The pile bearing chart is based on the FHWA Gates Formula for pile bearing and is provided for the user's convenience only.

Pile Bearing (metric tons) = \frac{(((1.75 \times \sqrt{E} \times \log_{10}N) - 100)}{2000} \times 0.00045359237

E = Developed Energy and N = Number of Blows Per Inch

APE has no preference for these particular formulas and calculations over any other.