

## TECHNICAL REPORT (DESCRIPTIVE REPORT)

Performance-based routine maintenance, "Q.Laç - Koman, H/Berdice- Velipojë, Buna Bridge (new)-Shirokë, Krye Bushat-B.Jugë, D/Barbullush-Kukël" 81.1 km

- **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 the contractor by their compliance with the levels of service, based on the implementation of all technical specifications.

In particular, they include managerial duties and physical works related to the following categories of works:

- Asphalt
- Leveling of shoulders
- Repair and upgrade of vertical and horizontal signs (and lighting, if any)
- Drainage facilities (ditches, gutters, culverts, etc.)
- Vegetation control
- Escarpments (leveling and removal of vegetation.)
- Control, repair and maintenance of art works
- Repair and upgrade of guardrails or concrete parapets
- Traffic management during execution of works
- Snow removal (if winter maintenance is available)

The services required by road maintenance are classified in the following categories of works:

- **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).

- **Rehabilitation 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.

- **Emergency Works** in the form of a traditional bill of quantities.

*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. Monitoring of meteorological factors and undertaking measures depending on the situation.
3. Maintenance on desired road layers conditions.
4. Maintenance of parking spaces, service, road signs, lighting systems, and future signaling and telecommunication.
5. Repairs and reconstruction after road accidents.
6. Repairs and reconstruction after natural disasters.

7. Cleaning operations of drains, culverts and other facilities related to the removal of water from road surface.

8. All the operations for the cleaning and maintenance of:

- road signs, safety devices (guardrails, parapets, etc.) and lighting system
- local repair of sidewalk damages
- vegetation protection
- winter activities for the removal of snow and ice.

*Winter maintenance works (if any) include:*

1. Preliminary works before winter
2. Organization of materials (salt and vehicles) storage locations
3. Protective measures for snow, ice, snow piles and avalanches
4. Organization for 24 information reporting to 24 competent bodies.

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

No.	Segment name	Start coordinates	End coordinates	Length	Width
				km	ml
1	Q.Laç - Koman	42.011723, 19.655475	42.108821, 19.826046	32.8	6
2	Harku Bërdicës - Velipojë	42.032024, 19.503220	41.866250, 19.426123	26.1	6 and 7
3	(New) Buna Bridge - Shirokë	42.046179, 19.485792	42.058310, 19.460215	3.8	6
4	K/Bushat - Bisht Jugë	41.980763, 19.543629	41.927789, 19.469772	10.1	6
5	D/Barbullush - Kukel	41.952372, 19.528676	41.893648, 19.565171	8.3	5
<b>CONTRACT 2 TOTAL SUM</b>				<b>81.1</b>	

• **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**

**Q. Laç – Koman 32.8 km**

This road segment is part of road no. 25, and part of the connecting road between the city of Vau i Dejës and Koman HPP.

It is a paved segment with one carriageway (width 6 ml).

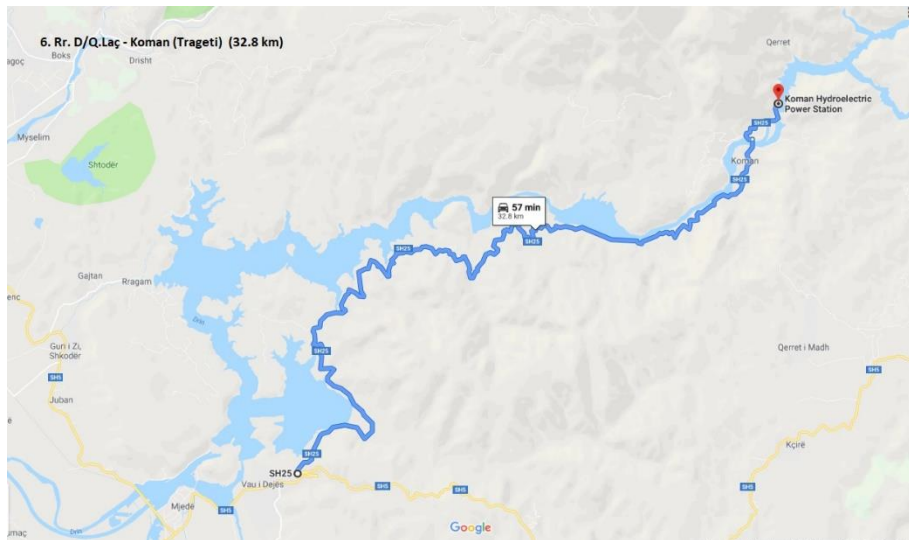
The asphalt layers' conditions are poor. Despite the partial interventions carried out under previous maintenance contracts, this road axis needs a total reconstruction.

The side ditches and culverts need partial cleaning.

The road signs and safety need further completion and ongoing maintenance.

The road lies in a mountainous terrain and is subject to winter maintenance.

