A1 – BAR – BOLJARE HIGHWAY

Mateševo – Andrijevica section – the designation of the section: A1-2

OVERVIEW OF THE IMPLEMENTATION OF PROJECT DOCUMENTATION BY SECTIONS, HIGHWAYS, AND EXPRESSWAYS

BAR - BOLJARE HIGHWAY A1

Name of the road	section designation	Name of the section	Length	Estimated value	Conceptual Design	Preliminary Design	Main Design
A1	1	Smokovac - Mateševo	42	Constructed and opened for traffic on July 13, 2022			
A1	2	Mateševo - Andrijevica	22	549,295,000	completed	completed	EBRD tender in process
A1	3	Andrijevica - Crnča	28	470,000,000	completed	tender in process	to announce tender in 2026
A1	4	Crnča - Boljare	23	415,000,000	completed	tender in process	to announce tender in 2026
A1	5	Smokovac - Tološi	10	150,000,000	completed	tender in process	to announce tender in 2026
A1	6	Tološi - Intersection with the Adriatic - Ionian Highway (Gradac)	16	220,000,000	review in process	to announce tender in 2025	to announce tender in 2026
A1 -A2 / A1 -A2	7	Intersection with the Adriatic - Ionian Highway (Gradac)	24	360,000,000	review in process	to announce tender in 2025	to announce tender in 2026
A1 -A2 / A1 -A2	8	Virpazar - Stari Bar	26	420,000,000	design in process	tender in process	to announce tender in 2026

ADRIATIC - IONIAN HIGHWAY A2

Name of the road	section designation	Name of the section	Length	Estimated value	Conceptual Design	Preliminary Design	Main Design
A2	1	Gradac - Čevo	25	370,000,000	review in process	to announce tender in 2025	to announce tender in 2027
A2	2	Čevo - Grahovo	17	245,000,000	tender in process	to announce tender in 2025	to announce tender in 2027
A2	3	Grahovo - Border with Bosnia and Herzegovina	16	225,000,000	tender in process	to announce tender in 2025	to announce tender in 2028
A1 -A2 / A1 -A2		Intersection with the Bar - Boljare Highway (Gradac) - Virpazar	The shared part of the Bar - Boljare Highway and Adriatic - Ionian Highway route				
A1 -A2 / A1 -A2		Virpazar - Stari Bar					
A2	4	Stari Bar - Ulcinj - Border with Albania	26	420,000,000	design in process	to announce tender in 2025	to announce tender in 2027

EXPRESSWAYS B1, B2, B3, B4 i B5

Name of the road	section designation	Name of the section	Length	Estimated value	Conceptual Design	Preliminary Design	Main Design
B1	1	The Bar - Boljare Highway - Budva Bypass - Jaz	16	400,000,000	design in process	to announce tender in 2025	to announce tender in 2026
B2	2	Jaz - Border with Croatia	43	1,075,000,000	design in process	to announce tender in 2025	to announce tender in 2028
B2	1	Crnča - Pljevlja	64	900,000,000	design in process	to announce tender in 2025	to announce tender in 2028
B2	2	Pljevlja - Border with Bosnia and Herzegovina	30	400,000,000	design in process	to announce tender in 2025	to announce tender in 2029
B3	1	Smokovac - Tuzi - Božaj	24	322,000,000	review in process	to announce tender in 2025	to announce tender in 2028
B4	1	Podgorica - Danilovgrad	16	230,000,000	to announce tender in 2025	to announce tender in 2026	to announce tender in 2027
B4	2	Danilovgrad - Nikšić	34	470,000,000	design in process	to announce tender in 2025	to announce tender in 2027
B4	3	Nikšić - Šavnik	35	495,000,000	tender in process	to announce tender in 2025	to announce tender in 2029
B4	4	Šavnik - Žabljak	22	310,000,000	tender in process	to announce tender in 2025	to announce tender in 2029
B4	5	Žabljak - Pljevlja (Vrulja)	38	535,000,000	tender in process	to announce tender in 2025	to announce tender in 2029
B5	1	Andrijevica - Border with Kosovo	27	480,000,000	design in process	to announce tender in 2025	to announce tender in 2029

A1 – BAR – BOLJARE HIGHWAY

Mateševo - Andrijevica section - the designation of the section: A1-2

The length of the Mateševo – Andrijevica section is approx. 22 km, and the estimated investment value is approx. EUR 549,295,000.
In accordance with the current planning documentation, this section is designated as the **second phase** of the Bar – Boljare Highway construction.
The construction of this section will create conditions for better development of the northern region of Montenegro and improved connectivity between the north and south of the country, which will yield positive effects across numerous aspects.

