



# Recreation Engineering & Planning

## CALGARY WEIR MODIFICATIONS

CALGARY, ALBERTA

The Bow River Weir in Calgary, Canada, presented an extremely dangerous obstacle. Located near the downtown area, the weir has been the site of numerous fatal accidents. REP was tasked from early conceptual phases, through detailed design and modeling, and ultimately construction. With modifying the dam for public safety, whitewater and fish passage, in order to transform a liability into a recreational amenity. The project which is being built by the Provincial Government of Alberta has required multiple layers of regulatory permitting. It features 12 white-water features, and includes an independent novice/canoe channel. The project maintains the functionality of the active diversion while eliminating the dangerous conditions that were created at the weir. REP completed physical modeling and detailed hydraulic design with Northwest Hydraulics Consultants (NHC).



### ENGINEERING:

REP

KLOHN CRIPPEN BERGER LTD.

### CONSTRUCTION SERVICES:

REP

KLOHN CRIPPEN BERGER LTD.

### DATE COMPLETED:

UNDERWAY - COMPLETED BY

SUMMER 2011

### PHYSICAL HYDRAULIC

#### MODELING:

REP

NHC

### PROJECT COST:

\$16 MILLION

*This project is the largest  
recreational, safety  
improvement at a dam  
in North America.*

### REFERENCE:

AL NILSON

ALBERTA INFRASTRUCTURE & TRANSPORTATION

2ND FLOOR TWIN ATRIA BUILDING

4999 98 AVENUE

EDMONTON, ALBERTA T6B2X3

780-422-7630

780-422-7630

RECREATION ENGINEERING AND PLANNING

485 ARAPAHOE AVE.

BOULDER, CO, 80302

PHONE: 303.545-5883

WEB: WWW.BOATERPARKS.COM

E-MAIL: INFO@BOATERPARKS.COM