



OPTIMIZATION

NOR-EX's Mission includes optimizing on-ice operations in a safe, economic and reliable manner. Our experienced application of a comprehensive risk management framework allows us to improve efficiencies and reduce project risk through engineering, operational and administrative controls.

Working with our clients, NOR-EX can develop optimization solutions that will:

- Safely Extend your Operating Season
- Maximize Payload
- Reduce Overall Project Costs
- Increase Reliability of Delivery of Supplies

Optimization solutions also include:

- Feasibility Assessments
- Project Planning for efficient logistics

CASE STUDY

PROJECT NAME:

Tibbitt to Contwoy to Winter Road (TCWR) Fuel Haul Optimization

PROJECT DESCRIPTION:

Approximately 150 million litres of diesel fuel needs to be transported over ice each season. This requires between 3100-3700 loads on 8 axle Super B tractor and trailer configurations.

CHALLENGE:

Owner needs to reduce the operating costs of the TCWR without sacrificing operational safety.

SOLUTION:

NOR-EX developed a specific load chart for the 8 axle Super B fuel hauler and implemented a Quality Assurance Program to verify vehicles meet load and dimension requirements.

RESULTS:

TCWR is able to safely increase Super B fuel hauler payload weights by more than 5% and reduce the overall number of loads required, resulting in substantial cost savings.

TESTIMONIAL:

"The Tibbitt to Contwoy to Winter Road Joint Venture achieved very significant annual cost savings as a result of NOR-EX's optimization strategy"

—Ron Near, Director of Winter Road Operations, TCWR