The required level of service is "good".



### **Harku Bërdicës– Velipojë 26.1 km**

This road segment is part of road no. 27, and part of the connecting road between the city of Shkodra and Velipoja tourist point.

It is a paved segment with one carriageway (width 6 -7 ml)

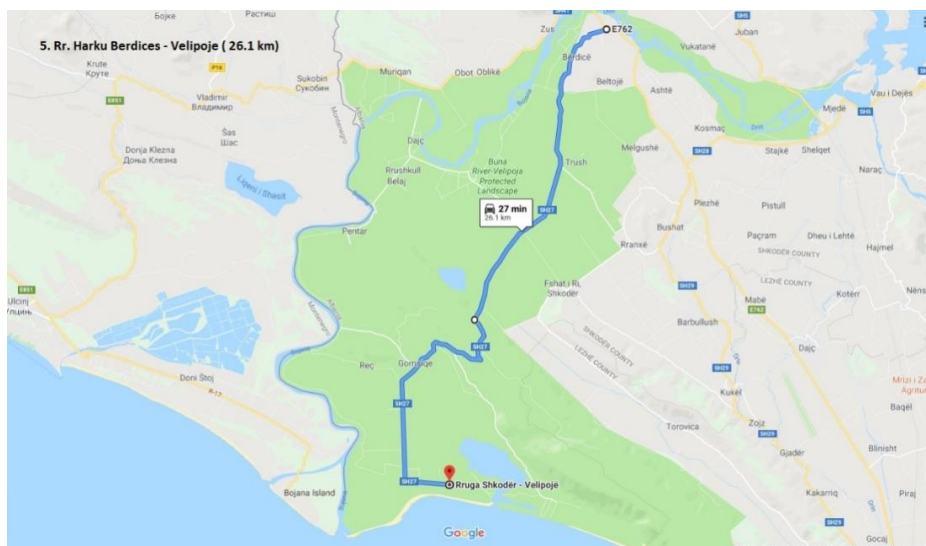
The asphalt layers' conditions are poor in the first 3.5 km. The conditions of the rest are good.

The side ditches and culverts need partial cleaning.

The road signs and safety need further completion in the first 3.5 km, whereas the rest needs ongoing maintenance

The road lies in a field terrain and is not subject to winter maintenance.

The required level of service is “good”.



### **(New) Buna Bridge - Shirokë 3.8 km**

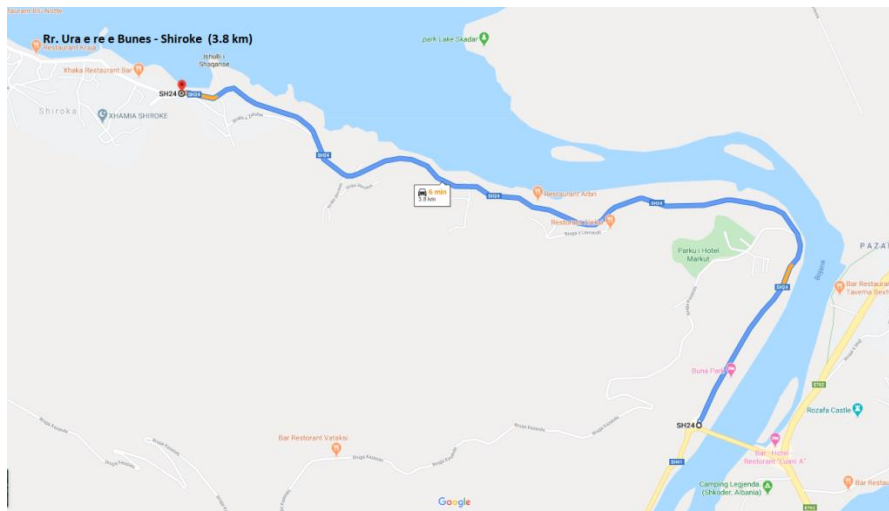
This road segment is part of road no. 24, and part of the connecting road between the city of Shkodra and Shiroka tourist point. The segment start in the new Buna Bridge and ends in Shiroka promenade investment start.

It is a paved segment with one carriageway (width 6 ml,

The asphalt layers' conditions are good.

