

Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: June 27-28, 2024

From: TANISHA TAYLOR, Executive Director

Reference Number: 4.21, Information

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Subject: Innovations in Transportation: Lindsay Road Zipper System

Summary:

Laura Huizinga, Technical Sales Manager for Lindsay Transportation Solutions, will provide an overview of the Lindsay Road Zipper System, a moveable barrier technology that can be used for construction work zones, managed lanes, and bridges and tunnels. Ms. Huizinga will highlight the benefits of the technology, as well as California-based applications.

Background:

The Lindsay Corporation is a global company focused on providing irrigation systems, farm and construction machinery, and transportation infrastructure solutions. The Lindsay Corporation has pioneered the Road Zipper System, which provides a movable traffic barrier to manage highway lanes. The Road Zipper System is made up of one-meter sections of reinforced concrete that are pinned together to form a continuous barrier wall; the barriers are lifted and transferred by the Road Zipper Barrier Transfer Machine through a conveyor system.

The technology has three primary applications:

1. Construction – The Road Zipper System allows for off-peak lane closures with a safe and secure barrier separation that can help accelerate construction, improve traffic flow, and safeguard work crews and motorists through managed lanes.
2. Managed Lanes – The Road Zipper System can transfer a mile-long concrete barrier for up to two lanes in less than 10 minutes, making congested highway systems more efficient.
3. Bridges and Tunnels – The Road Zipper System configures lanes for peak traffic direction and maintenance work on facilities with limited space.

The California Department of Transportation has partnered with the Lindsay Corporation to deploy the Road Zipper System on several state highways.

More information on the Road Zipper System is available at:

<https://www.lindsay.com/usca/en/infrastructure/brands/road-zipper/>