



Project Summary

Organization

Provo River Water Users Association (PRWUA)

Construction Manager

U.S. Bureau of Reclamation

Design Engineer

CH2M Hill

Program Managers

Carollo Engineers; Bowen Collins & Associates

Location

Provo, Utah, United States

Project Objective

21-mile-long water canal to buried pipeline conversion

Products Used

EADOC

Fast Facts

- PRWUA needed to manage a 21-mile-long water canal to pipeline conversion project involving five key stakeholders and more than 25 additional agencies, companies, contractors and sub-contractors
- The EADOC system provided 24/7, cloud-based access to all project data including RFIs, submittals, design clarifications, inspector reports, memos, action items, deficiency items, and schedules

ROI

- Critical review items travel through the approval process quickly and efficiently, keeping crews working
- Documents and communications are tracked automatically, reducing miscommunications and potential claims
- Fast, cloud-based document management eliminates the need for printing, filing, faxing and shipping documents
- Real-time project data is available online for team members and stakeholders, keeping all parties informed and up-to-date

Provo River Water Users Association Saves Time and Money with Real-time Collaboration

EADOC Capital Project Management System Expedites the Review of Critical Items and Integrates Numerous Federal, State, and Local Stakeholders

Improving Water Quality and Conservation

The Provo River Water Users Association (PRWUA) wanted to improve public safety, water quality, and water conservation by converting the 21-mile-long Murdock Canal into a buried, 126-inch diameter pipeline. This key water artery provides raw water for agricultural, municipal, and industrial uses in several communities along the Wasatch Front in Utah including Provo, Orem, Lindon, Pleasant Grove, Cedar Hills, Highland, and Lehi in Utah County, and to two wholesale suppliers: the Metropolitan Water District of Salt Lake and Sandy, and the Jordan Valley Water Conservancy District in Salt Lake County.

“There is no question that we saved money and reduced risk just because of the communications and sharing data.”

— Duane Jensen, Provo Reservoir Canal Enclosure Team

Real-time Collaboration for the Entire Team

The project team needed a tool that could manage the complex canal-to-pipeline conversion project and share up-to-date project information stakeholders and more than 25 different agencies, companies, contractors and subcontractors.

The cloud-based EADOC capital project management system allowed all project participants to collaboratively manage change orders, RFIs, design contract modifications, and approvals. Team members were able to access data from wherever they needed it – from project offices, contractor offices, and vendor offices to computers and tablets in the field and home offices.

“There is no question that we saved money and reduced risk just because of the communications and sharing data,” said Duane Jensen, a project management team member from Carollo Engineers. “On a day-to-day basis, people can access what they need to find.”

The team also found that EADOC was an excellent tool for communicating with the design engineer – Adam Murdock at CH2M Hill – and the program manager, Mike Collins at Bowen Collins & Associates.

Tracking Communications at Every Level

The PRWUA’s project management and construction management teams made an early commitment to use EADOC to manage project information, which allowed them to streamline and track all project documents and communications.

“For every request for information (RFI) or design contract modification (DCM) – at each level – there’s a way of tracking a question and a response. EADOC also keeps track of where information and documents are – at each level – as cost impacts and information are researched and negotiated. All stakeholders are able to weigh-in on approval, and then any change would be processed. The system keeps track of each stage of the process, and it does it pretty well,” said Jeff Budge, Operations and Engineering Manager, Provo River Water Users Association.

Real-time Project Data

The PRWUA encouraged project stakeholders to use EADOC to monitor progress in real-time – giving them the ability to get project updates on-demand. EADOC’s distributed



EADOC’s submittal module with an open risk item.

“Keeping my desk clear of paper and being able to find what I need is important. I can easily find inspection reports, and can go right to any information to see a particular part of the project.”

*— Duane Jensen,
Provo Reservoir Canal
Enclosure Project Team*

**Find out about EADOC at:
eadocsoftware.com**

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administration capability makes it easy to add more users to the system. The canal enclosure project had five financial stakeholders: Provo River Water Users Association, Central Utah Water Conservancy District, Jordan Valley Water Conservancy District, Provo Reservoir Waters Users Company and Metropolitan Water District of Salt Lake and Sandy; two federal agencies: the Bureau of Reclamation and the Department of the Interior; and one state agency: the Department of Natural Resources. Throughout the life of the project, more than 30 separate organizations – and more than 65 individual users – had access to EADOC.

Adapts to Your Existing Workflow

EADOC can be tailored to your unique project needs at the beginning. Many EADOC users begin using the application as early as the design phase, to ensure collaboration throughout the entire life of the project.

“Keeping my desk clear of paper and being able to find what I need is important. When I’m spending USD 375,000 per day, if I get held up for five minutes, well, you can calculate what that costs. If it’s in EADOC, I can find it quickly. I can easily find inspection reports, and can go right to any information

to see a particular part of the project. It is important to set everything up correctly in the beginning, and that happened for us,” said Jensen.

Conclusion

EADOC allowed all project team members to manage change orders, RFIs, design contract modifications and approvals for this complex canal-to-pipeline conversion project. Critical review items traveled quickly – up the approval chain and back – keeping crews working and minimizing the chance for miscommunication and potential claims. Project team members and numerous stakeholders were able to access the data they required from any location – 24/7.

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*— Jeff Budge, Operations and Engineering Manager,
Provo River Water Users Association*



EADOC’s project-level dashboard.



Workers installing the 126-inch diameter buried pipeline.

