUSTRIAL FABRICS INC 912/381-9508	12/04/23	5538	A	NTPEP LISTED

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02320.10B 02320-3	SEDIMENT FENCE	WINFAB 450N	WILLACOOCHEE INDUSTRIAL FABRICS INC 912/381-9508	08/09/23	5516	A	NTPEP LISTED
02320.10B 02320-4	SUBGRADE	ACF N045N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5499	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	ACF N060N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5500	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	ACF N070N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5501	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	ACF N080N	FERGUSON ENTERPRISES DBA ACF ENVIRONMENTAL 804/275-4109	05/05/23	5502	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	BASELOK BX1200 GEOGRID	INDUSTRIAL FABRICS INC 225/273-9600	08/16/23	5517	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	FX-60HS	CARTHAGE MILLS 513/794-1600	07/01/22	5448	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	FX-80HS	CARTHAGE MILLS 513/794-1600	07/01/22	5441	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	GEOTEX 250ST	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5444	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B 02320-4	SUBGRADE	GEOTEX 601	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5445	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	GEOTEX 701	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5446	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	GEOTEX 801	PROPEX OPERATING COMPANY 423/553-3733	07/01/22	5447	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	GT 160	SKAPS INDUSTRIES 706/354-3700	07/01/22	5448	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	HP 370	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5435	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	MIRAFI 140N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	05/26/23	5451	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	MIRAFI 160N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5452	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	MIRAFI 180N	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5453	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	MIRAFI 600X	TENCATE GEOSYNTHETICS AMERICAS 706/693-1726	07/01/22	5455	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B 02320-4	SUBGRADE	NCIF W200	NCIF (LINYI) GEOSYNTHETICS CO. 704/907-3893 ACF WEST INC 800/878-5115	10/25/23	5528	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	SKAPS GT 142	SKAPS INDUSTRIES 706/354-3700	11/13/23	5450	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	SKAPS GT 142	SKAPS INDUSTRIES 706/354-3700	11/13/23	5450	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	SKAPS SW200	SKAPS INDUSTRIES 706/354-3700	10/27/23	5532	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	TERRATEX NO6	HANES GEO COMPONENTS 336/705-9673	07/01/22	5458	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	US 160NW	US FABRICS INC 513/271-6000	04/07/23	5488	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	US 180NW	US FABRICS INC 513/271-6000	04/07/23	5489	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	US 200	US FABRICS INC 513/271-6000	04/07/23	5490	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B 02320-4	SUBGRADE	US 205NW	US FABRICS INC 513/271-6000	04/10/23	5491	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED

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02320.10B	SUBGRADE 02320-4	WINFAB 200W	WILLACOOCHIEE INDUSTRIAL FABRICS INC 912/381-9508	08/24/23	5521	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	SUBGRADE 02320-4	WINFAB 200W USA	WILLACOOCHIEE INDUSTRIAL FABRICS INC 912/381-9508	10/27/23	5530	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02320.10B	SUBGRADE 02320-4	WINFAB 450N	WILLACOOCHIEE INDUSTRIAL FABRICS INC 912/381-9508	08/09/23	5516	Q	NTPEP LISTED  CONSTRUCTION MATERIAL CMO REQUIRED
02415.10	POLY DRAIN PIPE 4" - 10"	EAGLE CORR PE (DUAL WALL)	JM EAGLE 310/693-8200 EXT 7958	06/10/10	4136	Q	  CONSTRUCTION MATERIAL CMO REQUIRED
02415.10	POLY DRAIN PIPE 4"-10"	ADS SINGLE WALL HDPE PERF. PIPE ADS DUAL ADS DUAL WALL HDPE PERF. PIPE	ADVANCED DRAINAGE SYSTEMS, INC LEROY LUCERO 971/235-1569 SCOTT GORDANIER 360/798-3731	12/02/16	5011	Q	  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED

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**QUALIFIED LIST - ADDITIONAL REQUIREMENTS\*\***  
**JANUARY 2024**

<b>STANDARD SPEC #</b>	<b>CATEGORY</b>	<b>PRODUCT NAME</b>	<b>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</b>	<b>EFFECTIVE DATE</b>	<b>PRODUCT NUMBER</b>	<b>LIST</b>	<b>REMARKS</b>
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	12" TO 60" DIAMETERS.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DIAMETERS: 12" TO 60".  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED

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**QUALIFIED LIST - ADDITIONAL REQUIREMENTS\*\***  
**JANUARY 2024**

<b>STANDARD SPEC #</b>	<b>CATEGORY</b>	<b>PRODUCT NAME</b>	<b>LOCAL REPRESENTATIVE AND/OR MANUFACTURER</b>	<b>EFFECTIVE DATE</b>	<b>PRODUCT NUMBER</b>	<b>LIST</b>	<b>REMARKS</b>
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DIAMETERS: 12" TO 60".  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED

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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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL, CORRUGATIONS. 12" TO 60" DIAMETERS. HAS REINFORCED BELL. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	APPROVED FOR WATER-TIGHT APPLICATIONS. 12" TO 60"  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	LOOK FOR BLUE WRAP ON SEAL FOR WATERTIGHT VERSION. DIAMETERS: 4" TO 60". CONSTRUCTION MATERIAL CMO REQUIRED
02415.10	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT	KRAH PIPE PR (12"-60") WELDED JOINTS	KRAH USA LLC 888/457-2487	06/03/22	5434	Q	EXTRUSION WELDED JOINT BY MFG APPROVED TECHS.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CORRUGATED HDPE  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CORRUGATED HDPE  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	EXTRUSION WELDED JOINT BY MFG APPROVED TECHS. WAS KWH PIPE (2014) CONSTRUCTION MATERIAL CMO REQUIRED

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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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.  CONSTRUCTION MATERIAL CMO REQUIRED

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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	Q	APPROVED FOR WATER-TIGHT APPLICATIONS. 12" TO 60"  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	LOOK FOR BLUE WRAP ON SEAL FOR WATERTIGHT VERSION. DIAMETERS: 4" TO 60". CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DIAMETERS: 4" TO 10". BLUE WRAP FOR "WT" VERSION.  CONSTRUCTION MATERIAL CMO REQUIRED
02415.10	POLY WT PIPE - STORM CORRUGATED HDPE WT = WATER-TIGHT	KRAH PIPE PR (12"-60") WELDED JOINTS	KRAH USA LLC 888/457-2487	06/03/22	5434	Q	EXTRUSION WELDED JOINT BY MFG APPROVED TECHS.  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CORRUGATED HDPE  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CORRUGATED HDPE  CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	EXTRUSION WELDED JOINT BY MFG APPROVED TECHS. WAS KWH PIPE (2014) CONSTRUCTION MATERIAL CMO REQUIRED
02415.20	POLY WT PIPE - CULVERT SOLID-WALL HDPE WT = WATER-TIGHT	ISCO SNAP TITE 10" - 63"	ISCO INDUSTRIES 800/345-4726	12/24/12	3695	Q	  CONSTRUCTION MATERIAL CMO REQUIRED

