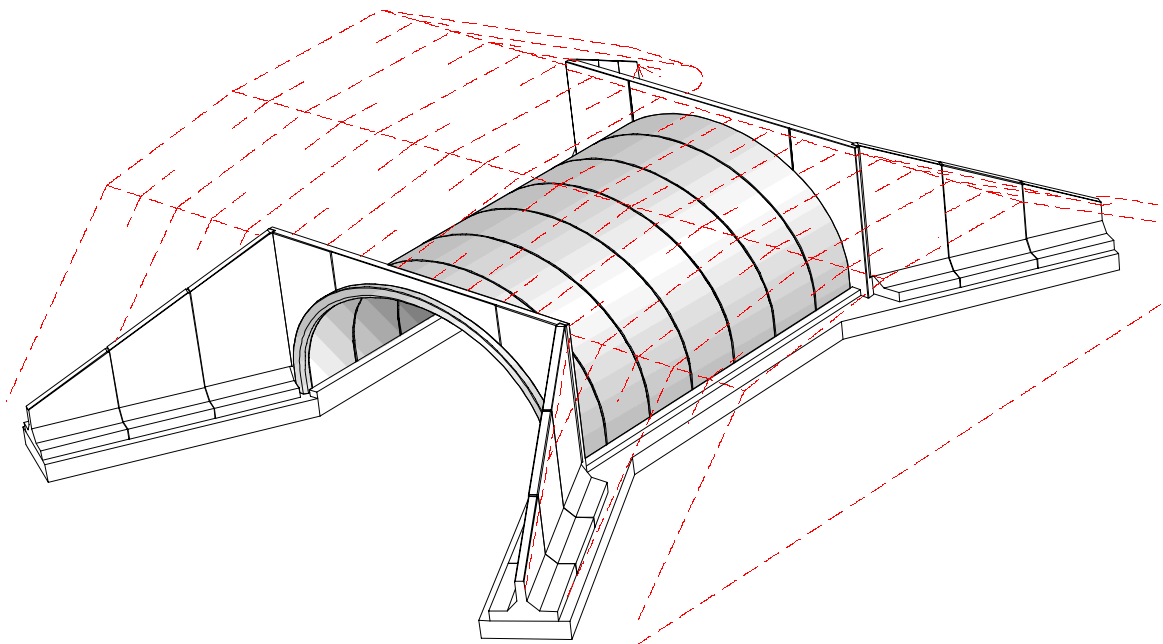




THE BEBO SYSTEM

Overfilled Reinforced Concrete Arch Structures for Bridges, Tunnels, Underpasses, Wine Cellars, Garages, Protective Shelters and other Structures



A General Overview

Reinforced concrete arch structures are the key element in the BEBO System. These have been researched and developed by BEBO Arch International AG - a sister company of Heierli Consulting Engineers, Switzerland - and are now in service throughout the world. The concrete arches are usually pre-cast, but can also be cast-in-place, or a combination thereof.

Over 450 BEBO System structures have been constructed and are in use in Europe, the USA, Australia and South East Asia. All of these projects placed the BEBO System in heavy competition against other systems, where, in the long run, the BEBO Sys-

tem was selected as the best suited for the particular construction need.

BEBO know-how comprises 35 years of experience in the design and execution of essentially maintenance-free BEBO System structures worldwide. Using this experience in applying the BEBO System to a variety of situations, we are in a position to offer exceptionally safe, competitive structures.

The BEBO System is used for bridges over waterways, roads, railroad lines, and similar areas; cut-and-cover tunnels of any length and specialized applications, such as overfilled parking garages,

material and personnel shelters, underground storage areas, wine cellars and warehouses. BEBO System structures are available for span widths from 3.5 to 25 meters. Typically, BEBO structures are overfilled to depths of between 0.3 and 20 meters. Greater overfill depths are however, also possible.

The BEBO knowledge and experience is marketed worldwide and is provided to users through licensing agreements. These license agreements are generally administered by BEBO Arch International AG. The licensee receives:

- exclusive rights to market the BEBO System in the licensee's assigned territory,
- all the technical data necessary to produce any of the standard arch systems, of which there are more than 100,
- access to technical assistance from the BEBO System support network,
- comprehensive promotional material to support the licensee's marketing efforts,
- the option to select training courses for the licensee's personnel.

BEBO System documentation, training and consulting services allow a license holder to efficiently and effectively market BEBO System designs and structures to contractors or end-users.

The success of the BEBO System is based on a unique design which optimizes the interaction between the slender BEBO System arch and the backfill material to obtain an extremely efficient structure. The BEBO license holder is thus given a significant competitive advantage by being able to

provide low cost, extremely safe and durable structures.

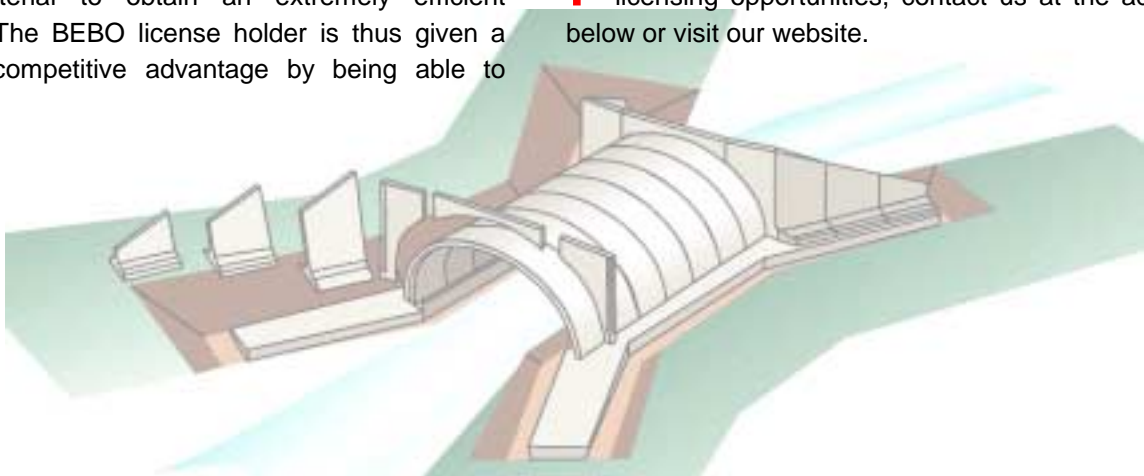
Some of the major advantages of the BEBO System are:

- reduced investment cost when compared to other designs (e.g. no pre-stressing or post-tensioning required),
- lower structure cost when compared to competing systems,
- reduced maintenance costs (e.g. bridges require no bearings, expansion and contraction joints or specialized road pavement treatment),
- short erection times achieved without the need for specialized installation staff,
- aesthetic appeal and adaptability to the environment.

Over 100 BEBO System arch types have been standardized to insure a wide range of applications. Due to our extensive experience in overfilled structures, BEBO Arch International AG can develop specific arch designs at a very competitive price for non-standard situations.

By using BEBO know-how, considerable savings can be achieved while still maintaining high safety reserves, superb adaptability to local conditions, aesthetically pleasing structures and low maintenance costs over very long life-cycles.

For more information about the BEBO System and licensing opportunities, contact us at the address below or visit our website.



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