



VIACON

**Constructing connections.
Consciously.**

PROJECT REPORT PECOR OPTIMA

**PROJECT SOLUTION: CHANGING FROM CONCRETE PIPES WITH
PECOR OPTIMA PIPES**

GENERAL INFORMATION



PROJECT NAME

REHABILITATION OF
COUNTY
ROAD DJ121A
ÎNTORSURA
BUZĂULUI-VALEA
MARE-BOROȘNEU
MARE-BOROȘNEU
MIC-DN13E



APPLICATION TYPE

COUNTY ROAD
REHABILITATION
WITH SIDE BRIDGES,
CROSS BRIDGES AND
PROPERTY ACCESS



PIPE INSTALLATION

INSTALLATION TOOK
BETWEEN 1-3 HOURS,
DEPENDING ON THE
PIPE DIAMETER



CHALLENGES

- CHANGING THE INITIAL SOLUTION FROM CONCRETE TUBES TO PECOR OPTIMA PIPES FOR TRANSVERSE AND SIDE CULVERTS AND PROPERTY ACCESS.



VIACON SOLUTION

REDUCED
IMPLEMENTATION
COSTS, HIGH IMPACT
RESISTANCE,
REDUCED WEIGHT

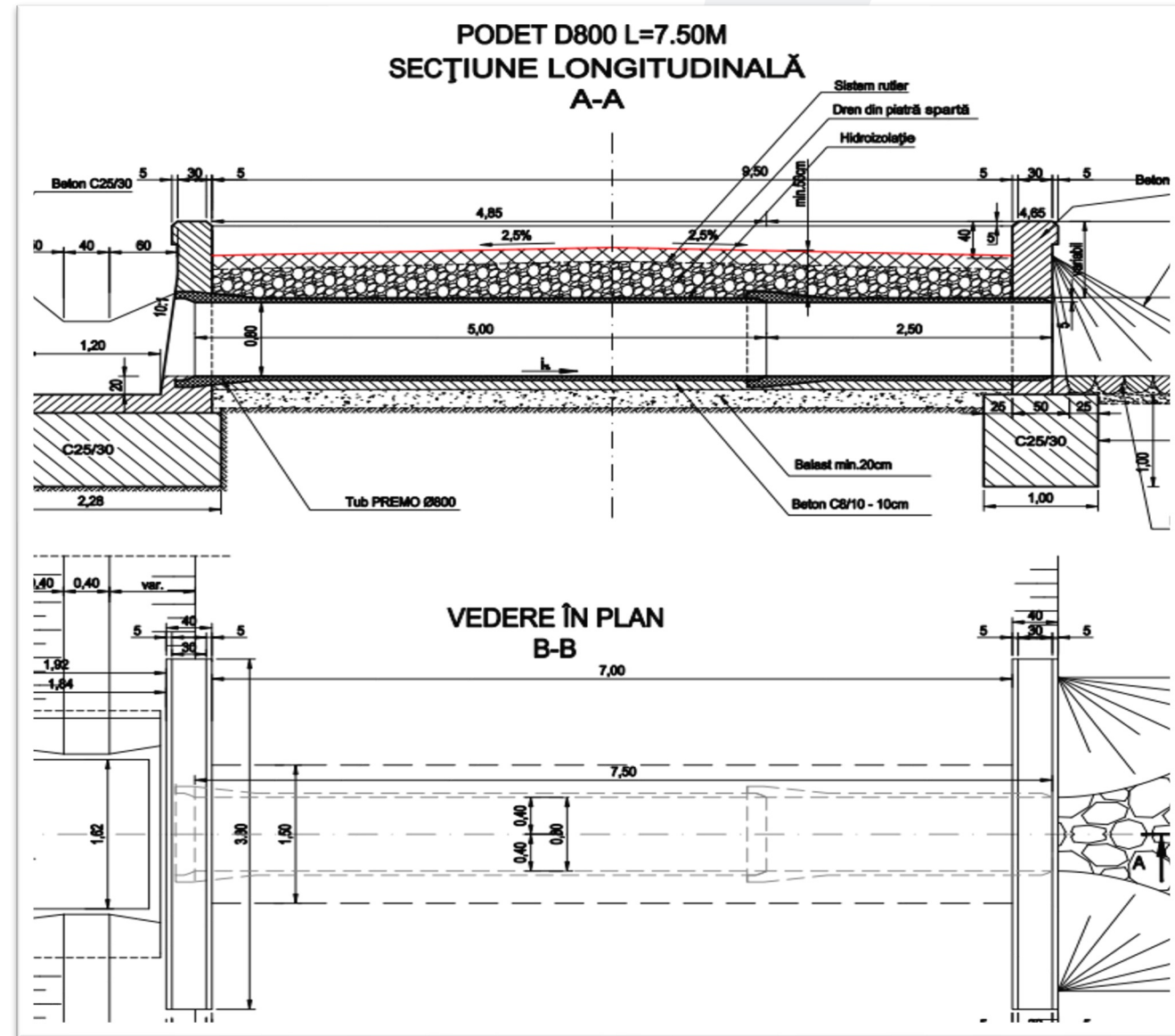
PECOR OPTIMA PIPES

- VIACON ROMANIA PRODUCTION IN PREJMER, BRASOV FACTORY
- RIGIDITY CLASS: SN8
- DIAMETERS AND LENGTHS FOR TRANSVERSE TUBULAR BRIDGES: DN800/DN1000 - 7,5 M /8 M /10 M
- DIAMETERS AND LENGTHS OF LATERAL TUBULAR BRIDGES: DN800/DN600 - 5 M/ 7.5 M /10 M
- DIAMETERS AND LENGTHS FOR ACCESS TO PROPERTIES: DN500 - 5 M
- DN500 - 277 pieces
- DN600 - 27 pieces
- DN800 - 35 pieces
- DN1000 - 8 pieces



CHANGING PREFABRICATED CONCRETE TUBES WITH PECOR OPTIMA PIPES

- Transverse and side culverts were foreseen in the project with prefabricated concrete tubes.
- The change of solution of the footbridges was suggested by the construction company, who has experience in the installation of PeCor Optima pipes and their use in multiple projects (forest roads, roads with emergency-allocated funds).
- The construction company chose the ViaCon solution due to: low costs for commissioning, short execution time, high resistance, low weight and the production of pipes exactly according to the dimensions of the project (there is no loss of material).





CHALLENGES ENCOUNTERED ON SITE

Areas with clay, sandy soil and high groundwater field. Due to this, the supporting layer for the culverts was not stable. The solution found by the designer and construction company was to pour a 20-cm thick reinforced concrete slab as a foundation base for each bridge in this area.

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Culverts for access to properties provided with prefabricated reinforced concrete headwalls.

PeCor Optima

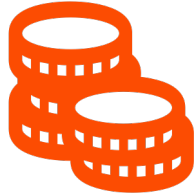
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Advantages



Broad scope of application



Low cost of project implementation



Quick & easy assembly



Various shapes



Colors to choose from



No seasonality

