Work on Maui’s Major Highway Completed Faster than Planned

Wirtgen Cold Milling Machines and a Vögele Paver Successfully Complete Road Rehabilitation Project on Maui

The Haleakalā Highway is one of Maui’s major highways. It connects the densely-populated valley with the surrounding rural areas. The team from Maui Paving completely removed and repaved the road surface over a distance of about 6.8 km. Two Wirtgen milling machines, a W 210 Fi and a W 200 Fi, were used on the project together with a SUPER 2000-3i paver from Vögele.

Fast and Precise Machines

The rehabilitation of the highway had been estimated to take 125 working days. The original plan was to remove the surface layer and the base layer with an excavator in two steps. By investing in the new machines, the team was able to remove both layers with a combined thickness of 20 cm in a single pass, then reuse the milled material.

The construction crew was impressed by both the speed and precision of the Wirtgen milling machines and the SUPER 2000-3i Highway Class paver from Vögele. With an engine power output of 186 kW/250 hp and an efficient material conveying concept, the paver is ideally equipped for handling large-scale projects like this. In combination with the VF 600 paving screed, the SUPER 2000-3i also delivered outstanding paving quality across the entire working width. The VF 600 screed is equipped with extensions that can be tilted up to 10% and mounted in front of the basic screed, this is specially designed for the US market.

Local Service from the Wirtgen Group Is an Important Part of the Puzzle

The deployment of this paver was a premiere on the Hawaiian island of Maui. To enable Maui Paving’s personnel to exploit the full potential of the machines, they took part in a training course from Wirtgen America before the start of the project. The familiarization of the crew with the machines went off without a hitch for everyone from the mechanic to the operating personnel on the site. All three machines deployed on the project impressed the construction crew with their powerful performance, precision, and low noise levels.

Originally, planning foresaw milling off a 10 cm thick concrete layer in a first pass with the milling machine followed by a second pass for the removal of the base layer. However, the large milling machine from Wirtgen managed to mill out the full depth of 20 cm in a single pass. This made it possible to mill off an additional 60 to 90 m of the road surface per shift.

The road construction crew was then able to complete 600 m per night in an 8 to 10-hour shift. “The transition to the Wirtgen milling machines was so smooth and seamless due not only to their efficiency, but also to the fast delivery of parts by Pape, (the local John Deere/Wirtgen Group dealer) and the training provided by the Wirtgen Group.” reported Zack Gonzales, General Manager of Maui Paving.

**Photos:**

  
WG\_Maui\_Haleakalā Highway\_01

20% of the material removed by the two Wirtgen milling machines was reused for the new surface layer and laid down with the Vögele paver.



WG\_Maui\_Haleakalā Highway\_02  
The work on the highway was carried out at night. Light balloons from Vögele ensured maximum visibility on the construction site.

  
**WG\_Maui\_Haleakalā Highway\_03**

“It was great when Wirtgen came out and gave us hands-on training on the machines.” reported an enthusiastic Tyrone Pullman, Construction Manager at Maui Paving.

  
**WG\_Maui\_Haleakalā Highway\_04**   
Zack Gonzales, General Manager of Maui Paving, is visibly impressed by the first deployment of the Wirtgen cold milling machines and the Vögele paver.

Note: The photographs shown here are only previews. If you wish to publish them in other media, please download the higher resolution (300 dpi) versions from the link provided here.

**Video:**

 [Please click here to watch the video.](https://www.youtube.com/watch?v=9NvlYMlb7DY)

[**You can find more videos on the Wirtgen Group**](https://www.youtube.com/@WirtgenGroup) **YouTube Channel.**

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