



## Significant Cost and Time Savings Achieved on Runway Rehabilitation

## Toronto Pearson Airport Runway



Mississauga, Ontario

### CLIENT'S CHALLENGE

Runway 06L/24R at Toronto's Pearson Airport was in need of reconstruction. Soft and potentially contaminated soils were present in the area of the runway. The cost of sub-excavation and removal of these soils was prohibitive. Stabilization of aggregate layers over the existing subgrade would be impossible without additional work and treatment.

### TENSAR SOLUTION

Tensar worked with the pavement designers to provide a solution that would mechanically stabilize the recycled concrete aggregate subbase so that sub-excavation and removal of the subgrade soil was not required. The project was originally specified with Tensar TX7 geogrid and a non-woven geotextile for filtration and water wicking. During the project, all parties agreed to switch over to InterAx NX750 geogrid to gain the benefit of better performance.

**Value: The InterAx™ solution allowed the client to achieve cost savings in the millions. An added benefit was time savings, allowing construction to be completed in one season. This also led to a reduced carbon footprint since less truckloads of material needed to be hauled.**

Installation: 2022

Product: NX750 – 45,000 SY

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