



Oracle Customer Snapshot



Utah Department of Transportation Improves Construction Management Efficiency to Minimize Environmental Impact

Utah Department of Transportation
Salt Lake City, UT

INDUSTRY:
Public Sector

ANNUAL REVENUE:
US\$1.5 billion

ORACLE PRODUCTS & SERVICES:
Oracle Database
Primavera P6 Enterprise Project Portfolio Management
Oracle SOA Suite
Oracle Application Server

“One of our principal goals is to improve system performance while minimizing impact on the environment. We use Oracle Primavera P6 Enterprise Project Portfolio Management as the cornerstone of our construction management program to facilitate the introduction of innovative practices that accelerate the building process and limit traffic congestion, which enable us to reduce construction and automobile pollution, as well as user costs.”

– Larry Myers, State Project Controls Engineer, Construction Division, Utah Department of Transportation

Utah Department of Transportation (UDOT) is responsible for more than 6,000 miles of highways and bridges —14% of the state’s total highway road system of 40,707 miles. This responsibility includes construction, repairs, maintenance, signage and snow removal, as well as the Traffic Operations Center with live camera coverage for monitoring road conditions, accidents, and safety.

Challenges

- Improve state highway system quality while minimizing impact on the environment and reducing user costs
- Ensure that all roadwork meets the best needs of the surrounding community as well the environmental needs of the ecosystems surrounding the roads

Solution

- Implemented Oracle applications and infrastructure software to improve efficiency across construction practices—resulting in reduced traffic congestion and environmental impact
- Gained national recognition for the agency’s effectiveness in resolving construction issues and ability to complete projects on time and within budget via Primavera P6 Enterprise Project Portfolio Management
- Reduced construction times by approximately 40%, which nearly eliminated congestion in highway construction zones—enabling UDOT to save millions of dollars annually in user costs and decrease vehicular pollution by thousands of tons per year
- Developed an Oracle-based electronic program management tool, which enabled the agency to manage the design of all construction projects—providing weekly management reports to identify the progress of design projects, as well as any associated problems or issues
- Leveraged the project development business system, based on an Oracle Database platform, to submit bids and maintain job reports electronically, which shortened bid evaluation times and eliminated paper-based processes
- Leveraged Oracle to eliminate the need to print more than 100,000 pages of data in just one system
- Ensured compliance with federally mandated civil rights requirements
- Reduced the resources required to move projects into the construction phase by more than 10%