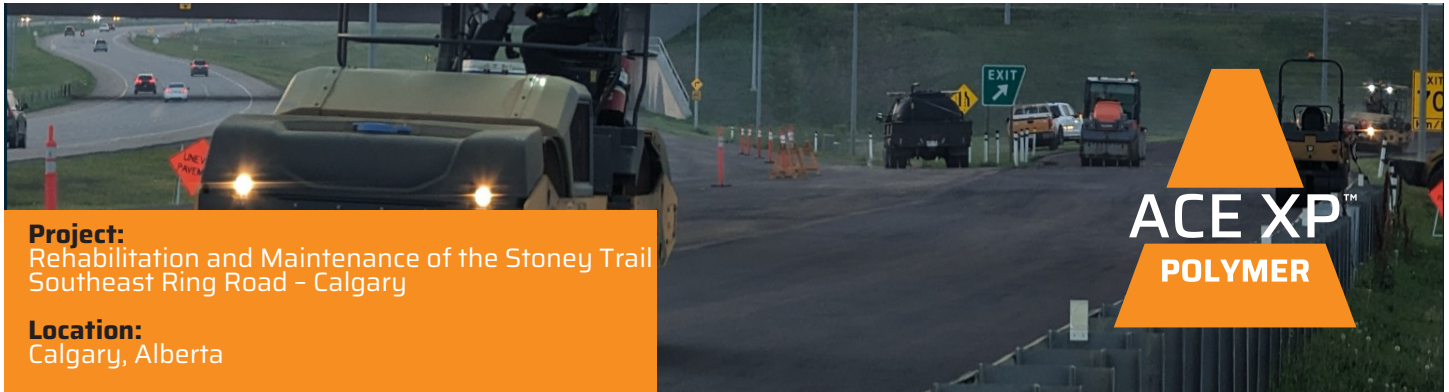


Case Study



Southeast Stoney Trail Calgary Ring Road - 2023

**Project:**

Rehabilitation and Maintenance of the Stoney Trail
Southeast Ring Road - Calgary

Location:

Calgary, Alberta

Date:

Summer 2023

Contractor:

Standard General

Owner:

Chinook Roads Partnership

Engineer:

APTUS

Product:

ACE XP

ACE XP
POLYMER

What We Did

Surface Tech's involvement was integral to the project's success. The following key activities were undertaken:

Technology Integration & Training:

Surface Tech provided Standard General with the DFNDR automatic dosing machine, specifically designed to seamlessly integrate ACE XP fibers into the asphalt mix.

Comprehensive training and certification were provided to ensure that the plant and construction teams were fully prepared to execute the project with precision.

Project Execution:

The project involved laying 15,000 MT of fiber-reinforced asphalt, utilizing the DFNDR machine to ensure consistent and accurate dosing of ACE XP throughout the paving process. *Surface Tech also supported the project with specialized quality control and assurance protocols, which included generating detailed reports after each shift to document fiber dosing, start and stop times, and other critical data.*

Project Scope & Objectives

The Southeast Stoney Trail, part of Calgary's critical ring road network, required significant rehabilitation to address the demands of high traffic loads and harsh weather conditions. *Chinook Roads Partnership, the client responsible for this vital infrastructure, sought a solution to extend the pavement's lifespan and reduce ongoing maintenance costs.* The project focused on the on and off ramps at the Stoney Trail and Glenmore Trail intersections, a crucial area for traffic flow in both northbound and southbound directions.

Surface Tech Contact:

312 S. Cedros Ave., S200, Solana Beach, CA 92075

+1-619-880-0265

info@surface-tech.com

www.surface-tech.com

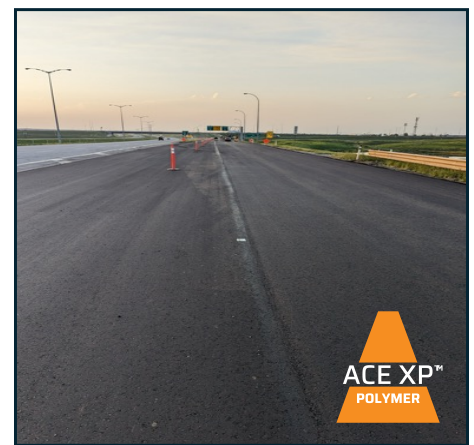
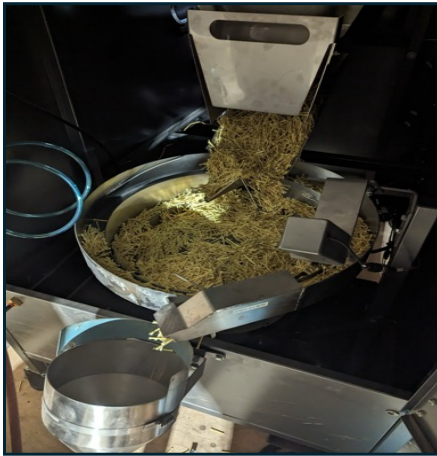


Case Study



Challenges Overcome

The project's primary challenge was the integration of 15,000 MT of fiber-reinforced asphalt within a tight schedule. The use of Surface Tech's DFNDR dosing machine, coupled with the team's expertise, enabled the project to be completed efficiently, within the allocated one-month timeframe, and without exceeding the budget.



Economic & Environmental Advantages

Economic Advantages:

By extending the lifecycle of the pavement, the project significantly reduced future maintenance costs, providing long-term economic benefits. The ease of use and storage of ACE XP, along with the efficiency of the DFNDR machine, minimized material waste and further enhanced cost-effectiveness.

Environmental Advantages:

The implementation of ACE XP not only improved pavement durability but also contributed to environmental sustainability. The reduction in required materials and the extension of the pavement's life cycle helped lower the overall environmental impact, aligning with modern sustainability goals.



Surface Tech Contact:

312 S. Cedros Ave., S200, Solana Beach, CA 92075

+1-619-880-0265

info@surface-tech.com

www.surface-tech.com

