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MANAGING LARGE AMOUNTS OF GEOTECHNICAL PERFORMANCE DATA FOR THE CENTRAL ARTERY/TUNNEL PROJECT

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ABSTRACT

The Central Artery/Tunnel Project in Boston, Massachusetts is the largest, most complex highway project in American history. It involves the construction of 7.5 miles of highway through the center of the city with half the work occurring underground. Several conditions favored an extensive geotechnical monitoring program to provide engineers and contractors with up-to-date performance information. This paper describes the data acquisition and management processes used to collect, store, validate, reduce and report data from a large number of geotechnical instruments. It also describes some of the unique experiences presented by this challenging project.

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