

## TECHNICAL REPORT (DESCRIPTIVE PROJECT)

### **Performance-based maintenance, Tepelenë-Dorëz- Qaf Dushk + K/Sevaster-Kalivac + Bypass Tepelenë+ Peshkëpi –Gjorm 81.7 km**

#### **1. 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
- Drainage facilities
- Vegetation control
- Escarpments (excavations and shoulders)
- Art works
- Traffic management
- Soil accumulation
- Snow removal (if winter maintenance is available)

The services required by road maintenance are classified in:

2. 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.
3. 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);
4. 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. Control of traffic data for this segment
3. Observation of meteorological factors
4. First aid in case of accidents (related to road and traffic elements)
5. Maintenance on desired road layers conditions
6. Maintenance of parking spaces, service, road signs, lighting systems, and future signaling and telecommunication.
7. Repairs and reconstruction after road accidents
8. Repairs and reconstruction after natural disasters
9. Cleaning operations of drains, culverts and other facilities related to the removal of water from road surface.
10. All the operations for the cleaning and maintenance of:
  - road signs, safety devices (guardrails, parapets) and lighting system
  - 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 snow, ice, snow piles and avalanches
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

**5. Segments to be covered by the contract:**

Road No.	No.	Road names	Road type	Total length (km)	Width (m)
SH 76	1	Tepelene –Dukaj		9	4.75
SH 76	2	K/Salari-Sevaster		31.7	3.5
SH 76	3	Sevaster-Qaf Dushk		14.6	4.5
N/A	4	Sevaster-Kalivac		9.4	4.5
SH 76	5	Peshkëpi-Gjorm		17	6
SH 4	6	Bypass Tepelenë		2.3	9
<b>CONTRACT SUM</b>				<b>81.7</b>	

Note:

**6. 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.

**7. Road signs and safety**

The maintenance of road signs and safety (guardrails) will be focused on repair and upgrade of the existing one. The road axis is problematic with regards to road safety aspect, because the road signs in the segment from Dukaj village to Vlorë border is almost inexistent.

**8. Description of the area where the road is located**

Tepelenë-Dorëz(bordered with Vlorë)-Qaf Dushku(Sh 76)

Coordinates:

Start: 40.301457, 20.022075 (Intersection Sh 4)

End: 40.377508, 19.620148 (Intersection with Vlorë River Road)

Pursuant to DCM No. 405, dated 08.01.1996, this road axis has been added to national roads inventory. The Tepelenë – Qaf Dushku is an important road axis because it connects the city of Tepelenë and road axis SH4 to the villages of Kurvelesh area, as well as to Vlorë River road and the city of Vlorë.