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02415.20	POLY WT PIPE - STORM SOLID-WALL HDPE WT = WATER-TIGHT	ISCO SNAP TITE 10" - 63"	ISCO INDUSTRIES 800/345-4726	12/24/12	3695	Q	CONSTRUCTION MATERIAL CMO REQUIRED
02415.30	POLY WT PIPE - CULVERT STEEL REINFORCED HDPE WT = WATER-TIGHT	DUROMAXX WITH HP JOINTS 30" - 72"	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	08/12/10	3993	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02415.30	POLY WT PIPE - STORM STEEL REINFORCED HDPE WT = WATER-TIGHT	DUROMAXX WITH HP JOINTS 30" - 72"	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	08/12/10	3993	Q	CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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	Q	CHECK SPECIFICATIONS TO SEE IF ALLOWED BY PIPE INSIDE DIAMETER DON'T HANDLE IN TEMPS BELOW 0°F CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DON'T HANDLE IN TEMPS BELOW 0° F. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DON'T HANDLE IN TEMPS BELOW 0° F. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DON'T HANDLE IN TEMPS BELOW 0° F. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	DON'T HANDLE IN TEMPS BELOW 0° F. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CHECK SPECIFICATIONS TO SEE IF ALLOWED BY PIPE INSIDE DIAMETER DON'T HANDLE IN TEMPS BELOW 0°F CONSTRUCTION MATERIAL CMO REQUIRED

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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	Q	DON'T HANDLE IN TEMPS BELOW 0° F. NOW 4558. CONSTRUCTION MATERIAL CMO REQUIRED
02415.50	PVC DRAIN PIPE - PERF PERFORATED	A-2000	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	05/10/07	488	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
02415.50	PVC DRAIN PIPE - SOLID SOLID	A-2000	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	05/01/07	488	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
02415.50	PVC PIPE - IRRIGATION	A-2000	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	05/10/07	488	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
02415.50	PVC PIPE - SANITARY	A-2000	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	05/10/07	488	Q	36"-120" FILL,NON-INTERSTATE 12-18" DIA. REVIEW W/LOCAL CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED

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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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
02415.50	PVC WT PIPE - CULVERT WT = WATER-TIGHT	A-2000	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	05/10/07	488	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
02415.50	PVC WT PIPE - STORM WT = WATER-TIGHT	A-2000	CONTECH ENGINEERED SOLUTIONS, LLC 503/258-3101	05/10/07	488	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	10 MILS POLYMERIC COATING REQUIRED BOTH SIDES OF PIPE TO GET 50 YR. ADDITIONAL SERVICE LIFE. 12GA & THINNER. CONSTRUCTION MATERIAL CMO REQUIRED
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	Q	POLYPROPYLENE CLOSED CELL  CONSTRUCTION MATERIAL CMO REQUIRED
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	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	DOWSIL 902 RCS (WAS DOW 902 RCS)	DOW CORNING 866/768-8768 JASON SIKA 303/980-1780 ATLAS SUPPLY 800/806-7952	06/17/16	754	A	
02440.11	POURED JOINT SEALANT 2 PART SILICONE	SIKASIL728 RCS WAS BONDAFLEX SIL728 RCS	SIKA CORPORATION 800/933-7452 MASON SUPPLY 800/537-3407 ATLAS SUPPLY 800/806-7952	07/08/10	3163	A	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	A	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	Q	ASTM D5249 TYPE 1/3  CONSTRUCTION MATERIAL CMO REQUIRED
02440.14	BACKER ROD	FILLPRO HOT-ROD XL BACKER ROD	ARMACELL LLC 800/866-5638 WHITE CAP 503/287-4151 VEN: ATLAS SUPPLY 800/806-7952	10/04/90	367	Q	ASTM D5249 TYPE 1/3  CONSTRUCTION MATERIAL CMO REQUIRED

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02440.14	BACKER ROD	FILLPRO STANDARD BACKER ROD	ARMACELL LLC 800/866-5638 WHITE CAP 503/287-4151 VEN: ATLAS SUPPLY 800/806-7952	03/14/91	665	Q	ASTM D5249 TYPE 3  CONSTRUCTION MATERIAL CMO REQUIRED
02440.14	BACKER ROD	HBR	CONSTRUCTION FOAM PRODUCTS LISA JARVIS 919/380-6640 (CFM A DIV OF NOMACO)	07/14/11	820	Q	ASTM D5249 TYPE 3  CONSTRUCTION MATERIAL CMO REQUIRED
02440.14	BACKER ROD	HBR-XL	CONSTRUCTION FOAM PRODUCTS LISA JARVIS 919/380-6640 (CFM A DIV OF NOMACO)	07/14/11	366	Q	ASTM D5249 TYPE 1/3  CONSTRUCTION MATERIAL CMO REQUIRED
02440.20	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. 716/901-7020	06/11/09	1006	Q	SUBMIT DRAWINGS TO BRIDGE. ANCHOR PER BR145.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02440.20	EXPANSION JOINT SYSTEM, STRIP SEAL MOVEMENTS OF 1 3/4" - 4".	STEELFLEX SSPA W/L2-400,L2-500	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 RAIL SHORTER THAN SD. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02440.20	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 RAIL SHORTER THAN SD. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02440.22	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  CONSTRUCTION MATERIAL CMO REQUIRED
02440.22	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. CONSTRUCTION MATERIAL CMO REQUIRED
02440.23	EXPANSION JOINT SYSTEM, PRECOMPRESSED FOAM SILICONE JOINT SEAL MOVEMENT UP TO .25"	EMSEAL BEJS SYSTEM	EMSEAL JOINT SYSTEMS, LTD 508/836-0280	06/27/19	5211	Q	

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02440.23	EXPANSION JOINT SYSTEM, PRECOMPRESSED FOAM SILICONE JOINT SEAL MOVEMENT UP TO 2.5"	WABO FS BRIDGE SEAL	WATSON BOWMAN ACME CORP. 716/691-7566	06/27/19	5212	Q	
02440.30	HOT APPLIED JOINT SEALANT	BERAM 195	MCASPHALT INDUSTRIES 800/268-4238 PHOENIX ASPHALT 503/289-6696	11/08/07	3538	A	
02440.30	HOT APPLIED JOINT SEALANT	CRAFCO ROADSAVER 201 PART #34201	CRAFCO INC. 800/528-8242 GREG SHARP 971/645-1826	12/09/04	476	A	
02440.30	HOT APPLIED JOINT SEALANT	CRAFCO ROADSAVER 221 PART #34221	CRAFCO INC. 800/528-8242 GREG SHARP 971/645-1826	12/09/04	2099	A	
02440.30	HOT APPLIED JOINT SEALANT	DEERY 102 (PART# 80102)	CRAFCO 800/528-8242 WALLY SMITH 970/260-2596 PMSI 503/284-4330	04/14/11	3067	A	ASPHALTIC
02440.30	HOT APPLIED JOINT SEALANT	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	HOT APPLIED JOINT SEALANT	DURA-FILL 3405	P&T PRODUCTS, INC. 419/621-1966	09/29/17	5077	A	
02440.30	HOT APPLIED JOINT SEALANT	ELASTOFLEX 500	MAXWELL PRODUCTS 801/972-2090	10/14/04	2823	A	ASPHALTIC
02440.30	HOT APPLIED JOINT SEALANT	ELASTOFLEX 61	MAXWELL PRODUCTS 801/972-2090	10/14/04	1010	A	ASPHALTIC

