Object
To improve shear strength of soft clay for foundation soil of Motorway No. 9 widening works, Bangkok East Outer Ring Road.

Project Description
To improve soft clay up to –12.0m with soil-cement columns between Km 48+350 and Km 49+397 for widening of the existing motorway.

Type of Work
Construction of soil-cement columns.

Owner
Department of Highways, Thailand.

Main Contractor
Prayoonvisava Engineering Co., Ltd.

Project Schedule
July 2006 to March 2007

Construction Method
• Mechanical Deep Soil Mixing

Construction Details
Soil-Cement Columns: 18,948 (0.6mx12m)

Subsoil Conditions
Silty fine sand: 0.0–3.0m
Soft clay: 3.0-12.0m
Medium clay: 12.0-13.5m
Stiff silty clay: 13.5-19.0m
Silty fine sand: 19.0-

REFERENCES: