

**PROJECT SPECIAL PROVISIONS**

**ROADWAY**

**CLEARING AND GRUBBING – METHOD III:**

(4-6-06)

SP2 R02

Perform clearing on this project to the limits established by Method “III” shown on Standard No. 200.02 of the *Roadway Standard Drawings*.

**BURNING RESTRICTIONS:**

(7-1-95)

SP2 R05

Open burning is not permitted on any portion of the right-of-way limits established for this project. Do not burn the clearing, grubbing or demolition debris designated for disposal and generated from the project at locations within the project limits, off the project limits or at any waste or borrow sites in this county. Dispose of the clearing, grubbing and demolition debris by means other than burning, according to state or local rules and regulations.

**REMOVAL OF EXISTING ASPHALT MATERIAL IN SIGN BLOCKOUTS:**

11-7-06

SPI

**Description**

The Contractor shall remove the existing asphalt material in sign blockouts in concrete islands within the project limits as directed by the Engineer.

**Construction Methods**

The Contractor shall remove the asphalt material by any means necessary without causing damage to the existing concrete islands. The Contractor shall utilize equipment and methods that will not cause any section of the islands to become unstable. All damage caused or instability of the existing island to the Contractors choice of equipment or construction methods shall be repaired to the satisfaction of the Engineer at no cost to the Department.

No separate payment shall be made for removal of asphalt in sign blockouts in concrete islands. As such work shall be incidental to the contract pay item for “5” Monolithic Concrete Islands (Keyed In)”.

**PERMANENT SOIL REINFORCEMENT MAT:**

**General:**

This work shall consist of furnishing and placing "Permanent Soil Reinforcement Mat", of the type specified, over previously prepared areas as directed by the Engineer.

**Materials:**

The product shall be permanent erosion control reinforcement mat and shall be constructed of 100% coconut fiber stitch bonded between a heavy duty UV stabilized cusped (crimped) netting overlaid with a heavy duty UV stabilized top net. The three nettings shall be stitched together on 1.5 inch centers UV stabilized polyester thread to form a permanent three dimensional structure. The mat shall have the following physical properties:

Property	Test Method	Value	Unit
Ground Cover	Image Analysis	93	%
Thickness	ASTM D1777	0.63	in
Mass Per Unit Area	ASTM D3776	0.92	lb/sy
Tensile Strength	ASTM D5035	480	lb/ft
Elongation	ASTM D5035	49	%
Tensile Strength	ASTM D5035	960	lb/ft
Elongation	ASTM D5035	31	%
Tensile Strength	ASTM DI682	177	lbs
Elongation	ASTM DI682	22	%
Resiliency	ASTM DI777	>80	%
UV Stability*	ASTM D4355	151	lbs
Color (Permanent Net)		UV Black	
Porosity (Permanent Net)	Calculated	>95	%
Minimum Filament Diameter (Permanent Net)	Measured	0.03	in

\*ASTM D1682 Tensile Strength and % strength retention of material after 1000 hours of exposure in a Xenon-arc weatherometer

A certification (Type 1, 2, or 3) will be required from the manufacturer showing:

- 1) the chemical and physical properties of the mat used
- 2) conformance of the mat with this specification

**Soil Preparation:**

All areas to be protected with the mat shall be brought to final grade and seeded in accordance with Section 1660. The surface of the soil shall be smooth, firm, stable, and free of rocks, clods, roots, or other obstructions which would prevent the mat from lying in direct contact with the soil surface. Areas where the mat is to be placed will not need to be mulched.

**Measurement:**

The quantity of "Permanent Soil Reinforcing Mat" to be paid for shall be the actual number of square yards, surface measure, completed, and accepted. Overlaps will not be included in the measurement, and will be considered as incidental to the work.

Basis of Payment:

This work will be paid for at the contract unit price per square meter for "Permanent Soil Reinforcing Mat" of the type specified, complete in place and accepted. Such payment shall be full compensation for furnishing and installing the mat in accordance with this specification. and' for all required maintenance.

