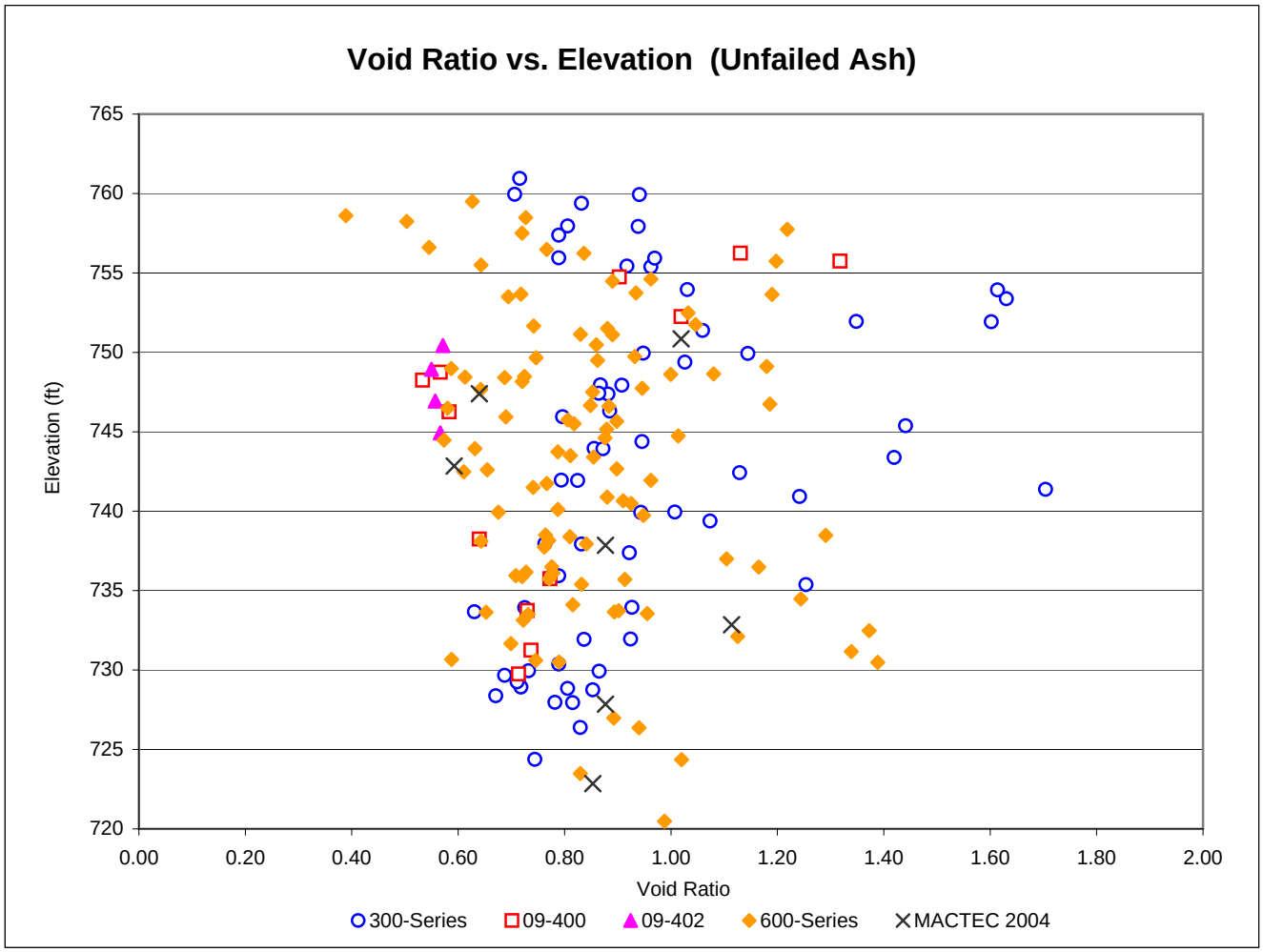
Figure 1.5.1_1

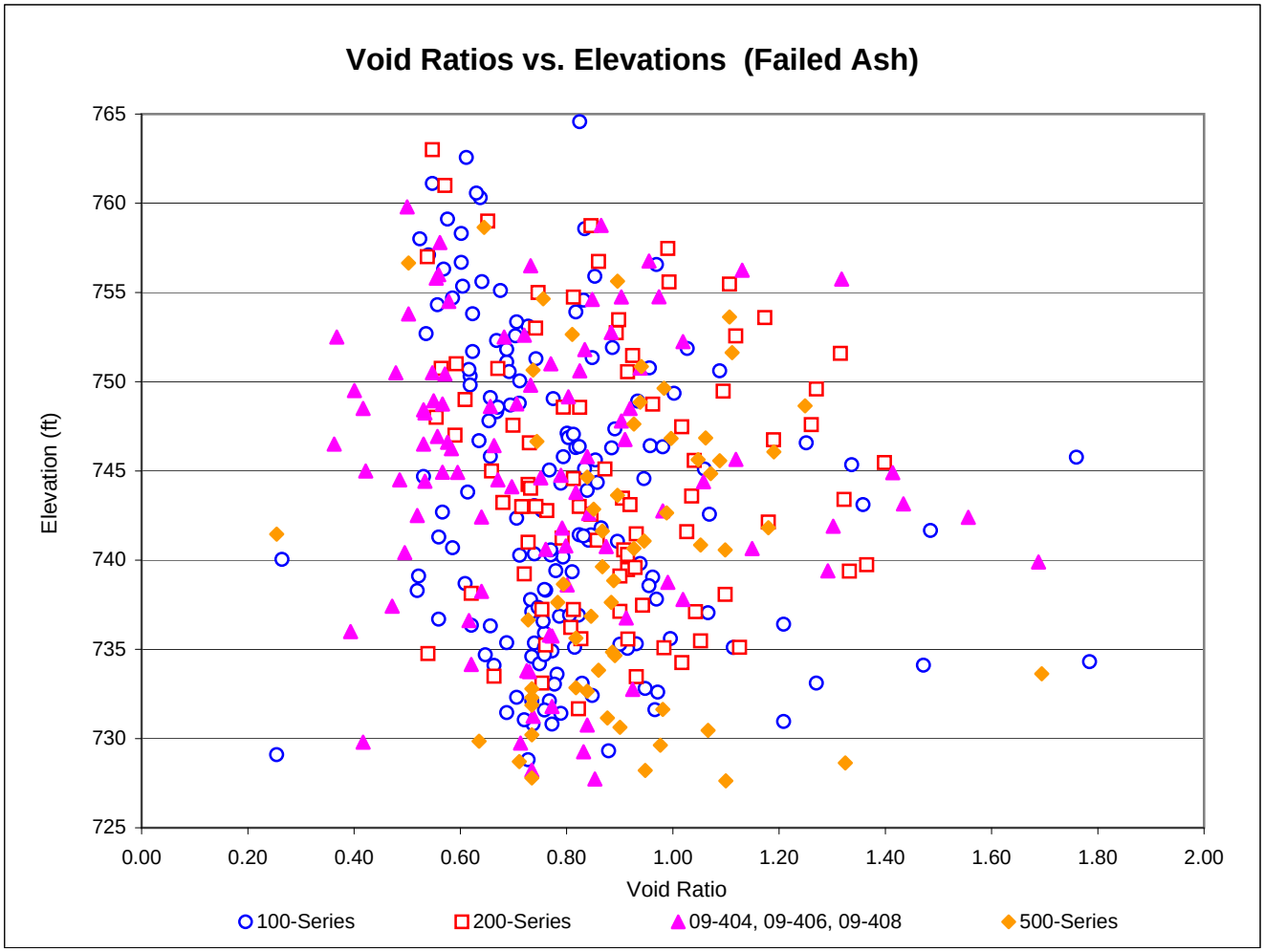


Unfailed Ash Average **0.87**

Note: 1. Only ash below Elev. 765 ft.
2. Assuming G_s=2.37 and 100% saturation
3. Unfailed Ash in 300-, and 600-Series, MACTEC 2004 data, and 09-400 and 09-402 borings of the 400-Series