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02440.30	HOT APPLIED JOINT SEALANT	ELASTOFLEX 62	MAXWELL PRODUCTS 801/972-2090	10/14/04	1011	A	ASPHALTIC
02440.30	HOT APPLIED JOINT SEALANT	NUVO 3405	MAXWELL PRODUCTS 801/972-2090	07/09/09	3870	A	
02440.30	HOT APPLIED JOINT SEALANT	ROADSEAL 10312	ROADSEAL CANADA 604/451-0721 778/881-6984	01/14/10	4084	A	
02440.30	HOT APPLIED JOINT SEALANT	RP 3405 (WAS #3405 REGULAR - OR)	CRAFCO, INC 602/276-0406	08/14/08	3672	A	
02440.30	HOT APPLIED JOINT SEALANT	SA 102	SPECIAL ASPHALT PRODUCTS, INC 503/201-3560 SCOTT SCHAUB	04/24/13	4609	A	ASPHALTIC
02440.30	HOT APPLIED JOINT SEALANT HOT POURED	GREYSEAL 6690	FIBRECRETE PRESERVATION TECH. 336/466-9559	11/29/23	5536	A	
02440.30	HOT APPLIED JOINT SEALANT HOT POURED ASPHALTIC	CRACKMASTER 3405 (PTP)	THORWORKS INDUSTRIES, INC 800/326-1994 SEALMASTER PORTLAND 541/647-2356	03/23/22	5412	A	
02440.30	HOT APPLIED JOINT SEALANT HOT POURED ASPHALTIC	QPR NXGEN HOT APPLIED CRACK SEALANT	THE QUIKRETE COMPANIES DBA QPR 423/637-2499 423/553-6877	01/30/20	5232	A	POLYMER MODIFIER ASPHALT CEMENT
02440.40	RUBBER GASKETS BUTYL	BUTYL-NEK PREFORMED PLASTIC JOINT SEALANT	HENRY SEALANTS 800/231-4549	03/10/05	2789	Q	PIPES, CULVERTS, OR MANHOLES.
							CONSTRUCTION MATERIAL CMO REQUIRED

