


ITL RCR-12® | EROSION CONTROL/CHANNEL IMPROVEMENTS, TX

PROJECT OVERVIEW

Rapid installation of RCR-12® as an erosion control solution for the City of Irving, TX, replacing traditional methods for better water management and long-term reliability.

PROJECT GOAL

- Implement a reliable, long-term erosion control solution.
- Improve water redirection and reduce erosion.
- Enhance vegetation maintenance and roadside aesthetic appeal.
- Reduce installation time and maintenance costs.

KEY TAKEAWAYS

- Proper grading and subgrade preparation.
- On site training and comprehensive guidance for future maintenance by the city's maintenance team.

City of Irving, TX pilots ITL Reinforced Concrete Roll in erosion control and water management project.

Inland Tarp and Liner (ITL) in collaboration with Ferguson Waterworks, addressed the City of Irving's pressing drainage issues through the installation of RCR-12 as an erosion control solution. This project site was used as a pilot to test RCR as an alternative to 4-6" unreinforced concrete and rock riprap.

Three days from beginning to completion.

This project started on a Friday with subgrade preparation and was completed by midday Tuesday the following week—a total of three working days. This timeline included some touch-up grading and compaction prior to deploying the material. The installation of RCR began and terminated on existing 4" slabs, utilizing 3" self-driving anchor bolts and 1/8-inch stainless steel baton strips with pre-drilled holes. This provided a mechanical transition between the RCR and the existing concrete slabs to prevent undermining and hydraulic issues. The sides were toed in using large rocks, and the city later filled in the gaps with mortar.

Permanent upgrade for erosion control.

In summary, RCR was the perfect solution due to its moldable nature, quick installation, and ability to provide the end user with a reliable, long-term solution for water management.