

M3 MOTORWAY SECTION BETWEEN POLGÁR AND BARABÁS



EMME/2 PROJECT: M3 MOTORWAY POLGÁR-BARABÁS
SCENARIO 211: WITH case 2010.
SCENARIO 212: WITHOUT case 2010.

Difference in traffic volumes between the
WITH and WITHOUT cases

red > INCREASE
green > DECREASE

Client:

Ministry of Transport,
Communications and Water Management,
Motorway Directorate

Features:

Length of motorway section: 120 km
Total length of investigated sections: 7 100 km
Number of traffic zones: 167

Time range of analysis: 1996 and 2010

Services:

- Development of road network model
- Preparation of traffic demand matrices and adjusting them to the counted screen line traffic volumes (validation)
- Assignment of precast traffic volumes onto road network
- Capacity analysis
- Determination of development requirement

The investigation of the M3 motorway section between Polgár and Barabás was performed by various phases. The possible options of alignment took into consideration the area and infrastructure development plans, giving the pros and contras of each option.

Years of working had resulted in the alignment zone where it was reasonable to route the motorway section, and where a wide-scale traffic investigation had to be done for the region – for the road sections belonging to the attraction zone of the motorway.

Taking matrices of the National Road Network Model as a basis, the traffic precast for two time-ranges was performed by validation according to the screen line traffic counts. The computer aided investigation was done with the EMME/2 traffic engineering software, which gave data for both of the WITH and WITHOUT cases of implementing the motorway, and demonstrated difference in traffic volumes between the WITH and WITHOUT cases as well. (A detail of it can be seen on the figure above.)