MACCAFERRI

CASE HISTORY

Rev: 2, Issue Date 16.10.2024

PATHEIN MILITARY AIRPORT PAVEMENT REHABILITATION PROJECT

PATHEIN, AYEYARWADY, MYANMAR

Asphalt Pavement Reinforcement

Problem

The old concrete pavement of Military airport in Pathein was constructed with portland cement concrete (PCC) as teh prime structural element. Over the period of time it started to shwo signs of visual distress. The pavements started to deteriorate gradually by cracking and damage at the joint. Since it is an airbase for defense, it was prime importance to take up the remedial measures at the earliest.

Solution

Maccaferri proposed the asphalt reinforcement to strengthen the pavement as remedial measures. MacGrid ARVG 10 is designed as asphalt reinforcement for the surface layer of 100mm thick asphalt concrete layer of the pavement. These geogrids prevent the surface cracking and allows uniform construction joints. With high tensile strength and high modulus of elasticity at low elongation designed to control reflective cracking. Reinforcement provides a lateral restraint within the asphalt that produces a threefold increase in the service life of pavements by relieving and redistributing stress concentrations.

Client: Military of Defense

Designer / Consultant: -

Contractor: Ministry of construction

Products used (Qty.)

- MacGrid AR	ARVG50-1x100m - 500rolls

Date of construction: 01/2024 - 04/2024

Google Maps Google Earth



site photo



site photo

MACCAFERRI



site photo



site photo

Maccaferri (Malaysia) Sdn. Bhd.
Unit 511, Block G, Phileo Damansara 1, No. 9, Jalan 16/11, Off Jalan Damansara, 46350
Petaling Jaya, Selangor Darul Ehsan, Malaysia
T: +60 3 7955 7800
E: info.my@maccaferri.com