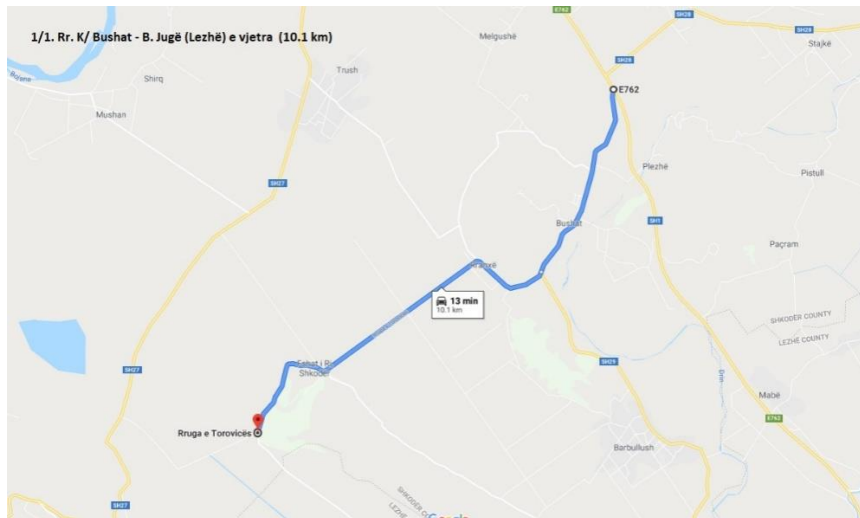
The side ditches and culverts need partial cleaning.

The road signs and safety need ongoing maintenance.  
The road lies in a hilly terrain and is not subject to winter maintenance.  
The required level of service is “good”.



#### **K/Bushat - Bisht Jugë 10.1 km**

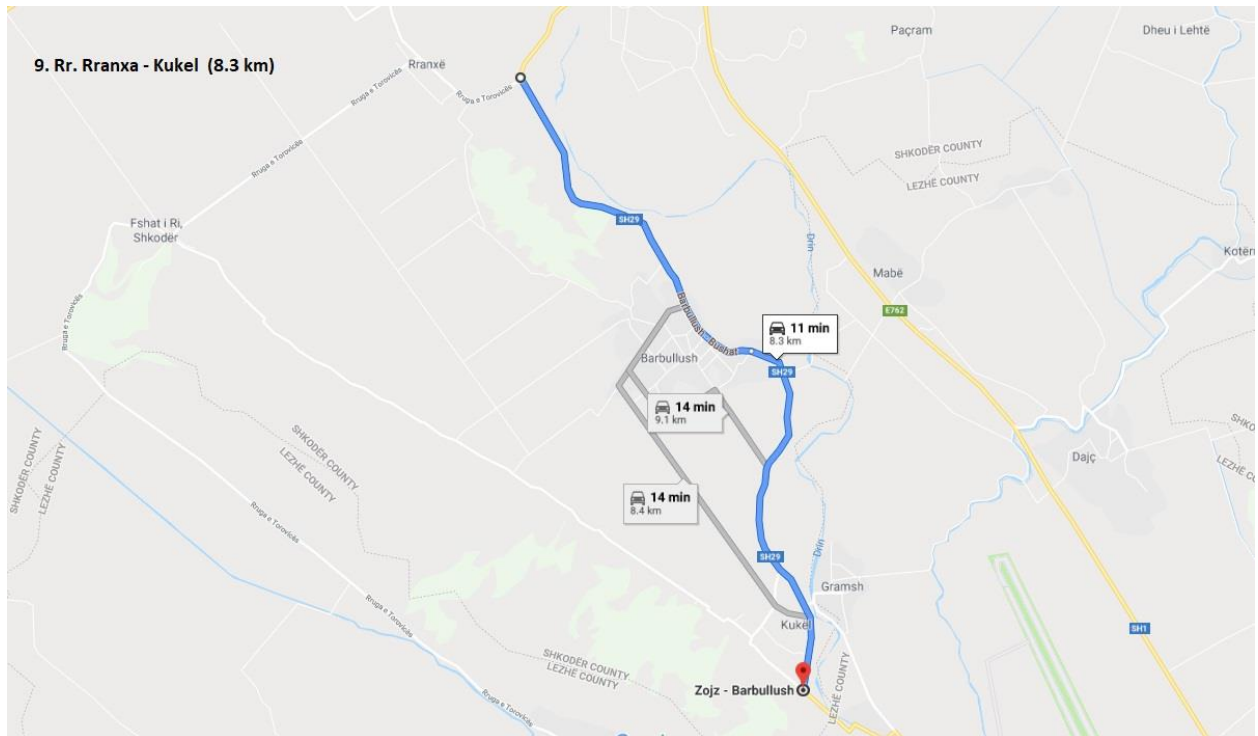
It is a paved segment with one carriageway (width 6 ml,  
The asphalt layers' conditions are good.  
The side ditches and culverts need partial cleaning.  
The road signs and safety need ongoing maintenance.  
The road lies in a field terrain and is not subject to winter maintenance.  
The required level of service is “good”.



#### **D/Barbullush - Kukel 8.3 km**

This road segment is part of road no. 29.  
It is a paved segment with one carriageway (width 5 ml,  
The asphalt layers' conditions are good.  
The side ditches and culverts need partial cleaning.  
The road signs and safety need ongoing maintenance.  
The road lies in a field terrain and is not subject to winter maintenance.

The required level of service is “good”.



WORKING GROUP:

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