

# PROVO RESERVOIR CANAL ENCLOSURE



## Project Overview

The Provo Reservoir Canal, also known as the Murdock Canal, is 21 miles long and carries water from the mouth of Provo Canyon to the Point of the Mountain. It is one of the main water delivery arteries to the Wasatch Front and is the largest canal in Utah County.

The Provo River Water Users Association, a non-profit corporation responsible for operating the canal, is working with Central Utah Water Conservancy District, Jordan Valley Water District, Metropolitan Water District of Salt Lake & Sandy, the state of Utah and other organizations to enclose the canal. Final preparations have been made to move forward with the Provo Reservoir Canal Enclosure Project. Construction of the \$150 million project will begin in October 2010 and be completed by spring 2013.



*The Provo River Water Users Association is a non-profit corporation organized in 1935 for the purpose of operating the Deer Creek Division of the Provo River Project, which includes Deer Creek Dam and Reservoir and many miles of canals, tunnels, and river dikes. The project extends over five counties and diverts water from three river basins.*



## BUILDING A MAJOR WATER CONVEYANCE SYSTEM

It truly takes a lot of cooperation, coordination, engineering, and constructability know-how to construct a project of this magnitude .

The canal will be enclosed with 126-inch steel pipe. Just one ring of this pipe weighs almost 1,000 pounds.

Imagine trenching and connecting 21 miles of giant pipe and snaking it through a heavily populated area and you start to get an idea of the enormity of this project, which will have the capacity to carry over 400 million gallons of water every day. **Wow, now that's a lot of water!**



## Enclosing the Canal:

- Provides greater public safety
- Improves water quality
- Conserves approximately 8,000 acre-feet water per year
- Provides instream flows to help with the recovery of the endangered June sucker
- Allows for the development of a recreational trail along the enclosed canal

## Construction Contractors



## The enclosure project adds one more piece to the Association's significant water facilities of the past.

The early spirit, determination, and foresight of our predecessors made it possible to create many large water projects that provide the water we use today. The Provo Reservoir Canal Enclosure Project is a significant part of that continued effort to improve our water infrastructure network.



**Weber-Provo Diversion & Canal**

1930

Approximately nine miles long, the Weber-Provo Diversion diverts water from the Weber River through the Weber-Provo Canal to the Provo River and has a capacity of 1,000 cfs.



**Deer Creek Dam & Reservoir**

1941

With a volume of 152,564 acre-feet and a surface area of nearly 2,700 acres, the reservoir created by the Deer Creek Dam is the key storage facility for the Provo River Project.



**Duchesne Tunnel**

1952

This six-mile-long tunnel has a capacity of 625 cfs and conveys water from the north fork of the Duchesne River into the Provo River drainage.