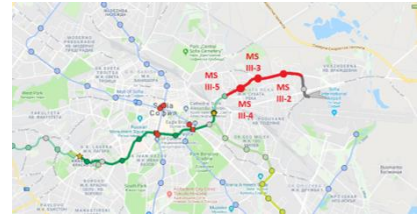


PREPARATION OF A PRELIMINARY DESIGN FOR A THIRD METRO LINE IN THE SECTION BETWEEN MS III-5 AND MS III-2 – PARTIAL UPDATE



Third Metro Line connects Northeast and Southwest parts of Sofia. The total length of this Metro Line is 16 km with 19 Metro Stations. Estimated load of the line is 170 000 passengers daily, and maximum train speed 80 km/h.

The updating of the preliminary design is necessary in connection with the investment intentions to amend the detailed development plan, where the metro stations become underground.

The project covers a metro route from km 4+307.53 to km 1+262.10 with a total length of 3045.43 m with three underground metro stations MS III-2, MS III-3 and MS III-4, as well as a section for turnover and warm reserve after MS III-2 to the east.

Metro stations consist of two platforms with a length of 105 meters. Two of the metrostations will have two vestibules, the third one have one vestibule.

The project includes 14 project parts:

- Architecture
- Structures and Tunnel structures
- Track road
- Electricity
- Catenary System
- Rail Roads
- Water and Sewerage
- Health and Safety Plan
- Heating, Ventilation and Air Conditioning
- Energy Efficiency
- Access Control and Charging Systems
- Communication and Audio - Visual systems
- Automatic and Telemechanic
- Reconstruction of existing infrastructure

PART OF OUR PARTNERS:

ITA Engineering
InfraProConsult
INFRANET

EKJ Bulgaria's secrives:

During design:

EKJ Bulgaria is a contractor in the preparation of project development of the phase "Preliminary design" of:

- Metro Line from the end of MS III-5 to MS III-2
- Metrostation MS III-4
- Metrostation MS III-3
- Metrostation MS III-2
- Section for turnover and warm reserve

Objectives and features:

- Increasing the capacity of the third subway drivers in Sofia
- Design in weak and water-saturated soils
- Reconstruction of the existing infrastructure

Client: Metropolitan JSC

Contractor: EKJ Bulgaria Ltd

Period: 2018-2019

Contract type: Design

Design phase: Preliminary design

