

UDOT I-15, MP 135 TO MP 142.5 CLIMBING L KANOSH, UTAH, U.S.A.

Reinforced Soil Walls and Slope Reinforcement

Problem

The Utah Department of transportation Project on I-15 required a permanent wire Face MSE retaining wall for the bridge at the climbing Passing Lanes. The Steel product needed to comply with the Buy America Act requirements, provide a minimum of 75 year service life expectancy, feature a free draining element fascia, and provide an aesthetical rockery wall look.

Solution

Hayward & Rees Construction approached Maccaferri Thru Hanes Geocomponents, we submitted a Terramesh MSE Retaining Wall solution which is a single element Gabion Type face unit that has a metal reinforcement element that works in conjunction with MacGrid WG Geogrids for wall stability. The solution provided savings on installation time, utilizing the face rock available on site. Maccaferri Terramesh is included in the Utah DOT Approved list of materials. The wall consisted of about 5,000 SF of Face surface.

Client: Harward & Rees

Designer / Consultant: Terrane Engineering

Contractor: Hayward and Rees

Products used (Qty.)

- Terramesh 260

Date of construction: 06/2020 - 10/2020



I-15 CL a



I-15 CL b



I-15 CL c



I-15 CL d



I-15 CL e