


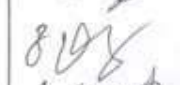
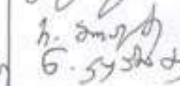
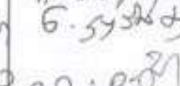
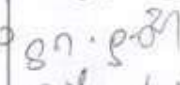
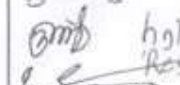


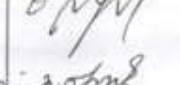
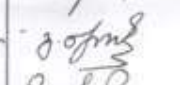
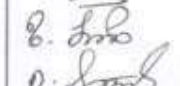
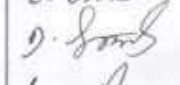
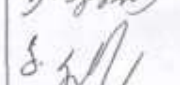





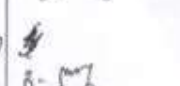


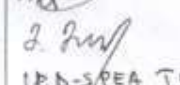
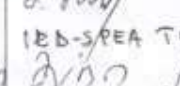
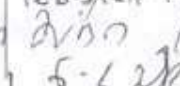


## **APPENDIX A**

### **List of Consultation Attendees, June 2017**

Section F2 of the Khevi-Ubisa-Shorapani-Argveta Road (E60 Highway)  
 Environmental Impact Assessment

NAME/ORG.	SIGNATURE	TEL.
სახსენი		
საპროექტო სამსახური		599-37-62-42
სახსენი		199 28-4254
სახსენი		592 28 08 54
სახსენი		514 00 16 17
სახსენი		558 20 53 75
სახსენი		557 91 46-02
სახსენი		557-48-11-21
სახსენი		596 00 09 00
სახსენი		553 27 29 25
სახსენი		553 28 30 55
სახსენი		557 68-50-03
სახსენი		538-46-20-30
სახსენი		588-54-23-77
სახსენი		557 14 9 99 3
სახსენი		558 26 15 55
სახსენი		595-45-79-29
სახსენი		593 14 09 72
სახსენი		555 32 72 66
სახსენი		557-91-40-28
სახსენი		557 59-04-67
სახსენი		555 27 58 88
სახსენი		555 453 159
სახსენი		599 869 064
სახსენი		595-15-43
სახსენი		555 37 02 36
სახსენი		557-27-02-37

**APPENDIX B**  
**Consultation Presentation, June, 2017**



## Project Overview

The Project is construction of a new road requiring new tunnels, bridges and other structures in order to allow traffic capacity expansion. Construction will be undertaken in difficult topographic and geological conditions without interrupting the trafficflow.

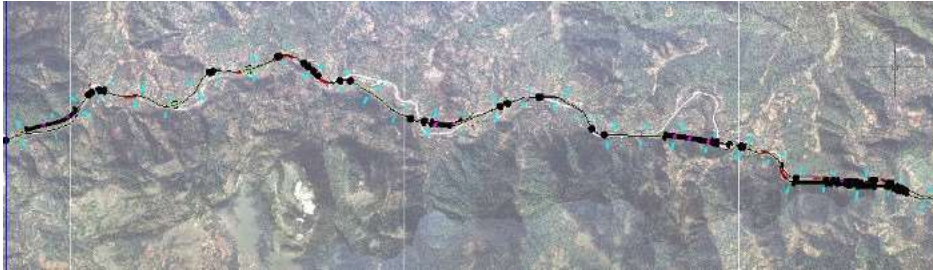
Item	Description
Road Length	41.665 km
Road Width/ Number of Lanes	27m/4 lanes
Design Speed	100/80 km/h
Number of Bridges	77
Number of Tunnels	40
Construction Period	3 years



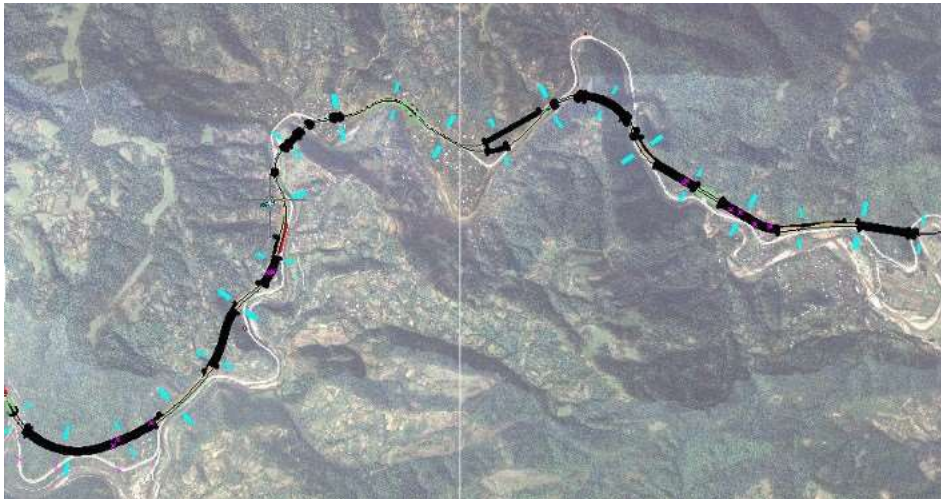
## Project Location

Khevi-Argveta section of E60 Highway starts at the 9<sup>th</sup> km west from the existing Rikoti tunnel and ends near village Argveta. The entire section is divided in 3 Lots: F2-F3-F4

