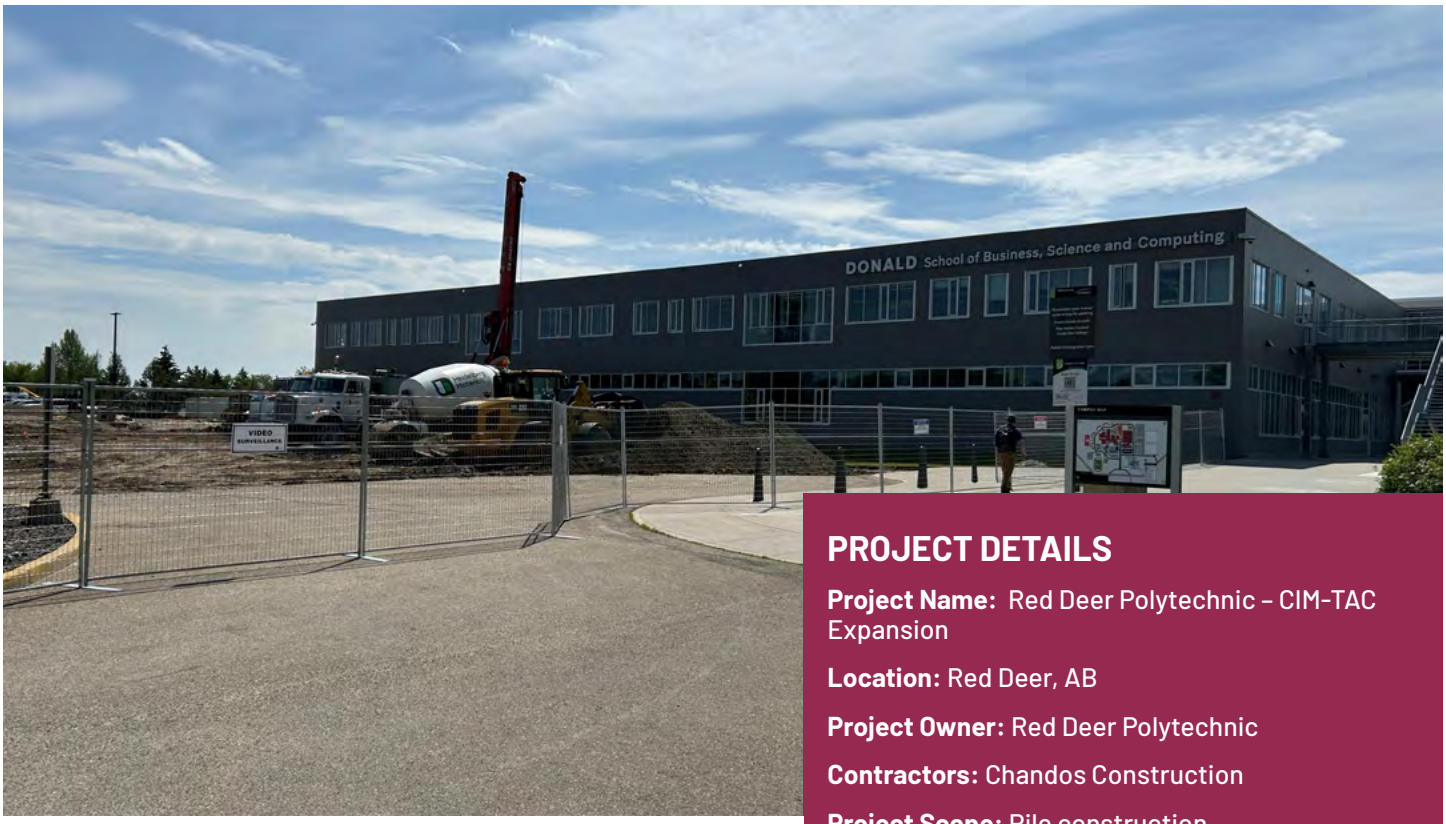
Cement Association of Canada

LOWER CARBON CONCRETE CASE STUDY: RED DEER POLYTECHNIC



PROJECT DETAILS

Project Name: Red Deer Polytechnic – CIM-TAC Expansion

Location: Red Deer, AB

Project Owner: Red Deer Polytechnic

Contractors: Chandos Construction

Project Scope: Pile construction

Type of cement used: ECOCemPLUS (GULb-20F or HSLb-20F)

SCMs: Type F @ 20% of tcm

Exposure Class: S-3

Concrete Design Strength: 30MPa @ 56 days

Red Deer Polytechnic's Centre for Innovation in Manufacturing – Technology Access Centre upgraded facility will grow from 15,000 to 25,000 sq. ft. The expansion will enhance the school's ability to drive innovation, support industry, and train the next generation of skilled professionals.

By 2030, the facility is expected to support:

- 450 post-secondary students annually through hands-on learning
- Over 2,000 students through workshops and training
- More than 500 junior and senior high school students through dual credit programs

With information from: Centre for Innovation in Manufacturing –Technology Access Centre, Chandos