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PETROLEUM TECHNOLOGY ALLIANCE CANADA

REPORT

Level Best

Drilling Seasonal Load Leveling Business Case

FINAL REPORT

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**Prepared by
PTAC Petroleum Technology Alliance Canada
and Deep Blue Associates**

DEEPBLUE

Recognition and Disclaimer

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Please note: The observations and conclusions expressed within this document do not necessarily represent the positions of those who contributed funding, information or guidance to this project.

6.3.3. Road Restoration

The Road Badger is a piece of road restoration equipment used to rehabilitate and extend the serviceability of gravel, cold mixed, oiled and dust abated roads. The machine was specifically designed for rehabilitation and product conservation of aggregate based roads. The company is based and operates in Nisku, Alberta. A picture of the Road Badger can be found in Appendix C.⁵⁸

The performance of the machine has received favourable reviews from various sources. An Edmonton-based engineering firm compared costs between traditional oiled road maintenance and the Road Badger operation on a number of road sections. These comparisons indicated a cost savings of \$1,600 to \$3,785 per section or from \$500 to \$1,000 per hour of Road Badger operation.⁵⁹

Additionally, a major oil and gas operator used the Road Badger to rehabilitate 115 kilometres of rugged oil field roads in the muskeg country of northeast Alberta. The Road Badger provided significant road maintenance cost savings in comparison to re-gravelling the same sections of road. This improved surface condition also resulted in reduced equipment repair and maintenance costs. The company saved over \$2 million in product and associated costs over a five-month period, when including savings from fuel, aggregate material, and emission reductions. As a result of these positive results, the Road Badger has received repeat business and a strong endorsement from this operator.⁶⁰

⁵⁸ Road Badger Inc., www.roadbadger.com

⁵⁹ Aggregates & Roadbuilding Magazine, <http://rocktoroad.com/reconstructing.html>

⁶⁰ Road Badger Inc., www.roadbadger.com

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Figure 56. The Road Badger.
Source: www.roadbadger.com