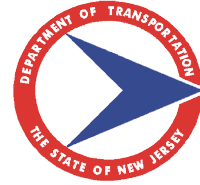


**New Jersey Department of Transportation**  
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## ***Baseline Document Change Announcement***

**ANNOUNCEMENT: BDC18S-13**

**DATE: December 21, 2018**

**SUBJECT: Air-Entraining Admixtures, Plastic Pipe and Timber**  
- **Revision to the 2007 Standard Specifications for Road and Bridge Construction, Subsection 915.05 and Subparts 903.02.01 & 909.02.03.**

Subsection 915.05 and Subparts 903.02.01 & 909.02.03 of the 2007 Standard Specifications for Road and Bridge Construction have been revised to include the requirements for pH test of non-liquid admixtures, AASHTO NTPEP certified manufacturer for plastic drainage pipe, PVC drainage pipe according to AASHTO M 304, timber treatments according to AASHTO M 133 and AWWA Standards, and a provision for the use of uncoated pressure-treated timber.

**The following revisions have been incorporated into the Standard Inputs (SI 2007).**

### **903.02.01 Air-Entraining Admixtures**

THE ENTIRE SUBPART IS CHANGED TO:

Use air-entraining admixtures for concrete that are listed on the QPL and conform to AASHTO M 154, except that the tests for bleeding and volume change are not required.

The ME will test for uniformity through the use of infrared spectrophotometry, pH values, solids content, and specific gravity for liquid admixtures.

For pH test of non-liquid admixture, dissolve 1.28 grams of powder in 128 milliliter of distilled water. Keep all bulk storage tanks inside a heated area with an ambient temperature of not less than 32 °F. Do not reuse air-entraining admixture that has been allowed to freeze until it has been agitated and retested.

### **909.02.03 Plastic Drainage Pipe**

THE ENTIRE SUBPART IS CHANGED TO:

Use corrugated polyethylene drainage pipe according to AASHTO M 252, or use PVC drainage pipe according to AASHTO M 304.

Use plastic drainage pipe from a manufacturer who is an AASHTO NTPEP (National Transportation Product Evaluation Program) certified manufacturer. For a list of NTPEP certified manufacturer, see the following webpage: <https://data.ntpep.org/>.

Submit a certification of compliance, as specified in [106.07](#), for plastic drainage pipe.

**915.05 TIMBER TREATMENT**

THE ENTIRE SUBSECTION IS CHANGED TO:

Treat wood species according to AASHTO M 133 and AWPA Standards U1-11 and T1-11 as summarized in [Table 915.05-1](#), [Table 915.05-2](#), and [Table 915.05-3](#).

<b>915.05-1 Treatment for Sawn Timber Posts</b>			
<b>Type of Wood</b>	<b>Location/Environment</b>	<b>AASHTO Treatments</b>	<b>AWPA Standard Reference for Minimum Retention Level</b>
Southern Pine	Soil or Fresh Water	CCA or Pentachlorophenol	UC4A
Douglas Fir	Soil or Fresh Water	ACZA	UC4A

<b>915.05-2 Treatment for Round Timber Piles</b>			
<b>Type of Wood</b>	<b>Location/Environment</b>	<b>AASHTO Treatments</b>	<b>AWPA Standard Reference for Minimum Retention Level</b>
Southern Pine	Soil or Fresh Water	CCA	UC4C
Southern Pine	Marine	CCA	UC5B
Douglas Fir	Soil or Fresh Water	ACZA	UC4C
Douglas Fir	Marine	ACZA	UC5B

<b>915.05-3 Treatment for Timber Sheet Piling and Timber for Structures</b>			
<b>Type of Wood</b>	<b>Location/Environment</b>	<b>AASHTO Treatments</b>	<b>AWPA Standard Reference for Minimum Retention Level</b>
Southern Pine	Soil or Fresh Water	CCA, or Pentachlorophenol	UC4B
Southern Pine	Marine	CCA	UC5B
Douglas Fir	Soil or Fresh Water	ACZA	UC4B
Douglas Fir	Marine	ACZA	UC5B

Notify the ME at least 14 days before treating timber. If directed by the ME, perform an assay to determine the retention of preservative according to AASHTO M 133. Submit certification of compliance as specified in [106.07](#). Attach the assay report to the certification.


The use of uncoated pressure-treated timber using the above timber treatments, as specified in [Tables 915.05-1](#), [915.05-2](#), and [915.05-3](#), may not be permitted in areas containing shellfish or submerged aquatic vegetation, or in other environmental sensitive areas. Alternative materials, such as plastic, natural cedar or other untreated wood, polymer coated pressure-treated wood, concrete or other inert products, may be required by regulatory agencies. Prior to using treated timber products, contact the NJDOT Bureau of Landscape Architecture and Environmental Solutions or the Division of Environmental Resources, as appropriate.

Lumber products smaller than 5 inch by 5 inch, as specified in [Tables 915.05-1](#), [915.05-2](#), and [915.05-3](#), must be pressure treated according to current AWPA or AASHTO M 133 standards. Preservatives are subject to EPA Guidelines 2004 with restricted use of CCA preservatives.

**Implementation Code R (ROUTINE)**

Changes must be implemented in all applicable Department projects scheduled for Final Design Submission at least one month after the date of the BDC announcement. This will allow designers to make necessary plan, specifications, and estimate/proposal changes without requiring the need for an addenda or postponement of advertisement or receipt of bids.

**Recommended By:**



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Paul F. Schneider  
Director  
Capital Program Support

**Approved By:**



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Snehal Patel, P.E., PMP  
Assistant Commissioner  
Capital Program Management  
and State Transportation Engineer

PS: NP: HP