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ALE SKID, NAVIGATE AND LIFT 1,000T MAIN ARCH FOR WALTERDALE BRIDGE IN CANADA



ALE has successfully completed the skidding, navigation and lifting manoeuvres of the 1,000t main arch as part of the Walterdale Bridge replacement project in the city of Edmonton, the capital of Alberta, in Canada.

ALE was contracted by APJV (ACCIONA - Pacer joint venture) to proceed with the skidding, navigation and heavy lifting of the main arch.

ALE started the skidding and navigation operations in November and completed the lifting of the main arch in January.

ALE used the monitored external ballasting system for modular pontoons. The skidding was performed by coordinating the skidshoes system located on land with the mooring system located on the barges. The mooring system was composed of four winches attached to the barge.

Once the skidding was completed, the arch was transported by two pontoons located on the interior supports along the North Saskatchewan River until they reached the final position.

The arch was then positioned ready for in vertical lifting, which was carried out using four lifting units in just over five hours. ALE is expected to complete in the second and final lift in April 2016.

Álvaro Sáenz, Project Manager for ALE, said: "It is fantastic to be working on this monumental bridge project. Our multidisciplinary and experienced team have been working in extreme conditions for many weeks, achieving high quality engineering and have completed these complicated manoeuvres in a timely manner. This is a challenging scope and despite the narrow time frame and frosty weather conditions, ALE completed this phase safely and on schedule."

"This was a truly impressive operation. The team worked tirelessly to complete the critical skidding, navigation and installation of the 950 tons central arch necessary for the Walterdale Bridge replacement. We are very happy to have achieved this critical milestone," said Pedro Martinez, ACCIONA Project Manager for the Walterdale Bridge Replacement Project.

The replacement project, with a budget of \$155 million, involves the implementation of the



first bridge of this type in the city of Edmonton. This modern structure, with two arches measuring 56m high, will replace the old Walterdale Bridge, which has served the city for over a century.

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Image 1: ALE progress with the Walterdale Bridge Project as they skid and navigate the main arch, weighing 1,000t, in Edmonton.

Image 2: ALE lift the main arch of the Walterdale Bridge.

ABOUT ALE

Founded in 1983 by Roger Harries, ALE delivers a highly tailored, end-to-end service covering every aspect of the handling, transportation and installation of heavy, indivisible loads, including lifting, transporting, installing, ballasting, jacking and weighing.

ALE delivers strategic heavy-lift services to a wide range of sectors, including civil, oil and gas, energy, nuclear, offshore, renewables, petrochemical, ports, marine, minerals and metals and mining.

ALE has more than 30 offices across Europe, the Far East, Africa, America, South America, the Middle East and Australia. It is fully compliant with international standards of safety and excellence, including Quality standard ISO 9001:2008, Environmental standard ISO 14001:2004, and Health and Safety Standard OHSAS 18001:2007. ALE is also registered and qualified in the Achilles Norway and Link-up systems, and is a member of both the British Safety Council and the British Standards Institution. Further information can be found on the ALE website at www.ale-heavylift.com