# Lee Roy Selmon Expressway



#### **Project Location:**

Tampa, Florida

#### **Main Contractor:**

PCL.

### Client:

Tampa Hillsborough County Expressway Authority

#### **Project period**

May 2003 - Sep 2003

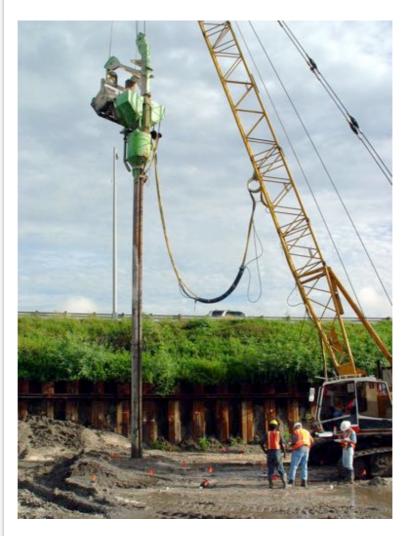
#### Method Applied:

2,266 Dry Bottom Feed (Vibro Displacement) Stone Columns to a maximum depth of 43 ft (13 m),

Column diameters between 36 inch (0.91 m) and 42 inch (1.07 m)

# **Technical Requirements:**

Increase shear strenght of soft clayey and silty soils before a new road embankment is built. Provide accelerated drainage in the stone column treated soil to prevent buildup of too high excess pore pressures during fill of embankment.



Skip Bucket Rig on Liebherr 843 crane

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# **Quality Control Testing:**

Electronic Cone Penetration Tests (CPTs) and control of installed gravel volumes over depth of columns.