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February 8, 2016

David Lastovka, P.E.
ODOT District 12 Transportation Engineer
Ohio Department of Transportation
5500 Transportation Boulevard
Garfield Heights, Ohio 44125-5396

E-mail to: Dave.Lastovka@dot.state.oh.us

Re: February 4, 2016 B-105A Weekly Readings
CUY-90-15.24 Slope Monitoring
PID 96504
SME Project No. 069032.00

Dear Mr. Lastovka:

The plot for this week's readings at B-105A is attached. Zero depth on this plot is at the current top of casing with 8 feet removed for the excavation at the bulkhead. We adjusted the bias correction so that displacements match at about 102 feet for all plots. We believe this gives a clearer indication of ground movement. For the past month there has been positive A-axis displacement from the surface to about 70 feet. This past week there was almost no movement. The bend that occurs at about 26 feet is probably just below the dredge level in the river and corresponds to the point of maximum moment in the sheet pile as it is now acting more as a cantilever wall rather than as a tieback wall. The plots show B-axis displacement because the axes of the slope tube are not aligned perfectly perpendicular and parallel to the bulkhead. Total resultant displacement since January 2014 has been about 1.92 inches. From January 14th to January 28th, there was about 0.15 inches of positive A-axis displacement measured at the surface.

Please call or email with any questions.

