



Parrish & Heimbecker Quebec City Storage Expansion Project Description

Who Parrish & Heimbecker is:

Parrish & Heimbecker, Limited (P&H) is a Canadian, family-owned, vertically integrated agribusiness with a legacy spanning over 115 years. Headquartered in Winnipeg and operating more than 90 locations across seven provinces, P&H is recognized as one of Canada's largest full-service grain-handling and crop-input supply companies, the largest Canadian-owned flour miller, and the third largest grain handler nationally. Its diversified operations encompass grain merchandising, crop inputs, flour and feed milling, animal nutrition, poultry farming, egg grading, and food processing, serving customers in 35 countries and employing over 3,300 Canadians.

P&H's impact on the communities it serves is substantial. Through our national network of assets, P&H supports thousands of Canadian producers, fosters local employment, and drives economic activity in rural and urban centers. The company's investment in infrastructure and innovation ensures Canadian producers have access to global markets, competitive pricing, and agronomic support, thereby strengthening the resilience and prosperity of agricultural communities nationwide. Further, P&H is dedicated to being a steward in the communities it services. Through time and financial commitment, P&H invests where it operates and encourages its entire national team to be active members of the communities in which they live.

The Port of Quebec represents a critical strategic asset for P&H. Quebec City offers a deep-water export location beyond the locks of the St. Lawrence Seaway and much of the river freeze-up, ensuring year-round access to international markets. Its position as a key rail link enables efficient movement of grain from Western Canada directly to the port and onward through the Gulf of St. Lawrence. Investment in the Port of Quebec is vital, as it opens new and expanded trade routes to the UK, Europe, Africa, and the Middle East. Currently, P&H exports to 16–20 countries throughout the full winter season via east-bound routes, with Quebec serving as a pivotal link. Unlike alternative facilities along the river, Quebec City's deep-water capabilities and location east of the seaway's locks and freeze cycles provide unmatched logistical advantages.

In summary, P&H's commitment to strategic infrastructure and community investment—exemplified by the Quebec City export facility—reinforces its leadership in Canadian agribusiness, drives community prosperity, and secures Canada's position in global agricultural trade.

Project Overview and Scope:

Parrish & Heimbecker has engaged Todd & Sargent, Canada, ULC under Construction Management Services to design, engineer, supply, and install two new steel bins (BN06 and BN07) with a total storage capacity of 28,618MT (based on corn) at their Quebec City Terminal. The scope includes all associated concrete foundations, steel bridges, structural supports, conveyance systems for top distribution and bottom reclaim, and integration with existing infrastructure. The project encompasses preconstruction planning, engineering, site preparation, bin foundations, formwork, concrete works, steel fabrication and installation, rebar placement, electrical and automation systems, material handling equipment, and dust control systems. Construction activities will be managed under a 42-week schedule, with the final storage expansion designed to match existing bins BN03 and BN04 located directly north of the new storage expansion.

Key components include geotechnical testing, removal and protection of existing underground utilities and structures, installation of steel driven pile foundations, forming and pouring of concrete bin slabs and walls, erection of steel bins and bridges, installation of bin sensors and sweeps, installation of aeration platforms and fans, and implementation of controls and automation systems for all conveying equipment and dust control. Additional ancillary upgrades that will be completed will include addition of new spout runs, diverter valve, and aeration fan silencers to progress material handling equipment efficiency, functionality, and noise mitigation measures there-by improving existing facility operations.

