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PRORAČUN NOSIVOSTI ŠIPOVA KOD REKONSTRUKCIJE MOSTA PETLJA - ZENICA

Sažetak:

Rad se bazira na sanaciji mosta petlja – Zenica i na proračunu nosivosti šipova u programima Plaxis 2D i GEO5.

U praktičnom dijelu rada dat je proračun nosivosti šipa u Plaxisu 2D i proračun nosivosti šipa u GEO 5.

U diskusiji rezultata su predstavljeni proračuni u navedenim programima, na osnovu čega su u zaključcima navedena poređenja istih tih rezultata.

Ključne riječi:

Sanacija objekata, duboko temeljenje, šipovi, geotehnička sredina, zapreminska težina, kohezija, ugao unutrašnjeg trenja

CALCULATION OF BEARING CAPACITY OF PILES DURING THE RECONSTRUCTION OF THE LOOP BRIDGE – ZENICA

Summary:

The study is based on the rehabilitation of the loop bridge - Zenica and on the calculation of the bearing capacity of the piles in programs Plaxis 2D and GEO 5.

In the practical part of the work, the calculation of the bearing capacity of the pile in Plaxis 2D, the calculation of the load capacity of the pile in GEO 5 are given.

In the discussion of the results, the calculations in the mentioned programs are presented, on the basis of which the comparisons of the same results are presented in the conclusions.

Key words:

Restoration of buildings, deep foundation, piles, geotechnical environment, volumetric weight, cohesion, angle of internal friction.

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