Notes Regarding the WEAP Demonstration Videos

The WEAP demonstration in the workshop video entitled “Topic 4 - Construction Control” has the following issues:

- Use the F3 key to select and input pile properties.
- Include hammer cushion information including helmet weight.
- The Resistance Gain/Loss Factors are set to “1” in the first row and “0” in all other rows.
- Include Quake and Damping for analysis.
- Set Ultimate Capacities to 20 kip increments to develop a driving graph at 10 ton increments.
- Create Driving Graph from Bearing Graph outputs at different fixed strokes.

An updated WEAP demonstration video is supplied as a separate link on this web page. This updated video while correcting some of the issues in the workshop version contains the following issues:

- The helmet weight is not entered in the video.
- The elastic modulus of a 2” thick aluminum/micarta hammer cushion is 430 ksi, not 270 ksi as shown.
- Create Driving Graph from Bearing Graph outputs at different fixed strokes.

The WEAP demonstration videos provide minimal guidance on the use of WEAP for Iowa projects with driven pile. For specific projects, WEAP entry and output are the responsibility of the Engineer involved in the project.