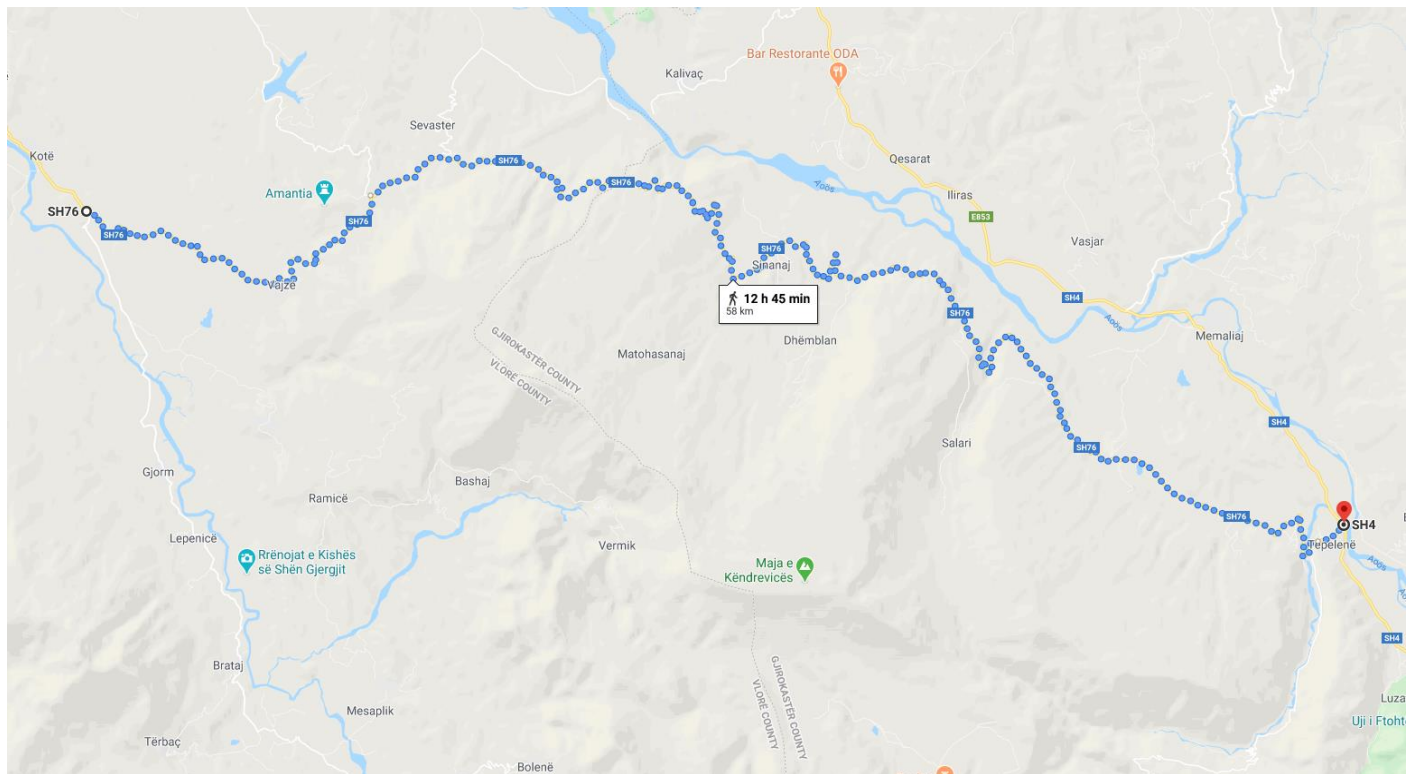
It is important for the tourism.

The first 9 kilometers of Tepelenë – Dorëz road axis are asphalted (up to Dukaj village), whereas from Dukaj village to the intersection with Salari village, the 2.7 km long road axis is subject to investment from the ADF, and the road up to the intersection with Sevaster village is amortized and not asphalted, which is problem during winter season.

The road signs are almost completely missing, and completion and repairs are needed where they are available.

The road axis from K/Sevaster to Qaf-Dushku area (intersection with Vlorë River road) has been constructed by funds from the Albanian Development Fund (Kotë-Sevaster), the road layers' conditions are good, with some road track slides identified in certain areas.

It needs permanent maintenance, as it presents some problems related to slides of alluvial soils, as well as completion of road signs.



➤ Sevaster-Kalivac 9.4 km

Start coordinates: 40.390602, 19.732690

End coordinates: 40.409055, 19.782446

Pursuant to DCM No. 184, dated 13.03.2012, this road axis has been added to national roads inventory.

The Sevaster-Kalivac is a 9.4 km long rural road axis recently invested by the Albanian Development Fund, which needs maintenance in all road components.

The overall conditions of road layers are good, but maintenance is needed. Vegetation, shoulders and irrigation ditches require maintenance.

