Weighbridge – Above Ground

Simple Construction

Simple Installation

Lengths and widths can be customised

Effective method of weighing vehicles

Photo is of a 18m x 3m, 60t Above Ground, Trade Approved, Weighbridge

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Advances in Weighbridge Design
It is Associated Scales Services goal to never stand still with respect to improvements to the design of weigh bridges. Over the past few years many of the issue with weigh bridges have not been addressed and to this Associated Scales Services have redesigned some of the ways the final product is improved.

- Cabling in many cases is run under the weigh bridge which is both unsightly and, in some instances, can contravene the trade approvals. Through the webbing on the UBs there are holes drilled which allow for the conduit to run. 
  Note: saddles are also installed on the final installation to stop sagging)
This allows for the conduit not to be under the weigh bridge and have issues late with conduit breaking or being unsightly on the underneath of the weigh bridge.

- In addition to the cabling there are no simple solutions for the cable to pass through the UB’s. A custom mound was manufactured for poly urethane to allow for a clean affective bend through the UB.

- Simple changes to the load cell mount and the use of only stainless steel for the base plates increases the longevity of the life of the weighbridge.
• With the constriction, the weighbridge is also easily dismantled for reinstallation to another site.
  Note: Most weighbridges are concrete decks and the bridge can only be dismantled into the main segments.

• As the cells are cemset and epyrezed to the foundations no pockets are required thus making the foundation pour far simpler than previous systems.

About Above Ground Weighbridges
• Most cost effective for weighing complete vehicles in a trade application
• Simple construction and installation
• Drainage is normally not an issue with this style of weighbridge
• Lengths and widths have the ability to be designed by customer requirements
• As level approaches, and ramps are required, an above ground weighbridge becomes relatively long with respect to a pitted or semi inground weighbridge.

Customer Requirements (Normally)
  Note: all facets of the weighbridge can be the responsibility to Associated Scale Service if the customer deems not to do the tasks
• Electricity for both the weigh bridge and the remote display
• Drainage and pumping if needed
  Note: Associated Scale Services normally use a vortex style pump to reduce the clogging for foreign matter. Associated Scale Service is happy to purchase this for the customer at an additional cost or assist with a direct purchase.
• Dead weight for calibration. There will be 15t of trade approved masses supplied as per quotation
• Camera facility to ensure visual contact is kept on the 2 outside bridges.

Checks to be carried out prior to civils work for Civils Company
• Is the site restricted for the removal of soil?
• Foundation tests for soil condition
• Checks for power, sewage, or any other utilities on or around the excavation site.

It is Associated Scale Services Pty Ltd goal to seek further improvements on all of the manufactured devices and strive for product longevity within the field of weighing operation.