FINANCIAL PROJECT ID	STATE PROJ. NO.	SHEET NO.

TABLE OF WOVEN GEOGRID VALUES

PROPERTY		REQUIRED TEST METHOD	Raugrid 3/3	Raugrid 4/2	Raugrid 6/3	Raugrid 8/3	Raugrid 10/3					
UV Stability (Retained 50% Strength Min. @ 500 hr.)		ASTM D 4355	95%	95%	95%	95%	95%					
Tensile Strength (kN/m)		ASTM D 4595										
Machine Direction	Ultimate		32.6	41.5	63.5	77.2	96.2					
	2% Ultimate		5.8	8.1	14.0	14.4	19.0					
	5% Ultimate		10.4	11.2	16.7	17.0	29.8					
Cross Direction	Ultimate		32.3	21.3	28.6	30.5	32.0					
	2% Ultimate		5.5	4.0	4.9	5.7	5.7					
	5% Ultimate		7.9	5.2	6.6	7.8	7.8					
Strain @ Ultimate Tensile Strength		ASTM D 4595	10.8	11.8	13.1	12.2	11.2					
Secant Modulus @ (kN/m)	2% strain		——	——	——	——	——					
	5% strain		——	——	——	——	——					
	10% strain		——	——	——	——	——					
Junction Strength (kN/m)		GRI : GG2	N/A	108	199	168	146					
Soil- Geosynthetic Friction		GRI : GG5, GT7	0.9	0.9	0.9	0.9	0.9					
Creep Resistance-T_{creep} (kN/m)		ASTM D 5262	21.4	27.3	41.7	50.8	63.3					
Creep Reduction Factor (T_{ult} / T_{creep})		GRI : GG3 & GT5	1.52	1.52	1.52	1.52	1.52					
Installation Damage (RF_c)	Sand	GRI : GG4 & GT7	1.10	1.10	1.10	1.10	1.10					
	Limestone		1.14	1.14	1.14	1.14	1.14					
Durability (RF_d)	Chemical	ASTM D 5322	1.15	1.15	1.15	1.15	1.15					
	Biological	ASTM D1987, D3083, G21 & G22	1.15	1.15	1.15	1.15	1.15					
Joint Strength (RF_j)	Mechanical	ASTM D 4595, GRI : GG4 & GT7	——	——	——	——	——					
	Overlap	GRI : GG5 & GT6	——	——	——	——	——					
Approved Application Usage			3	3	3	3	3					

Approved Application Usage: 1 = Steepened Slopes
2 = Reinforcement of Foundations over Soft Soils
3 = Both Steepened Slopes & Reinforcement of Foundations over Soft Soils

THE SEALED RECORD OF THIS STANDARD IS ON FILE IN THE ROADWAY DESIGN OFFICE.

APPROVED GEOSYNTHETIC PRODUCTS (WOVEN GEOGRIDS) APPLICATION AND PROPERTIES

Revised: 02-02-01

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
ROAD DESIGN

GEOSYNTHETIC REINFORCED SOILS

INTERIM STANDARD

THIS SHEET IS A SUPPLEMENT TO THE INTERIM INDEX NO 501 SHEET 6 OF 8 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS, BOOKLET IN METRIC UNITS, DATED JANUARY 2000.

APPROVED BY
STATE GEOTECHNICAL ENGINEER

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