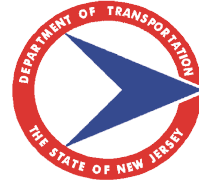


New Jersey Department of Transportation

1035 Parkway Avenue, PO Box 600, Trenton, New Jersey 08625-0600



Baseline Document Change Announcement

6" Traffic Stripes

BDC07S-04

September 13, 2007

SUBJECT: Revision to Subsections 618.04, 618.06, 618.10, 618.14 & 618.15 of the 2001 Standard Specifications and 912.12 as it appears in 2001 Standard Inputs in both English and Metric units regarding Traffic Stripes

**REFERENCE: Design Manual-Roadway- Section 14-06 (Traffic Stripes and Traffic Markings) in Metric and English units
BDC07MR-03, dated September 14, 2007**

Subsections 618.04, 618.06, 618.10, 618.14 & 618.15, & 912.12 have been revised to specify the use of 6" wide longitudinal permanent traffic stripes on interstate highways for enhanced visibility and safety. The use of current 4" wide longitudinal traffic stripes will continue on non-interstate roadways. To allow the use of both, the new pay item description will include a blank for the designers to select the correct width of the longitudinal stripes. The pay item "Traffic Stripes, Liquid Systems" and pay items for Preformed Tape have been deleted.

This BDC must be read in conjunction with the referenced BDC for the corresponding changes to the Roadway Design Manual.

BDC04S-03 dated October 19, 2004 entitled "Durable Traffic Stripes and Traffic Markings" is hereby superseded.

The following revisions have been incorporated in both the English unit *Standard Input SI2001E1* and Metric unit *Standard Input SI2001M1* as of September 13, 2007.

The following revisions are incorporated in the English unit *Standard Input SI2001E1*:

SECTION 618 - TRAFFIC STRIPES AND MARKINGS

618.04 Determination of Acceptability.

THE FOURTH PARAGRAPH IS CHANGED TO:

The Contractor shall furnish a LTL-2000 Retrometer for the Engineer's use in determining the retroreflectance values of the various traffic stripes or traffic markings. This equipment is for the sole use of the Engineer and will become the property of the Contractor after Acceptance.

618.06 Traffic Stripes or Traffic Markings.

2. Alkyd Traffic Paint.

THIS SUBPART IS DELETED.

618.10 Defective Stripes or Markings.

STEP 2 OF SUBPART 2 IN THE THIRD PARAGRAPH IS CHANGED TO:

Step 2: All retroreflectance measurements taken with a LTL-2000 Retrometer will be made on a clean, dry surface.

THE LAST PARAGRAPH IS CHANGED TO:

At no Additional Compensation, the Contractor shall remove all traffic paint where the striping or markings will not be directly under long-life material, replace long-life traffic stripes or traffic markings damaged due to any sawing or sealing of joints in the HMA overlay, and replace all existing pavement reflectors that have been marred by striping or marking material as a result of improperly located traffic stripes or traffic markings.

618.14 Method of Measurement.

THE FOLLOWING IS ADDED TO THE END OF THE FIRST PARAGRAPH:

Traffic stripes designated 6” wide will be measured by the linear foot for each 6-inch width of actual stripe. Gaps will not be counted.

618.15 Basis of Payment.

THE FOLLOWING PAY ITEM IS CHANGED TO:

<i>Pay Item</i>	<i>Pay Unit</i>
TRAFFIC STRIPES, LONG-LIFE, EPOXY RESIN, _____ INCHES	LINEAR FOOT

912.12 Removable Wet Weather Pavement Marking Tape and Removable Black Line Masking Tape.

A. Removable Wet Weather Pavement Marking Tape.

REPLACE THE THIRD PARAGRAPH IN THE SI WITH THE FOLLOWING:

When measured with a LTL-2000 Retrometer, the tape shall have initial, minimum retroreflectance values conforming to:

Dry Condition – ASTM D 4061

Entrance Angle = 88.76°

Observation Angle (Degrees)	Specific Luminance	
	White [mcd·m ⁻² /(lx)] (Millicandelas per square meter per lux)	Yellow [mcd·m ⁻² /(lx)] (Millicandelas per square meter per lux)
1.05	500	300

