

TECHNICAL REPORT (DESCRIPTIVE PROJECT)

Performance-based maintenance Fushë Krujë -Thumanë - Milot, Fushë Krujë - Krujë, Luz - Fabrika e çimentos, Krujë - Sarisalltik, Laç - Patok (60.9 km) (Contract 2)

- **Scope of services to be carried out**

The services to be provided include all the activities, physical and others, which should be carried out by their compliance with the levels of service, and the criterion set for their performance fulfillment, or any other requirement. In particular, they include managerial duties and physical works concerning road-related assets and items:

- Asphalt
- Shoulders
- Road signs and supply of road safety devices
- Lighting (where available)
- Drainage facilities
- Vegetation control
- Escarpments (excavations and shoulders)
- Art works (wing and retaining walls, other culverts)
- Bridges in particular
- Traffic management
- Soil removal
- Snow removal (if winter maintenance is available)

Required road Maintenance services are classified as follows:

- Routine Maintenance Services in the form of quantity expressed in a monthly ceiling amount (this will be a monthly quantity applicable throughout the contract duration, expressed in price per km for each month multiplied by road length and duration of services);
- Emergency Works in the form of a traditional bill of quantities.
- Rehabilitation/Periodic Works in the form of quantity of a ceiling amount, while indicating the quantities of measurable works to be carried out in order for the road to meet its performance standards. These works will be carried out throughout the contract duration (at least once per year), in the quantity and location to be determined in cooperation with the employer, contractor and works supervisor.

The main functions of maintenance bases in general should be as follows:

1. Supervision of road segment/section in certain periods by levels of service
2. Observation of meteorological factors
3. First aid in case of accidents (related to road and traffic elements)
4. Maintenance on desired road layers conditions
5. Maintenance of parking spaces, service, road signs, lighting systems, and future signaling and telecommunication
6. Repairs and reconstruction after road accidents
7. Repairs and reconstruction after natural disasters
8. Cleaning operations of drains, culverts and other facilities (bridges and art works) related to the removal of water from road surface
9. All the operations for the cleaning and maintenance of:
 - road signs, safety devices (guardrails, parapets) and lighting system (bulb/lamp replacements, minor conductor repairs etc.)
 - maintenance, cleaning and repairing of bridges (including greasing of bearings, painting of their metal parts etc.)
 - local repair of sidewalk damages
 - vegetation protection
 - winter activities for the removal of snow and ice.

Winter maintenance works include:

1. Preliminary works before winter
2. Organization of materials storage locations
3. Protective measures for road ice in case of extremely low temperatures
4. Removal of snow from highway carriageway and communication signs and signals
5. Marking of carriageway sides
6. Ensuring carriageway drainage system operation
7. Removal of vehicles from the road
8. Installation of specific communication signals in case of special traffic regime for road closures
9. Ongoing public information on road conditions and traffic flow

• **Segments to be covered by the contract:**

Road No.	Index	Road names	Road type	Total length (km)	Term (months)
				a	b
		ROUTINE MAINTENANCE			
1	2/1	Fushë Krujë (Y branch) - Fushë Krujë (center)	SFLH	1.6	48
1	2/2	Fushë Krujë -Thumanë - Ura e Drojës (old road)	SFLH	14.2	48
38	2/3	Fushë Krujë - Halilaj - Krujë	SFL+SHL	8.9	48
39	2/4	Luz (k/autostrade) - Fabrika e çimentos	SHL	3.5	48
N/A	2/5	Krujë - Sarisalltik	SMTW	6.2	48
1	2/6	Road Laç (Patok branch) - K/Milot (Laç - Milot)	SFL	6	48
1	2/7	Droja Bridge - Laç (Patok branch) old road	SFL	9.9	48
35	2/8	Laç - Patok (Beach)	SFL	10.6	48
	1	LENGTH KM CONTRACT 2		60.9	

Note: SFL – road in a field terrain with one carriageway, without winter maintenance, SHL – road in a hilly terrain with one carriageway, without winter maintenance, SMTW – road in a mountainous terrain with one carriageway, with winter maintenance, SFLH - road in a field terrain with one carriageway, without winter maintenance, high risk.

