

where people matter

City of Loganville

Public Utilities Brandon Phillips Director

P.O. Box 39 Loganville, GA 30052

Tel: 770-466-3240

## **Staff Report Department of Public Utilities**

To: Honorable Skip Baliles and Members of the City Council

Through: Danny Roberts, City Manager

From: Brandon Phillips, Director of Utilities

Date: September 12, 2024

Subject: Purchase of Two Kubota Mini Excavators (ARPA Funds)

#### **RECOMMENDATION:**

Staff requests the City Council approves the purchase of two Kubota mini excavators.

#### **FISCAL IMPLICATION:**

The total quoted amount received under the state contract pricing is \$111,956.40, and ARPA funds will be used for the purchase. The excavators are in stock, and a delivery date will be scheduled upon payment.

#### **BACKGROUND:**

The Utility Department currently has two Kubota excavators, and are shared between four departments. One is a 2012 model, and the other excavator is a 2013 model. The Utility Department uses these excavators every day for water and sewer repairs, and the Stormwater Department uses one for general repairs and ditch work. The purchase of these new excavators will allow each department to have their own excavator, and will prevent any hindrances when projects are needing to be completed.



6953 Covington Hwy Stonecrest, GA 30058

#### NICK BURKS 770-408-0079

NBURKS@lashleykubota.com

State of Georgia Contract Quote Tractors, Mowers, and Earthmoving Equipment 99999-001-SPD0000177-0025 Marion Ford Tractor DBA Lashley Kubota

\$54,778.20

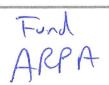
\$625.00

Name	CITY OF LOGANVILLE	Phone	<u>770-466-0911</u>
Address	PO BOX 39	Cell	770-875-2291
City/ST/Zip	LOGANVILLE, GA 30052	Fax	
Contact	MIKE MURRELL	Email	MMORRELL@LOGANVILLE-GA.GOV

Quantity	Item	Equipment Description	MSRP	Discount	Savings	Price	Extended	
1	KX040-4R1A	KUBOTA MINI EXCAVATOR	\$64,825.00	26.00%	\$(16,854.50)	\$ 47,970.50	\$ 47,970.50	
1	ТНИМВ	USA ATTACHMENTS THUMB	\$3,329.00	5.00%	\$(166.45)	\$ 3,162.55	\$ 3,162.55	
1	18 BUCKET	USA ATT 18" QUICK ATT	\$1,319.00	5.00%	\$(65.95)	\$ 1,253.05	\$ 1,253.05	
1	12 BUCKET	USA ATT 12" QUICK ATT	\$1,239.00	5.00%	\$(61.95)	\$ 1,177.05	\$ 1,177.05	
1	COUPLER	USA ATT QUICK COUPLER	\$1,279.00	5.00%	\$(63.95)	\$ 1,215.05	\$ 1,215.05	

		ZEIOP	\$5/5.00	
		DELIVERY Mile	es \$0.00	
			\$0.00	
		<b>Total Sales Price</b>	\$55,978.20	
Trade li	1			
ade Description	Allowed	Trade In	\$0.00	
		Total Net of Trade	\$55,978.20	

Quote Valid Until:	Quote Accepted By:		
Thank You - NICK BURKS			



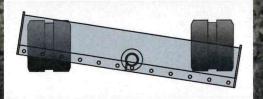
**Total Equipment Price** 

IN FREIGHT

### **Hydraulic 6-in-1 Blade Models** Kubota's hydraulic 6-in-1 Blade can Tilt blade control be angled right and left, and now, The 6-in-1 blade is a true productivity enhancer, and operation is now tilted as well. This blade enables six even more rewarding. Blade up, down, and float functions are the same as the previous model. Operate the rocker switch on top of the blade different positions: neutral, floatcontrol to tilt the blade 10° up or down, and simply twist the control up, left-end-up, right-end-up, lefthandle to angle the blade 25° left or right. Command all six functions end-forward and right-end-forward. simultaneously for more convenient control of landscaping, shaping, This feature makes leveling and and backfilling jobs. backfilling work incredibly easy, even on inclines and uneven terrain, making you more productive and more efficient. KX040-4

#### Superior width and tilt angle

This 5' 10.9"-wide blade stretches across the entire machine width, even when tilted. It can be tilted a generous 10 degrees right or left, allowing the operator to dig ditches easily when tilted on a flat surface.



#### **Bolt-On cutting Edge (BOE)**

The cutting edge protects the angle blade during heavy-duty dozing operations. The reversible cutting edge is devided into two sections to easily invert the edge for continued use.