Payment will be made under:

Permanent Soil Reinforcing Mat ..... Square Yard

**GEOGRID REINFORCED SLOPE:**

1. DESCRIPTION

This work consists of furnishing and installing geogrid reinforcement for stabilizing the steepened embankment slope in accordance with these provisions and the plans and as directed by the Engineer. Geogrid reinforcement shall be used on the left side of the embankment from Station 11 + 95± -L- to Station 13 + 50± -L-, where the slope is steeper than 2: 1. Special erosion control will be required on the face of the steepened slope; see plans and Permanent Soil Reinforced Mat special provision for erosion control. A preconstruction conference shall be scheduled with representatives of the Contractor, Resident Engineer, Roadside Environment Unit, and Geotechnical Engineering Unit to discuss construction details and quality control measures.

2. MATERIALS

2.1 Geogrid

The geogrid shall be composed of polypropylene, high density polyethylene or polyester. The geogrid shall be a regular network of integrally connected elements with aperture geometry sufficient to permit significant mechanical interlock with the surrounding soil. The geogrid shall have high flexural rigidity and high tensile modulus in relation to the soil being reinforced and shall also have a high continuity of tensile strength through all of its elements. The geogrid shall be dimensionally stable and able to retain its geometry under construction stresses. The material shall have high resistance to ultraviolet degradation and to all forms of chemical and biological degradation encountered in the soil being reinforced.

The Contractor shall furnish a Type 2 Typical Certified Mill Test Report for the geogrid in accordance with Section 106-3 of the NCDOT Standard Specifications; however, the material shall be subject to inspection, test, or rejection by the Engineer at any time.

### 2.1.1 Ultimate Tensile Strength (TULT)

Ultimate tensile strength shall be determined in accordance with ASTM D 4595 Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method or GRI:GGI Geogrid Single Rib Tensile Strength (GRI refers to Geosynthetic Research Institute).

The geogrid shall provide a minimum tensile strength of 700 pound per foot at five (5) percent strain and a minimum ultimate tensile strength of 1300 pound per foot determined in accordance with ASTM D 4595. These strength values are in the cross-machine direction (i.e., cross-roll direction).

### 2.2 Select Granular Material

Select granular material shall be Select Material Class II or III in Section 1016 of the NCDOT Standard Specifications.

## 3. CONSTRUCTION

During all periods of shipment and storage, the geogrid shall be protected from temperatures greater than 140° F, direct sunlight, mud, wet cement, epoxy, or other materials which may alter its physical properties. At the time of installation, the geogrid shall be rejected if it has defects, tears, punctures, flaws, deterioration or damage incurred during manufacturing, transportation or storage. Any geogrid damaged during storage or installation shall be replaced by the Contractor at no additional cost to the Department.

The proper geogrid shall be placed and pulled tight at the proper location and orientation as shown on the plans and as directed by the Engineer. Correct orientation (machine direction) of the geogrid shall be verified by the Contractor. The geogrid shall be secured in-place' to prevent movement during fill operations. The geogrid shall be secured with staples, pins, sandbags, or fill, or as directed by the Engineer.

The first layer of the geogrid shall be placed on the existing ground surface by a length of 155 feet with machine direction (roll direction) parallel to the roadway center-line. Subsequent layers of geogrid shall be placed horizontally as shown on the plans and as directed by the Engineer. Spacing between geogrid layers is as shown on the plan elevation view. Spacing between geogrid layers is typically 18 inches. Tolerance in spacing of geogrid layers shall be within two inches at any place unless otherwise noted in the plans.

The geogrid shall be placed in continuous strips in the direction specified in the plans. No overlaps or connections shall be permitted in the geogrid layers in the direction perpendicular to the roadway centerline (see details in the plan). Adjacent rows of geogrid, in the direction parallel to the centerline of roadway, shall be joined by either a secure mechanical connection or a minimum of 12 inches of overlap. Mechanical connections shall use a polymer bar, sewing with Kevlar thread, or other methods approved by the Engineer.

Select granular material fill is used on top of each geogrid layer to the limits shown on the plans (typically 4.5 feet from the face of the slope). Placement and compaction of select granular material fill shall conform to all applicable requirements of the NCDOT Standard Specifications. The fill shall be placed, spread, and compacted in a manner that prevents the development of wrinkles or movement of the geogrid. No equipment shall be allowed to operate directly on the geogrid. A minimum fill thickness of six inches is required prior to operation of any equipment or vehicle over the geogrid. Turning of vehicles shall be kept to a minimum, and sudden braking and sharp turning shall be avoided. Damaged geogrids shall be replaced at no cost to the Department.