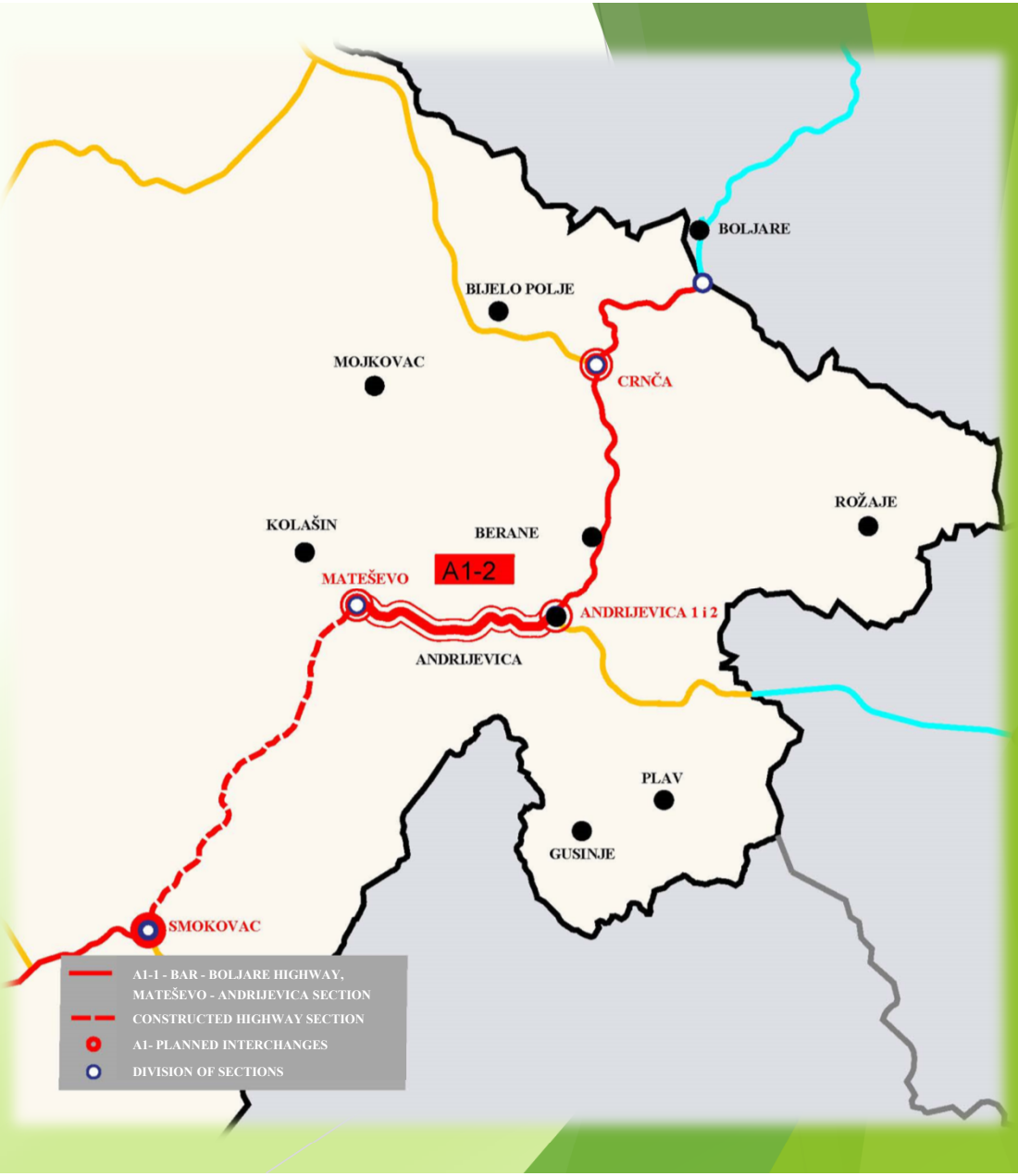
The project will be implemented in compliance with FIDIC conditions – Yellow Book.