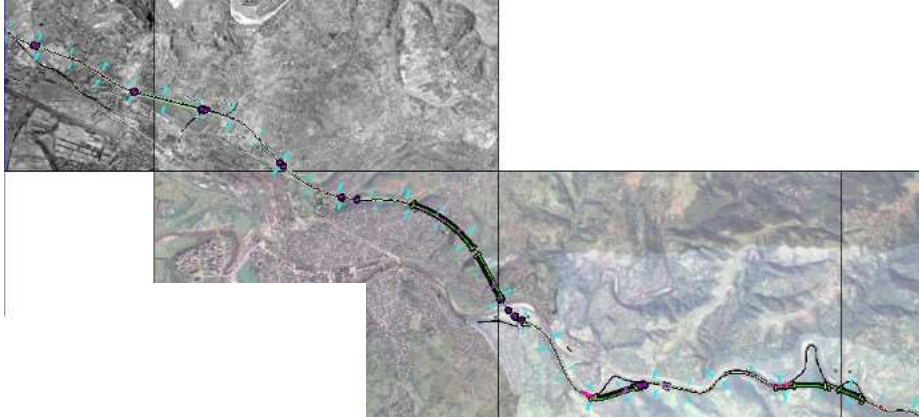
1<sup>st</sup> Lot: F2 ( from km 8+880 to km 24+266 – Tot Length = 15.4 km



3<sup>rd</sup> Lot: F4 ( from km 34+695 to km 50+545 – Tot Length = 10.4 km



2<sup>nd</sup> Lot: F3 ( from km 24+266 to km 34+695 – Tot Length = 10.4 km



## Need for the Project

Transport sector development in Georgia is essential for the achievement of sustainable economic growth, alleviation of poverty and promotion of tourism.

Deterioration of transport infrastructure increases the cost of doing business, deters foreign investment, hampers transit traffic growth, and leaves segments of the population out of mainstream economic activities.

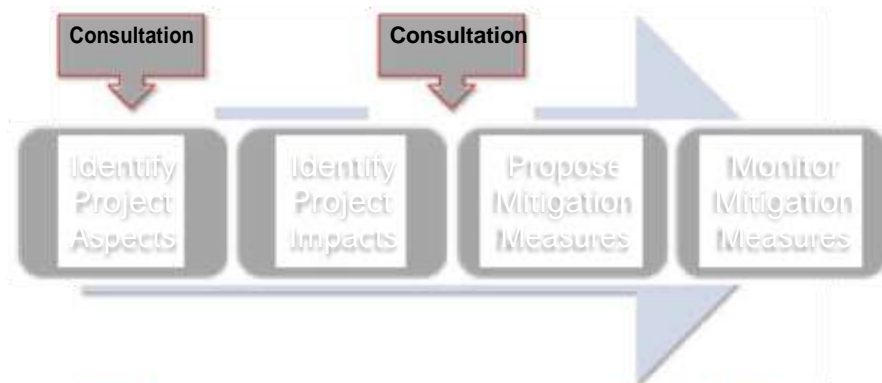
Georgia's geographical location is at the center of East-West (Black Sea and Caspian Sea) and North-South (between Russia and Turkey) transit routes.

Trade with neighboring countries is therefore an important driver of Georgia's economy.



# What is EIA?

“A process for predicting and assessing the potential environmental and social impacts of a proposed project, evaluating alternatives and designing appropriate mitigation, management and monitoring measures.”



## Need for Consultations

EIA of the Project is required by both Government of Georgia and the Asian Development Bank (ADB)

ADB specifically state:

*“The borrower/client will carry out meaningful consultation with affected people and other concerned stakeholders, including civil society, and facilitate their informed participation.”*

For environment category A projects, such consultations will include consultations at the early stage of EIA field work and when the draft EIA report is available during project preparation, and before project appraisal by ADB.