4. FACE OF SLOPE

Each layer of geogrid must be exposed on the face of the slope before placing erosion control matting. Overbuilding of the slope face is acceptable, but excavation to expose the geogrid is required without damaging the geogrid to place erosion control matting. See the Erosion Control plans and special provisions for details of material and construction requirements.

5. METHOD OF MEASUREMENT

The quantity of geogrid to be paid for will be the total number of square yards of geogrid correctly placed in the completed embankment as shown on the plans or as directed by the Engineer. No separate measurement will be made of overlapping geogrid for payment purposes.

The quantity of select granular material fill to be paid for will be the actual number of cubic yards of approved material measured in-place which has been incorporated into the completed embankment.

6. BASIS OF PAYMENT

The quantity of geogrid, measured as provided above, will be paid for at the contract unit price per square yard for "Geogrid Reinforcement", respectively.

The quantity of select granular material fill, measured as provided above, will be paid for at the contract unit price per cubic yard for "Select Granular Material".

Such prices and payments will be full compensation for all the- work required by this provision including but not limited to: furnishing all materials, labor, equipment, and tools; placing and installing geogrids; hauling, placing and compacting select granular material fill; and all incidentals necessary to complete the work.

Pay Items:

Geogrid Reinforcement .....	Square Yard
Select Granular Material .....	Cubic Yard

**SHALLOW UNDERCUT:**

(2-19-02) (Rev 7-18-06)

SP2 R35

Perform undercut excavation and place a combination of fabric for soil stabilization and Class IV Subgrade Stabilization at locations as directed. Work includes performing undercut excavation, disposing of unsuitable material, furnishing and placing fabric for soil stabilization; and furnishing, placing and compacting Class IV Subgrade Stabilization.

**Materials**

<b>Item</b>	<b>Section</b>
Fabric for Soil Stabilization	270
Class IV Subgrade Stabilization	1016-3, Class IV, or Material meeting gradation requirements of Table 520-1, Column C

**Construction Methods**

Perform undercut excavation in accordance with Section 225 and/or Section 226.

Place fabric for soil stabilization in accordance with Section 270.

Place Class IV Subgrade Stabilization by back dumping material on previously placed fabric.

Compact material to 95% of AASHTO T-99, Method "D" density or compact material to the highest density that can be reasonably obtained.

**Measurement and Payment**

*Undercut Excavation* will be measured and paid for in accordance with Section 225 and/or Section 226 of the *Standard Specifications*.

*Fabric for Soil Stabilization* will be measured and paid for in accordance with Article 270-4 of the *Standard Specifications*.

*Class IV Subgrade Stabilization*, as accepted in place, will be measured and paid for by the ton in accordance with Section 106-7 of the *Standard Specifications*.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Undercut Excavation	Cubic Yard
Fabric for Soil Stabilization	Square Yard
Class IV Subgrade Stabilization	Ton

**SHOULDER AND FILL SLOPE MATERIAL (Lump Sum Grading):**

(5-21-02)

SP2 R45

**Description**

Perform the required shoulder and slope construction for this project in accordance with the applicable requirements of Section 226 of the *Standard Specifications* except as follows:

Construct the top 6 inches of shoulder and fill slopes with soils capable of supporting vegetation.

Provide soil with a P.I. greater than 6 and less than 25 and with a pH ranging from 5.5 to 6.8. Remove stones and other foreign material 2 inches or larger in diameter. All soil is subject to test and acceptance or rejection by the Engineer.

Obtain material from within the project limits or approved borrow source.

**Measurement and Payment**

No direct payment will be made for this work, as the cost of this work will be considered to be a part of the work being paid for at the contract lump sum price for *Grading*.

**PIPE ALTERNATES:**

(7-18-06)

SP3 R35

**Description**

The Contractor may substitute Aluminized Corrugated Steel Pipe, Type IR or HDPE Pipe, Type S or Type D up to 48 inches in diameter in lieu of concrete pipe in accordance with the following requirements.

**Material**

<b>Item</b>	<b>Section</b>
HDPE Pipe, Type S or D	1044-7
Aluminized Corrugated Steel Pipe, Type IR	1032-3(A)(7)

Aluminized Corrugated Steel Pipe will not be permitted in counties listed in Article 310-2 of the *Standard Specifications*.

