CONTENTS

М.А.	Stepanov, K.R. Dzhabrailova, G.I. Rybak, Mikh.A. Stepanov The influence of single-layer and double-layer bases vertical soil pressing on the bearing capacity of piles	5
M.N.	. Shutova, S.I. Evtushenko, D.A. Kalafatov Analysis of the efficiency of the application of two-layer foundation structures of the power line portal through a numerical experiment	17
D.A.	Semenov, V.I. Kleveko The planning of the model experiments to investigatethe operation of bases reinforced with geosynthetic shells	29
V.V.	Antipov, V.G. Ofrikhter Express assessment of soil strata and of soil unit weight by wave analysis	38
T.P.	Kasharina, D.V. Kasharin Use of shell structures in extreme zones of Russia	49
A.V.	Boyarintsev Representational analysis of the experience of building foundations on frozen soils	57
A.I. I	Polishchuk, A.S. Mezhakov Assessing the effect of an inclined dividing line from piles between the foundations of neighboring buildings on their settlements	69
T.N.	Romanova Current status of natural gasification	80
T.N.	Beloglazova, E.S. Dubrovskaya Implementation of technical projects in the engineering infrastructure of the city	91
A.P.	Svintsov, S.L. Shambina, R.S. Fediuk Effect of oily liquids on deformation properties of concrete	100
V.I. I	Loganina, Y.B. Mazhitov Durability of coatings based on sol silicate paint	113
D.A.	Skorobogatchenko, G.D. Zasorina Feasibility study for the construction of roads with low traffic intensity on the basis of over compacted soil	121
G.I	Zubareva, I.V. Sorgutov Unique dome house	134