



Highway 491 Lane Expansion



HydraCX™ Extreme Slope Matrix offers optimum vegetation establishment

LOCATION:

New Mexico

PRODUCT:

*HydraCX Extreme Slope Matrix
Sustane 3-7-2 with Mycorrhizae*

PROJECT PARTNERS:

Owner

New Mexico Department of Transportation

Contractor

Skanska

Caldon Seeding & Reclamation

Completion Date

May 2014

Highway 491, which runs along the western edge of New Mexico, was slated for expansion due to increased traffic volumes. The lane expansion would result in several cut slopes requiring re-vegetation in order to meet regulations.

Challenge

The climate in this area is semi-arid and only receives about 9 inches of annual precipitation. With very warm summer temperatures, the client required a mulch and soil amendment solution that would offer optimum vegetation establishment.

Solution

HydraCX Extreme Slope Matrix was utilized for the mulch cover while Sustane 3-7-2 with Mycorrhizae was recommended as the soil amendment. HydraCX offers the nutrients required to establish growth and Mycorrhizae assists in nutrient and water absorption within the root system.

HIGHWAY 491 LANE EXPANSION

Installation

Two truckloads of HydraCX were installed by a crew of four using a 3,300 gallon hydroseeder. HydraCX is a high loading capacity mulch which allows approximately 20% more per tank load reducing the amount of water required to spray the mulch. Sustane 3-7-2 with Mycorrhizae and Humates was applied at 700 lbs/acre. The project area was approximately 42 acres.

Results

Nilex provided the client with an organic soil amendment solution. The HydraCX required less water per tank load which increased efficiency during application. HydraCX Extreme Slope Matrix and Sustane 3-7-2 with Mycorrhizae offered the climate protection, nutrients and vegetation establishment required by the client.

The Nilex Advantage

Nilex is committed to unearthing better results. Whether it's for a civil, resource or environmental project, we offer the latest engineered and technically superior materials and techniques to save our customers time and money, and minimize the need to move or remove earth, and reduce the need for granular materials.

With over 35 years of experience, a long-standing commitment to the environment and highly qualified staff, Nilex delivers the products and technologies that give clients an economic advantage with environmental benefit.