

PROPOSAL 3-1 (2009)

SCOPE: Sec. 19. 2.1.1 (ASCE-7)

PROPOSAL FOR CHANGE:

1 **Replace Table 19.2-1 with the following table:**
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Site Class	Value of v_s/v_{s0}			Value of G/G_0		
	$S_{DS}/2.5$			$S_{DS}/2.5$		
	≤ 0.1	0.4	≥ 0.8	≤ 0.1	0.4	≥ 0.8
A	1.00	1.00	1.00	1.00	1.00	1.00
B	1.00	0.97	0.95	1.00	0.95	0.90
C	0.97	0.87	0.77	0.95	0.75	0.60
D	0.95	0.71	0.32	0.90	0.50	0.10
E	0.77	0.22	*	0.60	0.05	*
F	*	*	*	*	*	*

Note: Use straight line interpolation for intermediate values of $S_{DS}/2.5$

* = should be evaluated from site-specific analysis

REASON FOR PROPOSAL:

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The previous table uses single values of modulus reduction factors, which fail to account for differences in shear strain associated with soils having different stiffnesses. The revised table shown above was developed for FEME 356 to correct that error. The correction should now be made in the NEHRP Provisions as well.

TS 3 VOTE:

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YES = 9

Yes with Reservations

No

4 - Not Voting = 4