



427 Northbound Road Repair



Saturated subgrade and damaged asphalt removed

Project:

427 Northbound Road Repair Using TBX2500 Biaxial Geogrid

Contractor:

ConDrain Construction

Challenge:

Badly Saturated subgrade due to silt-laden drainage ditches caused cracking and deflection to the paved surface of the northbound lanes of Highway 427, south of the Highway 7 overpass. A cost effective and timely solution was required to repair this major arterial route through Toronto.

Solution:

The use of TBX2500 allowed the contractor to add a minimum of 250mm of equivalent aggregate depth to their existing excavation depths without the cost and time of additional excavation cost or aggregate volume. The this major thoroughfare was quickly repaired and repaved to minimize the resulting congestion, whilst maximizing the maintenance cycle expected for this type of repair.



TBX2500 laid out over excavated grade



Structural fill laid and compacted on TBX2500