

### **LIMIT FUND BILL OF QUANTITIES**

**OBJECT: "PERFORMANCE-BASED ROUTINE MAINTENANCE, K/CERME - HYRJE DIVJAKE ROAD + DALJE DIVJAKE - PLAZH DIVJAKE ROAD + JETA E RE - KOSOVE ROAD + BYPASS FIER - KOLONJE ROUNDABOUT ROAD + FIER - SEMAN PLAZH ROAD + K/POJAN APOLLONI ROAD + BYPASS FIER ROAD 75,1 KM"**

**PERIOD: 48 months**

**DRAFTING PERIOD: MAY 2020**

#### **SUMMARY OF BILL OF QUANTITIES**

Road No.	Index	Road name	Length (km)	Period (month)	Price (ALL/km/month)	Amount (ALL)
			a	b	c	(a*b*c)
<b>ROUTINE MAINTENANCE</b>						
SH-57	1/1	K/Cerme - Hyrje Divjake	13.3	48		
SH-57	1/2	Dalje Divjake - Plazh Divjake	5.9	48		
SH-68	1/3	Jeta e Re - Kosove	4.8	48		
N/A	1/4	Bypass Fier - Kolonje Roundabout	8.5	48		
SH-94	1/5	Fier - Seman (Beach)	17	48		
SH66	1/6	K/Pojan - Apolloni	3.6	48		
SH-4	1/7	Bypass Fier (within warranty period)	22	12		
	<b>1</b>	<b>ROUTINE MAINTENANCE SUM</b>	75.1			
	<b>2</b>	<b>EMERGENCY WORKS</b>	<b>(3% of routine works)</b>			
	<b>3</b>	<b>PERIODIC WORKS</b>	<b>(carried from periodic works bill of quantities)</b>			
		<b>SUM 1+2+3</b>				
		<b>20% VAT</b>				
		<b>TOTAL</b>				

Note: With regards to routine maintenance bid price the economic operators should refer to technical specifications, analyses of work processes for this item, as well as technical description of each road segment.

### **ROUTINE MAINTENANCE BILL OF QUANTITIES**

**OBJECT: "PERFORMANCE-BASED ROUTINE MAINTENANCE, K/CERME - HYRJE DIVJAKE ROAD + DALJE DIVJAKE - PLAZH DIVJAKE ROAD + JETA E RE - KOSOVE ROAD + BYPASS FIER - KOLONJE ROUNDABOUT ROAD + FIER - SEMAN PLAZH ROAD + K/POJAN APOLLONI ROAD + BYPASS FIER ROAD 75,1 KM"**

**PERIOD: 48 months**

**DRAFTING PERIOD: MAY 2020**

**TABLE 1/1 (ROUTINE MAINTENANCE, K/CERME - HYRJE DIVJAKE ROAD AXIS 13.3 KM)**

Item No.	Description	Unit	Price (ALL/km/month)
	<b>ROUTINE MAINTENANCE</b>		<b>asphalt road</b>
1	Cleaning of roadside ditches and gutters	month	
2	Cleaning of existing circular and box culverts	month	
3	Filling and leveling of shoulders	month	
4	Removal of vegetation	month	
5	Cleaning of carriageway from alluvium and other materials	month	
6	Repair of asphalt potholes	month	
7	Filling and profiling of subgrades in asphalt roads	month	
8	Repair and upgrade of horizontal road signs	month	
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	month	
10	Routine maintenance of art works	month	
	<b>TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month)</b>	<b>SUM A</b>	

**TABLE 1/2 (ROUTINE MAINTENANCE, DALJE DIVJAKE - PLAZH DIVJAKE ROAD AXIS 5.9 KM)**

Item No.	Description	Unit	Price (ALL/km/month)
	<b>ROUTINE MAINTENANCE</b>		<b>asphalt road</b>
1	Cleaning of roadside ditches and gutters	month	
2	Cleaning of existing circular and box culverts	month	
3	Filling and leveling of shoulders	month	
4	Removal of vegetation	month	
5	Cleaning of carriageway from alluvium and other materials	month	
6	Repair of asphalt potholes	month	
7	Filling and profiling of subgrades in asphalt roads	month	
8	Repair and upgrade of horizontal road signs	month	
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	month	
10	Routine maintenance of art works	month	
	<b>TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month)</b>	<b>SUM A</b>	

