Table 5-16
Elastic constants of various soils (after AASHTO 2004 with 2006 Interims)

	CATHOLICA AMERICA	Eliasur vollstalles of various soils (airci AASIII O 2007 with 2000 illusilles)	OOT WILL SOOD THEFTHIS!
	Soil Type	Typical Range of Young's Modulus Values, E, (tsf)	Poisson's Ratio, ν
	Clay: Soft sensitive	25-150	(Foriarimy 5 0 F 0
	Medium stiff to stiff	150-500	0.4-0.5 (unaramea)
	Very stiff	500-1,000	
_	Loess	150-600	0.1-0.3
	Silt	20-200	0.3-0.35
	Fine Sand:		
	Loose	80-120	0.25
	Medium dense	120-200	0.23
	Dense	200-300	
	Sand:		
	Loose	100-300	0.20-0.36
	Medium dense	300-500	
	Dense	500-800	0.30-0.40
	Gravel:		
	Loose	300-800	0.20-0.35
	Medium dense	800-1,000	
_	Dense	1,000-2,000	0.30-0.40
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If you use these values for Schmertmann's analysis for r retaining walls, X=1