

EMERGENCYWORKS

TABLE B (Emergency works)

*Road segments: "Q.Laç - Koman, H/Berdice- Velipojë,
U.Bunës (new)-Shirokë, Krye Bushat-B.Jugë, D/Barbullush-Kukël"*
[TOTAL LENGTH 81.1 km]

No.	Work description	Total amount of routine maintenance	Emergency	Amount
		ALL	in %	ALL
1	Emergency works		3%	0
SUM C:				0



ALBANIAN ROAD AUTHORITY
NORTHERN REGION DIRECTORATE - SHKODRA

MAY 2020

SUMMARY OF BILL OF QUANTITIES

OBJECT OF CONTRACT:

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

SUMMARY TABLE

No.	CATEGORY OF WORKS	UNIT	AMOUNT	RATIO IN PERCENTAGE
1	ROUTINE MAINTENANCE	ALL		
2	PERIODIC AND REHABILITATION WORKS	ALL		
3	EMERGENCY WORKS	ALL		
SUM:				
20% VAT				
TOTAL SUM:				

REHABILITATION WORKS

TABLE B (Rehabilitation works)

Road segments: "Q.Laç - Koman, H/Berdice- Velipojë,
U.Bunës (new)-Shirokë, Krye Bushat-B.Jugë, D/Barbullush-Kukël"
[TOTAL LENGTH 81.1 km]

Analysis No	Work description	Unit	Quantity	Price	Amount (ALL)
	EXCAVATION WORKS				
3.119/a	Excavation of rocks crushed by excavator 0.5 m ³ , with foundation width ~2 m, used for road track filling	m3	155		0
3.158/3a	Soil transportation by trucks in a distance up to 3.0 km	m3	25		0
3.161/2	Leveling of escarpments through excavation, excavator 0.25m ³	m2	145		0
An.164/1a	Filling of road track with excavated material, spread and compacted by machines	m3	5		0
	LAYER WORKS				
3.197	Removal of gravel layer t = 10 cm, by machines	m2	3410		0
3.212/b	Stabilizing layer t=10cm	m2	3410		0
3.212/c	Stabilizing layer t=15cm	m2	150		0
3.212/d	Stabilizing layer t=20cm	m2	100		0
An	Scarifying of asphalt layers by machines	m2	7217		0
	ASPHALT WORKS				
3.222/2	Binder layer with crushed stones and quarry stones, 6cm, by machines	m2	9550		0
3.226/1	stones and quarry stones, 4cm, by machines	m2	17927.74		0
	CONCRETE WORKS				
3.244	Monolithic concrete construction C 20/25	m3	275		0
3.268	Supply and installation of rectangular culverts b/a C 16/20	m3	1.8		0
3.235	Monolithic b/concrete construction C 12/15 with 20% stone	m3	5		0
	REINFORCED CONCRETE WORKS				
3.287	Supply and installation of common rebars Ø 6 ~ 10mm	tons	0.2		0

3.288	Supply and installation of common rebars $\varnothing > 12\text{mm}$	tons	0.3		0
	CONSTRUCTION OF ART WORKS				
3.323	Stone retaining wall, M50 cement	m3	250		0
An-8	Filling the walls with gravel	m3	15		0
3.332	Gabion walls with galvanized wire mesh, crushed stone 1x1x1.5 m	m3	25		0
3.366	Culverts with concrete pipes $\varnothing 800$, above the concrete layer	m	12		0
3.367	Culverts with concrete pipes $\varnothing 1000$, above the concrete layer	m	6		0
	DIFFERENT WORKS				
3.618	Supply and installation of concrete	m	20		0
	ROAD SIGNS WORKS				
An48	Common rectangular sign board with A=60	pcs	20		0
An106	Common triangular sign board with A = 90	pcs	60		0
An100	Common circular sign board indicating "prohibition" with D = 60	pcs	30		0
An97	Common octagonal sign board with A-B, 90-30	pcs	8		0
An116	Common side road marking lines with two senses (red + white)	pcs	26		0
An118	(Single) turn dotted marking lines	pcs	15		0
An119	(Double) turn dotted marking lines	pcs	10		0
An120	Mild or sharp (T-shaped) turn marking lines	pcs	8		0
An122	Road marking lines with bicomponent paint with a width of 12 cm	ml	300		0
An152	Road marking lines with bicomponent paint with a width of 15 cm	ml	100		0
An156	Supply and installation of road indication sign boards 150x40cm	pcs	8		0
An158	Supply and installation of different road sign boards D=60cm	pcs	18		0
An35	Single-sided concrete parapet ($\varnothing 60$) + accessories (bridge)	ml	30		0
An4	H1 W3 single-sided guardrail with 2 wave beams + accessories (road)	ml	1100		0
SUM B:					0

