

## Project Location:

Pier 400, San Pedro, California

## Main Contractor:

Traylor Pacific Inc

## Client:

Port of Los Angeles

## Project period

February - July 2003

## Method Applied:

3405 Dry Bottom Feed (Vibro Displacement) Stone Columns to a maximum depth of 15 m (50 ft.).

## Technical Requirements:

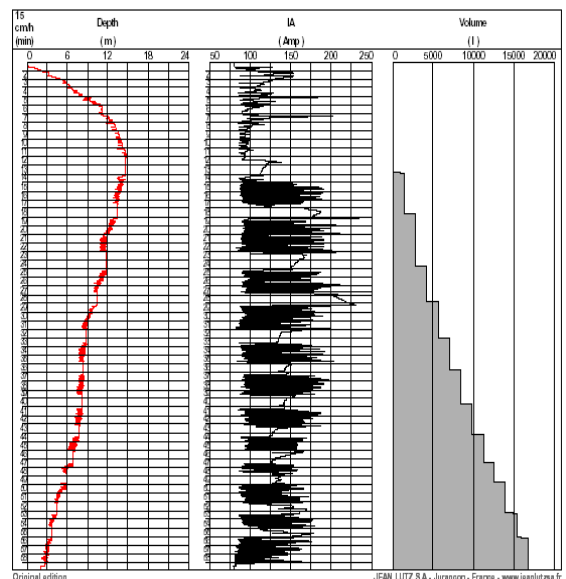
Prevent Liquefaction of hydraulic fill under container cranes near bearth. Achieve CPT tip resistance of over 180 tsf (=18 MPa) in compactable layers.



Left:

View of two V23 Dry Bottom Feed rigs

The Vibroflotation Group		PIER 400 WHARF PHASE II VIBRO-FLOTATION		(Contract : CJSOL)
Printout of parameters according to time				
Date : 07/03/2003	Penetration time : 10 min 44	Rig : 1	Volume : 16.80 m³	
Begin : 08 h 51	Compaction time : 48 min 10	Consumption : 124.0 Ah	Volume by meter : 1137.44 l/m	
End : 09 h 51	Total Duration : 58 min 54	Diameter : 1.200 m	Depth : 0.00 - 14.77 m	
		Point : 9201B	EXVBF W 1.67LTX VBF 022	



Right:

Digital QC data output from rig, showing Depth (red), Amperage (middle) and Gravel Batch placement (step curve on right)

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## Quality Control Testing:

Electronic Cone Penetration Tests (CPTs) and Standard Penetration Tests (SPT), supported by digital process data from Vibro rigs.