



Dees Hennessey, Inc.

GENERAL
ENGINEERING
CONTRACTORS

Dees-Hennessey, Inc.

Founded over 30 years ago, Dees Hennessey, Inc. (DHI), has specialized in shotcrete almost from the beginning. Del Dees established the company in 1985 as an excavation support company. He quickly saw the versatility and importance of shotcrete with its application to benefit excavation support. DHI quickly branched into structural wet-mix shotcrete and the company has seen tremendous growth with this expansion of the company. Today, DHI does over 75% of its business in structural wet-mix shotcrete. Del Dees retired in 2007, leaving the company to the present ownership group whose members were already involved with the company. Under the leadership of Dan Evans and Ron Coleman, DHI has continued its strong growth in structural wet-mix shotcrete.

DHI specializes in working with the client or General Contractor in finding ways that shotcrete can be used to benefit a project. This goes beyond just looking at a project to determine the most economical solution, but working with schedule constraints, reinforcing bar configurations, placement locations, and strength requirements to help the

General Contractor minimize the cost of the project and schedule requirements.

An example of this is a project that is currently being completed in San Francisco, CA, where DHI installed over 1500 yd³ (1150 m³) of wet-mix shotcrete in multiple levels of grade beams along a steep slope, so the tiebacks extending through the grade beams could be locked off and the next lift started in a 5-day cycle. Meeting with the General Contractor before the project started, DHI developed a working plan for all parties with an acceptable budget, required strength requirements, and modeled a mobile work platform that could facilitate reinforcement placement as well as shotcreting. By using wet-mix shotcrete and advanced planning, DHI was able to take the General Contractor's 5-day cycle and reduce it to 3 days when construction started.

DHI is known for completing some of the most remote projects with difficult to impossible access to install shotcrete. In one case, DHI had a dam resurfacing project where wet-mix shotcrete material had to have set suspended for



Preparing for shotcrete placement on a building seismic retrofit



Shooting a dam face

4 hours to allow delivery to a remote location in the middle of the Sierra Nevada Mountains at 9500 ft (2900 m) elevation, with the additional challenge of on-site pumping distances over 200 ft (60 m). Another example is using a helicopter to transport wet-mix shotcrete to the opposite side of a canyon so that the wet-mix shotcrete material could be pumped for 750 ft (230 m) to line the crown of a tunnel that was in danger of collapse. DHI has also worked with QUIKRETE® and MAPEI® to develop special structurally reinforced bags with premixed shotcrete materials that can be flown by helicopter to an isolated location and dropped off next to a AirPlaco® ProCreter shotcrete mixer/pump at the remote project location.

DHI has been a member of ASA since 2002 and has been involved at the committee level over the past decade. DHI would like to thank the leadership and vision that such mem-

bers as Chris Zynda and Larry Totten have provided on the West Coast in the promotion and acceptance of shotcrete throughout the region. Because of their leadership and the promotion provided by ASA, shotcrete is an accepted method throughout the West Coast and DHI is looking forward to continuing the tradition established by these gentlemen.

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Shooting colored shotcrete for a skate park