Very truly yours,

SME

Brendan P. Lieske, E.I.
Staff Engineer

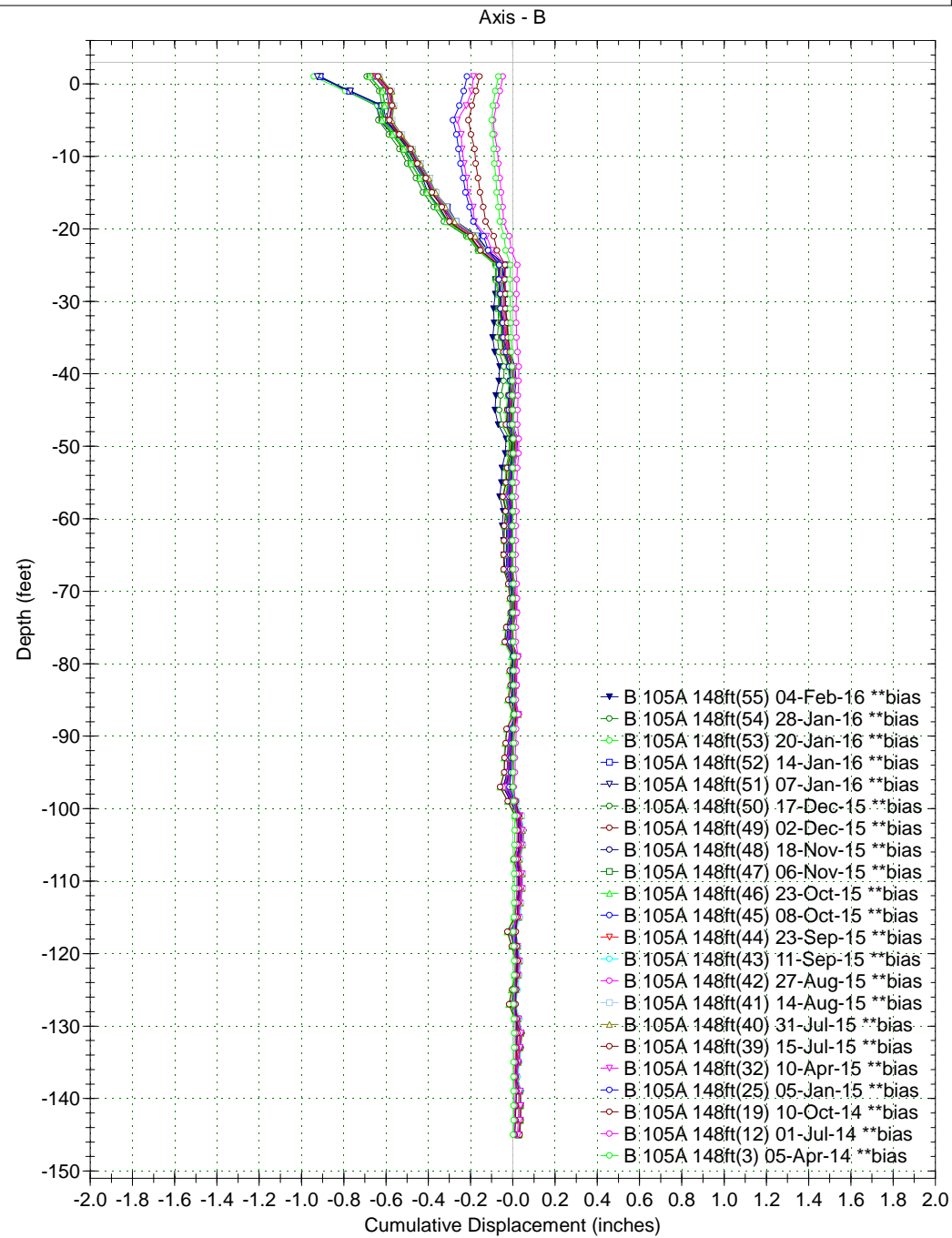
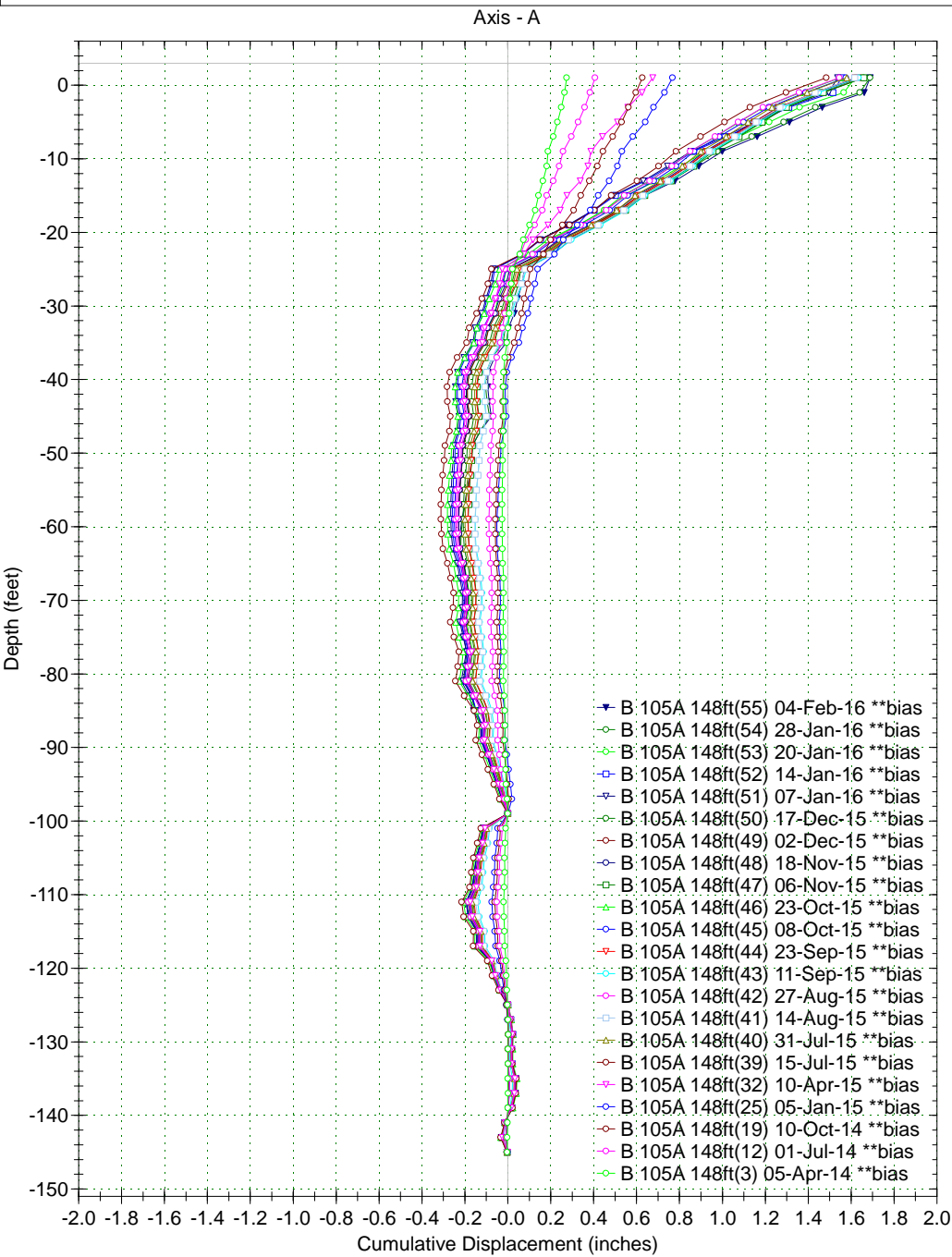
Attachment

cc: Distribution list via email

Borehole : B 105A 148ft
Project : CUY-90-15-24
Location : Cleveland, Ohio
Northing : Sta. 19+11.38
Easting : 90.9' Rt of CL
Collar :



Spiral Correction : N/A
Collar Elevation : 3.0 feet
Borehole Total Depth : 148.0 feet
A+ Groove Azimuth :
Base Reading : 2014 Jan 15 09:19
Applied Azimuth : 0.0 degrees



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Axis - A

Axis - B

