



## **Trimble Technology Takes on Largest Road Project in Western Australia**

### **Trimble's Machine Control and Wireless Data Transfer Technology to Fast Track New Perth Bunbury Highway Project**

SUNNYVALE, Calif., Jan 03, 2008 /PRNewswire-FirstCall via COMTEX News Network/ -- Trimble (Nasdaq: TRMB) announced today that its machine control systems and two-way data communications technology are being used for the construction of the New Perth Bunbury Highway-the single largest road project ever undertaken in Western Australia.

When completed, the new 70-kilometer (43.5 mile) section of New Perth Bunbury Highway will provide motorists with a continuous dual carriageway from Western Australia's capital city Perth to the state's major commercial centers and tourist destinations in the South West. The project is expected to be constructed over three years and will include the placement of approximately nine million cubic meters (9.8 million cubic yards) of soil to raise the road alignment above low lying areas subject to seasonal inundation.

Responsibility for the highway's design and construction lies with the Southern Gateway Alliance (SGA). According to Tony Cariss, Construction Coordination Manager for the SGA, seasonal conditions, the scale of the work, and the relatively short lead-time means that construction needs to follow extremely close behind the design work.

"Trimble technology has offered us precisely the solution we needed to fast track the project," said Cariss. "We needed accurate machine positioning for construction purposes and an instant two-way data transfer between the field and design office."

Haefeli-Lysnar, Trimble's distributor in Western Australia, met the alliance's requirements with a Trimble Connected Site(TM) solution that includes a unique combination of Trimble machine control systems and a Trimble wireless communications network that represents an innovative application of the technology.

GPSNetwork Perth, which utilizes Trimble(R) VRS(TM) Global Navigation Satellite System (GNSS) infrastructure network technology, is being extended into the construction corridor and a network of radio towers are being built along the highway alignment. Via a 900MHz Trimble SNB900 radio and router at each tower, both VRS position correction data and construction data files will be transmitted simultaneously and selectively to the earthmoving machines.

At the same time a Trimble SNR900 radio in each machine transmits data back through the network to the office 100 kilometers (62 miles) away in Perth, where design staff use Trimble SiteVision(R) Office software to handle the data and view, in real time, the computer screen and site-level data at each machine's location.

With this innovative technology, the time between a machine recording field data and a new design file coming back to the machine requires only a few computer key strokes in the design office.

To date, 25 SGA machines have been fitted with Trimble machine control systems. The systems include seven dual-antenna Trimble GCS900 grade control systems with laser augmentation and three single-antenna GCS900 systems for fully automated work on graders and 15 single-antenna GCS900 systems with indicator modes for dozers, wheel loaders and supervisor's vehicles.

The New Perth Bunbury Highway is scheduled for opening in December 2009. For more information on the New Perth Bunbury Highway Project, visit: [www.mainroads.wa.gov.au/Internet/Projects/Urban/new\\_perth\\_bunbury\\_hwy.asp](http://www.mainroads.wa.gov.au/Internet/Projects/Urban/new_perth_bunbury_hwy.asp)

#### About Trimble's Construction Business

Trimble's Construction Division is a leading innovator of productivity solutions for both the heavy and highway contractor and the building construction contractor. Trimble's solutions leverage a variety of technologies, including Global Positioning Systems (GPS), construction lasers, total stations, wireless data communications, the Internet, and powerful application software. As part of the Trimble Connected Construction 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 and headquartered in Sunnyvale, Calif., Trimble has a worldwide presence with more than 3,400 employees in over 18 countries.

For more information, visit Trimble's Web site at [www.trimble.com](http://www.trimble.com).

GTRMB

SOURCE Trimble

<http://www.trimble.com>

Copyright (C) 2008 PR Newswire. All rights reserved

News Provided by COMTEX