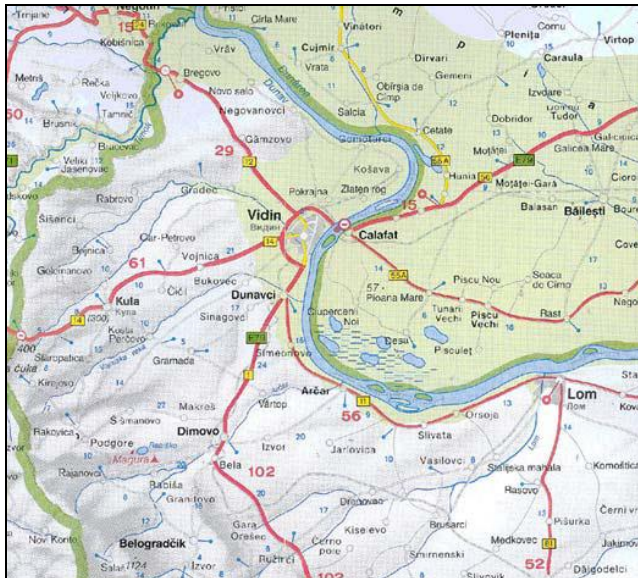




**NEURON CONSULT ZT**  
PELIKANSTR.18, 4061 LINZ-PASCHING, AUSTRIA

## 2<sup>ND</sup> DANUBE BRIDGE CROSSING VIDIN (BG)- CALAFAT (RO) OPTIMIZATION AND COST ESTIMATION OF BRIDGE VARIANTS

**OWNER: BULGARIAN MINISTRY OF TRANSPORT**



**LOCATION**

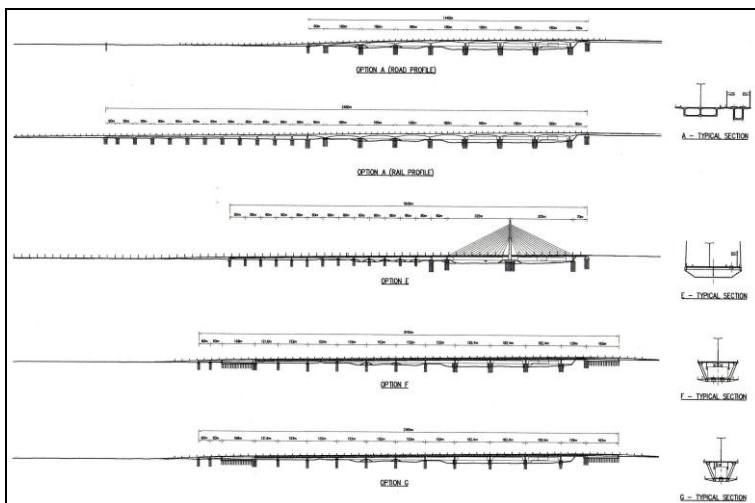
### PROJECT DESCRIPTION

THE BRIDGE IS A PART OF TEN CORRIDOR IV (DRESDEN-ISTANBUL) WILL MEASURE 1971M AND SHOULD BE FINISHED BEFORE 2010. THE BRIDGE WILL HAVE A MAIN SECTION CARRYING ROAD AND RAIL TRAFFIC.

THE MAIN STRUCTURE OVER THE SHIPPING CHANNEL WILL BE CONTINUOUS EXTRADOSED PRESTRESSED CONCRETE BRIDGE OVER 5 SPANS (124-3\*180-115 M) .

THE PART OVER THE NON-NAVIGABLE SECTION WILL COMPRISE A CONTINUOUS PRESTRESSED CONCRETE DECK 612 M LONG OVER 7 TIMES 80-METRE SPANS AND A 52-METRE OUTER SPAN. IN THIS AREA RAIL AND ROAD WILL BE ON SEPARATE STRUCTURES.

THE RAIL ACCESS VIADUCT WILL COMPRISE A CONTINUOUS PRESTRESSED CONCRETE DECK 952 M LONG WITH 23 TIMES 40 M SPANS AND A 30M OUTER SPAN.



**LONGITUDINAL AND CROSS SECTIONS OF BRIDGE VARIANTS.**

### SERVICES PROVIDED :

- COMPARISON OF VARIANTS IN THE FIRST PART OF ENGINEERING EVALUATION
- RISK AND COST ESTIMATION OF DIFFERENT OPTIONS
- PREFERENCE OF OPTIONS REGARDING ECONOMICAL FEASIBILITY OF OPTIONS
- INVESTIGATION OF PRICE LEVEL ON THE INTERNATIONAL MARKET

### CONSULTANCY FOR A GROUP OF CONSULTING COMPANIES

PERIOD OF WORK:  
5/2003 – 7/2003  
3/2006 – 5/2006



**SIDEVIEWS OF VARIANTS "A1"-CONCRETE BRIDGE AND A NEW FCC-CASADO SOLUTION.**