



[Reference Translation]

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Company Name	TOYOKOH Inc.
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TOYOKOH Conducts Test Processing of "CoolLaser" with Yokogawa Bridge on the Kan-etsu Expressway

TOYOKOH Inc. (Headquarters: Fuji City, Shizuoka; CEO: Kazuaki Toyozawa; hereinafter "the Company"), a developer of infrastructure maintenance technology for aging bridges and other structures, conducted a test processing at Tsuchitaru Bridge on the Kan-etsu Expressway. The test was organized by the Company's shareholder, Yokogawa Bridge Corp. (Headquarters: Funabashi City, Chiba; President: Yuzuru Nakamura), for officials of East Nippon Expressway Company Limited (Headquarters: Chiyoda-ku, Tokyo; President: Fumihiko Yuki).

Purpose of the Test Processing

CoolLaser is capable of removing rust and old paint coatings from the steel surfaces of bridges without generating any secondary waste. It also has a high removal effect on salt, which is a primary cause of recurring rust. In snowy regions, salt contained in de-icing agents spread on road surfaces during winter acts as a corrosive factor for steel bridges. The salt removal capability of CoolLaser is expected to extend the maintenance cycles of such structures.

Additionally, since CoolLaser can perform everything from the removal of rust, paint, and salt to the formation of anchor patterns in a single continuous process, it allows for an immediate transition from surface preparation to the painting process, which is also expected to improve the quality of repainting.

In this test processing, salt levels on the steel surface, which exceeded 300 mg/m² in some areas before treatment, were reduced to 6.0 mg/m²—even at the highest remaining point—after surface treatment with CoolLaser. This result significantly and positively exceeds the management standard value of 50 mg/m².

Moving forward, the Company will contribute to the maintenance of social infrastructure in Japan with priority in sites where the unique characteristics of CoolLaser can be fully utilized.

~Related URL~

R2SJ: "Yokogawa Bridge and TOYOKOH Conduct Test Processing of 'CoolLaser' at Tsuchitaru Bridge on the Kan-etsu Expressway (December 24, 2025)"

<https://a24.hm-f.jp/cc.php?t=M360139&c=8278&d=4bef>

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