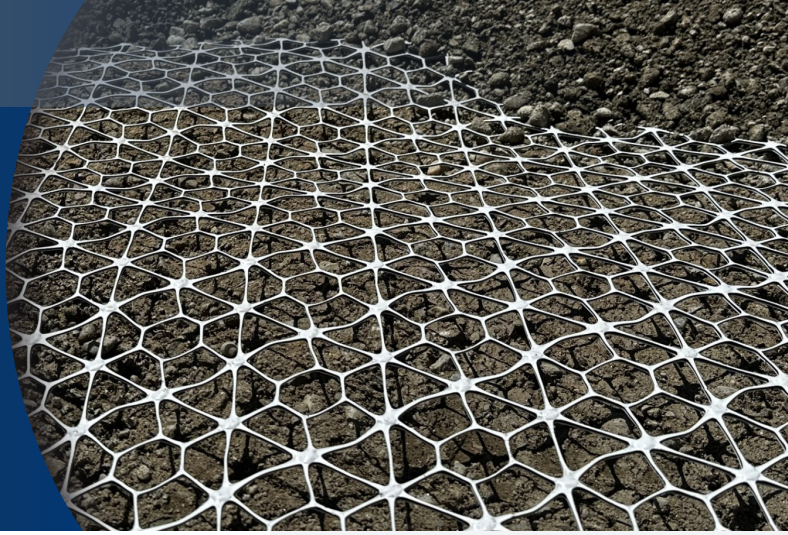


Optimised pavement design using Tensar+ and Tensar InterAx saved time, cost and carbon



Lawrence Street, Wodonga Pavement Rehabilitation

Victoria, Australia

Tensar
A Division of CMC

PROJECT DETAILS

Constructed in
October 2024

Client
Wodonga City Council

Product
Tensar interAx geogrid



Rolling out the Tensar InterAx geogrid on the Lawrence Street pavement site.

Road, Pavement, & Trafficked Areas | No. 509

CLIENT'S CHALLENGE

The project owner faced significant pavement deterioration, with the road nearing the end of its service life. The area, historically developed, had unknown underground services and potentially redundant infrastructure, posing a significant risk of damage during excavation with the original non-stabilised full depth treatment. Environmental concerns, including CO2 emissions and ongoing maintenance, also contributed to the need for a more efficient, sustainable solution.

TENSAR SOLUTION

Tensar's solution optimised the pavement design using Tensar+ Asphalt Pavement module and Tensar InterAx geogrid, resulting in a significantly reduced pavement treatment depth. This approach minimised material requirements, shortened construction time by 35% and reduced construction costs and carbon emissions by 20%. In addition to these benefits, the pavement was strengthened, increasing the design traffic capacity by over 60%. The design was customised to site specific conditions, ensuring better performance, reduced environmental impact, and alignment with the asset owner's requirements.

B E N E F I T S

- **Cost and Time Efficiency** reduces construction time up to 35% and costs up to 20%
- **Environmental Impact** Tensar solution reduced emissions by 20%
- **Enhanced Performance** Traffic capacity increased 60% with strengthening

let us help you with your next challenge: tensarcorp.com/au email: tensarinfo-intl@cmc.com



We're CMC. You'll find our products strengthening and reinforcing the infrastructure nearly everywhere on the planet – in sports stadiums and public buildings as well as highways, bridges, railways and other structures. To serve this global market, CMC maintains facilities across the United States, Europe and Asia. These sites include everything from local recycling centers, steel mini-mills and micro-mills to large-scale fabrication centers, heat-treating facilities as well as other operations. cmc.com ©CMC 2024