#### Tie-down/lift points

The dozer blade's thick side plates improve the tie-down point's durability. Use them also as lifting points, along with the lifting point on top of the boom, for convenient 3-point crane lifting of the KX040-4.

## SUPERIOR PERFORMANCE

## Proportional flow control of auxiliary circuit (AUX1/2) and maximum oil flow setting

The KX040-4 is available with a standard AUX1 and optional AUX2 auxiliary circuits. The convenient thumb-operated switch on the lever allows easy proportional flow control of the auxiliary circuit, while a forefinger-operated on/

off switch enables simple operation of special applications that require a constant oil flow. The maximum oil flow setting is conveniently adjustable from the digital panel. Up to five flow rates corresponding to specific attachments can be programmed in the memory on the digital panel for easy retrieval for the next job.



KUE

#### Strong bucket breakou

Even when heavily loaded, the KX040-4 won't slow down, thanks to its powerful breakout force. With the pin-on or quick coupler bucket, the bucket breakout force is more than enough for even the toughest excavating jobs.

#### Thumb bracket and relief valves

The hydraulic thumb makes short work of a variety of loading and material handling jobs. The factory installed mount brackets and hydraulics significantly reduce the time needed to mount accessories.

#### **AUX1** diverter valve

With the AUX1 diverter valve, the AUX oil supply can be changed without having to remove the thumb pipeline when the operator wants to use a hydraulic attachment.



#### Third line hydraulic return

When working with one-way hydraulic attachments, such as a breaker or brush cutter, the standard third-line hydraulic return system allows oil to flow directly back to the tank without running through the control valves. This contributes to less oil contamination, reduced back pressure, and greater oil flow efficiency.





Unlike many excavator windows, the front glass window of the KX040-4 opens with ease. Just flip the latches on the window sides and slide it up. A gas-assist mechanism makes this action almost effortless.









## NEW DIGITAL PANEL



- A. Hour meter
- **B.** Coolant temperature
- C. Clock
- D. Fuel level
- E. Engine RPM



Following the excellence of Kubota's Intelligent
Control System, the new digital panel puts
convenience at the operator's fingertips. Featuring
easier button operation, the user-friendly digital panel
is positioned to the front right corner of the operator.
This operator-facing wider display greatly improves
visibility. With easier access, simpler settings, easyto-read indicators and alerts, you'll always be aware
of the excavator's functioning status.

#### **Operation history record**

Operation history is automatically recorded on the KX040-4. You can trace back up to 90 days of the machine's usage dates by simply checking the built-in calendar.





Service mode



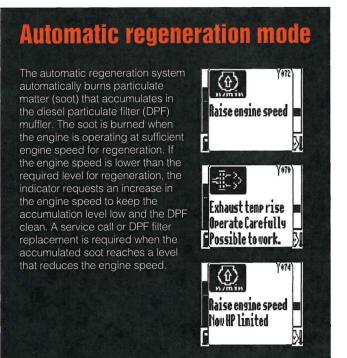
Warning mode



**Operation history record** 



Max. oil flow setting (AUX1 and optional AUX2)



## KX040-4 OPTIONS

#### STANDARD EQUIPMENT

#### Safety system

- Engine start safety system
- Travel motor with disc brake
- Swivel motor with disc brake
- All hydraulic control

#### Working equipment

- Auxiliary hydraulic circuit 1
- 2 working lights on cab and 1 light on the boom
- Dozer blade with float function
- Thumb bracket and relief valve

#### Operator's space

- ROPS/OPG (TOP Guard, Level I) canopy
- Weight-adjustable full suspension seat
- Retractable seat belt
- Hydraulic pilot control levers with wrist rests
- Travel levers with foot pedals
- Two pattern selection system
- Digital panel
- 12V power source
- Cup holder
- Horn

#### Engine/Fuel system

- Double element air filter
- Auto idling system
- Water separator with drain cock

#### Undercarriage

- 1'1.8" (350 mm) rubber track
- 1 × upper track roller
- 4 double-flange track rollers on each side
- 2-speed travel switch on dozer lever
- 2-speed travel with auto-shift

#### Hydraulic system

- 1-pump load sensing system
- Pressure accumulator
- Hydraulic pressure checking ports
- Straight travel circuit
- Third line hydraulic return
- Auxiliary switch (AUX1) on right control lever
- Adjustable maximum oil flow on auxiliary hydraulic circuits 1

