



ANCHOR CONCRETE PRODUCTS LIMITED

INNOVATION THROUGH ENGINEERING

Supersized Highway Requires Supersized Precast Culvert and Super Easy Installation

Press Release,

November 11, 2013

Kingston, ON: Anchor Concrete Products Limited is proud to announce our first contribution to the Highway 407ETR extension which involved the supply and delivery of supersized precast culverts installed off of Anderson Street in Whitby, Ontario. The installation included 44 sections of precast box culvert with a combined weight of over 2,640 tonnes placed in just four days.

Culvert infrastructure has a variety of uses including short-span bridges, underpasses, storm water and stream water conveyance. Anchor's 407 culverts fulfill all three of these uses. The Anchor team worked with the 407 group to design a product that would meet their challenging schedule while providing a high quality structure. The solution provided by Anchor was an innovative, two piece, "clamshell" culvert that incorporated a "cantilever" joint. This allowed the contractor to place the culvert pieces using only a crane, eliminating the normal task of pulling the pieces together. This innovative design produced both a very tight fit between the culvert sections as well as allowing a quick, user friendly placement of the structure. The culvert has a 2.1 metre interior height and an 8 metre interior span, its spacious interior will allow wildlife to use the culvert as an underpass; a design that is popular in Alberta and British Columbia due to their large wildlife population. These underpasses give animals a safe passageway to cross the high traffic freeway helping to protect Canadian wildlife and motorists from potentially fatal collisions.

The ease of this innovative design was highlighted throughout the installation. Contractors at Brennan Paving that are developing the 407 extension off Anderson Road and installing our culvert, were surprised with the easy installation of these large pieces, installing up to six pieces an hour. This means that in just 10 minutes roughly 35 tonnes of concrete was safely lifted and placed. "It was a pleasure to see that the contractor, Brennan Paving, did an exceptional job leveling and compacting the granular base, which allowed our efforts to shine through" said Jeff Bradfield, Anchor Concrete's President and CEO.

"This is quite an achievement for Anchor, showing that excellence in design, tight tolerances, quality control in manufacturing and shipping allowed us to place over 1000 tonnes of precast" said Jeff Bradfield on the jobsite Monday October, 29. "Watching the installation made me extremely proud to be the president of such a capable company".

Installation of the culvert bottoms was completed that Monday. Installation of the tops was delayed by inclement weather however they were completed the following Monday November 4th, concluding the installation of the precast pieces. This culvert section, which is the first of three, runs 76.6 meters long and 3.5 meters high at its tallest point, making it one of the largest concrete culvert installations in Ontario, and this is only one section of the job Anchor has been contracted to complete for the 407ETR extension. The next culvert installation will even bigger.

For more information on Anchor Concrete Products Limited, please visit www.anchorconcrete.com.

To see a video of the installation, visit: <http://www.youtube.com/channel/UCQZVP7THojUgECPE-n6qk1A>

###

For more information, please contact:

Fawn Bradfield

Marketing and Sustainable Communities Coordinator

Anchor Concrete Products Ltd.

Tel: (613) 546-6683 ext. 272

Email: fbradfield@anchorconcrete.com

Web: www.anchorconcrete.com

1-800-223-0012 • 1-613-546-6683 • FAX: 613-546-4540

1645 SYDENHAM ROAD • KINGSTON • ONTARIO • CANADA K7L4V4 • WWW.ANCHORCONCRETE.COM

