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ACN 109 200 900

## AUSTRALIAN SECURITIES EXCHANGE ANNOUNCEMENT

11 April 2017

# FIRST ORDER FOR EDENCRETE® FOR TEXAS PRE-STRESSED BRIDGE BEAMS

## HIGHLIGHTS

- **First order for more than US\$100,000 of EdenCrete® received from a major Texas based pre-stressed concrete manufacturer for use in pre-stressed bridge beams in Texas.**
- **First bulk delivery of EdenCrete® into the huge Texas infrastructure market dispatched from Eden's plant in Colorado.**

## DETAILS

Eden Innovations LLC, the wholly owned US subsidiary of Eden Innovations Ltd ("Eden") (ASX: EDE), has received its first order for EdenCrete®, worth more than US\$100,000 (approx. A\$133,000), from Valley Prestress Products, Inc. ("Valley"), a major Texas based pre-cast/ pre-stressed concrete manufacturer with whom Eden has entered into a three year, bulk supply agreement to supply Valley with the required EdenCrete® (see **Announcement ASX: EDE 3 April 2017**).

To supply this order, the first bulk delivery of EdenCrete® into the huge Texas infrastructure market has been dispatched from Eden's plant in Colorado using a road tanker (see **Figure 1**), to be delivered into a dispensing tank (supplied by Eden) at Valley's plant in Texas.

This order follows the approval by the Texas Department of Transportation ("TxDOT") of the use of EdenCrete® in two proprietary concrete mixes developed by Valley that incorporate EdenCrete® at a dosage rate of 0.5 US gallon/ cubic yard (2.476 litres/ cubic metre) of concrete (see **Announcement ASX: EDE 3 April 2017**) in pre-stressed concrete beams which are used in the construction of bridges in Texas (see **Figure 2**).

Whilst there are no minimum sales requirements in the bulk supply agreement, and it is not certain exactly what will be the aggregate sales of EdenCrete® to be supplied on an annual basis, based on the current throughput at Valley's first plant where the first load is to be delivered (Valley also has three other precast plants in Texas), Eden is anticipating that the sales to the first plant alone could be in the order of US \$1million per annum.

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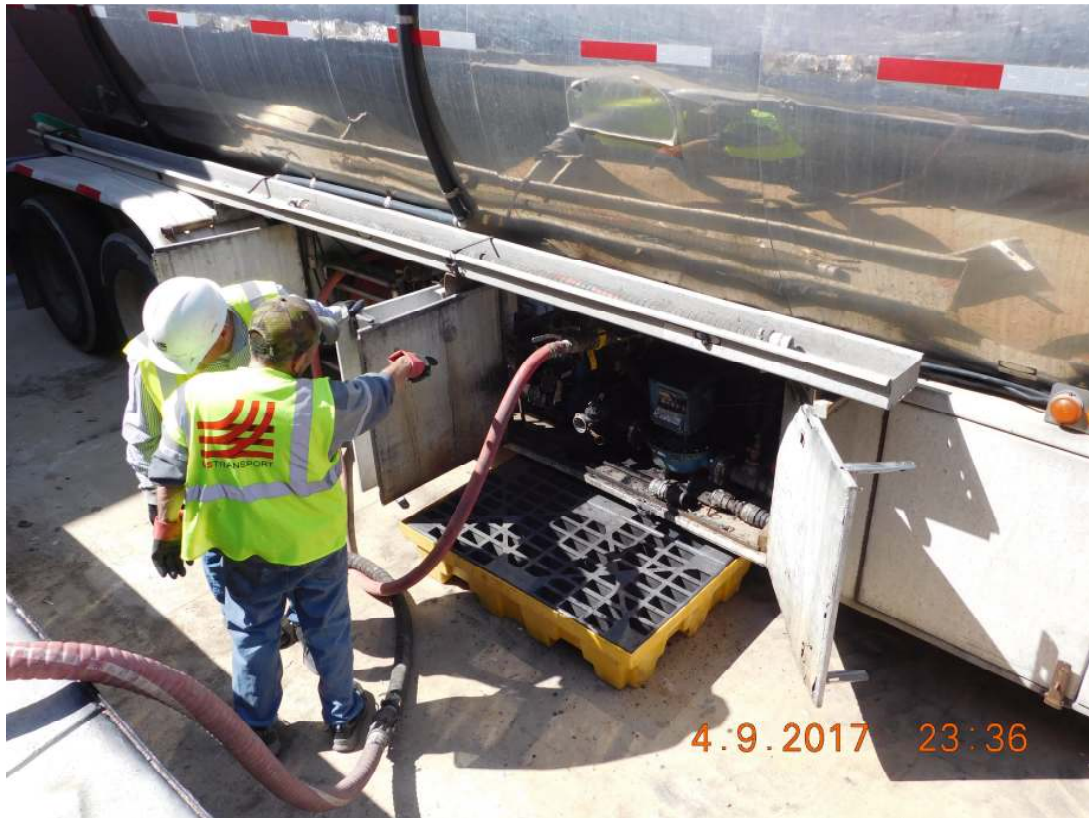


Figure 1. First bulk delivery of EdenCrete<sup>®</sup> being loaded into delivery tanker



Figure 2. Typical prestressed bridge beam being fabricated at Valley Prestressed Products

This first bulk order was loaded into the road tanker in Colorado using a temporary loading arrangement. Future orders are anticipated will be loaded using a purpose-built loading facility that is currently being built and which is scheduled to be fully operational, along with the rest of Eden's expanded Colorado based EdenCrete® production facility, by the end of this month (April 2017).

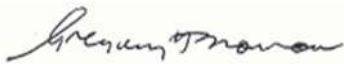
In addition to the progress already made with Valley, Eden has also commenced working with other TxDOT approved precast manufacturers to develop suitable concrete mixes that include EdenCrete®, with the objective of also having these additional mixes approved by TxDOT, with a view to expanding of the EdenCrete® sales footprint in Texas include these other precast/prestressed manufacturers.

## **BACKGROUND**

*EdenCrete® is Eden's 100% owned, proprietary carbon-strengthened concrete additive, one of the primary target markets for which is improving the performance of concrete used in the construction and maintenance of concrete roads, bridges and other infrastructure. Additionally, it has potential for use in a range of other concrete applications including high-rise building construction, marine and coastal applications, water storage and pipelines, and pre-fabricated concrete structures and products.*

*The precast concrete market represents a large portion of the total US concrete market. In particular, in addition to precast building products for low and high rise construction, the use of precast products is particularly common in the construction and maintenance of bridges, and the US bridge market is a primary target for the possible future use of EdenCrete®. In July 2015, the US Federal Department of Transportation published a State-by-State analysis of the condition of Federal roads and bridges in the USA <sup>(1)</sup>, and concluded that of the 604,000 bridges, over 124,000 were functionally obsolete or structurally deficient.*

*Most relevantly, Texas has both the most bridges (52,561) of any State, representing 8.68% of all the bridges in the USA, of which 9,998 (or 19% of all the bridges in Texas) were determined by the US Federal Department of Transportation to be functionally obsolete or structurally deficient.*



**Gregory H. Solomon**  
Executive Chairman

(1) <http://www.transportation.gov/briefing-room/dot-fact-sheets-highlight-grim-state-us-roads-and-bridges>