## Type of Consultations



## Other EIA Activities

1. Collection of Baseline Data, including surveys of flora, fauna & rivers.
2. Instrumental monitoring of existing air quality, noise and water quality.
3. Review regulatory requirements.
4. Examine potential alternatives.
5. Assess impacts using tools such as impact matrices and models (air and noise)
6. Prepare of Environmental Mitigation and Monitoring Plans





## Potential Physical Impacts

Aspect	Potential Impact
Air quality	<ul style="list-style-type: none"> <li>Dust during construction – from vehicle movement, batching plants, blasting, tunneling, etc.</li> <li>Vehicle and machinery emissions both during construction and operational phases of the project.</li> </ul>
Soils	<ul style="list-style-type: none"> <li>Spills and leaks of hazardous liquids.</li> <li>Poor management of borrow pits.</li> <li>Soil Erosion during the operational phase.</li> </ul>
Water Quality	<ul style="list-style-type: none"> <li>Spills and leaks of hazardous liquids into rivers.</li> <li>Sedimentation of water ways.</li> <li>Poor disposal of waste water from camp sites.</li> </ul>
Climate Change	<ul style="list-style-type: none"> <li>Increased levels of GHGs from vehicle emissions.</li> <li>Impacts of climate change to the Project, e.g. flooding.</li> </ul>



## Potential Biological Impacts

Aspect	Potential Impact
Flora	<ul style="list-style-type: none"> <li>Clearance of vegetation for road widening, borrow pits, construction camps and access roads.</li> <li>Illegal cutting of trees.</li> <li>Damage to trees and vegetation during construction.</li> </ul>
Fauna	<ul style="list-style-type: none"> <li>Destruction of habitat for road widening, borrow pits, construction camps and access roads.</li> <li>Blocking migration routes.</li> <li>Degradation of river habitat and associated impacts to fish and other aquatic fauna.</li> </ul>
Protected Areas / Forests	<ul style="list-style-type: none"> <li>Degradation of forests for road widening, borrow pits, construction camps and access roads.</li> </ul>



## Potential Socio-economic Impacts

Aspect	Potential Impact
Access	<ul style="list-style-type: none"> <li>Construction works impeding access to properties and shops / businesses.</li> </ul>
Noise	<ul style="list-style-type: none"> <li>Elevated noise levels during both construction and operational phases of the project.</li> </ul>
Traffic and Safety	<ul style="list-style-type: none"> <li>Construction traffic accidents.</li> <li>Blasting during tunnel excavation and embankment works.</li> <li>Accidents to workers.</li> <li>Accidents involving the public at work sites.</li> </ul>
Waste	<ul style="list-style-type: none"> <li>Illegal dumping of solid and liquid waste</li> <li>Poor management of hazardous waste leading to pollution of soil, groundwater and health impacts</li> </ul>
Cultural Heritage	<ul style="list-style-type: none"> <li>Road encroaching on cemeteries and sites of cultural value</li> </ul>



## Your Thoughts



## APPENDIX C

### List of Consultation Attendees, February 2018

ხევი-უბისა-შორაპანი-არგვეტის ახალი მოწყობის მშენებლობის დეტალური პროექტის (E60 მაგისტრალი), სატენდერო დოკუმენტაციის, გარემოზე ზემოქმედების შეფასების და მიწის შესყიდვის დეტალური პლანის მოწოდება  
 Preparation of Detailed Design for New Construction of Khevi-Ubisa-Shorapani-Argveta section (E60 Highway route), Bidding Documents, Environmental Impact Assessment and Detailed Land Acquisition and Resettlement Plan

მისამართებისა და მკითხველთა სია List of Addressees

22.02.2018

N	გვარი, სახელი	ფაჩი	სამსახური ადგილი	ბანკის სახელი
1	ერანი ვანსანტი	ხანაველი	ხანაველი	593356520
2	ავთიანი თეიმურაზი	ხანაველი	ხანაველი	593652326
3	ნიჭაბაძე	ხანაველი	ხანაველი	598885455
4	ბიბიჯანაძე	ს. ბიბიჯანაძე	ს. ბიბიჯანაძე	579929508
5				

ავთიანი თეიმურაზი	ხანაველი	ს. ბიბიჯანაძე	599516178
ბიბიჯანაძე	ხანაველი	ს. ბიბიჯანაძე	597031024
ნიჭაბაძე	ხანაველი	ხანაველი	5992852664
ნიჭაბაძე	ხანაველი	ხანაველი	595519815
ნიჭაბაძე	ხანაველი	ხანაველი	595424444
ნიჭაბაძე	ხანაველი	ხანაველი	5775443928

ნიჭაბაძე	01.001.001.116	ხანაველი	595519815
ბიბიჯანაძე	5600100917	ხანაველი	595360148
ნიჭაბაძე	35201043404	ხანაველი	59545-76-83
ნიჭაბაძე	26001057960	ხანაველი	595485454
ნიჭაბაძე	56001002726	ხანაველი	595-45-76-68
ნიჭაბაძე	ხანაველი	ხანაველი	595448597
ნიჭაბაძე	56001004890	ხანაველი	599253021
ნიჭაბაძე	ხანაველი	ხანაველი	595-44-50-57
ნიჭაბაძე	ხანაველი	ხანაველი	593356520
ავთიანი თეიმურაზი	ხანაველი	ხანაველი	593652326


**APPENDIX D**  
**Consultation Presentation, February, 2018**

