



ALBANIAN ROAD AUTHORITY
CENTRAL REGION DIRECTORATE - TIRANA

JUNE 2020

SUMMARY OF BILL OF QUANTITIES

Object: Performance-based maintenance, Vorë - Maminas, Kamëz Turn - Vorë (parallel roads), Kamëz – Zall Herr – Bovillë, Road Intersection No. 52 – Prezë Castle, Gjolë Bridge – Bilaj, Bubq – Ishëm, Bërçullë - Domje, Bërçullë - Laknas (69.4km), (Contract 1)

SUMMARY TABLE

No.	CATEGORY OF WORKS	UNIT	AMOUNT
1	ROUTINE MAINTENANCE	ALL	
2	PERIODIC/REHABILITATION WORKS	ALL	
3	EMERGENCY WORKS (3% of routine works)	ALL	
SUM:			-
20% VAT			-
TOTAL SUM:			-

ROUTINE MAINTENANCE

Table A/1: Asphalt roads

Vorë-Maminas (5.7km), Kamëz Turn - Vorë (parallel roads, 12.3+12.3=24.6km), Kamëz – Zall Herr (6.7km), Road Intersection No. 52 – Prezë Castle (3.2km), Gjolë Bridge -Bilaj (3.7km), Bubq-Ishëm (13.3km), Bërxullë-Domje (1.5km), Bërxullë-Laknas (3.6km)

No.	Works description	Length (km)	Period (month)	Price (ALL/km/month)	Value (ALL)
A	ROUTINE MAINTENANCE	a	b	c	(a*b*c)
1	Cleaning of roadside ditches and gutters	62.3	48		
2	Cleaning of existing circular and box culverts	62.3	48		
3	Filling and leveling of shoulders	62.3	48		
4	Removal of vegetation	62.3	48		
5	Cleaning of carriageway from alluvium and other materials	62.3	48		
6	Repair of asphalt potholes	62.3	48		
7	Filling and profiling of subgrades in asphalt roads	62.3	48		
8	Repair and upgrade of horizontal road signs	62.3	48		
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	62.3	48		
10	Routine maintenance of art works	62.3	48		
	SUM A/1 (Routine Maintenance)			SUM A/1	

Table A/2: Non-asphalt roads

Zall Herr – Bovillë (7.1km)

No.	Works description	Length (km)	Period (month)	Price (ALL/km/month)	Value (ALL)
A	ROUTINE MAINTENANCE	a	b	c	(a*b*c)
1	Cleaning of roadside ditches and gutters	7.1	48		
2	Cleaning of existing circular and box culverts	7.1	48		
3	Removal of vegetation	7.1	48		
4	Cleaning of carriageway from alluvium and other materials	7.1	48		
5	Filling and profiling of subgrades in unpaved roads	7.1	48		
6	Routine maintenance of art works	7.1	48		
	SUM A/2 (Routine Maintenance)			SUM A/2	

CONTRACT TOTAL PRICE (Routine Maintenance)	SUM A/1 + A/2	
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PERIODIC/REHABILITATION WORKS

Object: Performance-based maintenance, Vorë - Maminas, Kamëz Turn - Vorë (parallel roads), Kamëz – Zall Herr – Bovillë, Road Intersection No. 52 – Prezë Castle, Gjolë Bridge – Bilaj, Bubq- Ishëm, Bërxullë - Domje, Bërxullë - Laknas (69.4 km), (Contract 1)

No.	No.	WORKS DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
EXCAVATION WORKS						
1	3.89/a	Soil excavation by wheeled excavators 0.25 m3, in ditches with a width up to 2 m, ordinary soil, category III, unloaded in vehicles	m3	246		
2	3.158/3a	Soil transportation by trucks in a distance up to 3.0 km	m3	246		
3	3.161/2	Leveling of escarpments through excavation, excavator 0.25m3	m2	9		
4	An.124/3a	Free section rock excavation by the use small mines and excavator 1m3 + transportation	m3	1		
5	An.164/1a	Filling of road track with gravel and quarry stones, spread and compacted by machines	m3	50		
LAYER WORKS						
6	3.212/c	Stabilizing layer t=15cm	m2	2000		
7	3.212/d	Stabilizing layer t=20cm	m2	150		
8	An	Scarifying of asphalt layers by machines	m2	6516.28		
ASPHALT WORKS						
9	3.222/2	Binder layer with crushed stones and quarry stones, 6cm, by machines	m2	6667		
10	3.226/1	Asphalt concrete layer with crushed stones and quarry stones, 4cm, by machines	m2	6667		
CONCRETE AND REINFORCED CONCRETE WORKS						
11	3.235	Monolithic reinforced concrete structures C 12/15 with 20% stone	m3	150		
12	3.245/1	Thin monolithic concrete structures C 25/30	m3	10		
13	3.246	Monolithic concrete structures with gravel C 20/25	m3	10		
14	3.268	Supply and installation of rectangular reinforced concrete culverts C 16/20	m3	12		
REINFORCED CONCRETE WORKS						
15	3.287	Supply and installation of common rebars Ø 6 ~ 10mm	tons	1		
16	3.288	Supply and installation of common rebars Ø > 12mm	tons	1		
CONSTRUCTION OF ART WORKS						
17	3.323	Stone retaining wall, M50 cement mortar	m3	20		
18	3.332	Gabion walls with galvanized wire mesh, quarry stones 1x1x1.5 m	m3	35		
19	3.352	Filling with quarry stones	m3	20		
20	3.366	Culverts with concrete pipes Ø 800, above the concrete layer	m	10		
21	3.367	Culverts with concrete pipes Ø 1000, above the concrete layer	m	10		
22	An-8	Filling the walls with gravel	m3	100		
DIFFERENT WORKS						
23	3.618	Supply and installation of concrete kerbs 20x35 cm	m	20		
24	3.636	Precast metal bridge parapets	tons	6		
ROAD SIGNS WORKS						
25	An4	H1 W3 single-sided guardrail with 2 wave beams + accessories (road)	ml	810		
26	An35	Single-sided concrete parapet (Ø 60) + accessories (bridge)	ml	40		
27	An106	Common triangular sign board with A = 90	pcs	10		
28	An116	Common side road marking lines with two senses (red + white)	pcs	600		
29	An118	(Single) turn dotted marking lines	pcs	60		
30	An119	(Double) turn dotted marking lines	pcs	60		
31	An120	Mild or sharp (T-shaped) turn marking lines	pcs	20		
32	An122	Road marking lines with bicomponent paint with a width of 12 cm	ml	162000		
33	An152	Road marking lines with bicomponent paint with a width of 15 cm	ml	150		
34	An156	Supply and installation of road indication sign boards 150x40cm	pcs	10		
35	An158	Supply and installation of different road sign boards D=60cm	pcs	240		
					TOTAL	