

EMERGENCYWORKS

TABLE B (Emergency works)

Road segments: Rreshen (Fani Bridge)- Shpal (**20.6 km**) , Shpal- Q.Bene- K.Hadroj (**33.6 km**) , Shpal-Repsi Bridge road (**4.5 km**)" , **[TOTAL 58.7 km]**

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

THE WORKING GROUP

Eng. Luigj Palushi

Eng. Pjeter Pjetri

Eng Xhevid Ramallari



ALBANIAN ROAD AUTHORITY
NORTHERN REGION DIRECTORATE - SHKODRA

MAY 2020

SUMMARY OF BILL OF QUANTITIES

OBJECT OF CONTRACT:

Performance-based routine maintenance, "Rreshen (Fani Bridge)- Shpal, Shpal- Q.Bene- K.Hadroj, Shpal-Repsi Bridge" road [TOTAL LENGTH 58.7 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: Rreshen (Fani Bridge)- Shpal (**20.6 km**) , Shpal- Q.Bene- K.Hadroj (**33.6 km**) , Shpal-Repsi Bridge road (**4.5 km**)" , **[TOTAL 58.7 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	2528		0
3.158/3a	Soil transportation by trucks in a distance up to 3.0 km	m3	45		0
3.161/2	Leveling of escarpments through excavation, excavator 0.25m ³	m2	250		0
An.164/1a	Filling of road track with excavated material, spread and compacted by machines	m3	10		0
	LAYER WORKS				
3.197	Removal of gravel layer t = 10 cm, by machines	m2	48		0
3.212/b	Stabilizing layer t=10cm	m2	12640		0
3.212/c	Stabilizing layer t=15cm	m2	5		0
3.212/d	Stabilizing layer t=20cm	m2	5		0
An	Scarifying of asphalt layers by machines	m2	12360		0
	ASPHALT WORKS				
3.222/2	Binder layer with crushed stones and quarry stones, 6cm, by machines	m2	12640		0
3.226/1	stones and quarry stones, 4cm, by machines	m2	24067.44		0
	CONCRETE WORKS				
3.244	Monolithic concrete construction C 20/25	m3	30		0
3.268	Supply and installation of rectangular culverts b/c C 16/20	m3	2		0
3.235	Monolithic b/concrete construction C 12/15 with 20% stone	m3	8		0
	REINFORCED CONCRETE WORKS				
3.287	Supply and installation of common rebars Ø 6 ~ 10mm	tons	0.45		0
3.288	Supply and installation of common rebars Ø > 12mm	tons	0.50		0
	CONSTRUCTION OF ART WORKS				
3.323	Stone retaining wall, M50 cement	m3	40		0
An-8	Filling the walls with gravel	m3	20		0

3.332	Gabion walls with galvanized wire mesh, crushed stone 1x1x1.5 m	m3	26		0
3.366	Culverts with concrete pipes Ø 800, above the concrete layer	m	6		0
3.367	Culverts with concrete pipes Ø 1000, above the concrete layer	m	6		0
	DIFFERENT WORKS				
3.618	Supply and installation of concrete	m	30		0
	ROAD SIGNS WORKS				
An48	Common rectangular sign board with A=4	pcs	24		0
An106	Common triangular sign board with A = 9	pcs	35		0
An100	Common circular sign board indicating "prohibition" with D = 60	pcs	25		0
An97	Common octagonal sign board with A-B, 90-30	pcs	20		0
An116	Common side road marking lines with two senses (red + white)	pcs	10		0
An118	(Single) turn dotted marking lines	pcs	10		0
An119	(Double) turn dotted marking lines	pcs	10		0
An120	Mild or sharp (T-shaped) turn marking lines	pcs	10		0
An122	Road marking lines with bicomponent paint with a width of 12 cm	ml	30		0
An152	Road marking lines with bicomponent paint with a width of 15 cm	ml	30		0
An156	Supply and installation of road indication sign boards 150x40cm	pcs	6		0
An158	Supply and installation of different road sign boards D=60cm	pcs	26		0
An35	Single-sided concrete parapet (Ø 60) + accessories (bridge)	ml	18		0
An4	H1 W3 single-sided guardrail with 2 wave beams + accessories (road)	ml	1388		0
SUM B:					0

ROUTINE MAINTENANCE

TABLE A (Routine maintenance)

Road segments: Rreshen (Fani Bridge)- Shpal (**20.6 km**) , Shpal- Q.Bene- K.Hadroj (**33.6 km**) , Shpal-Repsi Bridge road (**4.5 km**)" , **[TOTAL 58.7 km]**

Item No.	Work description	Length	Period	Price	Amount
		km	month	ALL/km/month	ALL
1	Cleaning of roadside ditches and gutters	58.7	48		0
2	Cleaning of existing circular and box culverts	58.7	48		0
3	Filling and leveling of shoulders	58.7	48		0
4	Removal of vegetation	58.7	48		0
5	Cleaning of carriageway from alluvium and other materials	58.7	48		0
6	Repair of asphalt potholes	58.7	48		0
7	Filling and profiling of subgrades in asphalt roads	58.7	48		0
8	Repair and upgrade of horizontal road signs	58.7	48		0
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	58.7	48		0
10	Routine maintenance of art works	58.7	48		0
11	Winter maintenance	58.7	48		0
Sum A:					0