



EUCLID CHEMICAL

PROJECT PROFILE

YORK REGION TRANSIT (YRT) BUS FACILITY EXPANSION



PROJECT DATA

Location – Richmond Hill, Ontario, Canada

Application – Fiber Reinforced Concrete

Architect/Engineer – SAI

Contractor – Morrison Hershfield Limited

Concrete Producer – Dufferin Concrete

Total Area – 55,000 ft² (5,110 m²)

PRODUCTS FEATURED

TUF-STRAND™ SF

Macro Synthetic Fiber

SCOPE OF PROJECT

- Crack control on environment exposed concrete topping deck and ramp.
- Limited site accessibility and storage area



**2023 INNOVATIVE FIBER
PROJECT OF THE YEAR
(MACROFIBER CATEGORY)**

PROJECT SUMMARY

The York Region Transit (YRT) Bus Operations and Maintenance Facility Expansion project is located at 55 Orlando Avenue in Richmond Hill, Ontario and involved a major addition to the existing bus storage facility built in 2015. In addition to accommodating 500 buses, the new expansion will also feature a roof top parking structure to meet the required parking for facility staff, including an access ramp. All concrete on this application was reinforced with 2.4 kg/m³ (4 lb/yd³) of TUF-STRAND SF to provide a crack free and more durable structure. The existing facility and operations remained fully operational throughout the construction phase of this project with storage space at a minimum - TUF-STRAND SF fibers, as the concrete reinforcement, was included directly in the ready-mix truck, allowing for the construction project to be completed faster, cleaner and cheaper.