EMERCENCYWORKS

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



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 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]

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 20/2.	m3	34.2		0
3.268	Supply and installation of rectangular	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 $\emptyset > 12$ mm	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

crushed stone 1x1x1.5 m 3.366 Culverts with concrete pipes Ø 800, above the concrete layer Culverts with concrete pipes Ø 1000, above the concrete layer 3.367 Culverts with concrete pipes Ø 1000, above the concrete layer 3.618 Supply and installation of concrete ROAD SIGNS WORKS An48 Common rectangular sign board with A= pcs 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.332	Gabion walls with galvanized wire mesh,	m3	5		0
3.36b above the concrete layer 3.367 Culverts with concrete pipes Ø 1000, above the concrete layer DIFFERENT WORKS 3.618 Supply and installation of concrete m 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5.552		1115	5		U
above the concrete layer Culverts with concrete pipes Ø 1000, above the concrete layer DIFFERENT WORKS 3.618 Supply and installation of concrete ROAD SIGNS WORKS An48 Common rectangular sign board with A= pcs 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 366	Culverts with concrete pipes Ø 800,	m	6		0
DIFFERENT WORKS 3.618 Supply and installation of concrete ROAD SIGNS WORKS An48 Common rectangular sign board with A= pcs 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.300			ŭ		
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= pcs 12 0 Common circular sign board indicating pcs 10 0 An100 "prohibition" with D = 60 pcs 8 0 An106 Common octagonal sign board with A- pcs 8 0 An97 Common octagonal sign board with A- 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 An121 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 supply and installation of road indication sign boards 150x40cm pcs 8 0 An158 Supply and installation of different road sign boards D=60cm pcs Single-sided concrete parapet (Ø 60) + accessories (bridge) pcs	3.367		m	6		0
3.618 Supply and installation of concrete ROAD SIGNS WORKS An48 Common rectangular sign board with A= pcs 8 0 An106 Common trical pular sign board with A= pcs 12 0 An100 Common circular sign board with A= pcs 12 0 An100 Common circular sign board with A= pcs 10 0 An100 Common circular sign board with A= pcs 10 0 An97 Common octagonal sign board with A- 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 An119 (Double) turn dotted marking lines pcs 10 0 An120 Mild or sharp (T-shaped) turn marking lines pcs 10 0 An121 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 10 0 An156 Supply and installation of road indication sign boards 150x40cm pcs 16 0 An158 Supply and installation of different road sign boards D=60cm pcs 16 0 An35 Single-sided concrete parapet (ø 60) + ml 20 0 An44 H1 W3 single-sided guardrail with 2 ml 900 0		·				
An48 Common rectangular sign board with A= pcs 8 0 An106 Common triangular sign board with A= 9 pcs 12 0 An100 Common triangular 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 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 supply and installation of road indication sign boards 150x40cm pcs 16 0 An158 Supply and installation of different road sign boards D=60cm pcs 16 0 An35 Single-sided concrete parapet (\$\phi\$ 60) + ml 20 0 An44 H1 W3 single-sided guardrail with 2 ml 900 0						
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 An120 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 16 0 An158 Single-sided concrete parapet (ø 60) + accessories (bridge) nl 200 0 An44 H1 W3 single-sided guardrail with 2 ml 900 0	3.618	• • •	m	20		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 An121 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 pcs 8 0 An156 Supply and installation of road indication sign boards 150x40cm pcs 16 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 900 0						
An100 Common circular sign board indicating "prohibition" with D = 60 Description Description			pcs			
An100 "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 An121 Road marking lines with bicomponent paint with a width of 12 cm pcs 10 0 An152 Road marking lines with bicomponent paint with a width of 15 cm pcs 8 0 An156 Supply and installation of road indication sign boards 150x40cm pcs 16 0 An158 Supply and installation of different road sign boards D=60cm pcs 16 0 An35 Single-sided concrete parapet (Ø 60) + accessories (bridge) pcs pcs 10 0 An44 H1 W3 single-sided guardrail with 2 pcs	An106		pcs	12		0
An116 Common side road marking lines with two senses (red + white) An118 (Single) turn dotted marking lines An119 (Double) turn dotted marking lines An120 Mild or sharp (T-shaped) turn marking lines An121 Road marking lines with bicomponent paint with a width of 12 cm An122 Road marking lines with bicomponent paint with a width of 15 cm An123 Supply and installation of road indication sign boards 150x40cm An126 Supply and installation of different road sign boards D=60cm An127 Single-sided concrete parapet (Ø 60) + accessories (bridge) An14 H1 W3 single-sided guardrail with 2 ml 900	An100	_	pcs	10		0
An116 two senses (red + white) An118 (Single) turn dotted marking lines An119 (Double) turn dotted marking lines An120 Mild or sharp (T-shaped) turn marking lines An120 Road marking lines with bicomponent paint with a width of 12 cm An122 Road marking lines with bicomponent paint with a width of 15 cm An152 Road marking lines with bicomponent paint with a width of 15 cm An154 Supply and installation of road indication sign boards 150x40cm An155 Supply and installation of different road sign boards D=60cm An156 Single-sided concrete parapet (ø 60) + accessories (bridge) An157 An158 Single-sided guardrail with 2 An158 Mild or sharp (T-shaped) turn marking pcs In 100 O In 100 O	An97		pcs	8		0
An119 (Double) turn dotted marking lines pcs 10 0 An120 Mild or sharp (T-shaped) turn marking lines pcs 10 0 An121 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 An158 Single-sided concrete parapet (Ø 60) + accessories (bridge) ml 20 0	An116	_	pcs	10		0
An120 Mild or sharp (T-shaped) turn marking lines Road marking lines with bicomponent paint with a width of 12 cm An152 Road marking lines with bicomponent paint with a width of 15 cm An156 Supply and installation of road indication sign boards 150x40cm An158 Supply and installation of different road sign boards D=60cm An35 Single-sided concrete parapet (ø 60) + accessories (bridge) An4 H1 W3 single-sided guardrail with 2 MI 900 O O O O O O O O O O O O	An118	(Single) turn dotted marking lines	pcs	10		0
An120 lines Road marking lines with bicomponent paint with a width of 12 cm An152 Road marking lines with bicomponent paint with a width of 15 cm An156 Supply and installation of road indication sign boards 150x40cm An158 Supply and installation of different road sign boards D=60cm An35 Single-sided concrete parapet (Ø 60) + accessories (bridge) An4 H1 W3 single-sided guardrail with 2	An119	(Double) turn dotted marking lines	pcs	10		0
An152 paint with a width of 12 cm An152 Road marking lines with bicomponent paint with a width of 15 cm An156 Supply and installation of road indication sign boards 150x40cm An158 Supply and installation of different road sign boards D=60cm An35 Single-sided concrete parapet (Ø 60) + accessories (bridge) An4 H1 W3 single-sided guardrail with 2 ml 900	An120		pcs	10		0
An152 paint with a width of 15 cm An156 Supply and installation of road indication sign boards 150x40cm An158 Supply and installation of different road sign boards D=60cm An35 Single-sided concrete parapet (ø 60) + accessories (bridge) An4 H1 W3 single-sided guardrail with 2	An122		ml	100		0
An156 indication sign boards 150x40cm An158 Supply and installation of different road sign boards D=60cm An35 Single-sided concrete parapet (ø 60) + accessories (bridge) An4 H1 W3 single-sided guardrail with 2	An152		ml	50		0
An158 sign boards D=60cm pcs 16 0 An35 Single-sided concrete parapet (Ø 60) + ml 20 0 An4 H1 W3 single-sided guardrail with 2 ml 900 0	An156		pcs	8		0
And H1 W3 single-sided guardrail with 2	An158		pcs	16		0
$\Delta n\Delta I$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$ $=$	An35		ml	20		0
	An4		ml	900		0
SUM B: 0					SUM R:	0

