

# B-TEK Scales provides replacement & new weighbridge for customer's northern & southern locations.

*A White paper illustrating B-TEK Scales, LLC ability to create custom scale solutions for various industries*

September 2010

Contributors: Pete Kostalas, Vinny Lamoureux, Anne Marie Undercoffer

**B**-TEK Scales, in collaboration with two valued distributors, supplied a replacement weighbridge and new weighbridge for a scrap processing plant at its northern and southern locations.

In the northern location, B-TEK's flexible manufacturing capabilities enabled a replacement weighbridge to be built and applied to the customer's existing foundation containing an Active Scale. This replacement was a Heavy Duty Big Bertha 60 x 16 steel deck scale that contained digital load cells for superior accuracy and long-term stability. For this application the scale has a 400,000 lb. capacity and NTEP approval.

In the southern location, this project is unique because the customer has a 50 million dollar contract with the Department of Energy for environmental cleanup at the site of an old steel mill.

The site is the largest EPA Environmental Superfund in North America and consists of mountains of blast furnace slag, (some of which is over 100 years old) containing steel. The slag is scooped up by front loaders that are 15' wide and weigh approx 120,000 lbs. and then separated from the steel using huge magnets that recycle the cleaned slag and the steel. The process is quite rigorous and very specialized for the steel scrap processing. B-TEK Scales fabricated a Heavy Duty Big Bertha the same as the replacement weighbridge, this time in a 70 x 16 deck size.

Both scales were successfully installed in the northern and southern locations with the help of our valued distributors and sales representatives. The application's solution of a Heavy Duty Big Bertha with digital load cells provided the desired weighing outcome solution.



Figure 1 shows the work involved in preparing the site and foundation work to install the Heavy-Duty digital truck scale.



Figure 2 is the new foundation, ready for the scale installation

# B-TEK Scales provides replacement & new weighbridge for customer's northern & southern locations.

*A White paper illustrating B-TEK Scales, LLC ability to create custom scale solutions for various industries*

September 2010

Contributors: Pete Kostalas, Vinny Lamoureux, Anne Marie Undercoffer

Other scale images taken during installation and dedication of the new Heavy-Duty digital truck scale.



Figure 3 shows the scale delivery.



Figure 5 is finished scale, installed with attached sight rails.



Figure 4 offers a view of the scale moved by crane, in line with the module already in place.



Figure 6 illustrates how B-TEK defines heavy-duty!

**B**-TEK Scales, LLC is always available to support your weighing equipment needs. For more information on this or other B-TEK projects, please contact us at 1-800-266-8900.