



ASSET MANAGEMENT  
AND PUBLIC WORKS

DRAINAGE SERVICES  
DESIGN AND CONSTRUCTION  
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To Whom It May Concern:

In 2007, the City of Edmonton, Drainage Services, contracted CEMATRIX (Canada) Inc to supply and install materials for a tunnel concrete invert and the tunnel annular fill. The project was a 560 m long, 3 m diameter tunnel housing a 1.5 m water line underneath the North Saskatchewan River near the EL Smith water treatment plant. CEMATRIX was asked to supply a 2 MPA concrete for the water line support and to then supply a lightweight cellular concrete for the annular fill.

The advantages that CEMATRIX and cellular concrete provide are the speed of construction, ease of installation, high productivity rates (low manpower requirements), and quality of products and services. The cellular concrete use allowed crews with expertise in tunneling construction to focus on those tasks while CEMATRIX managed the concrete invert and annular fill. The high capacity equipment and flexibility of schedule by CEMATRIX helped us meet and exceed a very aggressive construction schedule.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Rajbhandari".

Binod Rajbhandari, D.Eng, P.Eng  
Senior Engineer, Drainage Design and Construction  
Asset Management & Public Works Department