



Halifax International Airport Groundside Development

Responding to an airport's growing needs for parking

To accommodate rapid growth at this active international facility, the Halifax International Airport Authority called for the development of a new 2,400-space parking structure to be located on an existing parking lot north and west of the terminal building. NORR's approach was to design a landmark structure on the airport campus that was efficient, open and safe.

The five-level building features a distinctive basket weave of precast concrete on two sides and the other two left open with only stainless steel mesh and steel cable car barriers. This design strategy allows ventilation, daylight penetration and clear views to the adjacent airport terminal for easy wayfinding and visibility for safety purposes. The first level encompasses 350 spaces for rental vehicle parking and processing, while the remaining levels were designated for general public parking including provision for oversized handicapped vehicles. A new north pedway and central pedestrian bridges between the new parking structure and the airport terminal building facilitated efficient access for users.

NORR's team, which included parking garage planning consultants, local architects and engineers, developed detailed construction plans, specifications and tender documents for the purpose of site review, co-ordination of all engineering disciplines, tendering a design, bid and build contract for the construction of the modern parking garage.

CLIENT	Halifax International Airport Authority
PORTFOLIO	Transportation
CATEGORY	Aviation
SIZE	888,025 SF (82,500 SM)
LOCATION	Enfield, NS, Canada
DATE	March 2009
SERVICES	Architecture MEP Engineering Structural Engineering

AWARDS

- 2012 International Parking Institute (IPI) Awards of Excellence - Award of Merit
- 2010 Precast/Prestressed Concrete Institute (PCI) Design Awards Program, Best Parking Structures Award

Transportation

NORR's Transportation Studio develops aviation, transit and multi-modal hub solutions for clients around the world. We understand the needs of government and private operators to maintain, upgrade and provide new transportation services and supporting infrastructure. Our design solutions are purpose-driven to build better, more efficient and environmentally-friendly transportation nodes that incorporate flexibility for future system expansion.

Integrated Designs for Aviation

NORR has proven expertise in all aspects of airport design, engineering and operations, from curb side to airside. Our global team has designed and managed complex projects for the transportation industry, including terminal buildings, parkades, maintenance and training hangars, de-icing facilities, runways, taxiways and aprons. Our design work extends to master planning, interior reconfigurations, lounges and retail buildouts. NORR has been involved with prestigious projects located worldwide, beginning in 1964 with Canada's largest airport, Toronto Pearson International Airport.

Managing the Complexity of Transit Projects

Public transit, including subway and light rail transit, is vital to a healthy sustainable city. At NORR, we work collaboratively with all levels of government and private operators to provide planning and programs that increase capacity, eliminate spatial and technical limitations on balance with financial realities. We have

developed a framework for detailed project phasing and staging strategies, for design implementation through to construction, that has the least impact on the system and traffic flow.

Multimodal Transit Hubs

All levels of government are looking to move people and goods through multimodal transit hubs providing more options, enhanced service and increased efficiencies. NORR has been at the forefront of planning, developing, and implementing projects that include regional transit, railway and, ferry terminals and border crossings. Our experience goes far beyond design and engineering. Today, the reduction of carbon dioxide emissions, elimination of noise pollution and resolution of other environmental issues are all integral aspects of our work.

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