



## **Construction of a street “Osogovska” – Municipality of Makedonska Kamenica**

Total road length:  $L = 1200\text{m}$

- Design speed: 30 km/h
- Road profile width: 6.00m - 7.00m
- Maximum cross slope: 5.00%
- Maximum longitudinal slope: 12.49%

Pavement Structure

- AB 11 - asphalt layer:  $d = 5\text{cm}$

Parts with complete reconstruction:

- AB 11 - asphalt layer:  $d = 5\text{cm}$
- BNS 22 asphalt layer:  $d = 7\text{cm}$
- Base layer of crushed stone:  $d = 30\text{cm}$

The subject street is part of T8D1 and is the only one for implementation in the Municipality of Makedonska Kamenica under this agreement.

The work is being carried out by the construction company "Kole Trans" with "Gradba Promet".

## **Project Overview**

The project includes the reconstruction of the street.

The construction works include the following tasks:

- Securing and marking the route
- Demolition of the standard asphalt from the road  $d=12\text{cm}$  with loading and transportation to a location or landfill indicated by the Investor-Municipality
- Scraping (planning) of the existing road
- Construction of an embankment
- Mechanical excavation of soil in a wide excavation III and IV category with loading and transportation to a location or landfill indicated by the Investor-Municipality
- Procurement, transportation and installation of a buffer layer of crushed stone material for the road  $d_{\min}=30\text{ cm}$  to the required compaction
- Installation of concrete curbs (MB40 18/24) at certain locations
- Procurement, transportation and installation of a bitumen emulsion of 0.3-0.5 kg/m<sup>2</sup> on a previously cleaned and decontaminated surface
- Asphalt paving with BNHS 16,  $d = 7\text{cm}$
- Procurement, transport and construction of AB 11C  $d=5\text{cm}$

Before the construction, the street, i.e. the road construction, was in poor condition, i.e.



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there were cracks of the type: crocodile skin, transverse and longitudinal cracks, mesh cracks, potholes, etc.

The value of the signed contract is **6,273,906** denars.

Currently, **100%** of the street is completed. Attached are photographs documenting the street before construction, during construction and the completed sections.



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