

Ghana



2019 – Adoni Bridge on the Volta River

- 2020 – construction contracts for 1 000 Kilometers of road being finalized
- March 2019 Polyroads was contracted by Austrian company MCE GmbH (<http://www.mce-hg.com/>) and the Ghana Highway Authorities, to seal the Adoni bridge, spanning the Volta river in Ghana, that they had constructed. Rain water was leaking into the asphalt seal, causing the conventional asphalt to delaminate and lift off the bridge's surface.
- The area receives in excess of 2 300^{mm} of rain per annum.
- The Polyroad's sealing mix was formulated using Asphaltech Smart Sealant as the binding agent from Polyroads. The outcome was a coarse matrix, 30mm thick overlay which is capable of withstanding low, medium and high axle loads. The overlay was placed on asphaltic concrete on a metal plate bridge deck, hence the need to exercise extreme caution to ensure an even distribution of the aggregates and the layer thickness.
- The highly trafficked bridge was sealed and signed off by the Ghana Highway Authorities and MCE GmbH in November 2019. To date no further waterproofing issues have been reported.



- SoilTech Mk. III binder - Internationally Agrément Certified

- Roads - 10 Year Warranty with maintenance contract

• SMART MATERIALS

- Internationally certified - WFTAO
- Uses insitu materials
- Stronger roads
- Quicker construction
- Cost effective
- Longevity
- Job creation

• SMART MATERIALS USES

- Road Stabilization
- Side walks
- Parking lots
- Natural Seals
- Cycling paths
- Dam Lining



Under Construction



Night work to eliminate traffic issues



Nov 2019 - Resealed bridge