ROUTINEMAINTENANCE

TABLE A /1 (Routine maintenance)

Road segments: Lezhë- Mati Bridge(Train Bridge)(13.3 km), Lezhë-H.Gjuetisë (4.2 km),

D/Hoteli Gjuetise- 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
	Cleaning of existing circular and box				
2	culverts	26.95	48		0
3	Filling and leveling of shoulders	26.95	48		0
4	Removal of vegetation	26.95	48		0
	Cleaning of carriageway from alluvium				
5	and other materials	26.95	48		0
6	Repair of asphalt potholes	26.95	48		0
	Filling and profiling of subgrades in				
7	asphalt roads	26.95	48		0
	Repair and upgrade of horizontal road				
8	signs	26.95	48		0
	Repair and upgrade of vertical road				
	signs and road safety (guardrails) and				
9	lighting devices	26.95	48		0
10	Routine maintenance of art works	26.95	48		0
Sum A/1:					0

ROUTINEMAINTENANCE

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
	Cleaning of existing circular and box				
2	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

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

ROUTINEMAINTENANCE

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
	Cleaning of existing circular and box				
2	culverts	2.8	48		0
3	Removal of vegetation	2.8	48		0
	Cleaning of carriageway from alluvium				
4	and other materials	2.8	48		0
	Filling and profiling of subgrades in				
5	unpaved roads.	2.8	48		0
6	Routine maintenance of art works	2.8	48		0
				Sum A/3:	0

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