

NEWS RELEASE

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BEAVER WATER DISTRICT PROJECT RECEIVES NATIONAL ATTENTION: ABC RECOGNIZES GARNEY CONSTRUCTION/DYKON BLASTING CORP.

Beaver Water District's Beaver Lake Intake Facilities Expansion has won a National "Award of Merit" in the Public Works/Environmental Category from the Associated Builders and Contractors, as a part of its annual Excellence In Construction Awards Program. Awards were presented during the association's annual meeting held March 15-19 in Las Vegas. The same project recently received a regional award in the preliminary competition from the ABC's Heart of America Chapter.

"We are very pleased to receive national recognition for this massive undertaking," Alan D. Fortenberry P.E., CEO of Beaver Water District, said. "A project of this nature requires lots of attention to detail and a willingness to improvise to find solutions to unique problems. The team that led the expansion rose to the challenge in order to make this project a success."

Garney Construction, which led the intake construction team and is based in Kansas City, is a member of the Heart of America Chapter of ABC and is responsible for entering the project in the awards competition.

Mike Gardner, Midwest Area Manager for Garney Construction, said highlights of the project noted in the award application included difficulties encountered and overcome during the shaft construction, intake pipeline construction, and underwater construction. He added that five construction alternatives were considered, including drill and blast, in-the-wet construction, cofferdams, and microtunneling. In the end, a hybrid method of a drill and blast/micro-tunneling was selected.

"This combination allowed for the intake shafts to be constructed utilizing drilling and blasting while the intake pipelines were built by the micro-tunneling method," Gardner said. "To help reduce risk during the tunneling into the lake, dental blasting was used at the land/water interface to create rock benches to receive the microtunnel boring machine. We are very proud of the work we did on this challenging project."

Dykon Blasting Corp. was the blasting subcontractor for the project. Dykon, also an ABC member, performed all of the blasting required to build the 85-foot-deep shafts. Dykon also performed the underwater blasting required to make ledges in the lake for the intake tunnels to rest on.

The Beaver Water District's facilities expansion project, begun in 2002 at an estimated cost of \$84.2 million, ensures that the District will continue to meet

the drinking water demands of Northwest Arkansas for years to come. In addition to the raw water intake facility already mentioned, the project includes a 60 million gallon a day expansion to the Croxton Treatment Plant, bringing that plant's capacity to 100 MGD. The plant began operation in mid-March. The original Steele plant, rated for 40 MGD, is now being renovated and upon completion in April of 2009, that plant will go online and bring Beaver Water District's treatment capacity up to 140 MGD.

Beaver Water District was formed in 1957 to pay for the drinking water supply allocation of Beaver Lake. The District currently serves about a quarter of a million people in Northwest Arkansas. For more information, visit www.bwdh2o.org or contact Amy Wilson, Director of Public Affairs, at awilson@bwdh2o.org or 479-756-3651.



Cutline for Construction Update Photo.jpg

This photo was taken from inside the 90-foot shaft during the Beaver Lake Intake Facilities Expansion, which recently won the National "Award of Merit" in the Public Works/Environmental Category from the Associated Builders and Contractors, as a part of its annual Excellence In Construction Awards Program.