FINANCIAL PROJECT ID	STATE PROJ. NO.	SHEET NO.

TABLE OF WOVEN GEOGRID VALUES

PROPERTY		REQUIRED TEST METHOD	Raugrid 3/13	Raugrid 4/12	Raugrid 6/13	Raugrid 8/13	Raugrid 10/13					
UV Stability (Retained 50% Strength Min. @ 500 hr.)		ASTM D 4355	95%	95%	95%	95%	95%					
Tensile Strength (lb/ft)		ASTM D 4595										
Machine Direction	Ultimate		2,233	2,843	4,350	5,288	6,590					
	2% Ultimate		397	555	960	987	1,302					
	5% Ultimate		712	767	1,144	1,165	1,582					
Cross Direction	Ultimate		2,213	1,459	1,959	2,089	2,192					
	2% Ultimate		377	274	336	390	390					
	5% Ultimate		541	356	452	534	534					
Strain @ Ultimate Tensile Strength		ASTM D 4595	10.8%	11.8%	13.1%	12.2%	11.2%					
Secant Modulus @ (lb/ft)	2% strain		——	——	——	——	——					
	5% strain		——	——	——	——	——					
	10% strain		——	——	——	——	——					
Junction Strength (lb/ft)		GRI : GG2	N/A	617	1139	961	833					
Soil- Geosynthetic Friction		GRI : GG5, GT7	——	——	——	——	——					
Creep Resistance-T_{creep} (lb/ft)		ASTM D 5262	1,469	1,870	2,862	3,479	4,335					
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										
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 GEOGRID) 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 INDEX NO. 501, SHEET 6 OF 8 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS, BOOKLET IN ENGLISH UNITS, DATED JANUARY 2000.

APPROVED BY
State Geotechnical Engineer

REVISION NO.	SHEET NO.	INDEX NO.
01	1 of 1	0501