Trimble CCS900 Compaction Control System Now Available for Asphalt Compactors

New System Maps, Temperature and Pass Count to Take the Guesswork out of Asphalt Compaction

SUNNYVALE, Calif., March 22, 2011 /PRNewswire/ -- Trimble (Nasdaq: TRMB) today announced that its 3D Compaction Control System is now available for asphalt compactors—extending the range of Trimble paving solutions to cover milling, asphalt paving, finished compaction and project sign-off. Start to finish paving and road re-surfacing solutions from Trimble allows contractors to work more efficiently, use less material and achieve a smoother finished road surface.

The announcement was made today at ConExpo 2011, one of the world's largest international exhibitions for construction and construction materials industries.

Better Information to the Operator Means a Better Compacted Surface

Asphalt compaction operations strive to achieve the optimal compaction density as efficiently as possible. However, until now asphalt compaction operations involved considerable human interaction to determine the right timing and number of pass counts to achieve ideal mat density.

The Trimble® CCS900 Compaction Control System eliminates much of the guesswork involved in asphalt paving operations and helps achieve a more consistently compacted surface to target design density. The system provides visual indications for the operator to roll a more efficient pattern, which can lead to increased productivity and fuel savings.

To achieve the mat density required by roading authorities, the CCS900 system provides:

- Real-time temperature maps for the operator to find the optimal window for compaction,
- Pass count maps to avoid over or under compaction,
- Documentation indicating consistent compaction effort across the entire project, and
- Verifiable as-built information transferred via two-way data sync for documentation and timely payment.

The Trimble CCS900 Compaction Control System can use two optional IS310 Infrared Sensors, mounted over the front and rear rollers to measure the temperature of the mat at the time of compaction. Temperature readings are relayed and graphically represented on the in-cab control box, indicating which areas should be compacted immediately.

Operators can also see the number of passes over a certain area and monitor where they have not overlapped properly or left gaps between passes.

The entry-level pass count system can be deployed across the multiple asphalt compactors in a paving contractor's fleet. Various upgrades such as temperature mapping, higher accuracy mapping, compaction value mapping and a larger display screen are also available.

The Trimble CCS900 Compaction Control System for asphalt compactors is available now through Trimble's worldwide SITECH® Technology Dealer Channel and the Heavy and Highway Construction Distribution Channel, with the exception of the IS310 Infrared Sensor, which is expected to be available in the second quarter of 2011.

About Trimble's Heavy and Highway Division

Trimble's Heavy and Highway Division is a leading innovator of productivity solutions for the heavy and highway contractor. Trimble's solutions leverage a variety of technologies, including Global Positioning System (GPS), construction lasers, total stations, wireless data communications, the Internet, and application software. As part of the Trimble Connected Site™ strategy, these solutions provide a high-level of process and workflow integration from the design phase through to the finished project—delivering significant improvements in productivity throughout the construction lifecycle.

About Trimble

Trimble applies technology to make field and mobile workers in businesses and government significantly more productive. Solutions are focused on applications requiring position or location—including surveying, construction, agriculture, fleet and

asset management, public safety and mapping. In addition to utilizing positioning technologies, such as GPS, lasers and optics, Trimble solutions may include software content specific to the needs of the user. Wireless technologies are utilized to deliver the solution to the user and to ensure a tight coupling of the field and the back office. Founded in 1978, Trimble is headquartered in Sunnyvale, Calif.

For more information, visit: www.trimble.com.

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