

CASE HISTORY

Snowbridge Glasgow, Scotland, U.K.



Hidden in the tranquil gardens of Kelvin Grove Park Glasgow, Scotland. The Snowbridge was thought by many to have gracefully retired into obscurity. Its past glory of being the main means of disposing of the accumulated snow from the entire main thoroughfares of Glasgow had been superseded decades before by mechanical loaders.

With its retirement, it suffered like most obsolete structures with neglect and lack of maintenance due to the low priority it rated in the financial bids.

In 1987, Cintec was asked to provide an estimate to rectify the many years of neglect. Following a complete survey and report from Engineers Ove Arup and Partners, a comprehensive maintenance and anchoring scheme was presented to the City Council to bring the structure to a safe condition.

The scheme principally provided for the introduction of square hollow section stainless steel anchors size 30x30x3, 20x20x2, 15x15x1.5 in lengths from 500mm to 5000mm to the voussoirs and intrados of the arches and spandrel walls. The drilling chosen was wet diamond drilling with core retention to the natural stone structure. This provided the desired drilling accuracy and the need to reduce the vibration to a minimum in the fragile structure.

The proposals were kept in abeyance for several years before work commenced. Indeed, serious consideration was given to demolish the whole structure until it was found to contain optical telecommunications between the UK and the U.S.A.

