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THE RECONSTRUCTION PROJECT OF THE ROAD No. JONIŠKIS-ŽAGARĖ-NAUJOJI AKMENĖ SECTION (38,2-42,5 KM)

Final work of bachelor studies

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List of Contents

Introduction

Road reconstruction – essential road redesign to ensure friendly traffic condition, rationally relate road with local landscape to unharm environmental ecological balance. The reconstruction purpose is to improve exploitation stats, increace technical category to ensure existing and prospective traffic requirements also administrational, cultural and others requiremens. When the road reconstruction project is creating it is need to use existing road as mach as it is possible to ensure little materials, works and funding rate.

Road reconstruction projects are mostly maked by higher technical category then an existing road. Road reconstruct is necessary when the intesivity of the traffic becomes too high to ensure safe and fast connection.

Road reconsruction order of works and size depends from economical and technical engineerical research results, conditiones which are applied to reconstructed road and does new road parameters are the same as the existing road. In reconstraction of the road is possible to improve road plan, longitudinal and crossroad profiles, roadbed and road cover, constructing traffic service equiqment, signs and etc.

The reconstructing region road No. 153 Joniškis - Žagarė – Naujoji akmenė are in Joniškis region, Šiauliai area. Total length of the road is 48,21 km. The reconstructing road sector (begining-38,2 km, ending – 42,5 km) is with asphalt cover, but with valiation, such as rut and ete. To improve the traffic condition in the reconstructing project is provided wider asphalt cover and reform road by A - III category requirements.

In the project is made up to reconstruct water drain, make deeper water drain ditch, arrange existing culverts heads and make a new one 1,6 metres diameter culvert. To ensure better passenger transport traffic and do it safer in the project it is need to make two now bus stops and reconstruct two existing.