

UTILIZATION OF NEW INFORMATION TECHNOLOGIES FOR CONSTRUCTION AND MAINTENANCE OF ROAD EARTH STRUCTURES

In construction management and maintenance of earth structures, the monitoring studies are conducted for the important and danger points by displacement sensor and monitoring camera and so on. However, it is impossible to cover all points which required monitoring study. As factors required to monitoring sensor, the inexpensiveness, long term and real-time monitoring and accurate sensing are picked up. We conducted the performance test of measurement accuracy for radio frequency identification (RFID) and 3D underground displacement sensor.

Key words: earth structure, maintenance, 3D underground displacement sensor
RFID