Woven or Extruded Geogrid - FDOT APL Data Form

Company and Contact Information							
App. Date:		**Company Name:**			**Company Type:**		
Contact:		**E-mail:**			**Phone:**		

Product Information					
Product Name:			**Prod. Structure:**		
Structural Type(s) Request: ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4 ☐ R-5		**Material:**		**Axial Type:**	

Specs 985 Physical Requirements (Test Results)					
Property Test Method			**MARV/Design Value**	**Structural App. Type**	**Test Method**
UV Stability (Min. Retained Strength @ 500 hrs.)				R-3	ASTM D4355
Aperture Size MD x XD (in x In)				R-1,2,3,4,5	-
Tensile Strength (lbs/ft)	Machine Direction	2% Strain		R-1,3	ASTM D6637
		5% Strain		R-2,3,4,5	
		10% Strain		R-1,2,3,4,5	
		Ultimate (T_{ult})			
		Strain @ T_{ult}			
	Cross Direction	2% Strain		R-1,3	
		5% Strain		R-2,3,4,5	
		10% Strain		R-1,2,3,4,5	
		Ultimate (T_{ult})			
		Strain @ T_{ult}			
Coefficient of Direct Sliding, C_{ds}(dim.)				R-1,2,3	ASTM D5321
Coefficient of Interaction, C_i(dim.)				R-3	ASTM D6706
Scale Correction Factor, α (dim.)				R-3	
Creep Reduction Factors (RF_{CR})	Creep-Rupture			R-2,3	ASTM D5262/D6992
	2% Strain				
	5% Strain				
Installation Damage (RF_{ID})	Sand			R-2,3,4	AASHTO R69
	Limestone				
Durability (RF_D)	-				
Joint Strength (RF_j)	Mechanical			R-2,3	GRI: GG4(a) & GG4(b)
	Sewn				

Limitations/Notes	Structural Application	
Reduction factors for creep are based on a 100-year design life.	**Type**	**Description**
	R-1	Geosynthetic Reinforced Soil (GRS-IBS)
	R-2	Reinforcement of foundations over soft soils (FDM Ch.263)
	R-3	Reinforced Soil Slopes (FDM, Ch.263)
	R-4	Reinforced Embankment (SFH, App. E)
	R-5	Construction Expedient

Product Evaluation and Audit Solutions Program:		**DataMine Number:**	
Mnftr's. Technical Data Sheet Link:			