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02440.40	RUBBER GASKETS BUTYL	RAM-NEK FLEXIBLE PLASTIC GASKET	HENRY SEALANTS 800/231-4549	03/10/05	2790	Q	PIPES, CULVERTS, OR MANHOLES.  CONSTRUCTION MATERIAL CMO REQUIRED
02440.40	RUBBER GASKETS MANHOLES	BEST SEAL C-56	BEST FITT GASKET CO. TARI KNOTT 253/863-9521	05/09/02	2457	Q	MFG PROVIDED EVIDENCE THAT THIS PRODUCT MEETS AASHTO M198  CONSTRUCTION MATERIAL CMO REQUIRED
02510.10	REBAR MANUFACTURER	CASCADE STEEL ROLLING MILLS	CASCADE STEEL ROLLING MILLS 800/283-2776 OR 503/222-6824	01/25/94	1111	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER	CMC STEEL-DURANT OKLAHOMA	COMMERCIAL METALS-CMC STEEL OK 580/634-5084	06/12/18	5138	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. #4-#11 STRAIGHT, #3-#6 COILED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER	EVRAZ INC, NA-PUEBLO COLORADO	EVRAZ 719/561-6009	07/08/10	1621	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER	GERDAU AMERISTEEL - WILTON	GERDAU AMERISTEEL 537/732-4552	09/11/08	1622	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER	NUCOR - SEATTLE	NUCOR CORPORATION WINKY LAI 206/933-2288 800/428-9005	02/12/04	2935	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER	NUCOR - UTAH	NUCOR CORPORATION 800/677-1012 OR 800/428-9005 801/458-3691	01/25/94	1112	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER	NUCOR-BOURBONNAIS	NUCOR STEEL KANKAKEE 815/939-5532	03/16/16	4943	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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02510.10	REBAR MANUFACTURER	NUCOR-KINGMAN AZ	NUCOR STEEL KINGMAN AZ 928/718/7035	03/09/11	4356	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. COILED BAR CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER	OPTIMUS STEEL-BEAUMONT TEXAS MILL COILED #3 - #5	OPTIMUS STEEL LLC 409/769-1035	01/06/15	4838	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION DRAWING. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER	VINTON STEEL-TX	KYOEI STEEL-VINTON TX 915/231-4553	03/11/10	1841	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. WAS BORDER STEEL. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER  SIZE #4 - #11	CMC STEEL - MESA AZ	CMC STEEL - MESA AZ 480/396-7127	03/11/10	4118	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER A615 GRADE 60, 80, 100 A706 GRADE 60, 80 SIZE #3-#18	CMC STEEL SOUTH CAROLINA	CMC STEEL SOUTH CAROLINA 803/465-7523	06/12/20	5263	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION DRAWING. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER A615 60 #3-#11 A615 80,100 #4-#11 A706 60,80 #3-#11	CMC STEEL KNOXVILLE TENNESSEE	CMC STEEL TENNESSEE 865/202-5972	02/23/21	5333	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. A615/A706 60 #4-#11 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER A615 GRADE 60 A706 GRADE 60 SIZE #3-#11	CMC STEEL TEXAS SEGUIN	CMA STEEL TEXAS 830/372-8476	12/02/20	5313	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION DRAWING. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER A615 GRADE 60 SIZE #4-#11	STEEL DYNAMICS ROANOKE BAR DIVISION	STEEL DYNAMICS ROANOKE BAR DIVISION 540/510-3185	06/19/20	5261	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER A706 GRADE 60 SIZE #3-#5	CMC STEEL FLORIDA	CMC STEEL FLORIDA 904/266-1547	06/12/20	5262	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION DRAWING. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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02510.10	REBAR MANUFACTURER ASTM A1035CM/AASHTO M334 SIZE #4 - #11	MMFX TECHNOLOGIES-CMC CHROMX 4100 PRODUCED @ CASCADE STEEL ROLLING MILLS	COMMERCIAL METALS COMPANY 480/396-7124	04/28/20	5249	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.10	REBAR MANUFACTURER ASTM A1035CS/AASHTO M334 SIZE #3 - #11	MMFX TECHNOLOGIES-CMC CHROMX 9100 PRODUCED @ CASCADE STEEL ROLLING MILLS	COMMERCIAL METALS COMPANY 480/396-7124	03/19/18	3517	Q	SEE APPENDIX "A" AT END OF QPL FOR IDENTIFICATION PICTURES. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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 RASING APPLICATIONS (SWAGED) CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	SPLICE, BUTT, MECHANICAL  TYPE 1	BARSPlice - ZAP LOCK SCREWLOK SL	BARSPlice PRODUCTS INC 937/275-8700	02/25/20	5250	Q	#4-#11 BLACK BAR & COATED SHEAR BOLT TYPE CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	SPLICE, BUTT, MECHANICAL  TYPE 1	LENTON CONNECTS S2 PLAIN SERIES	ERICO INTERNATIONAL CORPORATION 440/248-0100	12/03/20	5312	Q	#4-#11 BLACK BAR SHEAR BOLT TYPE CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	SPLICE, BUTT, MECHANICAL  TYPE 1	LENTON FORM SAVER SA	ERICO PRODUCTS INC. 440-248-0100	09/14/06	3353	Q	#4 - #11  THREADED WITH FLANGE CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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, NOT FOR COLUMN BARS FOR BRIDGE RAISING APPLICATIONS (SWAGED) CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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02510.20	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 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	SPLICE, BUTT, MECHANICAL TYPE 2	BARTEC	DEXTRA AMERICA 877/327-0800	10/09/08	3595	Q	BLACK BAR ONLY COLD FORGED/THREADED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	SPLICE, BUTT, MECHANICAL TYPE 2	DB/DI MECHANICAL SPLICE	DAYTON SUPERIOR 800/745-3703	06/29/22	5192	Q	#4 - #11 BLACK BAR ONLY HEAT FORMED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	SPLICE, BUTT, MECHANICAL TYPE 2	GRIPTEC	DEXTRA AMERICA 877/327-0800	10/09/08	3594	Q	BLACK BAR ONLY SWAGED/THREADED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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 CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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02510.20	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 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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 CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	SPLICE, BUTT, MECHANICAL TYPE 2	TAPER-LOCK D310 STANDARD COUPLER	DAYTON SUPERIOR 800/745-3703	06/30/22	5402	Q	#4 - #18 BLACK BAR ONLY  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	SPLICE, BUTT, MECHANICAL TYPE 2	TAPER-LOCK D340 FLANGE COUPLER	DAYTON SUPERIOR 800/745-3703	06/29/22	5467	Q	#4 - #18 BLACK BAR ONLY  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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.  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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  CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	SPLICE, LAP, MECHANICAL TYPE 1	QUICK WEDGE	ERICO PRODUCTS INC. 440/248-0100	09/28/05	610	Q	#3 - #6 BLACK BAR ONLY. (2 REQUIRED FOR EACH LOCATION, ALL INSTALLATIONS) NO SLIPTEST CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.20	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 SLIP TESTING NOT REQUIRED CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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02510.20	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 SLIP TESTING NOT REQUIRED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.25	HEADED BAR REINFORCEMENT	BARSPLICE-BUTTONHEAD BNH 5AB	BARSPLICE PRODUCTS INC, 4900 WEBSTER ST. DAYTON OH 45414 JONH STEVENSON 937/275-8700	04/02/18	4988	Q	#4 - #14 UP TO GRADE 80KSI BAR. SWAGED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.25	HEADED BAR REINFORCEMENT	BARSPLICE-BUTTONHEAD BNH 10AB	BARSPLICE PRODUCTS INC, 4900 WEBSTER ST. DAYTON OH 45414 JONH STEVENSON 937/275-8700	04/02/18	5115	Q	#4 - #11 UP TO GRADE 80KSI BAR. SWAGED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.25	HEADED BAR REINFORCEMENT	LENTON TERMINATOR D6 SERIES	ERICO PRODUCTS INC. 440/248-0100	01/21/14	3805	Q	#4 - #18  THREADED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.25	HEADED BAR REINFORCEMENT	NVENT LENTON SWAGED TERMINATOR DT14	ERICO INTERNATIONAL CORP. 440/248-0100	11/01/23	5524	Q	#4 - #11 GRADE 60 & 80 SWAGED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02510.25	HEADED BAR REINFORCEMENT	NVENT LENTON SWAGED TERMINATOR DT16	ERICO INTERNATIONAL CORP. 440/248-0100	11/01/23	5525	Q	#4 - #18 GRADE 60 & 80 SWAGED CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIP HP12X53	HT 3312	CONSTRUCTION SUPPLY COMPANY 503/620-2971	05/12/23	5482	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIP HP14X73	HT 3314	CONSTRUCTION SUPPLY COMPANY 503/620-2971	01/20/23	5478	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIP HP14X89	HT 3314	CONSTRUCTION SUPPLY COMPANY 503/620-2971	01/20/23	5478	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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02520.10E	PILE TIPS HP10X42	HP77600-B-18# 10"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	3359	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP10X42	HP77750-B 10"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2500	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP10X42	SUPER BITE POINT PAR10T	ASSOCIATED PILE & FITTING 800/526-9047	05/12/11	4364	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP10X42	VERSA STEEL VS310N	VERSA STEEL 800/678-0814	03/13/03	2770	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP10X57	HP77600-B-18# 10"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	3359	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP10X57	VERSA STEEL VS310N	VERSA STEEL 800/678-0814	03/13/03	2770	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X53	HP77600-B-30# 12"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	3360	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X53	HP77750-B 12"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2541	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X53	HP7780-B 12"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2501	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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02520.10E	PILE TIPS HP12X53	SUPER BITE POINT PAR12T	ASSOCIATED PILE & FITTING 800/526-9047	05/12/11	4365	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X53	VERSA STEEL VS312N	VERSA STEEL 800/678-0814	03/13/03	2771	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X63	HP77600-B-30# 12"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	3360	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X63	SUPER BITE POINT PAR12T	ASSOCIATED PILE & FITTING 800/526-9047	05/12/11	4365	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X63	VERSA STEEL VS312N	VERSA STEEL 800/678-0814	03/13/03	2771	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X74	HP77600-B-30# 12"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	3360	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X74	HP77750-B 12"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2541	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X74	SUPER BITE POINT PAR12T	ASSOCIATED PILE & FITTING 800/526-9047	05/12/11	4365	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X74	VERSA STEEL VS312N	VERSA STEEL 800/678-0814	03/13/03	2771	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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JANUARY 2024**

