

Expansive and soft subgrade proof rolled success with Tensar InterAx® geogrid for new subdivision in Maryborough



Bimbadeen Residential Subdivision Estate

Maryborough, QLD

CLIENT'S CHALLENGE

Challenging subgrade tested as low as 0.6% CBR, with swelling up to 8.7% for this new subdivision. Council initially preferred a traditional approach of either in-situ stabilisation or a thicker pavement to provide protection over the subgrade. The consultant wanted to explore geogrid as an alternative solution.

TENSAR SOLUTION

The consultant recommended a 395mm proof roll platform mechanically stabilised layer incorporating Tensar InterAx® geogrid. This new proof roll platform passed with 12mm deflection as originally predicted by Tensar's design method and software. Tensar's geogrid saved excavation costs with an efficient proof roll solution over such a challenging subgrade.



Tensar®

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PROJECT DETAILS

Application

Road and Pavement | No. 549

Constructed in

2025

Project owner

Fraser Coast Regional Council

Contractor

Q-Civil

Consultant

Barlow Shelley

Product

NX850



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