



# 23rd Avenue Storm Sewer Design Build Project NRFP No. 928178

**LOCATION:** Edmonton, Alberta  
**OWNER:** The City of Edmonton  
**OWNER CONTACT:** Minnan Liu Ph. D., P. Eng - Project Manager  
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**ARCHITECT OR ENGINEER:** HATCH  
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## PROJECT PROFILE

Dibco-CRS, A Joint Venture has been awarded a Design Build Contract with the City of Edmonton to construct a 215m long x 3.0m I.D. segmentally lined tunnel, between shafts 6A and 6C, using a RME 137SE Earth Pressure Balance (EPB) Tunnel Boring Machine.

The challenges of this project are to successfully mine the tunnel which is composed of very soft water bearing soils, while maintaining surface settlements to a minimum, and negotiating a 210m radius curve.

Other works to be performed on this project consist of the completion of Shaft 6A and enlarging the Retrieval Shaft (6C) from 4.5m to 8.0m ID. The 3m ID segments for the project were cast locally at Lafarge Canada Inc.

Mining commenced on April 13, 2016 and is anticipated to be completed by the end of May 31, 2016.



**TOTAL VALUE OF CONTRACT:**  
\$ 6,300,000.00

**COMPLETION TIMELINE:**  
NOVEMBER 16, 2015 - JUNE 7, 2016

**COMPLETED AS:**  
DIBCO-CRS, A JOINT VENTURE, INC.