1	Make the following Section a part of the Standard Specifications:		
2 3	"SECTION 618 – SOIL REINFORCEMENT AND POROUS PAVING SYSTEM		
4 5 6 7	618.01 Description. This section describes constructing a vegetated shoulde along the roadway using a polymer soil reinforcement system.		
8 9	618.02 Materials.		
10 11	Selected Material for Planting Soil 203		
12 13	Hydro-Mulch Seeding 641		
14 15	Aggregate for Untreated Base 703.06		
16 17	Geotextiles for Permeable Separator Applications 716.02		
18 19 20 21	(A) Polymer Soil Reinforcement and Porous Paving System: The polymer soil reinforcement and porous paving system shall have the following characteristics:		
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	 Base Materials: a. The material shall be up to 100 percent recycled polyethylene. b. The Carbon Black content shall be 1.5 to 2.0 percent by weight, through the addition of a carrier with ASTM D 1693. Performance Properties: a. The empty unit minimum crush strength at 70 degrees F shall be 420 psi. b. The flexural modulus at 70 degrees F shall be 35,000 psi. c. The unit minimum deflection without breakage when units supported at 40 inches centers at 70 degrees F shall be 1.0 inches. d. The wall compressive strength (simulated tire area loaded) shall be 420 psi when tested using circular plate, 6.5 inches in diameter, and loaded to failure. e. The equivalent elastic stiffness shall be 48,000 pound-square inches when tested using simply supported porous pavement unit loaded to 1 inch deflection. f. The joint shear strength shall be 20,000 pound-force when tested using direct shear of tabular connection using special apparatus. 		
45 46	 Dimensions: The nominal product width shall be 40 inches. 		

92	Pay Item	Pay Unit
93		
94	Vegetated Shoulder, Geosystems Geoblock or Approved Equal	Square Yard
95		
96	The Engineer will pay for Selected Material for Planting Soil u	nder Section
97	203 – Excavation and Embankment.	
98		
99	The Engineer will pay for Aggregate Base Course under S	ection 304 -
100	Aggregate Base Course.	
101		
102	The Engineer will pay for Hydro-Mulch Seeding under Section	641 – Hydro-
103	Mulch Seeding.	
104		<u></u>
105	The Engineer will not pay for the Permeable Separato	r Geotextile
106	separately, and it shall be considered incidental to this section."	
107		
108		
109	END OF SECTION	
110	END OF SECTION	