

Annotation

The diploma project addressed all the main issues related to the project of building fiber-optic transmission lines using WDM technology on the section of Tashkent - Samarkand along the highway.

As a result of the design, the tasks were solved to determine the route of laying the optical cable, the choice of equipment, the type of cable, and the development of a communication organization scheme. The calculation of the length of the regeneration section by attenuation and dispersion, the calculation of the choice of equipment. The issues of life safety and technical and economic calculations were also considered.