



EXPLANATORY NOTE

OBJECT: "CONSTRUCTION OF PEDESTRIAN ACCESS TO THE TOURIST SITE "THE OLD BRIDGE" AND ELEMENTS OF THE URBAN ENVIRONMENT FOR RECREATION AND TOURISM DEVELOPMENT" IN LP 65677.701.9131 OF THE CADASTRAL MAP OF TOWN SVILENGRAD

CONTRACTING AUTHORITY: CIVIL ASSOCIATION "TOGETHER FOR SVILENGRAD"

PART: ELECTRICAL

PHASE: WORK PROJECT

The project is developed on the basis of a contract and assignment by the Contracting authority, drawings and data from an architect and treats the park lighting of the alley as part of the construction of pedestrian access to tourist site "The Old Bridge" and elements of the urban environment.

A T-light. panel is provided to supply the lighting, which will be mounted on an existing reinforced concrete pillar of the urban power grid from an existing batch of street lighting with ITN 1657273. The panel is equipped with a three-phase outlet for powering the park lighting. Three-phase power supply to the lighting is due to the long track length (over 300m). The control of the park lighting is performed by the control panel / modular relay, which automatically switches on and off the lighting in a pre-selected mode of operation.

For protection against electric shock at the output of the park lighting provides protection against defective-current.

The illumination is provided with 60W lights. They are mounted on double horns on reinforced concrete pipe posts with $H = 3.5\text{m}$. The pillars are supplied with a base plate for installation on a concrete foundation with anchor bolts. The power cords are pulled out in pre-assembled metal pipes that are piled under a pillar. The

connection to the cables to the luminaires is carried out in a coupling box with a ladder fuse included in the supply. On a pillar in front of the terminal box is provided a hole with a cover for access to the terminals.

The power of the park lighting is provided with CBT cables directly in the trench and in the PVC tube with diameter 40mm with a concrete jacket in a trench when crossing the street to the pillar. At the drawing is provided sectional view for its implementation.

The excavation work should be performed manually in view of the presence of other underground facilities. Prior to commencing the excavation works, it is necessary to be given a building line from the Municipality, ensuring the presence of representatives from all the interested institutions, who have underground facilities along the route.

In terms of power supply, the object is a category III and requires power from a single source.

In terms of fire hazard, the site is classified as a normal fire hazard.

When implementing the project, the requirements of the applicable regulations for the construction and operation of electrical installations should be observed.

DESIGNER:

/eng.T.Dimitrov/