• **Specific condition**

For each case, the segments to be included in investment (reconstruction) or other projects of the Albanian Road Authority will be reduced from the contract.

• **Road signs and safety**

The maintenance of road signs and safety (guardrails) will be focused on repair and upgrade of the existing one.

• **Description of the area where the road is located**

Fushë Krujë (Y branch) - Fushë Krujë (center)

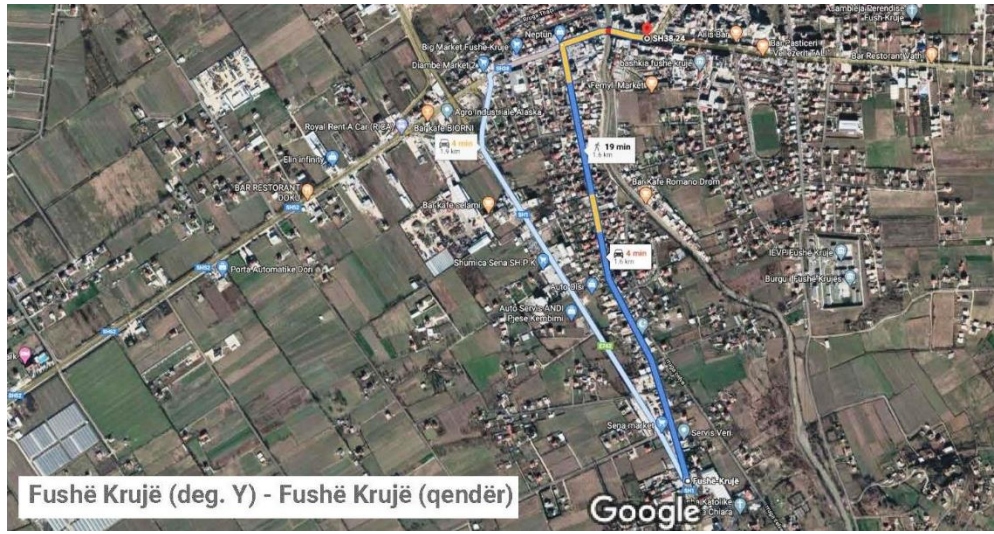
This road segment traverses the city of Fushë Krujë.

It is a single carriageway segment. Asphalt layers are in good condition. Roadside ditches and culverts require partial cleaning.

Road signs and safety require upgrading and partial replacement.

The road is on a field terrain with one carriageway without winter maintenance and is of high risk.

Required service level is “good”.



Fushë Krujë -Thumanë - Ura e Drojës (old road)

This road segment connects Fushë Krujë to Laç.

It is a single carriageway segment. Asphalt layers are in good conditions and have been recently rehabilitated. Roadside ditches and culverts require partial cleaning.

Road signs and safety require upgrading and partial replacement.

The road is on a mountainous terrain with one carriageway with winter maintenance.

Required service level is “good”.



Fushë Krujë - Halilaj – Krujë

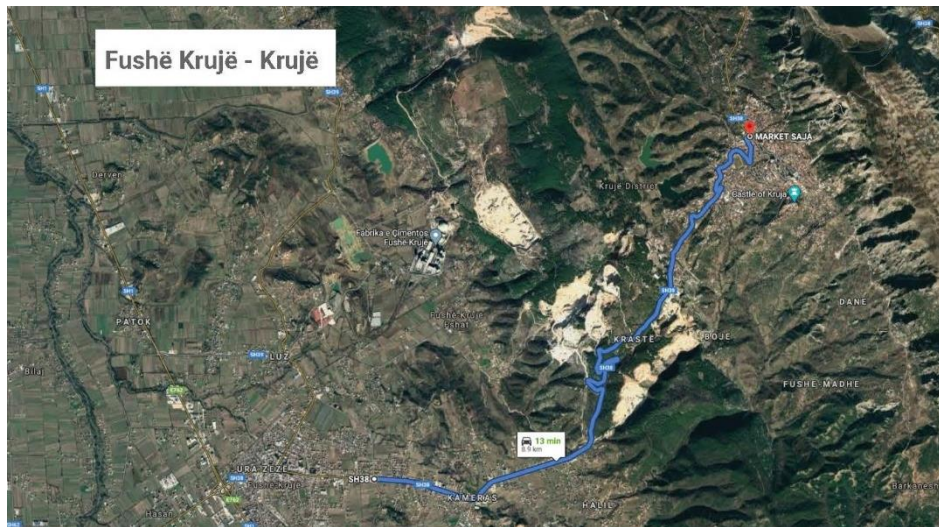
This road segment is road no. 38.