**TABLE 1/3 (ROUTINE MAINTENANCE, JETA E RE - KOSOVE ROAD AXIS 4.8 KM)**

Item No.	Description	Unit	Price (ALL/km/month)
	<b>ROUTINE MAINTENANCE</b>		<b>asphalt road</b>
1	Cleaning of roadside ditches and gutters	month	
2	Cleaning of existing circular and box culverts	month	
3	Filling and leveling of shoulders	month	
4	Removal of vegetation	month	
5	Cleaning of carriageway from alluvium and other materials	month	
6	Repair of asphalt potholes	month	
7	Filling and profiling of subgrades in asphalt roads	month	
8	Repair and upgrade of horizontal road signs	month	
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	month	
10	Routine maintenance of art works	month	
	<b>TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month)</b>	<b>SUM A</b>	

**TABLE 1/4 (ROUTINE MAINTENANCE, BYPASS FIER - KOLONJE ROUNDABOUT ROAD AXIS 8.5 KM)**

Item No.	Description	Unit	Price (ALL/km/month)
	<b>ROUTINE MAINTENANCE</b>		<b>asphalt road</b>
1	Cleaning of roadside ditches and gutters	month	
2	Cleaning of existing circular and box culverts	month	
3	Filling and leveling of shoulders	month	
4	Removal of vegetation	month	
5	Cleaning of carriageway from alluvium and other materials	month	
6	Repair of asphalt potholes	month	
7	Filling and profiling of subgrades in asphalt roads	month	
8	Repair and upgrade of horizontal road signs	month	
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	month	
10	Routine maintenance of art works	month	
	<b>TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month)</b>	<b>SUM A</b>	

**TABLE 1/5 (ROUTINE MAINTENANCE, FIER - SEMAN (BEACH) ROAD AXIS 17 KM)**

Item No.	Description	Unit	Price (ALL/km/month)
	<b>ROUTINE MAINTENANCE</b>		<b>asphalt road</b>
1	Cleaning of roadside ditches and gutters	month	
2	Cleaning of existing circular and box culverts	month	
3	Filling and leveling of shoulders	month	
4	Removal of vegetation	month	
5	Cleaning of carriageway from alluvium and other materials	month	
6	Repair of asphalt potholes	month	
7	Filling and profiling of subgrades in asphalt roads	month	
8	Repair and upgrade of horizontal road signs	month	
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	month	
10	Routine maintenance of art works	month	
	<b>TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month)</b>	<b>SUM A</b>	

**TABLE 1/6 (ROUTINE MAINTENANCE, K/POJAN - APOLLONI ROAD AXIS 3.6 KM)**

Item No.	Description	Unit	Price (ALL/km/month)
	<b>ROUTINE MAINTENANCE</b>		<b>asphalt road</b>
1	Cleaning of roadside ditches and gutters	month	
2	Cleaning of existing circular and box culverts	month	
3	Filling and leveling of shoulders	month	
4	Removal of vegetation	month	
5	Cleaning of carriageway from alluvium and other materials	month	
6	Repair of asphalt potholes	month	
7	Filling and profiling of subgrades in asphalt roads	month	
8	Repair and upgrade of horizontal road signs	month	
9	Repair and upgrade of vertical road signs and road safety (guardrails) and lighting devices	month	
10	Routine maintenance of art works	month	
	<b>TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month)</b>	<b>SUM A</b>	

**TABLE 1/7 (ROUTINE MAINTENANCE, BYPASS FIER ROAD AXIS 22 KM)**

Item No.	Description	Unit	Price (ALL/km/month)
<b>ROUTINE MAINTENANCE</b>			<b>asphalt road within warranty period</b>
1	Cleaning of roadside ditches and gutters	month	
2	Cleaning of existing circular and box culverts	month	
3	Removal of vegetation	month	
4	Cleaning of carriageway from alluvium and other materials	month	
<b>TOTAL PRICE OF ROUTINE MAINTENANCE (ALL/km/month)</b>		<b>SUM A</b>	