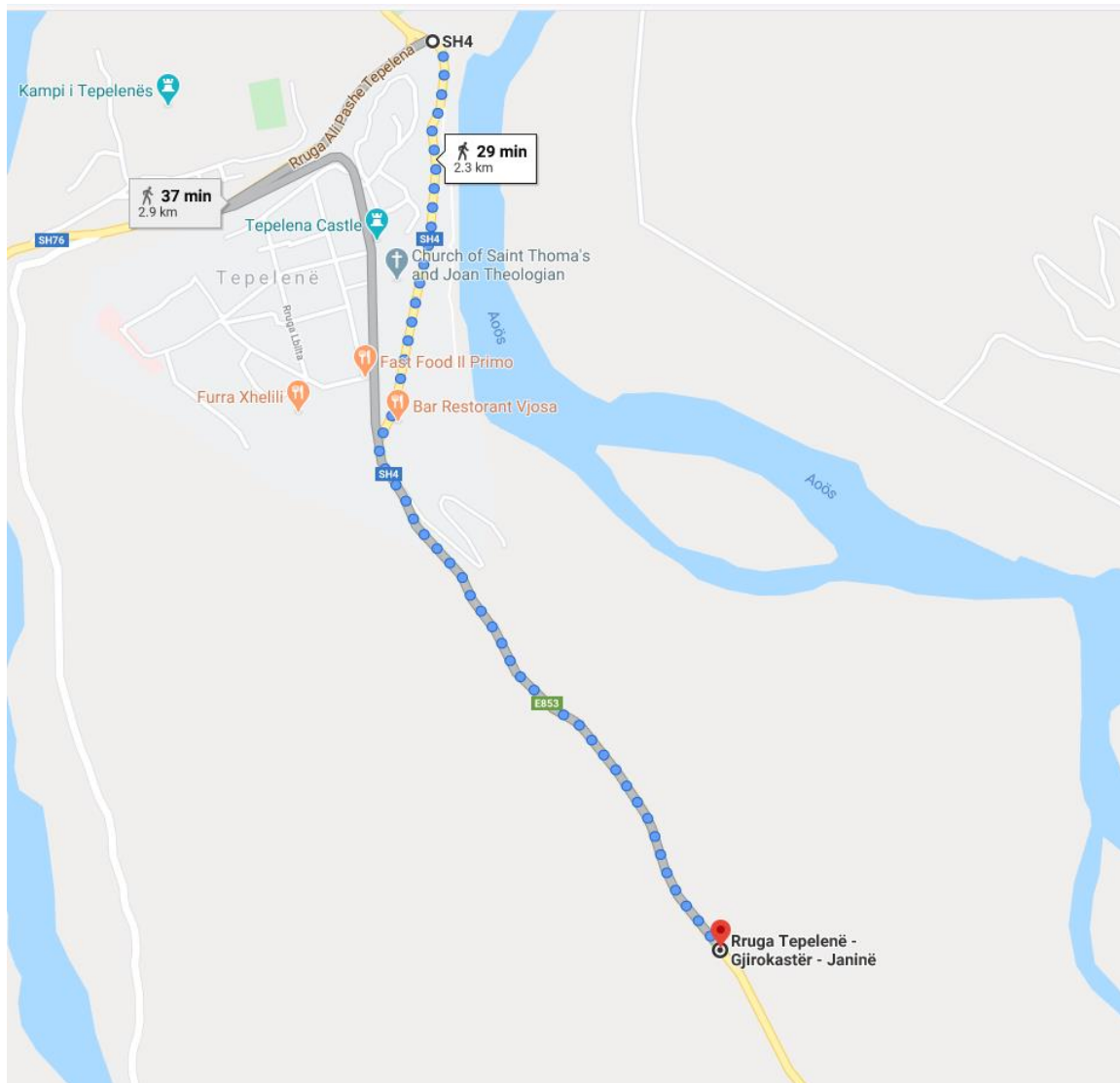


➤ Bypass Tepelenë 2.3 km.

Start coordinates: 40.284157, 20.029131

End coordinates: 40.283349, 20.029894

The Tepelenë Bypass is 2.3 km long and part of national roads inventory. This road axis is under investment and the maintenance contract will include maintenance of various components during the warranty period, such as removal of vegetation, maintenance of ditches and shoulders, as well as road signs maintenance.



➤ Peshkëpi-Gjorm 17 km

The Peshkëpi - Gjorm road axis has been recently invested by the Albanian Development Fund. The road parameters are good, but routine maintenance is needed. It is very important for the entire area of Vlorë River.

