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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	0
Introduction	10
1. ROAD ROUTE RECONSTRUCTION CONDITIONS  1.1 Existing road roate description	10
1.1 Existing road roate description     1.2 The reasoning and objectives of the reconstruction of the road section	13
The reasoning and objectives of the reconstruction of the road section     Climate	14
1.3 Climate	16
2.1 The composition of traffic intensity.	16
The composition of traffic intensity     Projected average annual traffic intensity per 24 bours	.19
Projected average annual traffic intensity per 24 accurs      The choice of the road technical specifications	19
2.3 The choice of the road technical specifications 2.4 Technical data of the road	21
THE RECONSTRUCTION OF THE ROAD ROUTE	22
THE RESIDENCE OF THE PROPERTY	Cale consensus and a second
4. ROAD LONGITUDINAL PROPILE.	25
4.1 Specifications 5. ROADBED	27
5. ROADBED	27
5.1 General specifications 5.2 The construction of the roadbed	27
The same of the confident particular and the confidence of the con	and the same of th
A ROAD SURFACE CONSTRUCTION     The choice of the design of the road surface course	31
6.2 Estimation of the designed load A.      6.3 The selection of the the road surface pavement design	35
e 4 f f	
e e e el la contra la contra de la contra del la	
THE RESIDENCE PLANT A PART	******************
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A RESIDENCE AND UNIVERSAL DESCRIPTION OF THE PROPERTY OF THE P	pay 102 103 103 103 103 103 103 103 103 103 103
and the state of the second state of the secon	000000000000000000000000000000000000000
The state of the s	**********
	and the second
13. Conclusion	

## 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 reconstruction 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 reconstruction 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 etc. 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.