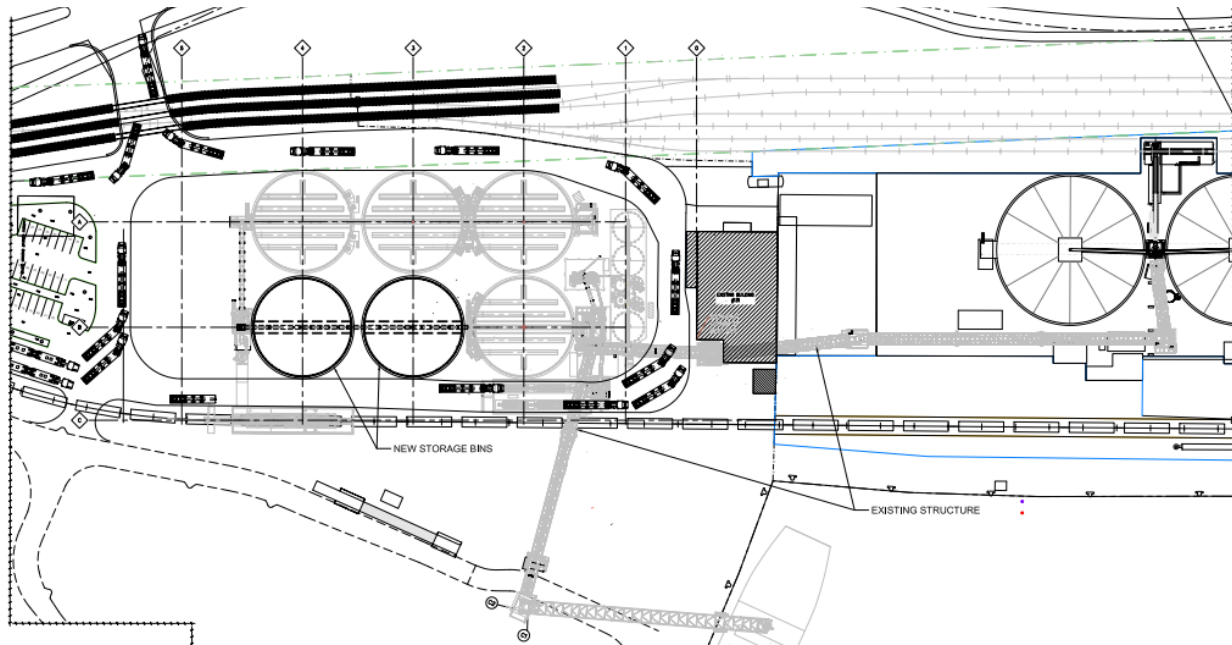
Project Justification:

This storage expansion is critical to P&H's operations as we finalize site operations between P&H, and our neighbours QSL. Currently P&H is utilizing one of the white domes for grain storage as we require the combined storage of one dome, as well as the existing steel bins to accommodate our operations.

This overall capacity is required due to the size of vessels, and trains that are accommodated at this facility. To facilitate P&H unloading the train and vessels at the facility that our operations require, and to load the outgoing vessels a minimum of 80,000MT of storage is required.

It is essential for P&H to proceed with these new steel bins as we return the dome to QSL for their sole use, and still maintain the minimum 80,000MT of grain storage to accommodate our export port operations.

As is shown on the site plan below these bins will be located directly adjacent to the existing steel bins. The result will be a reduction in conveyance of product when P&H unloads trucks, vessels, and trains into storage.



Scope and Sequence:

Construction:

- Phase 1 – Design
 - Develop General Arrangement and Structural Drawings/Specs
 - Duration: 12 weeks
- Phase 2 – Construct Bin Foundations
 - Piling Scope: Supply and Install steel driven piles
 - Temporary Equipment: rotary drill rig, impact pile driving rig, 50–75-ton crane AT/RT, excavator, or front-end loader for tailing removals
 - Duration: 8 weeks
 - Concrete Foundations Scope: Construct Concrete Matt Slab, Walls, Top Slab complete with Earthworks and Bin Fill (x2)
 - Temporary Equipment: concrete trucks (material supply), concrete vibrators, power trowels, power screeds, temporary scaffolding/shoring, telehandler
 - Duration: 12 weeks
- Phase 3 – Supply and Erection of Steel Bins and Structural Steel
 - Bin Erection Scope: Supply and Erect Steel Bins (x2)
 - Temporary Equipment: 75-100-ton crane AT/RT (for bin peak), bin jacking system, telehandler, temporary scaffolding/shoring, boom lift
 - Duration: 8 weeks
 - Bin Equipment Scope: Supply and install Bin Gates, Bin Sweeps, and Aeration Fans w/ Silencers

