

EMERGENCYWORKS

TABLE B (Emergency works)

Road segments: "Lezhë- Mati Bridge (Train Pass) **(13.3 km)**, Lezhë-H.Gjuetisë **(4.2 km)**,
D/Hoteli Gjuetise- D/Vain **(0.95 km)**, D/Vain - Bilanc **(2.8 km)**, D/Balldre-B Juge **(19.3 km)** ,
K.Balldre- Aviation gateway **(5.9 km)**, **[TOTAL 46.45 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, "Lezhë- Mati Bridge(Train Bridge), Lezhë-H.Gjuetisë, D/Hoteli Gjuetise- D/Vain, D/Vain - Bilanc, D/Balldre-B Juge,K.Balldre- Porta e Aviacionit road
[TOTAL LENGTH 46.45 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:				

REHABILITATIONWORKS

TABLE B (Rehabilitation works)

Road segments: "Lezhë- Mati Bridge (Train Pass) (**13.3 km**), Lezhë-H.Gjuetisë (**4.2 km**), D/Hoteli Gjuetisë- D/Vain (**0.95 km**), D/Vain - Bilanc (**2.8 km**), D/Balldre-B Juge (**19.3 km**) , K.Balldre- Aviation gateway (**5.9 km**), **[TOTAL 46.45 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	105		0
3.158/3a	Soil transportation by trucks in a distance up to 3.0 km	m3	5		0
3.161/2	Leveling of escarpments through excavation, excavator 0.25m ³	m2	25		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	20		0
3.212/b	Stabilizing layer t=10cm	m2	448		0
3.212/c	Stabilizing layer t=15cm	m2	50		0
3.212/d	Stabilizing layer t=20cm	m2	50		0
An	Scarifying of asphalt layers by machines	m2	10523.10		0
	ASPHALT WORKS				
3.222/2	Binder layer with crushed stones and quarry stones, 6cm, by machines	m2	3500		0
3.226/1	stones and quarry stones, 4cm, by machines	m2	10523.10		0
	CONCRETE WORKS				
3.244	Monolithic concrete construction C 20/25	m3	34.2		0
3.268	Supply and installation of rectangular culverts b/c C 15/20	m3	1.5		0
3.235	Monolithic b/concrete construction C 12/15 with 20% stone	m3	3		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 Ø > 12mm	tons	0.25		0
	CONSTRUCTION OF ART WORKS				
3.323	Stone retaining wall, M50 cement	m3	6		0
An-8	Filling the walls with gravel	m3	10		0

3.332	Gabion walls with galvanized wire mesh, crushed stone 1x1x1.5 m	m3	5		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	20		0
	ROAD SIGNS WORKS				
An48	Common rectangular sign board with A=	pcs	8		0
An106	Common triangular sign board with A = 9	pcs	12		0
An100	Common circular sign board indicating "prohibition" with D = 60	pcs	10		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	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	100		0
An152	Road marking lines with bicomponent paint with a width of 15 cm	ml	50		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	16		0
An35	Single-sided concrete parapet (Ø 60) + accessories (bridge)	ml	20		0
An4	H1 W3 single-sided guardrail with 2 wave beams + accessories (road)	ml	900		0
SUM B:					0

ROUTINE MAINTENANCE

TABLE A /1 (Routine maintenance)

Road segments: Lezhë- Mati Bridge(Train Bridge)(**13.3 km**), Lezhë-H.Gjuetisë (**4.2 km**),
D/Hoteli Gjuetisë- D/Vain (**0.95 km**) , K/Balldre- Porta e Aviacionit (**5.9 km**),
Balldre- Commencement of investment (**2.6 km**) , **[TOTALI 26.95 km]**

Item No.	Work description	Length	Period	Price	Amount
		km	month	ALL/km/month	ALL
1	Cleaning of roadside ditches and gutters	26.95	48		0
2	Cleaning of existing circular and box culverts	26.95	48		0
3	Filling and leveling of shoulders	26.95	48		0
4	Removal of vegetation	26.95	48		0
5	Cleaning of carriageway from alluvium and other materials	26.95	48		0
6	Repair of asphalt potholes	26.95	48		0
7	Filling and profiling of subgrades in asphalt roads	26.95	48		0
8	Repair and upgrade of horizontal road signs	26.95	48		0
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	26.95	48		0
10	Routine maintenance of art works	26.95	48		0
Sum A/1:					0

ROUTINE MAINTENANCE

TABLE A /2 (Routine maintenance)

Road segments: D/ Balldre (Commencement of investment) - B.Juge (**16.7 km**) , **[TOTAL 16.7 km]**

Item No.	Work description	Length	Period	Price	Amount
		km	month	ALL/km/month	ALL
1	Cleaning of roadside ditches and gutters	16.7	34.5		0
2	Cleaning of existing circular and box culverts	16.7	34.5		0
3	Filling and leveling of shoulders	16.7	34.5		0
4	Removal of vegetation	16.7	34.5		0

5	Cleaning of carriageway from alluvium and other materials	16.7	34.5		0
6	Repair of asphalt potholes	16.7	34.5		0
7	Filling and profiling of subgrades in asphalt roads	16.7	34.5		0
8	Repair and upgrade of horizontal road signs	16.7	34.5		0
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	16.7	34.5		0
10	Routine maintenance of art works	16.7	34.5		0
Sum A/2:					0

ROUTINE MAINTENANCE

TABLE A /3 (Routine maintenance)

Road segments: D/Vain - Bilanc **(2.8 km) [TOTAL 2.8 km]**

Item No.	Work description	Length	Period	Price	Amount
		km	month	ALL/km/month	ALL
1	Cleaning of roadside ditches and gutters	2.8	48		0
2	Cleaning of existing circular and box culverts	2.8	48		0
3	Removal of vegetation	2.8	48		0
4	Cleaning of carriageway from alluvium and other materials	2.8	48		0
5	Filling and profiling of subgrades in unpaved roads.	2.8	48		0
6	Routine maintenance of art works	2.8	48		0
Sum A/3:					0

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