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02520.10E	PILE TIPS HP12X84	HP77600-B-30# 12"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	3360	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP12X84	VERSA STEEL VS312N	VERSA STEEL 800/678-0814	03/13/03	2771	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X102	HP77600-B-46 14"	ASSOCIATED PILE & FITTING 800/526-9047	04/12/07	3471	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X102	HP77750-B 14"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2542	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X102	VERSA STEEL VS314-117N	VERSA STEEL 800/678-0814	03/13/03	2773	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X117	HP77600-B-46 14"	ASSOCIATED PILE & FITTING 800/526-9047	04/12/07	3471	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X117	HP77750-B 14"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2542	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X117	VERSA STEEL VS314-117N	VERSA STEEL 800/678-0814	03/13/03	2773	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X73	HP77600-B 14"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2502	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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02520.10E	PILE TIPS HP14X73	HP77600-B-46 14"	ASSOCIATED PILE & FITTING 800/526-9047	04/12/07	3471	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X73	HP77750-B 14"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2542	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X73	SUPER BITE POINT PAR14T	ASSOCIATED PILE & FITTING 800/526-9047	05/12/11	4366	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X73	VERSA STEEL VS314-117N	VERSA STEEL 800/678-0814	01/12/06	2773	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X73	VERSA STEEL VS314-89N	VERSA STEEL 800/678-0814	03/13/03	2772	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X89	HP77600-B 14"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2502	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X89	HP77600-B-46 14"	ASSOCIATED PILE & FITTING 800/526-9047	04/12/07	3471	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X89	HP77750-B 14"	ASSOCIATED PILE & FITTING 800/526-9047	08/08/07	2542	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X89	SUPER BITE POINT PAR14T	ASSOCIATED PILE & FITTING 800/526-9047	05/12/11	4366	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED

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02520.10E	PILE TIPS HP14X89	VERSA STEEL VS314-117N	VERSA STEEL 800/678-0814	01/12/06	2773	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
02520.10E	PILE TIPS HP14X89	VERSA STEEL VS314-89N	VERSA STEEL 800/678-0814	03/13/03	2772	Q	LEGIBLY MARK OR TAG W/HEAT OR LOT #  MILL CERTS REQUIRED. CERTIFICATE OF MATERIALS ORIGIN REQUIRED
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
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

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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 LUBRICANT 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	Q	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 LOGAN MATSON 312/545-0920	09/28/05	2949	Q	WHITE, YELLOW, ORANGE, BLUE, & GREEN. (NO FLUORESCENT ORANGE)
02910.20	SIGN SHEETING - TYPE IV ASTM D4956 PRISMATIC	94000 SERIES HIGH INTENSITY MICROPRISMATIC (H.I.M.)	NIPPON CARBIDE 800/821-4264 GEORGE TAMAYORI 562/777-1810	01/03/20	4684	Q	94802 WHITE, 94804 YELLOW, 94805 RED 94806 BLUE, 94807 ORANGE, 94808 GREEN
02910.20	SIGN SHEETING - TYPE IV ASTM D4956 PRISMATIC	AVERY DENNISON T-6500	AVERY DENNISON 800/327-5917	09/08/05	1525	Q	WHITE: T6500, YELLOW: T6501, ORANGE: T6504, RED: T6508, GREEN: T6507, BLUE: T6505, BROWN: T6509

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02910.20	SIGN SHEETING - TYPE IV ASTM D4956 PRISMATIC	ORALITE HI PRISMATIC GRADE SRIES 5900	ORAFOL 860/676-7100	03/26/13	4549	Q	WHITE, YELLOW, GREEN, RED, BLUE, BROWN
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 LOGAN MATSON 312/545-0920	09/08/05	2949	Q	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 LOGAN MATSON 312/545-0920	05/13/10	3115	Q	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	Q	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-11000 (T-11500 SERIES) ASTM TYPE XI	AVERY DENNISON 240/925-6891	01/21/14	4502	Q	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	ORALITE 7900 WIDE ANGLE PRISMATIC	ORAFOL AMERICAS, INC 860/676-7100	12/27/18	5094	Q	WHITE, BLUE, GREEN, YELLOW FLOR. YELLOW GREEN, FLOR. 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	Q	
02910.20	SIGN SHEETING - TYPE IX ASTM D4956 PRISMATIC - FLUORESCENT YELLOW	3-M SERIES 3981	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	12/12/96	2843	Q	
02910.20	SIGN SHEETING - TYPE IX ASTM D4956 PRISMATIC - FLUORESCENT YELLOW-GREEN	3-M SERIES 3983	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	12/12/96	1898	Q	

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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 LOGAN MATSON 312/545-0920	11/09/95	1328	Q	FOR URBAN STREET LEVEL. WHITE 3990, YELLOW 3991, RED 3992, BLUE 3995, GREEN 3997
02910.50	DIGITALLT PRINTED SIGNS TEMPORARY	TRAFFICJET PRO PRINT SYSTEM	AVERY DENNISON REFLECTIVE SOLUTIONS 541/306-1444	03/10/22	5407	A	BLACK INK: UV TJUV03 WITH OR WITH OUT OL-1000 OVERLAY
02910.50	DIGITALLT PRINTED SIGNS TEMPORARY	TRAFFICJET XPERT PRINT SYSTEM	AVERY DENNISON REFLECTIVE SOLUTIONS 541/306-1444	03/10/22	5424	A	BLACK INK: TJ03 WITH OR WITH OUT OL-1000 OVERLAY
02910.60	ELECTRONIC CUTTABLE FILM	OL-2000 OVERLAY SERIES	AVERY DENNISON 240/925-6891	03/27/13	4285	A	
02910.60	ELECTRONIC CUTTABLE FILM ALTERNATIVE FOR SILK SCREENING	3-M SERIES 1170	3-M COMPANY TSSD 800/553-1380 LOGAN MATSON 312/545-0920	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 LOGAN MATSON 312/545-0920	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 LOGAN MATSON 312/545-0920	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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**Appendix A—Approved Reinforcing Steel Producers**

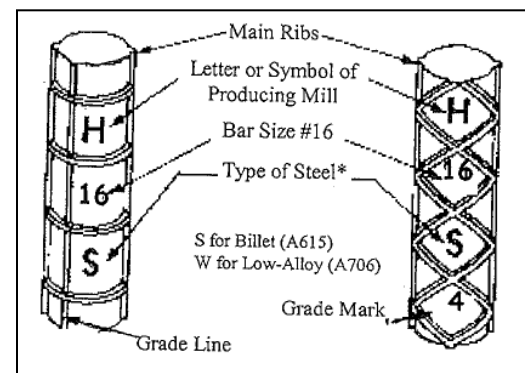
The ASTM specifications for billet-steel and low-alloy reinforcing bars (A615 and A706, respectively) require identification marks to be rolled into the surface of one side of the bar to denote the producer's mill designation, bar size, type of steel and minimum yield designation. Grade 420 bars show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

1<sup>st</sup> ---Producing Mill (usually a letter)

2<sup>nd</sup> --- Bar Size Number (# 4 through # 18)

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

4<sup>th</sup> ---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.