- Temporary Equipment: telehandler, temporary scaffolding/shoring, hoisting/rigging gear, boom lift
 - Duration: 7 weeks
 - Tower Installation Scope: Supply and Erect Steel Bridges and Bin Eave Supports
 - Temporary Equipment: 160–180-ton crane (x2), telehandler, hoisting/rigging gear, boom lift
 - Duration: 4 weeks
- Phase 4 – Conveyance Equipment, Controls and Electrical Installation
 - Equipment Installation Scope: Supply and install Top Distribution Belt Conveyance, Bottom Reclaim Belt Extension Conveyance and Dust Control Equipment
 - Temporary Equipment: 160–180-ton crane (x2), telehandler, hoisting/rigging gear, boom lift
 - Duration: 7 weeks
 - Electrical and Controls Scope: Supply and Install Electrical/Controls Systems
 - Temporary Equipment: telehandler, hoisting/rigging gear, boom lift
 - Duration 10 weeks
 - Commissioning Scope: Testing and Commissioning of Controls/Electrical/Equipment
 - Duration: 7 weeks

Operations:

- Phase 5 – Operations – This phase will commence directly after the commissioning phase is complete.
 - New bins will be used to supplement existing 4 large steel bins for additional storage at Phase 2. This will also see P&H ceasing to utilize the domes in Phase 1 for grain storage.
 - The new steel bins will be replacing the dome storage P&H is using in the interim. As such there will no increases to the P&H operations these new bins. The truck and rail traffic, and facility operating hours will not be changed as a result of the new steel bins.
 - Filling of Bins:
 - Bins will be filled utilizing existing bucket elevators infrastructure to elevator the grain, utilize a combination of existing enclosed belt conveyor, and new belt conveyors to fill the bins.
 - Bins will be filled with traditional grains supplied by vessel, train, and truck.
 - The filling process will be equivalent to the process for filling the existing 4 large steel bins currently.
 - Bin Storage
 - These new bins will have aeration systems equipped with noise silencers to allow for air to be blown through the grain as it is stored.
 - Emptying of Bins:
 - Bin will be emptied using a combination of gravity discharge, and bin sweep reclaim to empty grain from bins onto an existing belt conveyor that will be lengthened under the bins. This belt conveyor will then

convey the grain to existing bucket elevator infrastructure to follow the existing path to either move the grain from bin to bin, or from bin to vessel.

- These new bins will have a paddle bin sweep reclaim system as opposed to the auger bin sweep reclaim system in the existing bins. This will reduce the need for utilizing the ditch witch when cleaning out these new bins compared to the existing 4 steel bins.
- The emptying process will be equivalent to the process for emptying the existing 4 large steel bins currently with the exception with the reduced need to the ditch witch.

Noise Mitigation:

- Existing Equipment
 - Currently P&H has proceeded with installing noise mitigation apparatus on the main two bucket elevators, as well as a pilot project on a dust filter system on one of the steel bin filling conveyors.
 - P&H will be working with noise pollution specialists throughout 2026 to implement additional noise mitigation apparatuses on additional pieces of equipment throughout the site in an effort to minimize the noise impact of the site.
 - As P&H completed the installation of noise mitigation measures we will continue to provide the Port of Quebec with the noise reduction impacts of these measures.
 - For the new steel bins P&H will be work with noise pollution specialist to implement noise mitigation apparatuses on the new equipment as required as part of the initial installation.
- Relating to Project Construction
 - Prior to construction commencing P&H will work with noise pollution specialists to develop noise mitigation measures that can be installed during construction to minimize the noise impact from construction as much as practical. This will be most importantly as we work towards mitigating the noise resultant from the foundational piling activities.
 - P&H will participated in the Port of Quebec's Impact Assessment process, and comply with the requirements of this process including public consultation.

Supplemental Project Drawings to follow:

- E100_B_Site Plan
- E101_A_Site Plan No Utilities
- E151_A_Overall Site Layout During Construction
- E152_A_Overall Site Facility with Site Image
- E200_B_Ground Floor Plan
- E210_B_Bin Roof Plan
- E211_A_Bin Roof Bridge Crane Plan
- E300_B_Sections