**Construction Methods**

Aluminized Corrugated Steel Pipe Culverts and HDPE Pipe Culverts shall be installed in accordance with the requirements of Section 300 of the *Standard Specifications* for Method A, except that the minimum cover shall be at least 12 inches. Aluminized Corrugated Steel Pipe Culvert and HDPE Pipe Culvert will not be permitted for use under travelways, including curb and gutter.

**Measurement and Payment**

The quantity of \_\_\_\_ "Aluminized Corrugated Steel Pipe Culvert to be paid for will be the actual number of linear feet installed and accepted. Measurement will be in accordance with Section 310-6 of the *Standard Specifications*.

The quantity of \_\_\_\_ "HDPE Pipe Culvert to be paid for will be the actual number of linear feet installed and accepted. Measurement will be in accordance with Section 310-6 of the *Standard Specifications*.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
____ " Aluminized Corrugated Steel Pipe Culverts, ____ " Thick	Linear Foot
____ " HDPE Pipe Culverts	Linear Foot

**ASPHALT PAVEMENTS - SUPERPAVE:**

(7-18-06) (Rev 9-19-06)

SP6 R01

Revise the *2006 Standard Specifications* as follows:

Page 6-2, Article 600-9 Measurement and Payment

Delete the second paragraph.

Page 6-12, 609-5(C)2(c) add after (AASHTO T 209):

*or ASTM D 2041*

Page 6-13, last line on page & Page 6-14, Subarticle 609-5(C)(2)(e), delete and substitute the following:

(e) Retained Tensile Strength (TSR) - (AASHTO T 283 Modified), add subarticle (1) Option 1 before the first paragraph.

(1) Option 1

Add subarticle (2) Option 2 and the following sentence as the first sentence of the second paragraph:

(2) Option 2

Mix sampled from truck at plant with one set of specimens prepared by the Contractor and then tested jointly by QA and QC at a mutually agreed upon lab site within the first 7 calendar days after beginning production of each new mix design.

Page 6-28, 610-3(A) Mix Design-General, third sentence of the fourth paragraph:

Substitute 20% for 15%

First, second and third sentences of the fifth paragraph:

Substitute 20% for 15%

Page 6-44, 610-8, third full paragraph, replace the first sentence with the following:

Use the 30 foot minimum length mobile grade reference system or the non-contacting laser or sonar type ski *with at least four referencing stations mounted on the paver at a minimum length of 24 feet* to control the longitudinal profile when placing the initial lanes and all adjacent lanes of all layers, including resurfacing and asphalt in-lays, unless otherwise specified or approved.

Page 6-54, Article 620-4, add the following pay item:

<b>Pay Item</b>	<b>Pay Unit</b>
Asphalt Binder for Plant Mix, Grade PG 70-28	Ton

Page 6-69, Table 660-1 **Material Application Rates and Temperatures**, add the following:

Type of Coat	Grade of Asphalt	Asphalt Rate gal/yd <sup>2</sup>	Application Temperature °F	Aggregate Size	Aggregate Rate lb./sq. yd. Total
Sand Seal	CRS-2 or CRS-2P	0.22-0.30	150-175	Blotting Sand	12-15

Page 6-75, 660-9(B), add the following as sub-item (5)

(5) Sand Seal

Place the fully required amount of asphalt material in one application and immediately cover with the seal coat aggregate. Uniformly spread the fully required amount of aggregate in one application and correct all non-uniform areas prior to rolling.

Immediately after the aggregate has been uniformly spread, perform rolling.

When directed, broom excess aggregate material from the surface of the seal coat.

When the sand seal is to be constructed for temporary sealing purposes only and will not be used by traffic, other grades of asphalt material meeting the requirements of Articles 1020-6 and 1020-7 may be used in lieu of the grade of asphalt required by Table 660-1 when approved.

