

### Project Information

#### CULVERT STRUCTURE

**Project:** Peka Bridge, Lesotho

**Year:** 2024

**Product Supplied:**

7.83m Span x 4.48m high x 5mm steel x 15m long Superspan structure.

**Project Team:**

Client: Ministry of Public Work

Contractor: LSP Construction

**Armco Representative:**

Quentin Adendorff

Benny Raju – Marian Enterprises

Armco Superspan High Profile Arch Structure completed

### Project Challenge

Water flowing from the highlands area in Lesotho, crossing the Peka road. A large culvert was required to channel the water and to minimise overtopping during the peak rainy season.

It was important that the structure accommodate the high flow capacity and not wash away during heavy rainfall.

### Armco Solution

A Superspan high profile arch structure using a 5mm wall thickness installed on a concrete footing was recommended. The structure was bolted to the unbalanced channel.

A 600 x 300mm concrete ring beam using M20 x 300mm long anchor bolts was constructed at the inlet and outlet of the structure which formed part of the headwall to allow the structure to function monolithically.

**For more information on Armco Corrugated Steel Structures please contact our Construction Products Business Unit on +27 11 974 8511 or visit our website: [www.armco.co.za](http://www.armco.co.za)**

