

Utah Department of Transportation

How UDOT was able to save up to \$100m over five years with Aurigo Masterworks

CASE STUDY

UDOT is committed to its vision—Keeping Utah Moving. When planning for its future, UDOT was seeking an innovative solution that would enhance its construction management and project delivery processes. Today, UDOT and Aurigo are laying the foundation of transformational changes in managing Utah's statewide transportation improvement program.

Customer Challenges

- UDOT was using **technology that was approaching end of life and could no longer support their needs**, resulting in disorganization and endless paper trails for themselves, their consultants, and contractors.
- This outmoded application was **built on client-server technologies, which required the user to be inside the state's firewall or have a Citrix connection to gain access**. The setup was a significant inconvenience for UDOT's construction contracting community.
- UDOT wanted to replace certain Progressive Design-Build System (PDBS) modules used to manage UDOT's field data collection, cost, schedule, and contract processes.
- The new modules had to integrate with other PDBS modules and UDOT applications, including web electronic bidding systems, civil rights, and certified payroll.



- UDOT develops and maintains nearly **48,608 public road miles** of roads across Utah
- Has an **annual budget of \$1.6 billion**
- Features **1,973 bridges** across the state
- Employs **1,700+ people**

Aurigo Masterworks at UDOT

- By fully automating UDOT's business processes, a unified platform has been established to maintain the integrity of project costs, schedules, forecasted budgets, funds, and timeline requirements. This system has generated a sense of collaboration across business units, enhanced the quality of work, increased productivity, and significantly reduced the margin of error for any given project.

- Both UDOT field staff and construction project teams have benefited from this new technology. The software can be accessed via a web browser from a PC, laptop or hand-held device in either online or offline mode. With the Aurigo Masterworks mobile application, field inspectors can take pictures from a worksite and add them directly to their field reports in real time. If mobile devices are GPS enabled, the location coordinates are automatically captured and uploaded to the server.

Impact



Time savings: Aurigo Masterworks modernizes construction management by eliminating cumbersome, paper-based methods, as the entire solution is delivered over the cloud. In addition to saving money by lowering paper use, printing, and document storage costs, the system also reduces communication delays and transmittal time.



Cost savings: Time saved is money saved. UDOT has seen DPR time savings, more accurate pay estimates “closed to paid” time, and change order process time savings. An independent study by a leading engineering firm estimated savings of \$19.5 million per year-up to \$100 million over five years.



Improved customer service: Aurigo Masterworks allows faster approvals, increased accuracy, and enhanced document tracking, all while increasing transparency. This greatly reduces the amount of questions, claims, and disputes, resulting in an improved customer experience for all UDOT project stakeholders. Aurigo Masterworks provides an easy-to-access cloud-based system, a reduced paper trail, and 24/7/365 online and offline customer support.



Preserve Infrastructure: Aurigo Masterworks leads to higher efficiency and faster delivery of infrastructure and facilities projects. This system employs established technologies readily available to the transportation community, such as digital electronic signatures, online communication, secure file sharing, version control, mobile devices, and web-based data archival and retrieval systems to accelerate the planning, approval, and execution of statewide improvement programs.



Call for a Demo

Phone: **631.824.4050**

email: **sales@aurigo.com**