

This unique design is part of the Salt Lake City International Airport Redevelopment Program. Its \$4.1-billion first phase was completed in October 2020 at \$300 million under budget and two years ahead of schedule. Construction management was performed by the Holder/Big-D Construction Joint Venture (HDJV).

PHOTO: ALAN BLAKELY

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# Optimistic Outlook

Commercial, public and housing projects keep regional construction strong for the foreseeable future

By Marge O'Connor

## WHAT'S INSIDE

- ◆ Despite Ups and Downs, Construction Stays Steady
- ◆ Talented Local Designers Gain National Attention
- ◆ Clients and Staff Benefit From Employee Ownership
- ◆ Collaboration Resolves Site Access and Load Issues

## Clients and Staff Benefit From Employee-Owned Company

Many factors contribute to the reliable service that an employee-owned company, such as Salt Lake City-based GSL Electric, provides: a large workforce of licensed electricians,

experienced low-voltage systems technicians and designers, in-house electrical engineering and design, and now virtually all full-time employees partaking in ownership. With everyone in the boat

and rowing in the same direction, the benefits are shared by all. Clients and project owners benefit from the supply of a stable workforce with low turnover, and GSL Electric employee-owners share in the success of each project. This means that they have a financial incentive to perform efficiently and effectively, and this in turn leads to time and cost savings for clients and owners.

Celebrating 40 years of success as a full turnkey solution in electrical construction and services, GSL Electric has developed an industry-leading safety and training program, a veteran staff of licensed electricians, an experienced management team, an extensive quality-assurance program and a company ownership culture that fosters project success. Employee-owners at GSL Electric take pride in their work and are motivated to set a high bar when it comes to craftsmanship. To learn more, visit [www.gslelectric.com](http://www.gslelectric.com). ♦



Employee-owners at GSL Electric, like Project Superintendent Wade Remington, shown here, work closely with clients on key points, such as this schedule review with the general contractor of a project in downtown Salt Lake City.

PHOTO: COURTESY OF GSL ELECTRIC

## Collaboration Between Intermountain and California Firms Produces History-Making Results for Honolulu Rail Project

The Honolulu Rail Project covers more than 5 miles of a new elevated guideway between Aloha Stadium and Middle Street in Honolulu. This history-making project of Honolulu Authority Rapid Transportation (HART) came with difficult access and geological conditions.

A team of experts from ROC Equipment of Salt Lake City, PB&A of San Rafael, Calif., and Legacy Foundation of Irving, Calif., worked together to design a trestle that would withstand the weight and torque of the foundation drilling equipment needed to install the project's massive oscillated shaft, which is considered the largest and deepest oscillated shaft in the world.

The trestle needed to be designed as a reaction frame to safely support the heavy weight, high torque and lifting forces generated by the specialty

foundation equipment, including a BUMA C3600H oscillator and a Liebherr HS895HD duty cycle crane. Structural engineering firm PB&A designed a temporary work trestle above Halawa Stream for installation of a number of deep, large-diameter drilled shafts. ROC provided the drilling

equipment and knowledge to place the shafts. Legacy performed all drilling operations, which called for one shaft to be placed to unprecedented depths via the trestle. Its crews excavated and placed the 10-ft-dia, 357-ft-deep shaft and used tremie pipe to place 890 cu yd of concrete in 5 hours. ♦



This team of experts solved major access and geological issues to ensure successful installation of the world's largest and deepest oscillated shaft for the Honolulu Authority Rapid Transportation project between Aloha Stadium and Middle Street in Honolulu.

PHOTO: COURTESY OF LEGACY FOUNDATION