

Vegetated Concrete Block Erosion Control Mat

Killeen, Texas



SHOREFLEX®
ROADSIDE
CHANNELING

PROJECT TEAM

OWNER:

Texas Department of Transportation

ENGINEER:

Texas Department of Transportation
Austin Division

JOB NUMBER: 3623-01-001

TXDOT Maintenance Dept.
Killeen Texas Office

CONTRACTOR:

Lakey, Inc.

SUPPLIER:

Premier Concrete Products, Inc.

TECHNICAL DESCRIPTION:

Product: ShoreFlex®
Underlayment: LandLok 450
Square Feet: 7,200
Installation Date: Sept. 2016



PROJECT DESCRIPTION:

Texas Department of Transportation arranged for a product specification study to be done for “Vegetated-Concrete Block Erosion Control Mat”. Previously there were no statewide accepted specifications on these types of products for TXDOT engineers to use when appropriate applications site arose. The goal was to compile a state wide specification for vegetated-concrete block erosion mats so that installations and product applications are uniform.

PROBLEM:

A drainage channel, adjacent to the Highway 9 in Killeen, Texas, catches rain runoff from the roadway and is the end of a drainage basin for the surrounding area. Water runoff from the surrounding area accumulated into this previously unprotected drainage channel and was causing erosion problems to the nearby roadway and bridge structure.

SOLUTION:

ShoreFlex® was selected by TXDOT to be installed in the roadside drainage channel as a means to prevent future erosion within the drainage channel and also to assist in the growth and long term stabilization of vegetation within the channel.

CASE STUDY