A1 - BAR - BOLJARE HIGHWAY

Mateševo - Andrijevica section - the designation of the section: A1-2

Status of the documentation completed so far

- General Design – 2008
- Preliminary Design - 2023
- Conceptual Design of the Changed Part of the Route from the Entrance Portal of the Trešnjevik Tunnel to the Andrijevica 1 Interchange - 2024



A1 – BAR - BOLJARE HIGHWAY

Mateševo – Andrijevica section – the designation of the section: A1-2

Changed Part of the Route from the Entrance Portal of the Trešnjevik Tunnel to the Andrijevica 1 Interchange

The decision to change the Highway route compared to the available Preliminary Design, i.e., to develop a Conceptual Design, was made following the preliminary results of the ESIA conducted for the available version of the Preliminary Design, as well as communication with and suggestions from the local population, with the aim of preserving settlements affected by the Highway.

The change represents a significant additional step in the implementation of this major infrastructure project and mitigates possible adverse impacts on the local community and the environment.

The new route, as per the planned change, has an approximate length of 12.5 km and is designed to be placed on bridges.

<u>The change is planned due to the following objectives:</u>

- Preservation of existing structures, particularly in the settlement of Kralje, thereby avoiding the relocation of a significant number of residents.
- Environmental preservation, as the planned route adjustment reduces the cutting into existing slopes, thereby minimizing the adverse impact on the environment and preserving the landscape;
- Social considerations, as the planned change takes into account the concerns and needs of the local population, increasing the project's acceptance within the local community, which will facilitate faster project implementation.

A1 – BAR – BOLJARE HIGHWAY

Mateševo – Andrijevica section – the designation of the section: A1-2 – road elements

This highway section is designed for a design speed of v = 100 km/h and includes the following elements of the cross-section:

- Traffic lanes: 4(2+2)x3,50m;
- Emergency lanes: 2x2.5m;
- Width of the median strip is variable, but not less than 4 m;
- Width of edge strips adjacent to the traffic lanes: 2x0.35 m;
- Width of edge strips adjacent to the emergency lane: 2x0.25 m;
- Width of the shoulder: 1.50m;
- Width of the emergency bay 4.00m;

A1 - BAR - BOLJARE HIGHWAY

Mateševo - Andrijevica section -the designation of the section: A1-2 - connection to the existing road network and service area facilities

The connection of this Highway section to the existing road network is achieved via the Mateševo interchange, already constructed during the implementation of the priority section, and the Andrijevica 1 interchange, planned as a link between the Highway and the regional road Berane – Andrijevica.

A maintenance base, including a fire post, is planned near the Andrijevica 1 interchange. Considering the altitude and the anticipated occurrence of snow and fog, the base will feature facilities to ensure effective and uninterrupted winter maintenance.

A rest area and a petrol station are planned at the beginning of the route, in the Drcka River zone.

The petrol station in Andrijevica is being developed at the Conceptual Design level and will be implemented in **second phase.**

A1 – BAR – BOLJARE HIGHWAY

Mateševo - Andrijevica section - the designation of the section: A1-2- technical data

The key structure on this section is the Trešnjevik Tunnel, with a length of approx. 3.9 km.

This tunnel is planned as a twin-tube tunnel, with two traffic lanes in each direction. The structure will be designed and constructed in accordance with the NATM, including the application of EU directives on tunnel safety.

This section of the Highway is characterized by complex geological composition and terrain configuration.

The complexity of the route is further evidenced by the fact that this section of the Highway is located at an elevation of approx. 730 m above sea level and reaches an elevation of approx. 1180 m above sea level in the area of the Trešnjevik tunnel.

Tabular overview of data			
Characteristic	**Unit of measurement**	**Quantity**	**%**
Total length of the section	km	22.0	
Total length of the open route	km	11.0	50
Total length of the bridges	km	7.1	32
Total length of the tunnels	km	3.9	18
Total length of the route on structures	km	11.0	50

Characteristic	Unit of measurement	Quantity
Total length of the section	km	22.0
Total length of the route with a gradient greater than 4%	km	5.69
Length of the route with a maximum longitudinal gradient of 5.5%	km	4.86
Total number of bridges in the left and right lanes	kom	54
Total length of the bridges	km	7.1
Longest bridge	km	1.4
Total number of twin-tube tunnels	kom	1
Total length of tunnels	km	3.9
• Tunnel excavation	m^3	1 050 000
Total open route	km	11.0
• Excavation on the open route	m^3	1 740 000
• Embankment on the open route	m^3	2 102 000