ASTM A615 Grade 60 Bar Sizes 4-18

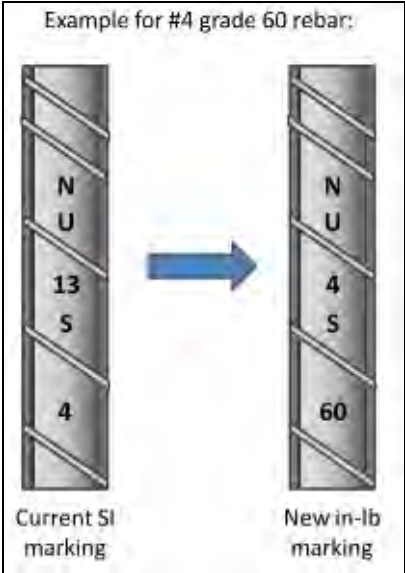


ASTM A706 Grade 60 Bar Sizes 4-18

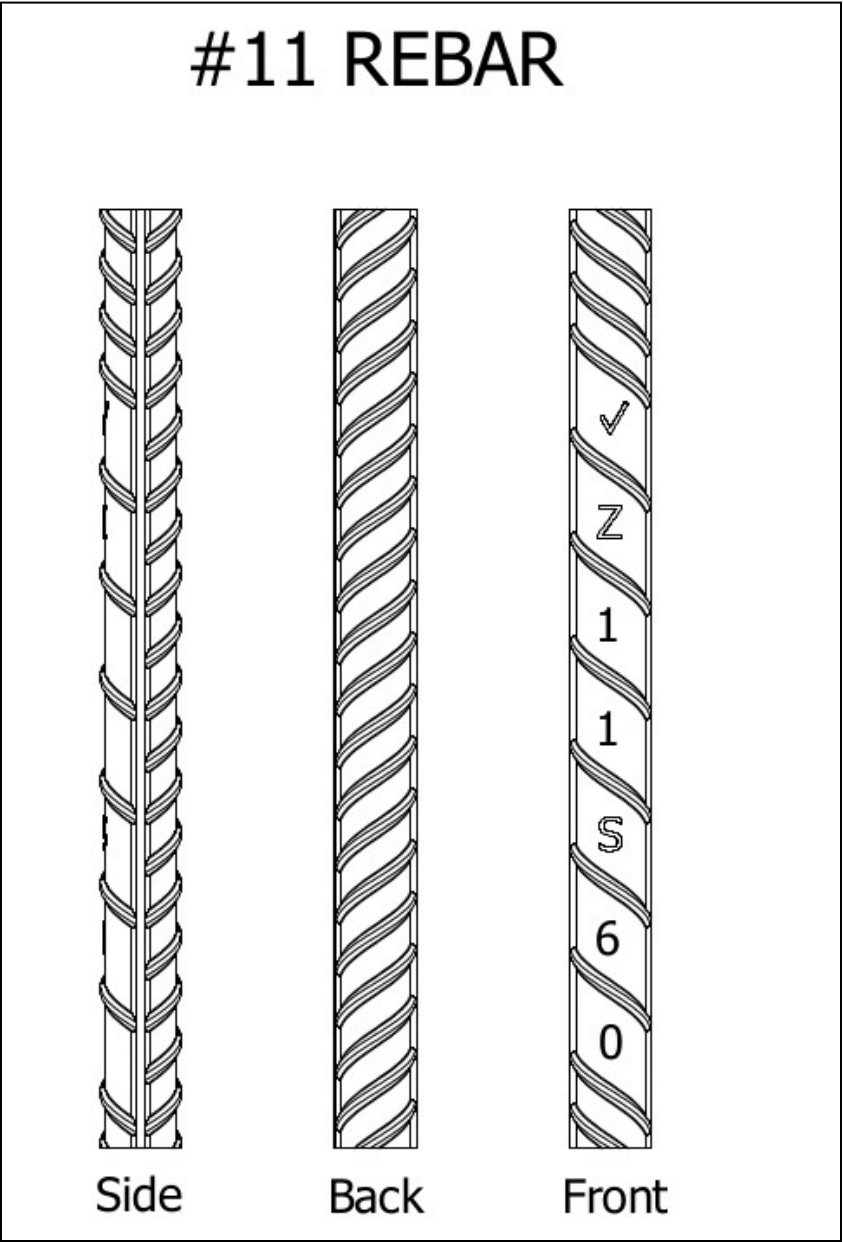


ASTM A706/A615 Grade 60 Bar Sizes 4-18

Vinton Steel-Vinton Texas ODOT # 1841









Nucor Steel Utah ODOT # 1112

















CMC Steel Mesa Arizona ODOT #4118



A615			A706		
Gr 60	Gr 75	Gr 80	Gr 60	Gr 80	A706/A615 Dual
					

Size: 4, 5, 6, 7, 8, 9, 10, 11, 14, 18

Nucor Steel Seattle Washington ODOT # 2935

745-G-100			
			
A615 Gr. 40	A615 Gr. 60	A615/A706 Gr. 60	A615/A706 Gr. 80
			
A615 Gr. 40	A615 Gr. 60	A615/A706 Gr. 60	A615/A706 Gr. 80
			
A615 Gr. 40	A615 Gr. 60	A615/A706 Gr. 60	A615/A706 Gr. 80
			
CSA-G30.18 Gr.400W	CSA-G30.18 Gr.400W		

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 25%;">NO.</td><td style="width: 25%;">REV.</td><td style="width: 25%;">DATE</td><td style="width: 25%;"></td></tr> <tr><td>1</td><td></td><td></td><td></td></tr> </table>	NO.	REV.	DATE		1				VENDOR:  VENDOR DWG. NO.:	<b>OPTIMUS</b> BEAUMONT, TEXAS MILL P.O. BOX 3869 BEAUMONT, TEXAS 77704 (409) 769-1947	TITLE: <b>Rebar Logo Finished Bar with "B"</b>
NO.	REV.	DATE									
1											
PROJECT NO.:      DWG. NO.:      REV.:      SHEET OF SHEETS:		Rebar      745-G-100      0      1 of 1									