Page 10-41, Table 1012-1, add the following:

Mix Type	Course Aggregate Angularity <sup>(b)</sup> ASTM D5821	Fine Aggregate Angularity % Minimum AASHTO T304 Method A	Sand Equivalent % Minimum AASHTO T176	Flat & Elongated 5:1 Ratio % Maximum ASTM D4791 Section 8.4
S 9.5 D	100/100	45	50	10

Page 10-45, Replace Table 1012-2 with the following:

**TABLE 1012-2**  
**NEW SOURCE RAP GRADATION and BINDER TOLERANCES**  
 (Apply Tolerances to Mix Design Data)

Mix Type	0-20% RAP			21-25% RAP			26%+ RAP		
	Base	Inter.	Surf.	Base	Inter.	Surf.	Base	Inter.	Surf.
P <sub>b</sub> , %		± 0.7%			± 0.4%			± 0.3%	
1 1/2" (37.5)	±10	-	-	±7	-	-	±5	-	-
3/4" (19.0)	±10	±10	-	±7	±7	-	±5	±5	-
1/2" (12.5)	-	±10	±6	-	±7	±3	-	±5	±2
3/8" (9.5)	-	-	±8	-	-	±5	-	-	±4
No. 4 (4.75)	±10	-	±10	±7	-	±7	±5	-	±5
No. 8 (2.36)	±8	±8	±8	±5	±5	±5	±4	±4	±4
No.16 (1.18)	±8	±8	±8	±5	±5	±5	±4	±4	±4
No. 30 (0.600)	±8	±8	±8	±5	±5	±5	±4	±4	±4
No. 50 (0.300)	-	-	±8	-	-	±5	-	-	±4
No. 200 (0.075)	±4	±4	±4	±2	±2	±2	±1.5	±1.5	±1.5

**ASPHALT BINDER CONTENT OF ASPHALT PLANT MIXES:**

(11-21-00)

SP6 R15

The approximate asphalt binder content of the asphalt concrete plant mixtures used on this project will be as follows:

Asphalt Concrete Base Course	Type B 25.0__	4.3%
Asphalt Concrete Intermediate Course	Type I 19.0__	4.7%
Asphalt Concrete Surface Course	Type S 4.75A	7.0%
Asphalt Concrete Surface Course	Type SF 9.5A	6.5%
Asphalt Concrete Surface Course	Type S 9.5__	6.0%
Asphalt Concrete Surface Course	Type S 12.5__	5.5%

The actual asphalt binder content will be established during construction by the Engineer within the limits established in the *Standard Specifications*.

**PRICE ADJUSTMENT - ASPHALT BINDER FOR PLANT MIX:**

(11-21-00)

SP6 R25

Price adjustments for asphalt binder for plant mix will be made in accordance with Section 620 of the *Standard Specifications*.

The base price index for asphalt binder for plant mix is \$ 307.86 per ton.

This base price index represents an average of F.O.B. selling prices of asphalt binder at supplier's terminals on **February 1, 2007**.

**CONVERT EXISTING JUNCTION BOX TO DROP INLET:**

(1-1-02) (Rev. 7-18-06)

SP8 R50

At the proper phase of construction, convert the existing junction box at locations indicated in the plans or where directed, to drop inlet in accordance with the details in the plans and the applicable requirements of Sections 840 and 859 of the *Standard Specifications*.

*Convert Existing junction box to drop inlet* will be measured and paid for as each, completed and accepted. Such price and payment is considered full compensation for all equipment, materials, labor, tools, and incidentals necessary to complete each conversion satisfactorily.

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit</b>
Convert Existing Junction Box to Drop Inlet	Each

**FENCE:**

(3-6-06)

SP8 R86

Revise the *2006 Standard Specifications* as follows:

Page 8-54, Subarticle 866-3(A), second sentence,

Add *existing fencing* after stumps

**STREET SIGNS AND MARKERS AND ROUTE MARKERS:**

(7-1-95)

SP9 R01

Move any existing street signs, markers, and route markers out of the construction limits of the project and install the street signs and markers and route markers so that they will be visible to the traveling public if there is sufficient right of way for these signs and markers outside of the construction limits.

Near the completion of the project and when so directed by the Engineer, move the signs and markers and install them in their proper location in regard to the finished pavement of the project.

Stockpile any signs or markers that cannot be relocated due to lack of right of way, or any signs and markers that will no longer be applicable after the construction of the project, at locations directed by the Engineer for removal by others.

The Contractor will be responsible to the owners for any damage to any street signs and markers or route markers during the above described operations.

No direct payment will be made for relocating, reinstalling, and/or stockpiling the street signs and markers and route markers as such work will be considered incidental to other work being paid for by the various items in the contract.

**STEEL U-CHANNEL POSTS:**

(7-18-06)

SP9 R02

Amend the *2006 Standard Specifications* as follows:

Page 9-15 Subarticle 903-3(D) first paragraph, last sentence, delete the last sentence and add the following:

Use posts of sufficient length to permit the appropriate sign mounting height. Spliced posts are not permitted on new construction.