**BILL OF QUANTITIES FOR PERIODIC/REHABILITATION WORKS**

**OBJECT: "PERFORMANCE-BASED ROUTINE MAINTENANCE, K/CERME - HYRJE DIVJAKE ROAD + DALJE DIVJAKE - PLAZH DIVJAKE ROAD + JETA E RE - KOSOVE ROAD + BYPASS FIER - KOLONJE ROUNDABOUT ROAD + FIER - SEMAN PLAZH ROAD + K/POJAN APOLLONI ROAD + BYPASS FIER ROAD 75,1 KM"**

**PERIOD: 48 months**

**DRAFTING PERIOD: MAY 2020**

**TABLE 3 (BILL OF QUANTITIES FOR PERIODIC/REHABILITATION WORKS 53.1 KM)**

No.	No.	WORKS DESCRIPTION	UNIT	QUANTITY	PRICE	AMOUNT
<b>EXCAVATION WORKS</b>						
1	3.89/a	Soil excavation by wheeled excavators 0.25 m <sup>3</sup> , in ditches with a width up to 2 m, ordinary soil, category III, unloaded in vehicles	m3	200		
2	3.158/3a	Soil transportation by trucks in a distance up to 3.0 km	m3	500		
3	3.161/2	Leveling of escarpments through excavation, excavator 0.25m <sup>3</sup>	m2	1000		
4	An.124/3a	Free section rock excavation by the use small mines and excavator 1m <sup>3</sup> + transportation	m3	200		
5	An.164/1a	Filling of road track with gravel and quarry stones, spread and compacted by machines	m3	200		
<b>LAYER WORKS</b>						
6	3.212/c	Stabilizing layer t=15cm	m2	2000		
7	3.212/d	Stabilizing layer t=20cm	m2	2000		
8	An	Scarifying of asphalt layers by machines	m2	2000		
<b>ASPHALT WORKS</b>						
9	3.222/2	Binder layer with crushed stones and quarry stones, 6cm, by machines	m2	2000		
10	3.226/1	Asphalt concrete layer with crushed stones and quarry stones, 4cm, by machines	m2	12000		
<b>CONCRETE AND REINFORCED CONCRETE WORKS</b>						
11	3.235	Monolithic b/concrete construction C 12/15 with 20% stone	m3	100		

12	3.245/1	Thin monolithic concrete structures C 25/30	m3	20		
13	3.246	Monolithic concrete structures with gravel C 20/25	m3	100		
14	3.268	Supply and installation of rectangular culverts b/a C 16/20	m3	20		
		<b>REINFORCED CONCRETE WORKS</b>				
15	3.287	Supply and installation of common rebars $\varnothing$ 6 ~ 10mm	tons	1		
16	3.288	Supply and installation of common rebars $\varnothing$ > 12mm	tons	1		
		<b>CONSTRUCTION OF ART WORKS</b>				
17	3.323	Stone retaining wall, M50 cement mortar	m3	50		
18	3.332	Gabion walls with galvanized wire mesh, crushed stone 1x1x1.5 m	m3	50		
19	3.352	Filling with quarry stones	m3	100		
20	3.366	Culverts with concrete pipes $\varnothing$ 800, above the concrete layer	m	20		
21	3.367	Culverts with concrete pipes $\varnothing$ 1000, above the concrete layer	m	20		
22	An-8	Filling the walls with gravel	m3	100		
		<b>DIFFERENT WORKS</b>				
23	3.618	Supply and installation of concrete kerbs 20x35 cm	m	50		
24	3.636	Precast metal bridge parapets	tons	1		
		<b>ROAD SIGNS WORKS</b>				
25	An4	H1 W3 single-sided guardrail with 2 wave beams + accessories (road)	ml	2000		
26	An35	Single-sided concrete parapet ( $\varnothing$ 60) + accessories (bridge)	ml	50		
27	An106	Common triangular sign board with A = 90	pcs	2		
28	An116	Common side road marking lines with two senses (red + white)	pcs	2000		
29	An118	(Single) turn dotted marking lines	pcs	20		
30	An119	(Double) turn dotted marking lines	pcs	50		
31	An120	Mild or sharp (T-shaped) turn marking lines	pcs	30		
32	An151	Road marking lines with bicomponent paint	m2	8400		
33	An147	Audible lines (with gel bicomponent paint + beads 5 kg/m2)	m2	100		
34	An156	Supply and installation of road indication sign boards 150x40cm	pcs	20		
35	An158	Supply and installation of different road sign boards $\varnothing$ =60cm	pcs	400		
					<b>TOTAL</b>	