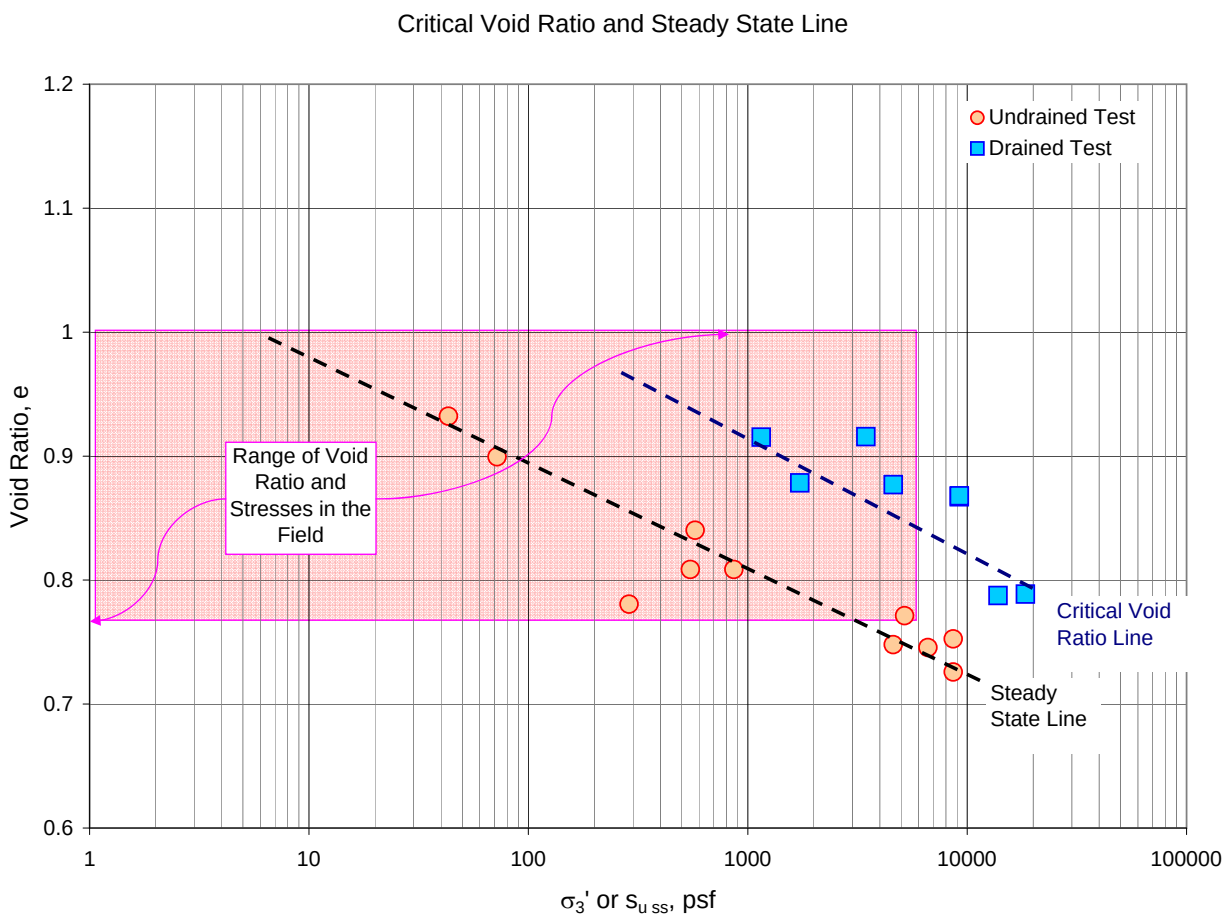
Figure 1.5.1_2

AECOM

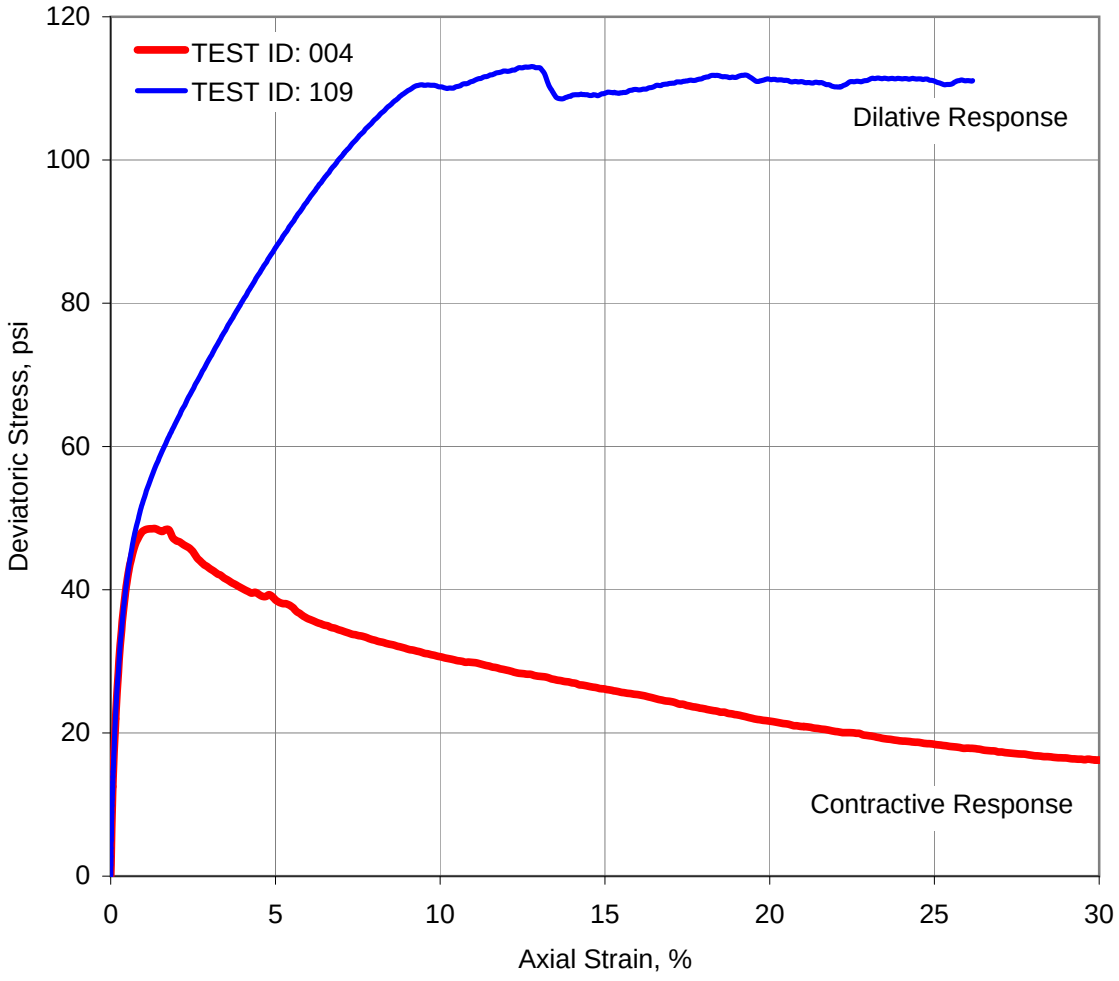


Failed Ash Average: 0.82

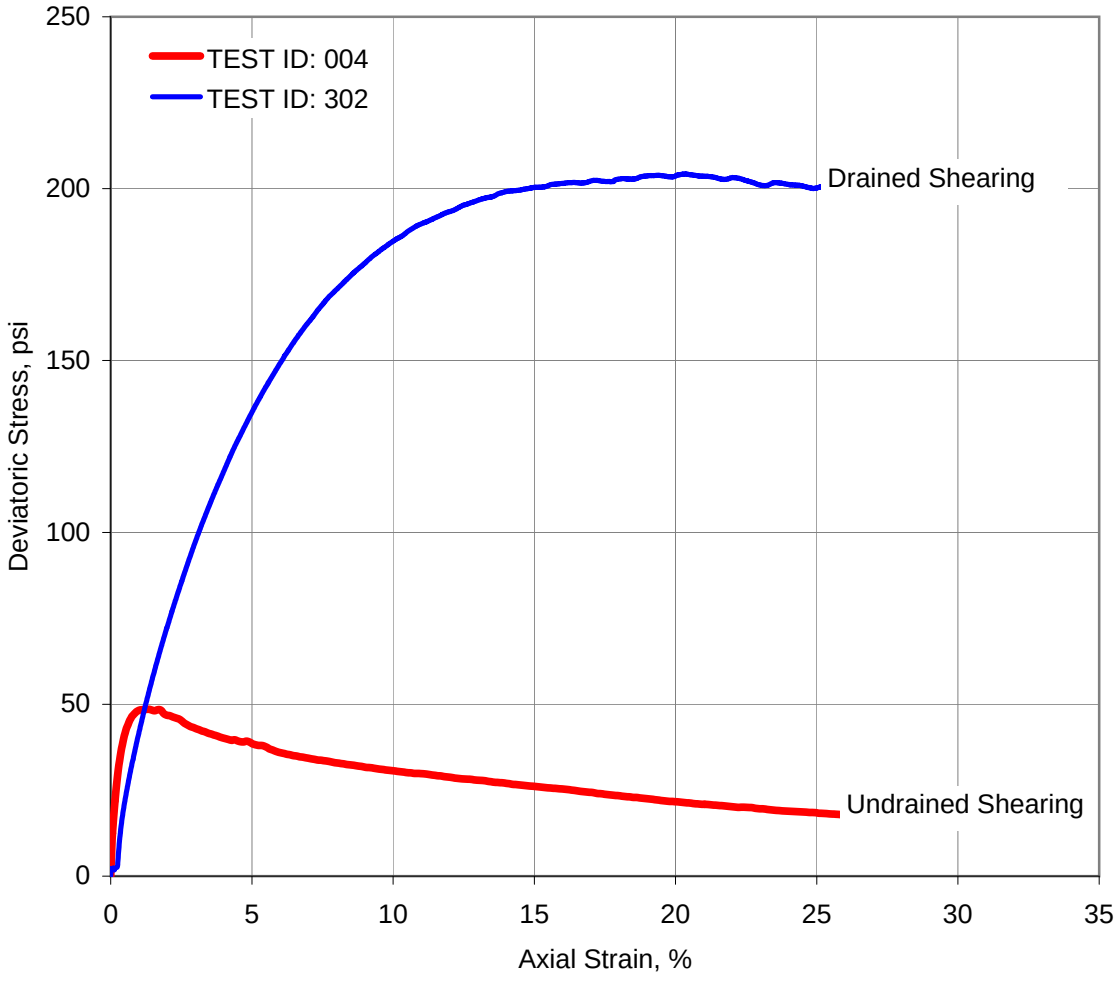
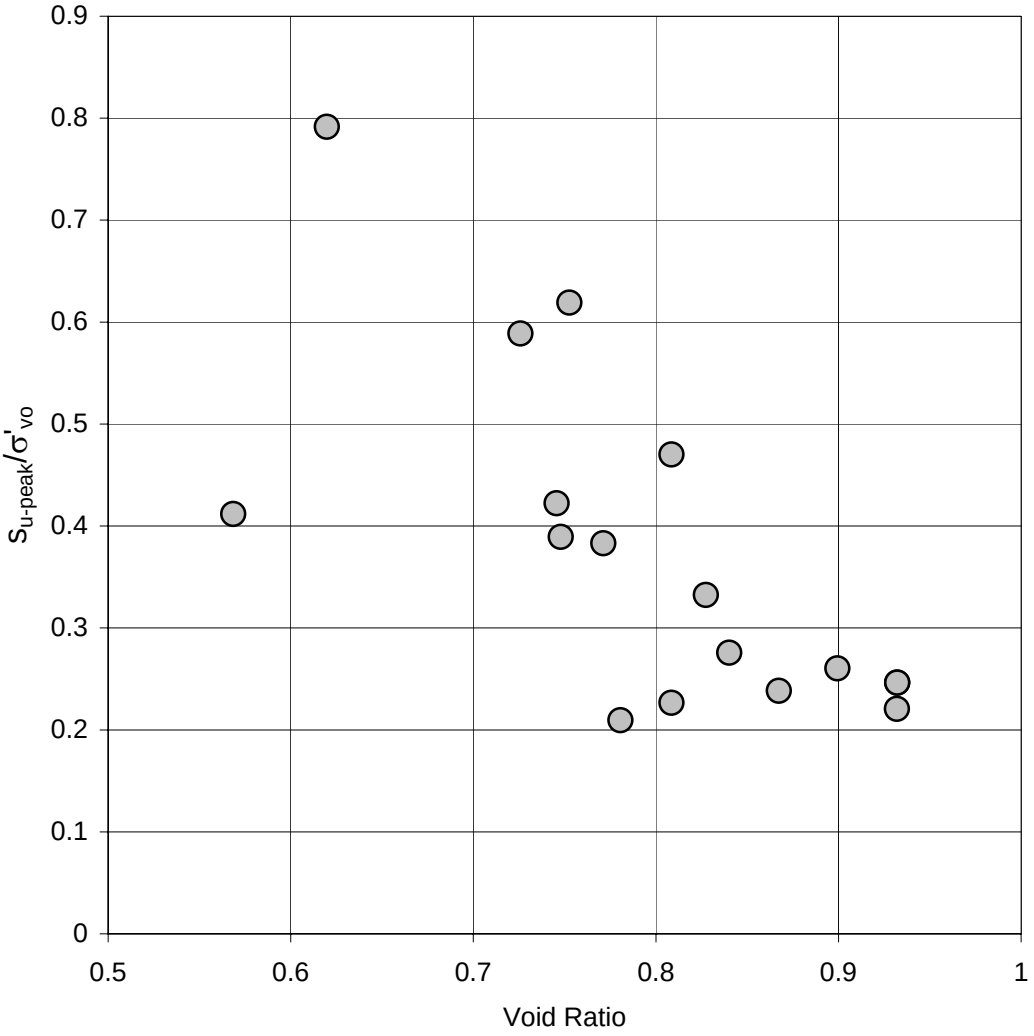
Note: 1. Only ash below Elev. 765 ft. In 100- and 200-Series, ash below water table
2. Assuming G_s=2.37 and 100% saturation
3. Failed Ash in 100-, 200-, and 500-Series, and 09-404, 09-406, and 09-408 borings of the 400-Series


Critical Void Ratio and Steady State Line
Undrained Test
Drained Test
Range of Void Ratio and Stresses in the Field
Critical Void Ratio Line
Steady State Line
Void Ratio, e
1.2
1.1
1
0.9
0.8
0.7
0.6
1
10
100
1000
10000
100000
σ3' or su ss, psf

Contractive versus Dilative Response during Undrained Shearing



Drained versus Undrained Response of Contractive Sample



Normalized Peak Undrained Shear Strength Sluiced Fly Ash