

APPROVED BY
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TECHNICAL REPORT (DESCRIPTIVE PROJECT)

Performance-based maintenance, Road axes: Permet - Çarshove + Çarshove – Three Bridges (Customs) + Çarshove - Leskovik (old road) .L= 49.5 km (Contract 2)

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, winter maintenance

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)
75	1	Permet - Çarshove	SHL	27.2	5.5
80	2	Carshove - Three Bridges (Customs)	SHL	7.6	7
75	3	Carshove - Leskovik.Old road	SHL	14.7	5.5
CONTRACT 2 SUM				49.5	

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.

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.

8. Description of the area where the road is located

1- Carshove - Three Bridges (Customs)

This road axis connects cities of Erseke, Leskovik, Permet and Gjirokaster. The border crossing point of Three Bridges connecting Albania with Greece is part of this axis.

This is a road axis constructed lately with a dual carriageway. Asphalt width is 6 m. The final section, Three Bridges (Customs) - Çarshove, requires paving with asphalt layers in one side of the carriageway.

The asphalt layers' conditions are good, but minor repairs are needed.

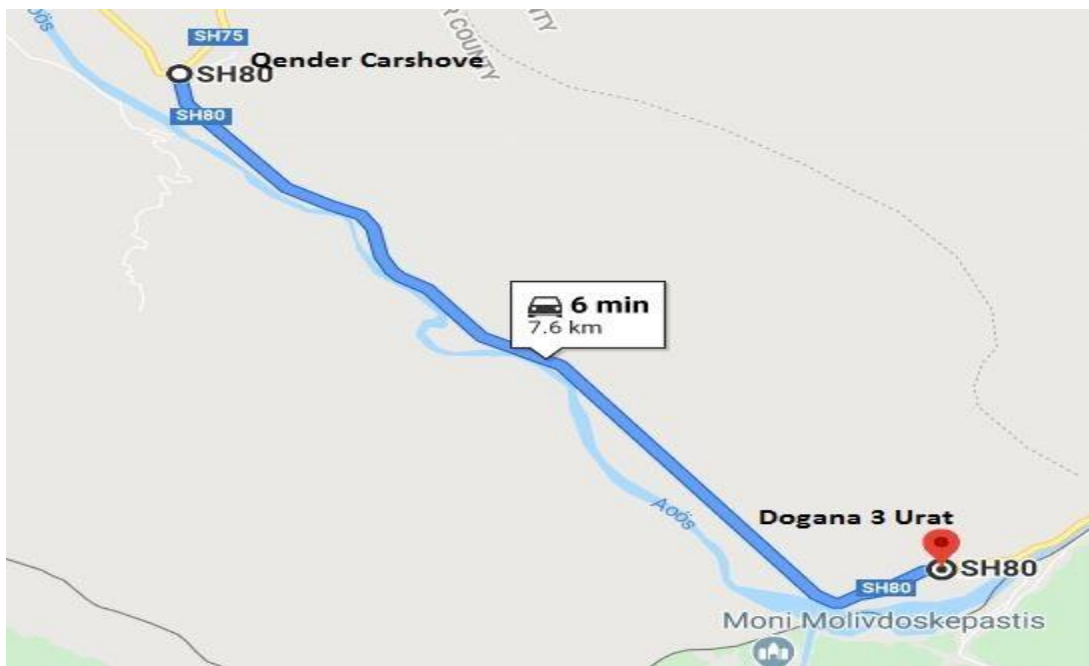
The side ditches and culverts need partial cleaning.

The road signs and safety need upgrade and partial replacements.

2 bridges of Three Bridges-Çarshove segment need to be completed by new metal guardrails.

The road lies in a hilly terrain with one carriageway, without winter maintenance.

The required level of service is “good”.



2- Carshove - Leskovik. Old road

This road axis connects the city of Korca to cities of Erseke, Leskovik, Permet and Gjirokaster. It is an old road that used to be fully operational. Works of asphalt paving date back to 1980. Today, its use is limited as the traffic diverts to the new road.

The road asphalt layers are too amortized, and they need profiling works.

Maintenance works related to paving with gravel layers have been carried out during the last years.

A specific problem is the identification of 2 places with pavement cracks and narrowing of road track for which a special study and project on interventions to correct them is needed.

