

Optimization of costs for winter maintenance of road assets

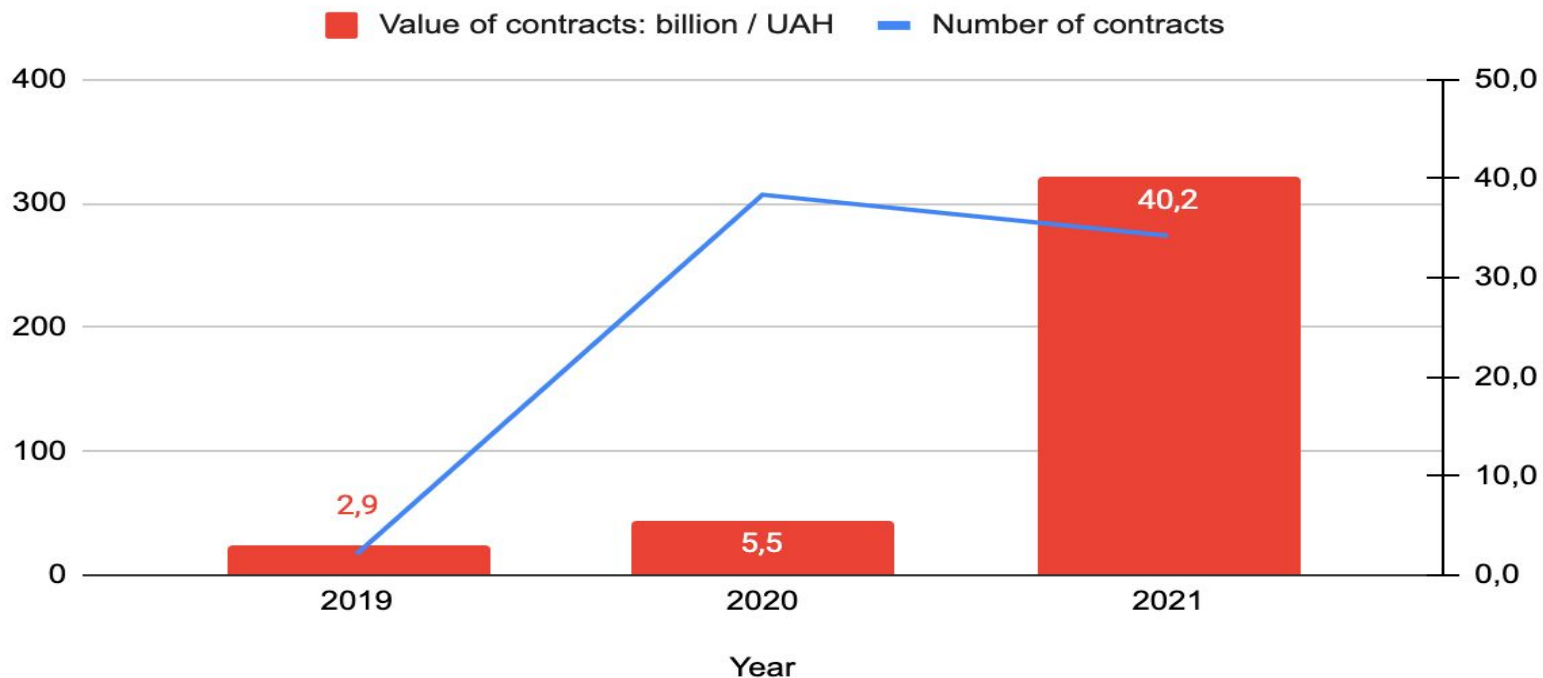
Stanislav Gvozdikov

Deputy Director of Eurointegration Processes – M.P. Shulgin State Road Research Institute State Enterprise - DerzhdorNDI SE

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1. Characteristics of the Ukrainian Market for Road Works

Number of contracts и Value of contracts: billion / UAH



2. Market Concentration

- UAH 9 billion provided for the conclusion of new contracts in 2022.
- The term of contracts is up to 7 years.
- 160 contractors have contracts worth UAH 48.6 billion.
- 14 of these companies have contracts worth more than UAH 1 billion each.
- Allowed the use of internationally recognized standard forms of treaties.
- Scientifically substantiated choice of new practices and technologies according to the recommendations of the World Bank, **PIARC**, IRF, Roadex and others.
- Entering the market of new players to attract funds from international investors.
- Rapid harmonization of national building standards with EU directives and ensuring the use of market prices.
- Study of the experience of innovative and hybrid methods of financing the development of the road network.
- Development of fundamental criteria that will regulate procurement practices through the implementation of current MFI processes and methods.

3. Statistics of transport objects (Bridges)

Indexes		The owner of the object		Total	%
		National road agency	Local company		
Total bridges		5 830	10 322	16 152	100
Do not meet the standards	by size	815	1 049	1 864	12
	by load capacity	1 961	2 290	4 251	26
	by size and load capacity	1 361	1 044	2 405	15
	Total	4 137	4 383	8 520	53

4. Optimization of costs for winter maintenance of road assets

- UAH 297 million provided for the collection of road condition data, including certification for OPRC purposes.
- The project implementation scheme is being implemented - “Design - Build - Operate”.
- We are building a road asset management system (RAMS based on GIS) that already contains information on:
 - Approved winter maintenance schemes for contractors.
 - Park of machines and mechanisms by type.
 - Percentage of provision of machines and mechanisms in terms of road names.
 - Contracts for the involvement of machines and mechanisms in third-party organizations (in emergencies).
 - Stock of anti-icing materials (tons).
 - Number of anti-icing material storage bases.
 - The length of snow-covered sections of roads provided with passive snow protection (km).
 - The length of snow-covered sections of roads not provided with passive snow protection (km).
 - Guaranteed terms of elimination of slipperiness, (h).

Thank you!

+380631116060

<https://www.linkedin.com/in/stanislav-gvozdikov/>

stas.gvozdikov@gmail.com