

SPECIAL INNOVATIVE PAVING

GORDIE HOWE BRIDGE PORT OF ENTRY

1001 SPRINGWELLS CT, DETROIT, MI

Concrete Contractor: Florence Cement Company
Concrete Supplier: Superior Materials Votorantim Cimentos
General Contractor: Bridging North America
Project Owner: Windsor Detroit Bridge Authority

The Gordie Howe International Bridge is one of North America's most significant infrastructure projects, strengthening cross-border trade between the United States and Canada. Florence Cement Company completed extensive concrete paving at the U.S. Port of Entry, supporting inspection plazas, ramps, roadways, and operational areas.

Concrete placement occurred over two construction seasons. In 2023, 90,787 square yards were placed, followed by 166,970 square yards in 2024, totaling 257,757 square yards. All pavement was constructed at a uniform depth of 11.25 inches, representing approximately 80,550 cubic yards of concrete.

The complex Port of Entry layout required variable-width paving and hand-placed concrete to accommodate inspection lanes, security features, heavy truck traffic, and tight site constraints. In restricted-access areas with embedded infrastructure, hand placement ensured precise tolerances and finish quality.

Through careful coordination on a secure, fast-paced site, Florence Cement Company delivered durable pavement designed to withstand continuous heavy commercial use, demonstrating the planning, craftsmanship, and professionalism required for infrastructure of national and international importance.

