Base Reinforcement,

Cross-Country Highway, Israel

The Cross Israel Highway (Highway 6) is a 170 km national electronic toll road traversing the country.

AECON

Highway 6 was built by AECON Canada’s largest construction and infrastructure development company, at a cost of $1.4 billion.

THE CHALLENGE

In response to increased traffic,

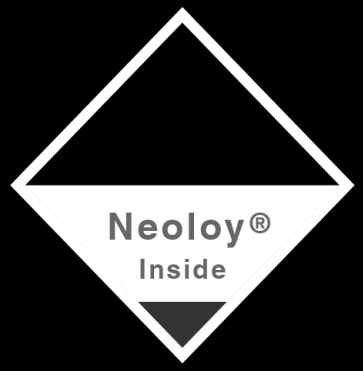
a 3rd lane was to be added in each direction

Conventional Approach:

- 200 mm asphalt
- 200 mm crushed stone base
- Total thickness: 670 mm
- 170 mm subbase

AECON tested PRS Neoloy Tough-Cells
in several pavement sections.

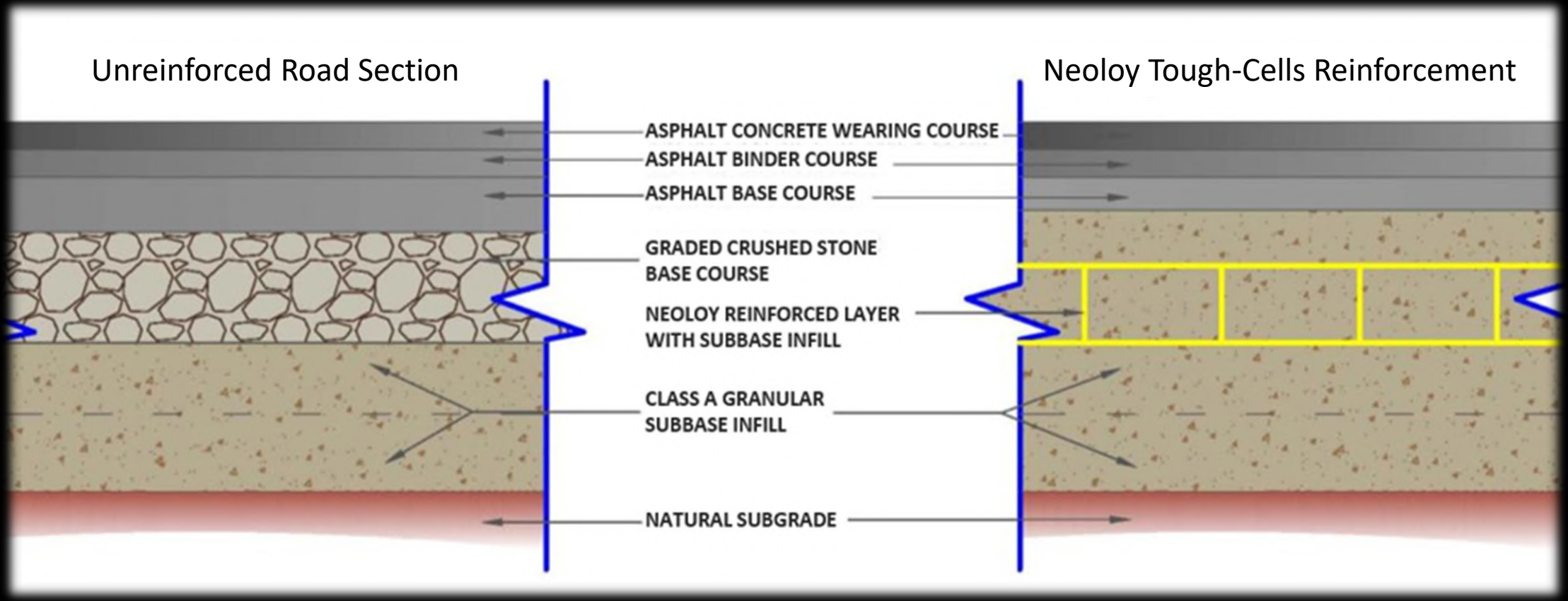
PRS-Neoloy® Tough-Cells Provide Better Performance at Lower Costs



WHY PRS NEOLOY® TOUGH-CELLS?

- Enable subbase quality infill in base layer
- 23% reduction in total asphalt layer
- Better performance –> Less maintenance

PRS-Neoloy® Tough-Cells Cross Section:



Construction Method

Neoloy 330 mm cell size, 150-mm height installed in base layer

Subbase quality infill (reinforced) used in base layer!

THE RESULTS

37%

Infill cost savings

23%.

Asphalt layer saving

50%

Higher load capacity

PRS Neoloy-Tough Cells – Engineered for Success