## CALCULATION OF THE RESERVE COEFFICIENT OF LOCAL STABILITY OF THE SLOPES OF THE ROADBED REINFORCED WITH A VOLUMETRIC GEOGRID

Lesov Kuvandik Saginovich\*; Tadjibayev Sherzod Amirkulovich\*\*

\*Tashkent State University of Transport, Tashkent, UZBEKISTAN

\*\*Tashkent State University of Transport, Tashkent, UZBEKISTAN
DOI: 10.5958/2249-7137.2021.02423.X

## ABSTRACT

The article gives a calculated estimate of the slope of the embankment of the railway roadbed reinforced with a three-dimensional geogrid. Calculations are made to determine the coefficient of the reserve of local stability of the slopes of the roadbed when laying a volumetric geogrid on geosynthetic material.

**KEYWORDS:** Calculation, The Slope, The Stock Of Local Stability, Three-Dimensional Geocell, Roadbed

## REFERENCES

- 1. Lanis AL. Reinforcement of the main site of a high embankment with injection of hardening solutions. Bulletin of the Siberian State University of Railway Transport. 2019;3(50):38-46.
- 2. Lesov KS, Tadjibaev Sh, Kenzhaliev MK. Technology strengthening of slopes of the earth bed of railways from sandy soils with the use of geosynthetic materials Problems of architecture and construction. Scientific and technical journal. 2019;4:15-18.
- **3.** Lesov KS, Kenzhaliev MK, Tadjibaev ShA. Determination of the stability of the embankment of the earth bed of railways erected from fine sands. International Scientific and Technical Conference "Global Partnership-as a condition and guarantee of sustainable development" II vol. Tashkent, TIRT, 21-23 November 2019. p.248-252.
- **4.** Shakhunyants GM. Railway way: textbook for universities railway transport-3rd ed., reprint. and additional Transport, 1987. 479 p.
- 5. Lesov KS, Mavlanov AKh, Tadjibayev ShA, Kenzhaliev MK. Technology of strengthening the slopes of the earth bed of railways from sandy soils with geogrids. Architecture Construction. The DESIGN is scientific and technical journal. No. 3-4 c. Tashkent, TIAC, 208-214