

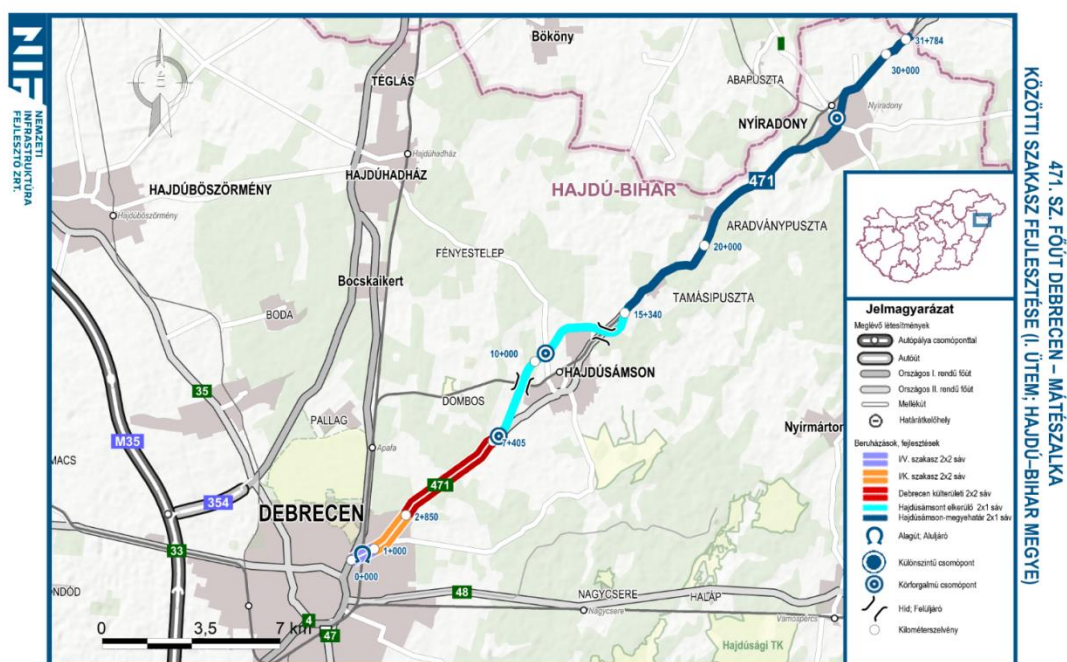
Construction of Hajdúsámson bypass section, road 471

General information

This project regards **the construction of the Hajdúsámson bypass** (i.e., 8,6 km long).

The project is localised on the road M471, which crosses the town of Hajdúsámson, in the County of Hajdú-Bihar (see Figure 4-1). The road M471 is part of the TEN-T comprehensive network and is the North-East axis of the County, connecting the city of Debrecen to the state borders with Romania and Ukraine.

Figure 4-1: Localisation of the Hajdúsámson bypass



Source: Ministry of National Development (2017)

The **objectives** of this project are presented in general terms. Basically, the Hajdúsámson bypass is part of a long development project of road 471, which once completed is expected could generate benefits with respect to: time savings, safety levels, environmental impact and vehicle operating costs. The project could improve the accessibility of the region enhancing the mobility of both passengers and freight.

As regards its relevance, the project is in line with the EU transport policy, the National Transport Development Strategy of Hungary and the National Land Use Framework Plan.

The **project promoter** is the National Infrastructure Developing Private Company Limited (i.e., NIF), the rail and road infrastructure manager of Hungary.

Technical description

The Hajdúsámson bypass will be single-carriageway road, with one lane per direction. The alignment will pass Hajdúsámson from North-West, crossing the Debrecen-Mátészalka railway line twice. The project foresees also the construction of 3 junctions.

The **total estimated investment cost** is nearly equal to € 33 million. The cost breakdown by category is shown in Table 4-1. The expected expenditure schedule is summarised in Table 4-2. Information has not been provided concerning estimated operating and maintenance costs.

Table 4-1: Estimated investment cost breakdown of the Hajdúsámson bypass

Cost category	Estimated cost [€], net of VAT
Engineering and supervision	548.210
Land acquisition	n. a.
Civil works (Building work)	26.868.147
Equipment	n. a.
Miscellaneous	5.593.061
Technical contingencies	n. a.
Price contingencies [% escalation p.a.], if applicable	n. a.
Interest repayment	n. a.
Total	33.009.418

Source: Ministry for National Economy of Hungary (2017)

Table 4-2: Expected expenditure schedule of the Hajdúsámson bypass

Year	2016	2017	2018	Total
Scheduled expenditure	6.310.867	19.912.286	6.786.265	33.009.418

Source: Ministry for National Economy of Hungary (2017)

Project implementation

The project implementation schedule covers the period from 12/2016 to 03/2018. The project is under construction and all necessary permits are available. The **ongoing tenders** and **procurement plan** are summarised in Table 4-3.

Table 4-3: Procurement plan of the Hajdúsámson bypass

Contract	Expected date of the signature
Performing the construction tasks of Hajdúsámson bypass and related structures	12/2016
Performing the engineering tasks for the construction tasks of Hajdúsámson bypass and related structures	03/2017

Source: Ministry for National Economy of Hungary (2017)

According to the information provided to the Consultant, the contract “Performing the engineering tasks for Hajdúsámson bypass and related structures” has not been signed yet.

Transport demand

There is not specific information provided to the Consultant concerning the transport demand. A very general statement reports that traffic load is increasing.

Financial analysis

There is no information available concerning neither the profitability nor the sustainability analysis. According to the consulted stakeholders, a decision has not been taken yet by the Government, but the bypass is expected to be a tolled section.

The financial plan foresees the request of **loan by the EIB** covering the entire estimated investment cost (i.e., €33 million). Concerning the funding mechanism, other sources of financing are not foreseen (i.e., national budget or other EU funds).

The operating and maintenance costs will be covered with resources from the national budget (as per Government Decree n. 1978/2015). The operation and maintenance of Hajdúsámson bypass will be the responsibility of Hungarian Public Road No-profit Private Limited Company (i.e., MK NZrt.) (as per Decree n. 6/1998 (III. 11) of the Ministry of Transport).

Economic analysis

The economic analysis has not been carried out. The only information provided by the consulted stakeholder indicates that the economic life span of the project assumed a 30-year period.

Environmental analysis

According to the documents made available, the project will not have significant effects on the environment. The Natura 2000 sites are not involved.

The acquisition of agricultural land for the construction activities is envisaged. The project is expected to (i) reduce transport-derived emissions (i.e., air pollutants and noise). A closed rainwater drainage system should be used in some areas.

Safety

There is no specific information on safety issues and black spots, before and after project implementation.