It is a single carriageway segment. Asphalt layers are in good condition and require few repairs. Roadside ditches and culverts require partial cleaning.

Road signs and safety require upgrading and partial replacement.

The road is on a field and hilly terrain with one carriageway without winter maintenance.

Required service level is “good”.



Luz (k/autostrade) - Fabrika e çimentos

This road segment is a right branching of Road No. 1, Tiranë-Shkodër.

It is a single carriageway segment. Asphalt layers are in good condition and require few repairs. Roadside ditches and culverts require partial cleaning.

Road signs and safety require upgrading and partial replacement.

The road is on a hilly terrain with one carriageway without winter maintenance.

Required service level is “good”.



Krujë – Sarisalltik

This road segment connects Krujë to Kruja mountain.

It is a single carriageway segment. Asphalt layers are in good conditions and have been recently rehabilitated. Roadside ditches and culverts require partial cleaning.

Road signs and safety require upgrading and partial replacement.

The road is on a mountainous terrain with one carriageway with winter maintenance.

Required service level is “good”.



Droja Bridge - Laç (Patok branch) - K/Milot (Laç - Milot)

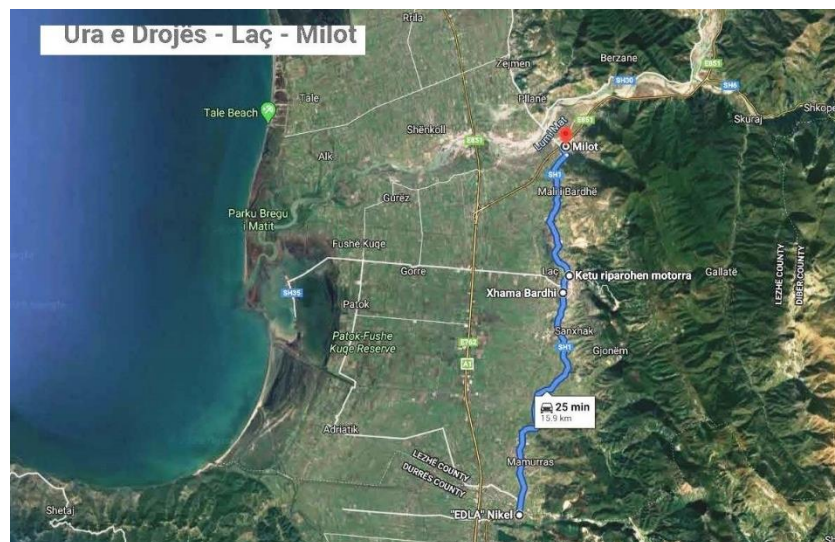
It is a single carriageway segment.

Asphalt layers are in good condition and require few repairs. Roadside ditches and culverts require partial cleaning.

Road signs and safety require upgrading and partial replacement.

The road is on a field terrain with one carriageway without winter maintenance.

Required service level is “good”.



Laç - Patok (Beach)

It is a single carriageway segment.

Asphalt layers are in good condition and require few repairs. Roadside ditches and culverts require partial cleaning.

Road signs and safety require upgrading and partial replacement.

The road is on a field terrain with one carriageway without winter maintenance.

Required service level is “good”.