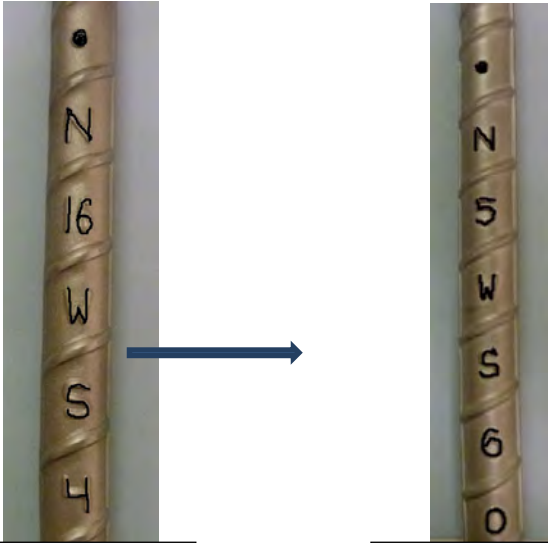
Optimus Beaumont Texas ODOT #4838

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



Cascade Steel Mc-Minnville Oregon  
ODOT # 1111

<b>S</b> GR 60		Bars #3 through #6 only	<b>S</b> GR 75		Bars #14 and #18 only
<b>W</b> GR 60		Bars #3 through #6 only	<b>S</b> GR 80		Bars #3 through #11 only
<b>W</b> GR 60		Bars #14 and #18 only	<b>S</b> GR 80		Bars #14 and #18 only
<b>SW</b> GR 60		Bars #3 through #11 only (#3 through #6 coiled)	<b>W</b> GR 80		Bars #3 through #11 only
<b>SW</b> GR 60		Bars #14 and #18 only	<b>W</b> GR 80		Bars #14 and #18 only
<b>S</b> GR 75		Bars #3 through #11 only (#3 through #6 coiled)	<b>SW</b> GR 80		Bars #3 through #6 coiled



Current SI Marking

New IN-LBS

**NUCOR STEEL – KINGMAN, AZ**  
**ODOT #4356**

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

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

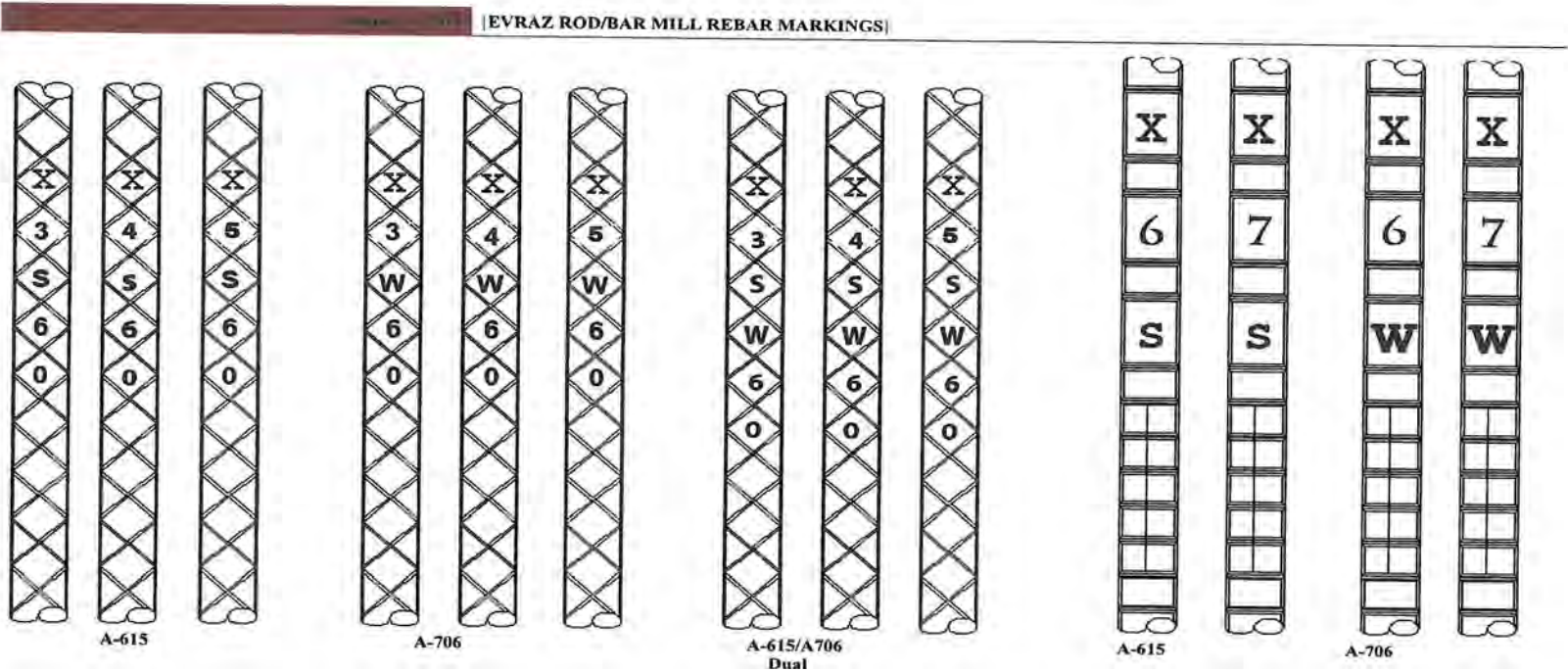


Table-RB-700-8 Rev 2

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



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



CMC Steel Oklahoma  
Durant, OK



**S**  
GR 60



Bars #3 through #18 only

**W**  
GR 60



Bars #3 through #18 only

**S**  
GR 75



Bars #3 through #18 only

**S**  
GR 80



Bars #3 through #18 only

**W**  
GR 80



Bars #3 through #18 only

**S**  
GR 100



Bars #3 through #18 only

CMC STEEL-DURANT OKLAHOMA  
#4-#11 STRAIGHT    #3-#6 COILED  
ODOT #5138

**STEEL DYNAMICS ROANOKE BAR  
DIVISION  
#4-#11 STRAIGHT  
ODOT #5261**





**CMC STEEL FLORIDA**  
**#3-#5 COILED**  
**ODOT #5262**

**CMC STEEL TEXAS**  
**A615 GRADE 60, #3-#11 STRAIGHT**  
**A706 GRADE 60, #3-#11 STRAIGHT**  
**ODOT #5313**



**CMC STEEL SOUTH CAROLINA**  
**A615 GRADE 60, 80, 100 #3-#18 STRAIGHT**  
**A706 GRADE 60, 80 #3-#18 STRAIGHT**  
**ODOT #5263**