Continuous Wet Condition – ASTM E 2176

Entrance Angle = 88.76°

Observation Angle (Degrees)	Specific Luminance	
	White [mcd·m ⁻² /(lx)] (Millicandelas per square meter per lux)	Yellow [mcd·m ⁻² /(lx)] (Millicandelas per square meter per lux)
1.05	350	250

The following revisions are incorporated in the Metric unit *Standard Input SI2001M1*:

SECTION 618 - TRAFFIC STRIPES AND MARKINGS

618.04 Determination of Acceptability.

THE FOURTH PARAGRAPH IS CHANGED TO:

The Contractor shall furnish a LTL-2000 Retrometer for the Engineer’s use in determining the retroreflectance values of the various traffic stripes or traffic markings. This equipment is for the sole use of the Engineer and will become the property of the Contractor after Acceptance.

618.06 Traffic Stripes or Traffic Markings.

2. Alkyd Traffic Paint.

THIS SUBPART IS DELETED.

618.10 Defective Stripes or Markings.

STEP 2 OF SUBPART 2 IN THE THIRD PARAGRAPH IS CHANGED TO:

Step 2: All retroreflectance measurements taken with a LTL-2000 Retrometer will be made on a clean, dry surface.

THE LAST PARAGRAPH IS CHANGED TO:

At no Additional Compensation, the Contractor shall remove all traffic paint where the striping or markings will not be directly under long-life material, replace long-life traffic stripes or traffic markings damaged due to any sawing or sealing of joints in the HMA overlay, and replace all existing pavement reflectors that have been marred by striping or marking material as a result of improperly located traffic stripes or traffic markings.

618.14 Method of Measurement.

THE FOLLOWING IS ADDED TO THE END OF THE FIRST PARAGRAPH:

Traffic stripes designated 150 MM wide will be measured by the linear meter for each 150 MM width of actual stripe. Gaps will not be counted.

618.15 Basis of Payment.

THE FOLLOWING PAY ITEM IS CHANGED TO:

<i>Pay Item</i>	<i>Pay Unit</i>
TRAFFIC STRIPES, LONG-LIFE, EPOXY RESIN, _____MM	LINEAR METER

912.12 Removable Wet Weather Pavement Marking Tape and Removable Black Line Masking Tape.

A. Removable Wet Weather Pavement Marking Tape.

REPLACE THE THIRD PARAGRAPH IN THE SI WITH THE FOLLOWING:

When measured with a LTL-2000 Retrometer, the tape shall have initial, minimum retroreflectance values conforming to:

Dry Condition – ASTM D 4061

Entrance Angle = 88.76°

Observation Angle	Specific Luminance	
(Degrees)	White	Yellow
	[mcd m ⁻² /(lx)]	[mcd m ⁻² /(lx)]
	(Millicandelas per square meter per lux)	(Millicandelas per square meter per lux)

1.05	500	300
Continuous Wet Condition – ASTM E 2176		
Entrance Angle = 88.76°		
Observation Angle	Specific Luminance	
(Degrees)	White	Yellow
	(Millicandelas per square meter per lux)	(Millicandelas per square meter per lux)
1.05	350	250

Instructions to Designers

For your convenience the new pay item number are as follows:

Pay Item Number	Pay Item	Pay Unit
6R26M	TRAFFIC STRIPES, LONG-LIFE, EPOXY RESIN, <u>4</u> INCHES	LINEAR FOOT
6R26P	TRAFFIC STRIPES, LONG-LIFE, EPOXY RESIN, <u>6</u> INCHES	LINEAR FOOT
Non-Standard	TRAFFIC STRIPES, LONG-LIFE, EPOXY RESIN, <u>100</u> MM	LINEAR METER
Non-Standard	TRAFFIC STRIPES, LONG-LIFE, EPOXY RESIN, <u>150</u> MM	LINEAR METER

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:

ORIGINAL SIGNED

 Steve Lavelle
 Executive Manager,
 Quality Management Services

Approved By:

ORIGINAL SIGNED

 Richard T. Hammer
 Assistant Commissioner,
 Capital Program Management

LDR: KS: HYP
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