

**Design for high-steep cut soil slopes in Tehran-Chalus highway construction, Iran**

Work undertaken

- Soil investigation and hydrogeological information collection
- Back analysis of soil parameters via landslides
- Stability analysis for natural and cut slopes subjected to static and earthquake loadings
- Design of engineering treatment for slope stabilization
- Detail finite difference analysis and limit equilibrium analysis
- Drainage system design and rain infiltration prevention
- Monitoring system design and management