**AGGREGATE PRODUCTION:**

(11-20-01)

SP10 R05

Provide aggregate from a producer who uses the current Aggregate Quality Control/Quality Assurance Program that is in effect at the time of shipment.

No price adjustment is allowed to contractors or producers who use the program. Participation in the program does not relieve the producer of the responsibility of complying with all requirements of the *Standard Specifications*. Copies of this procedure are available upon request from the Materials and Test Unit.

**CONCRETE BRICK AND BLOCK PRODUCTION:**

(11-20-01)

SP10 R10

Provide concrete brick and block from a producer who uses the current Solid Concrete Masonry Brick/Unit Quality Control/Quality Assurance Program that is in effect on the date that material is received on the project.

No price adjustment is allowed to contractors or producers who use the program. Participation in the program does not relieve the producer of the responsibility of complying with all requirements of the *Standard Specifications*. Copies of this procedure are available upon request from the Materials and Test Unit.

**PORTLAND CEMENT CONCRETE (Alkali-Silica Reaction):**

2-20-07

SP10 R16

Revise the *2006 Standard Specifications* as follows:

Article 1024-1(A), replace the 2nd paragraph with the following:

Certain combinations of cement and aggregate exhibit an adverse alkali-silica reaction. The alkalinity of any cement, expressed as sodium-oxide equivalent, shall not exceed 1.0 percent. For mix designs that contain non-reactive aggregates and cement with an alkali content less than 0.6%, straight cement or a combination of cement and fly ash, cement and ground granulated blast furnace slag or cement and microsilica may be used. The pozzolan quantity shall not exceed the amount shown in Table 1024-1. For mixes that contain cement with an alkali content between 0.6% and 1.0%, and for mixes that contain a reactive aggregate documented by the Department, regardless of the alkali content of the cement, use a pozzolan in the amount shown in Table 1024-1.

Obtain the list of reactive aggregates documented by the Department at:<http://www.ncdot.org/doh/operations/materials/pdf/quarryasrprob.pdf>

<b>Table 1024-1</b>	
<b>Pozzolans for Use in Portland Cement Concrete</b>	
<i>Pozzolan</i>	<i>Rate</i>
Class F Fly Ash	20% by weight of required cement content, with 1.2 lbs Class F fly ash per lb of cement replaced
Ground Granulated Blast Furnace Slag	35%-50% by weight of required cement content with 1 lb slag per lb of cement replaced
Microsilica	4%-8% by weight of required cement content, with 1 lb microsilica per lb of cement replaced

**GLASS BEADS:**

(7-18-06)

SP10 R35

Revise the *Standard Specifications* as follows:

Page 10-223, 1087-4(C) Gradation & Roundness

Replace the second sentence of the first paragraph with the following:

*All Drop-On and Intermixed Glass Beads shall be tested in accordance with ASTM D1155.*

Delete the last paragraph.

**ENGINEERING FABRICS TABLE 1056-1:**

(7-18-06)

SP10 R40

Revise the *Standard Specifications* as follows:

Page 10-100, Table 1056-1, replace the values for Trapezoidal Tear Strength with the following:

Physical Property	ASTM Test Method	Type 1	Type 2	Type 3		Type 4
				Class A	Class B	
Typical Applications		Shoulder Drain	Under Riprap	Temporary Fence	Silt	Soil Stabilization
Trapezoidal Tear Strength	D4533	45 lb	75 lb	--	--	75 lb

**CHANGEABLE MESSAGE SIGNS**

(11-21-06)

SP11 R11

Revise the *2006 Standard Specifications* as follows:

Page 11-9, Article 1120-3, Replace the 3rd sentence with the following:

Sign operator will adjust flash rate so that no more than two messages will be displayed and be legible to a driver when approaching the sign at the posted speed.

**PAVEMENT MARKING LINES MEASUREMENT AND PAYMENT:**

(11-21-06)

SP 12 R01

Revise the *2006 Standard Specifications* as follows:

Page 12-14, Subarticle 1205-10, delete the first sentence of the first paragraph and replace with the following:

*Pavement Marking Lines* will be measured and paid for as the actual number of linear feet of pavement marking lines per application that has been satisfactorily placed and accepted by the Engineer.