



Increased demand for efficiency

Whatley Quarry is Hanson Aggregates' largest quarrying site in the UK and demand for product is high. Production output is increasing and Hanson must weigh more limestone, with greater efficiency.

Hanson chose Avery Weigh-Tronix (AWTX) BridgeMont weighbridges to monitor up to 4.5 million tonnes of product per annum.

In a turnkey project, AWTX replaced two outdated weighbridges, provided full traffic management and installed a weighing office complete with air tube documentation-delivery system and two remote displays.

Engineers installed the first weighbridge through the site of the old mechanical 'bridge and the second over the top of the existing pit, with an extended flat section before the exit ramp to enable axle weighing.

Unique extended 'bridge stands provide 150 mm of additional clearance between the deck and the pit to ease access for routine cleaning.

The company is working on a solution to network all Hanson's weighbridge indicators to provide an interface with a new ERP system.

Hanson's Engineering Manager, Paul Savidis added, "AWTX provided exactly what we needed - a proven design to handle up to 1500 tonnes of product each week. Our operators find the new system very straightforward to use and maintenance much simpler."

- New high-strength BridgeMont steel decks are more reliable than the existing weighbridges.
- Raised foundations and extended 'bridge stands allow easier pit access, for better cleaning and reduced maintenance.
- Traffic Management System eases vehicle congestion for faster throughput and increased safety.

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TECHNICAL

BridgeMont Weighbridge

Hanson uses 15 m long BridgeMont mild steel 'bridges with a modular construction that provides a lighter weight, stronger deck.



- Simple foundations and bolt-down design assist quick installation.
- Based on Weigh Bar[®] technology that is ten times more reliable than conventional load cells.



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- Air tube system allows drivers to send and receive documentation without leaving the security of the cab.
- Displays mounted on top of the weighing office for clear driver visibility.
- Fully equipped weighing office provides an improved working environment.
- Total project management from a single source, including all civil work, installation and commissioning for peace of mind.
- Service support from a proven supplier- AWTX maintains 43 weighbridges across two regions and process weighing equipment for Hanson Aggregates and Premix businesses.