CASE STUDY

WYOMING DEPARTMENT OF TRANSPORTATION

> "Since 2005 when our relationship began, ExeVision has consistently delivered quality, customized software solutions on time, in scope, and within budget for our preconstruction and construction divisions... and couldn't be more pleased with the outcome."
>
> — **Wyoming Department of Transportation**

SYNOPSIS

In 2004, the State of Wyoming Department of Transportation (WyDOT) conducted an evaluation of its project management solution. Led by Ken Spear and the pre-construction group, WyDOT began reviewing alternatives to its installed pre-construction, construction and project management solution in order to solve key problems including:

- Inefficiencies resulting from an unfriendly user interface.
- Non-integrated project development system — duplicate data entry.
- Upgrades and enhancements depended on the software vendor's steering committee — larger states, greater influence.
- Software modifications were very expensive.
- If modifications were available, the process took years to complete.

After researching and identifying current system shortcomings, WyDOT began looking for an easy-to-use, customized solution to meet the specific needs and business processes of the DOT and to provide a high level of service, support, and attention to the users. After an extensive evaluation, WyDOT determined that the Project Development Business System (PDBS) in use by the State of Utah (UDOT) fit all of the criteria for WyDOT's new project development solution.

The award-winning PDBS solution was rewritten by ExeVision in cooperation with the State of Utah and made commercially available to the market as ExeVision's iPD integrated project development solution. As an enhanced and re-developed application, ExeVision implemented a customized version of the iPD solution for WyDOT, modifying and augmenting the functionality based on the product specification developed by ExeVision, WyDOT users and the state AGC.

iPD subsystems implemented for the Wyoming Department of Transportation include:

- Project Setup
- Contractor's Desktop Application (CDA)
- Electronic Bidding (EBS)
- Project Cost Estimate (PCES)
- Construction Management (CMS)
- Materials Management (MMS)
- Management Reporting (MRS)
- System Maintenance (SMS)

Over the past two years, ExeVision has migrated WyDOT's Project Development environment from a client/server architecture to a full web application environment including all iPDWeb subsystems, and iCXWeb for contractor bid creation and submission.

> "I had asked our previous software vendor to perform some work that seemed quite simple to me. After 5 years, they began working on it and said it would take about a year. ExeVision did that work for us in less than a month. That one change saves us hours of work for each new project."
>
> — Ken Spear
> WyDOT Project Lead, Contracts & Estimates group

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WYDOT COMMENTS

For the initial implementation, WyDOT installed a bid system that enabled contractors to create an electronic version of their bids in the Contractor's Desktop Application and deliver them in person at centralized bid letting events, rather than submitting the bids via an electronic vault.

When the Contractor's Desktop Application (CDA) is used, the resulting bids are guaranteed to be "responsive." The elimination of non-responsive bids and the intuitive nature of the CDA has been well-received by the contractor community.

In fact, after using the Contractor's Desktop Application to complete a bid, one contractor commented, *"You'd really have to work at it to screw this software up"*, Ken Spear, Project lead and engineer for WyDOT Contracts and Estimates group commented *"That speaks volumes for the ease-of-use of the Contractor's Desktop"*.

ExeVision also completed installation of the Plans Desk subsystem. Ken observed:

"It has saved us numerous hours of work monthly and a lot of stress in that it provides a dynamic planholders list automatically to our website. We have not had one question, problem or concern with the list since we incorporated that subsystem."

Another problem that WyDOT solved by selecting ExeVision as their new solution provider was the ability to quickly and cost-effectively modify the solution as needed. Ken explained:

"I had asked our previous software vendor to perform some work that seemed quite simple to me (importing spreadsheet information into the estimating software) over 5 years ago. They are just now working on that and said it would take about a year to get done and would require tens of thousands of dollars. As soon as my budget was approved, ExeVision did this for us for a nominal fee, completed in less than a month. We can import a tab delimited TEQ (total estimated quantity) and have it automatically load the bid items, descriptions, quantities and price them with historical data in about 10 seconds. This saves us hours of work for new projects."

The implementation of the initial subsystems was an unqualified success. One user from the Contracts and Estimates department commented:

"I am amazed with the iPD solution and love using it. At first, I had to make a check off list because I thought I was forgetting some of the steps - I was getting done with my projects so quickly! On this latest Bid Letting, it saved me over four hours in information entry. Thank you for making my job so much more enjoyable."

In addition to the deployment of new iPD subsystems, WyDOT is actively modifying and enhancing the currently deployed subsystems to reflect business process changes, improve the efficiencies of their staff, and streamline their business processes, all possible due to ExeVision's ability and willingness to customize the application to the requirements and business processes of an individual agency.

About ExeVision

ExeVision, Inc., is the developer of the iPDWeb solution, a comprehensive, project development system fully integrating all functional aspects of road and bridge construction from estimate creation and electronic bidding, through final contractor payment. ExeVision is also the creator of the iCXWeb application, designed to assist contractors in the creation and submission of responsive bids and facilitate seamless bid communication between contractors and the agency. These two solutions provide substantial time and cost savings for the state transportation agencies that have implemented them. ExeVision has been developing and deploying mission critical applications for over 20 years and is a Utah based company.

For more information or a live demonstration at your location:

Brent McKinley
bmckinley@exevision.com
(801) 762-6372

895 W Baxter Drive
South Jordan, UT 84095
Toll Free: (866) 304-2844
www.ipdsoftware.com