**CMC Steel South Carolina**  
 Cayce, SC

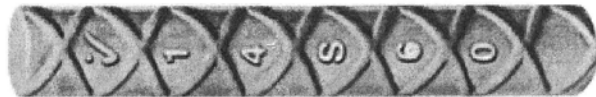


**S**  
 60



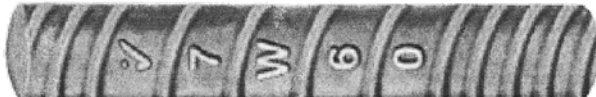
Bars #3 through #11 only

**S**  
 60



Bars #14 and #18 only

**W**  
 60



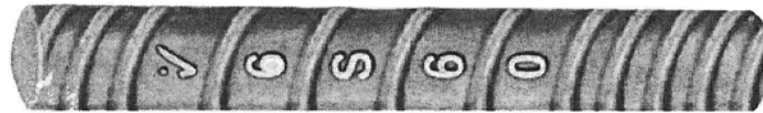
Bars #7 through #11 only

**W**  
 60

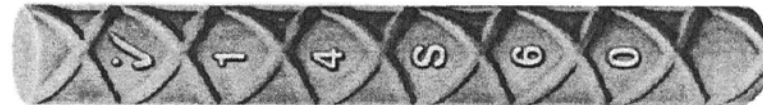


Bars #18 and #18 only

**Commercial Metals Company South Carolina**



Bars #3 through #11 only



Bars #14 and #18 only



Bars #7 through #11 only



Bars #18 and #18 only

## ASTM A1035 CS & CM (AAHSTO M334)

**ChrōmX 9100 CS**  
**SIZE #3-#11**  
**PRODUCED BY:**  
**CASCADE STEEL ROLLING MILLS, INC.**  
**ODOT #3517**

**CS**  




Bars #3 through #9 (#3 through #6 coiled)

**CS**  



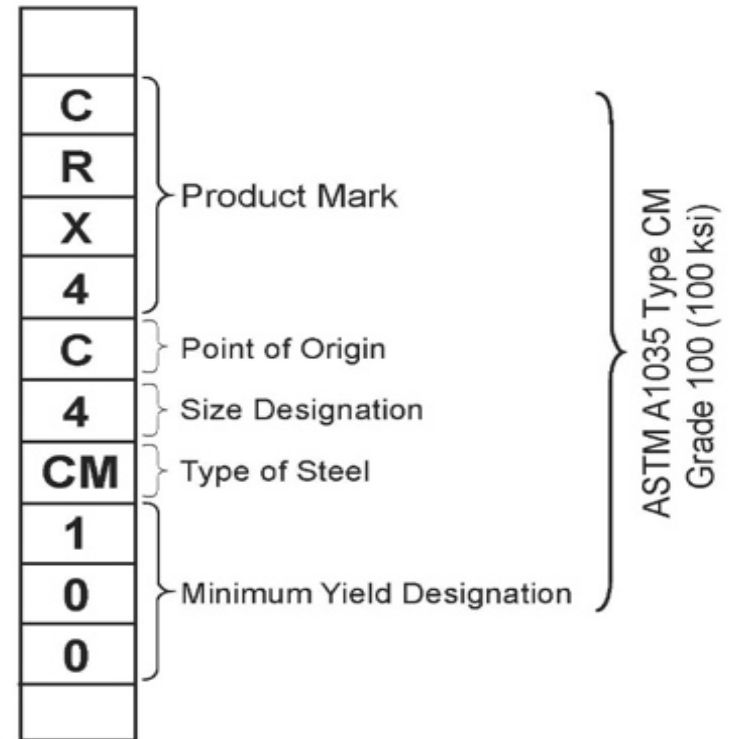

Bars #10 and #11 only

**CS**  

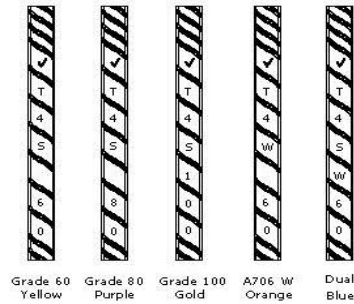



Bars #14 and #18 only

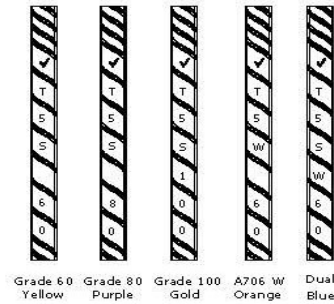
**ChrōmX 4100 CM**  
**SIZE #4-#11**  
**PRODUCED BY:**  
**CASCADE STEEL ROLLING MILLS, INC.**  
**ODOT #5249**



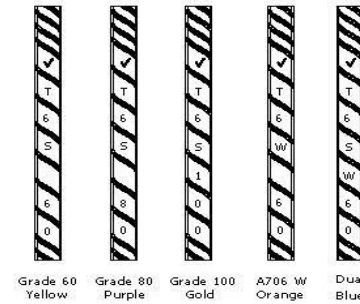
#### #4 REBAR



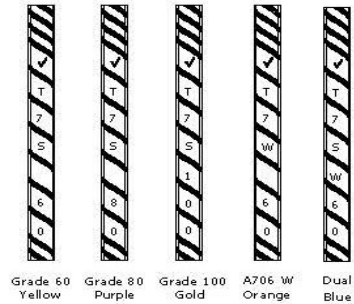
#### #5 REBAR



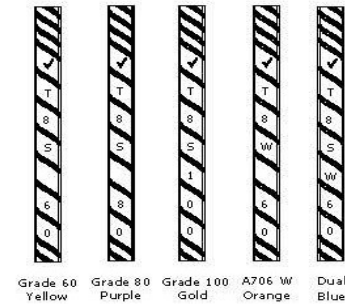
#### #6 REBAR



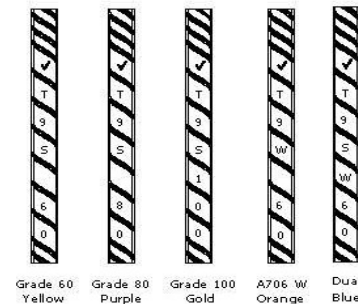
#### #7 REBAR



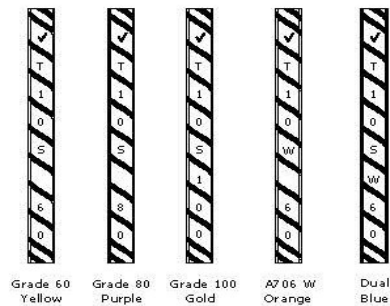
#### #8 REBAR



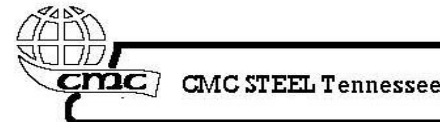
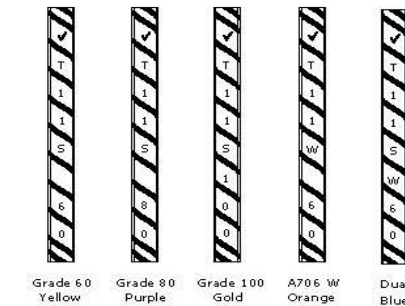
#### #9 REBAR



#### #10 REBAR



#### #11 REBAR



**CMC STEEL TENNESSEE KNOXVILLE**  
**A615 GRADE 60, (#3-#11) A615 GRADE 80, 100 (#4-#11)**  
**A706 GRADE 60, 80 (#3-#11) A615/A706 GRADE 60 (#4-#11)**  
**ODOT #5333**