

Novel In-Ground Use of Portable Scales

When the Florida DOT was faced with having a static weight enforcement site out of commission, they turned to portable scales and implemented a novel solution for static, in-ground use. LS630 portable scales were deployed at a permanent weigh station to gather legal (static) weights.

“...the wireless feed to the indicator which resided in the control room with weight inspectors...and NTEP certified scales were the main reasons for utilizing these scales.”

- C. Wilson, Florida DOT

Instead of using ramps which are used with the scales in portable applications, saw cuts were made into the existing asphalt to match the dimensions of the scales. Approximately 130 trucks per day were weighed for several weeks using this novel in-ground configuration.

Without the ability to hard wire signals into the building, the wireless feed was collected on the PT20 indicator approximately 100 feet away. Florida DOT notes that with dedicated pull-off areas that will not have full blown static scales, officers can use the LS630 in the same manner in the future.

The LS630 portable scales with the PT20 indicator are used for Weigh-In-Motion applications as well as in static mode with an NTEP certification for enforcement in the US.

LS630 Portable Scale & PT20 Indicator

- Capacity of 30 tons Per Axle (150% Overload Protection)
- Dynamic Accuracy of 2% to 3%
- Static Accuracy Meets NTEP/OIML Requirements
- Wireless & Wired Indicator Options
- AC/DC Operation (Alkaline or Rechargeable Batteries)



The LS630 scales were inset within the lane at the weighing site



Saw cuts made within pavement for scale placement



PT20 Indicator for wireless communication with portable scales