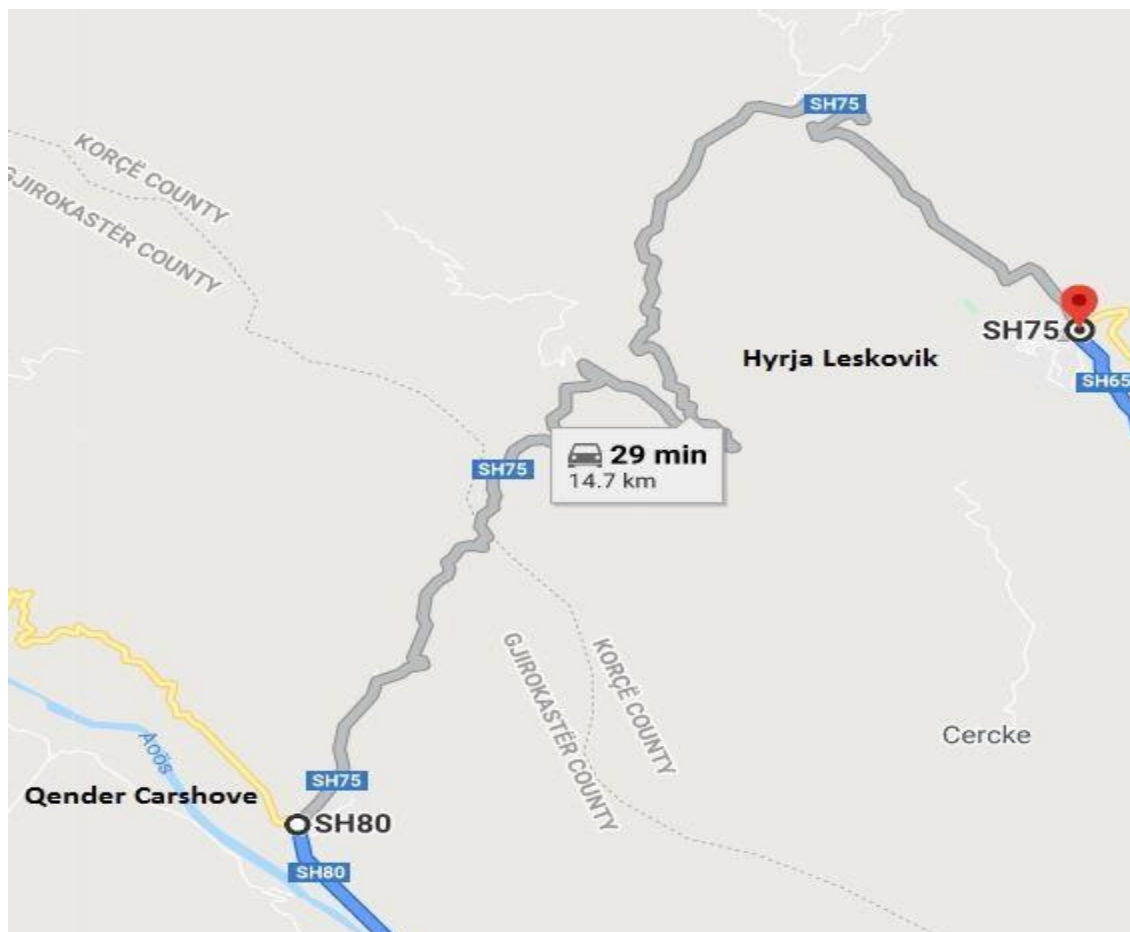
The side ditches and culverts need partial cleaning.

The road signs and safety need upgrade and partial replacements.

The road lies in a hilly terrain with one carriageway, without winter maintenance.

The required level of service is “minimum”.

The segment needs reconstruction (investment) by ARA.



3.-- Permet - Çarshove

This road axis connects the area of Leskovik, Erseke and Korce to that of Permet and Gjirokastrë, and beyond.

It is a dual carriageway segment. Asphalt width is 5m. Asphalt width is 4m -5m

The road asphalt layers are too amortized, and they need profiling works and partial coverage with asphalt concrete layers $t = 4$ cm.

The section from km 20+600 and 24+200 are actually paved with gravel layers, requiring total rehabilitation.

The side ditches and culverts need partial cleaning.

The road signs and safety need upgrade and partial replacements, as well as completion with new guardrails.

The road lies in a hilly terrain with one carriageway, without winter maintenance.

The required level service is “good”.

The segment needs reconstruction (investment) by ARA.

