

EMERGENCYWORKS

TABLE B (Emergency works)

Road segments: B.Curri - Valbonë **(27.9 km)**, Bujan Bridge - Morina Pass (customs) **(17.3 km)**, Sopot-Kernajë **(6.5 km)**, Mejdan Pass -Tropoje-Bucaj **(7.6 km)"** **[TOTAL 59.3 km]**

No.	Work description	Total amount of routine maintenance	Emergency	Amount
		ALL	in %	ALL
1	Emergency works	0	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, "B.Curri - Valbonë, Bujan Bridge - Morina Pass (customs), Sopot-Kernajë, Mejdan Pass -Tropoje-Bucaj" road [TOTAL LENGTH 59.3 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: B.Curri - Valbonë (27.9 km), Bujan Bridge - Morina Pass (customs) (17.3 km), Sopot-Kernajë (6.5 km), Mejdan Pass -Tropoje-Bucaj (7.6 km)" [TOTAL 59.3 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	230		0
3.158/3a	Soil transportation by trucks in a distance up to 3.0 km	m3	18		0
3.161/2	Leveling of escarpments through excavation, excavator 0.25m ³	m2	50		0
An.164/1a	Filling of road track with excavated material, spread and compacted by machines	m3	6		0
	LAYER WORKS				
3.197	Removal of gravel layer t = 10 cm, by machines	m2	2000		0
3.212/b	Stabilizing layer t=10cm	m2	10800		0
3.212/c	Stabilizing layer t=15cm	m2	200		0
3.212/d	Stabilizing layer t=20cm	m2	200		0
An	Scarifying of asphalt layers by machines	m2	15945.97		0
	ASPHALT WORKS				
3.222/2	Binder layer with crushed stones and quarry stones, 6cm, by machines	m2	5200		0
3.226/1	stones and quarry stones, 4cm, by machines	m2	15945.97		0
	CONCRETE WORKS				
3.244	Monolithic concrete construction C 20/25	m3	220		0
3.268	Supply and installation of rectangular culverts b/a C 16/20	m3	2		0
3.235	Monolithic b/concrete construction C 12/15 with 20% stone	m3	16		0
	REINFORCED CONCRETE WORKS				
3.287	Supply and installation of common rebars Ø 6 ~ 10mm	tons	0.25		0

3.288	Supply and installation of common rebars $\varnothing > 12\text{mm}$	tons	0.25		0
	CONSTRUCTION OF ART WORKS				
3.323	Stone retaining wall, M50 cement	m3	210		0
An-8	Filling the walls with gravel	m3	90		0
3.332	Gabion walls with galvanized wire mesh, crushed stone 1x1x1.5 m	m3	18		0
3.366	Culverts with concrete pipes $\varnothing 800$, above the concrete layer	m	6		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	18		0
An106	Common triangular sign board with A = 90	pcs	38		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	12		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	60		0
An152	Road marking lines with bicomponent paint with a width of 15 cm	ml	60		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	10		0
An35	Single-sided concrete parapet ($\varnothing 60$) + accessories (bridge)	ml	16		0
An4	H1 W3 single-sided guardrail with 2 wave beams + accessories (road)	ml	450		0
SUM B:					0

ROUTINE MAINTENANCE

TABLE A (Routine maintenance)

Road segments: B.Curri - Valbonë **(27.9 km)**, Bujan Bridge - Morina Pass (customs) **(17.3 km)**, Sopot-Kernajë **(6.5 km)**, Mejdan Pass -Tropoje-Bucaj **(7.6 km)" [TOTAL 59.3 km]**

Item No.	Work description	Length	Period	Price	Amount
		km	month	ALL/km/month	ALL
1	Cleaning of roadside ditches and gutters	59.3	48		0
2	Cleaning of existing circular and box culverts	59.3	48		0
3	Filling and leveling of shoulders	59.3	48		0
4	Removal of vegetation	59.3	48		0
5	Cleaning of carriageway from alluvium and other materials	59.3	48		0
6	Repair of asphalt potholes	59.3	48		0
7	Filling and profiling of subgrades in asphalt roads	59.3	48		0
8	Repair and upgrade of horizontal road signs	59.3	48		0
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	59.3	48		0
10	Routine maintenance of art works	59.3	48		0
11	Winter maintenance	59.3	48		0
Sum A:					0