A primary objective of the current study was to help ODOT expand its selection of approved geogrid products for base reinforcement applications by producing measured data on selected geogrids and a dense-graded base aggregate commonly used in ODOT roadway projects. The study involved in-isolation and in-aggregate laboratory testing of several base reinforcement geogrid products from major geosynthetic suppliers. In-isolation tests included rib strength and junction strength tests, and in-aggregate tests included pullout and plate load tests. Field-scale installation damage tests were also performed. Test results on different geogrids in this study were aimed to quantify the significance of the geogrids in-isolation properties on their in-aggregate response under controlled conditions.