

AT WORK

 TOPCON

Paving
Spring 2009



Upgraded paving system a difference of 'night and day'



Maui Paving Company using Topcon's Paver System 5.

One of the larger paving companies in the Hawaiian island chain, Maui Paving was formed in 2005 through a merger between Grace Pacific Corporation and Goodfellow Brothers, Inc. The company works (under various names) throughout Maui, Molokai and Kauai and generally gets the bulk of the work on the islands. One of those was the \$6.6 million Maunaloa Highway paving project which involved laying down better than 30,000 tons of asphalt. The road itself is one of the main thoroughfares to and from the relatively busy Kaunakakai Harbor on the island's south shore.

The quality of the work on the Maunaloa remained high throughout, thanks in large part to the paving equipment the company has come to rely upon.

"Many of us remember when we relied almost entirely on a stringline to do

Company: Maui Paving Co., Inc.

Location: Maui, Hawaii

Project: Maunaloa Highway repaving

Location: Molokai, Hawaii

Scope: Repave a nearly six-mile stretch of the Maunaloa Highway, one of the main east-west thoroughfares on the island.

Topcon Products:

Paver System 5/9130 Laser Receiver;
Sonic Tracker II

Topcon Dealer:

Rick Dolan
Laser Transit Clinic, Honolulu, HI
www.topconca.com

Continued on page 2

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'When talking about the Topcon equipment we like to borrow a phrase from a credit card company: 'we never leave home without it.' – Dane Patao, project foreman



LEFT: Sonic Tracker II RIGHT: Topcon's System 5 control box.

Continued from page 1

paving jobs," says Dane Patao, project foreman on the Maunaloa job. "That changed a number of years back when we contacted Rick Dolan at Laser Transit Clinic in Honolulu and got our first Topcon laser equipment for our pavers.

"The difference going from stringline to this was like night and day. With the Topcon laser equipment, matching joints is easy and accurate. We dial in the thickness we need, compensating for the asphalt to be rolled, and the match is perfect every time.

"The same holds true for slopes," Patao said. "We set the machine to slope control, dial in the degree of slope we need and it will hold that percentage for as long as we need it. When talking about the Topcon equipment we like to borrow a phrase from a credit card company: 'we never leave home without it.'"

If Maui Paving saw the change from stringline to laser as being like night and day, it sees the recent upgrade to Topcon's Paver System 5 (with a Topcon 9130 Laser Receiver which maintains grade by locking on to the beam of an existing laser) as being just as significant. The company also relies upon Sonic Tracker II, which uses rapid sound pulses directed at any of several reference points including a curb, an existing surface – even a stringline.

"On the Maunaloa job, the sensor was sending a pulse down to the existing grade and, based on how long it took that signal to bounce back to the sensor, adjusted the screed, giving us the smooth two-inch pour we needed," Patao said. "And the ease of use is still impressive; we can start right up in the morning and be putting down asphalt in no time."

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Topcon's System 5 Control Box with Sonic Averaging System

The next generation of simple-to-operate, upgradeable, completely compatible grade control for your asphalt paver from Topcon.



System 5 is a complete machine control package including an advanced single, dual, or 3D control box, each with an easy-to-use and easy-to-learn operator interface. You can even customize System 5 with Topcon's complete line of optional equipment including lasers and receivers for a variety of needs. And it's easy to upgrade your existing controls to System 5 so you can benefit from its state-of-the-art technology in no time!