ROUTINE MAINTENANCE

TABLE A / 1(Routine maintenance)

Road segments: Q.Laç - Koman **(32.8 km)** [TOTAL 32.8 km]

Item No.	Work description	Length	Period	Price	Amount
		km	month	ALL/km/month	ALL
1	Cleaning of roadside ditches and gutters	32.8	48		
2	Cleaning of existing circular and box culverts	32.8	48		
3	Filling and leveling of shoulders	32.8	48		
4	Removal of vegetation	32.8	48		
5	Cleaning of carriageway from alluvium and other materials	32.8	48		
6	Repair of asphalt potholes	32.8	48		
7	Filling and profiling of subgrades in asphalt roads	32.8	48		
8	Repair and upgrade of horizontal road signs	32.8	48		
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	32.8	48		
10	Routine maintenance of art works	32.8	48		
11	Winter maintenance	32.8	48		
Sum A/1:					

ROUTINE MAINTENANCE

TABLE A / 2(Routine maintenance)

Road segments: Buna Bridge (new)-Shirokë, Krye Bushat-B.Jugë(10.1 km), D/Barbullush-Kukël **(8.3 km)**, Bypass start - Bypass end (old segment) **(3.5km)**, Baks - Velipoje **(8.6)**, [TOTAL 34.3 km]

Item No.	Work description	Length	Period	Price	Amount
		km	month	ALL/km/month	ALL
1	Cleaning of roadside ditches and gutters	34.3	48		0
2	Cleaning of existing circular and box culverts	34.3	48		0
3	Filling and leveling of shoulders	34.3	48		0

4	Removal of vegetation	34.3	48		0
5	Cleaning of carriageway from alluvium and other materials	34.3	48		0
6	Repair of asphalt potholes	34.3	48		0
7	Filling and profiling of subgrades in asphalt roads	34.3	48		0
8	Repair and upgrade of horizontal road signs	34.3	48		0
9	Repair and upgrade of vertical road signs and road safety devices (guardrails barriers) and lighting	34.3	48		0
10	Routine maintenance of art works	34.3	48		0
Sum A/2:					0

ROUTINE MAINTENANCE

TABLE A / 3(Routine maintenance)

Road segments: H/Berdices - Bypass start (**0.5 km**), Bypass start - Baks (**13.5 km**),
[TOTAL 14 km]

Item No.	Work description	Length	Period	Price	Amount
		km	month	ALL/km/month	ALL
1	Cleaning of roadside ditches and gutters	14	42		0
2	Cleaning of existing circular and box culverts	14	42		0
3	Filling and leveling of shoulders	14	42		0
4	Removal of vegetation	14	42		0
5	Cleaning of carriageway from alluvium and other materials	14	42		0
6	Repair of asphalt potholes	14	42		0
7	Filling and profiling of subgrades in asphalt roads	14	42		0
8	Repair and upgrade of horizontal road signs	14	42		0
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	14	42		0
10	Routine maintenance of art works	14	42		0
Sum A/3:					0

SUM A = (A/1+A/2+A/3) :	0
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