

**SCHMERTMANN & CRAPPS, INC.**

*—Consulting Geotechnical Engineers—*

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June 16, 1995

In-Situ Soil Testing, L. C.  
2514 Stone Hedge Drive  
Alexandria, Virginia 22306

Attention: Mr. Roger A. Failmezger, President

**Re: History of Your Dutch Cone Penetrometer Truck**

Dear Roger:

As requested, I am providing you with my recollection of the history regarding your CPT truck. In 1965, under my direction the University of Florida purchased a Dutch cone penetrometer testing equipment from Goudsche Machinefabriek B.V. in the Netherlands. It was the first heavy CPT equipment ever used continuously in the United States. In fact, we coined the term "CPT" when we started to use this truck.

In the beginning it was mounted on a trailer and used screw anchors to provide the reaction force. A few years later, we purchased a utility truck at a surplus sale from the State of Florida and mounted the CPT trailer to the bed of that truck. In 1971, we purchased a flat bed Dodge truck. We increased the reaction weight of that truck by welding thick sections of steel to its bed. To protect the equipment and make the truck more useable, we closed in the bed with sheet steel. This is the equipment that you now own.

While I was a professor at the University of Florida, we used this equipment extensively. In fact, all the field research that I did with the Dutch cone penetrometer at the University of Florida was with this equipment. Additionally, much of my research with the dilatometer in the 1980's was done with this equipment.

I was happy to hear that you purchased this equipment and that it will be used for dilatometer testing. I wish you success with your dilatometer testing. Please share with us any interesting DMT data experiences and any correlations with other test data.

Sincerely,



John H. Schmertmann, P.E.  
Schmertmann & Crapps, Inc.