#### Others

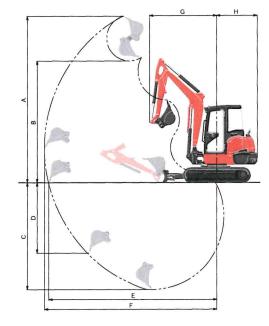
- Tool box
- Grease gun holder

#### **OPTIONAL EQUIPMENT**

- 6 in 1 blade with float function and BOE
- Angle blade with float function and BOE
- Cab with A/C
- Canopy lights
- Beacon lights
- 1'1.8" (350 mm) steel track
- Additional auxiliary hydraulic circuit 2 (adjustable max. oil flow control)
- Travel alarm
- Mirror kit
- Cab radio
- Hydraulic breaker
- Hydraulic thumb
- Pin-on and quick attach buckets

#### **WORKING RANGE**

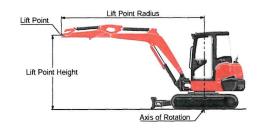
	Me	KX040-4		
Α	Max. digging height		ft. in. (mm)	17'6" (5335)
В	Max. dumping height		ft. in. (mm)	12'9.5" (3900)
С	Max. digging depth		ft. in. (mm)	11'2.7" (3420)
D	Max. vertical digging	depth	ft. in. (mm)	7'4.8" (2255)
Е	Max. digging radius, a	t ground level	ft. in. (mm)	17'9" (5410)
F	Max. digging radius		ft. in. (mm)	18'2.1" (5540)
	G Min. turning radius	W/o swing	ft. in. (mm)	7'1.8" (2180)
G		W swing	ft. in. (mm)	5'11.1" (1805)
Н	Min. tail turning radius	3	ft. in. (mm)	4'3.2" (1300)



#### LIFTING CAPACITY

#### Cab rubber

LIFT POINT HEIGHT (ft)		The second secon	ING CAPAC RONT BLAD unit		LIFTING CAPACITY OVER-SIDE unit=1000 lbs			
		LIFT POINT RADIUS (ft)			LIFT POINT RADIUS (ft)			
		8	12	14	8	12	14	
	6	2.72	1.91	1.75	2.72	1.60	1.27	
	4	3.54	2.13	1.86	2.76	1.55	1.25	
	2	4.08	2.32	1.96	2.65	1.51	1.22	
GL	0	4.25	2.43	2.01	2.60	1.48	1.21	



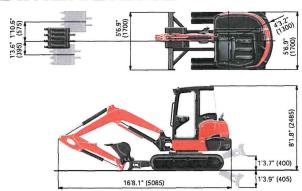
#### **SPECIFICATIONS**

Model					KX040-4	KX040-4 Angle Blade	KX040-4 6-in-1 Blade		
Type of ROPS / OPG (TOP Guard, Level I)*				Canopy / Cab					
Type of tracks				Rubber / Steel					
	Model				Kubota D1803-CR-TE4				
Engino	Output (SAE J1995 gross) HP (kW) / rpm				40.4 (30.1) / 2200				
Engine	Output (SAE J1349 net)		HP (	kW) / rpm	38.9 (29.0) / 2200				
	Displacement cu. in. (cc)			111.4 (1826)					
	Overall length		f	t. in. (mm)	16'8.2" (5085)				
Dimensions	Overall height	Canopy i	Cab f	t. in. (mm)	8'	8'1.8" (2485) / 8'1.8" (2485)			
Dimensions	Overall width		f	t. in. (mm)	5'6.9"	(1700)	5'10.9" (1800)		
	Min. ground clearance			in. (mm)		12.99" (330)			
	Pump capacity		GF	PM (ℓ/min)		24.4 (92.4)			
Hydraulic system	Auxiliary hydraulic flow	AUX1/A	UX2 GF	PM (ℓ/min)	17.2 (65) / 9.8 (37)				
System -	Max. breakout force	Bucket //	Arm	lbf. (kgf)	9	9535 (4325) / 4112 (1865)			
	Travel speed	Low / High mph (km/h)			1.8 (2.9) / 3.1 (5.0)				
	Max. traction force	Low speed lbf. (kgf)			9747 (4420)				
	Tumbler distance ft. in. (mm)			5'7.3" (1710)					
Drive system	Crawler length ft. in. (mm)				7'1.6" (2175)				
	Shoe width ft. in. (mm)				1'1.8" (350)				
	Ground contact	Rubber	Canopy / Cab			4.70 (32.4) / 4.86 (33.5)			
	pressure	Steel Canopy / Cab psi (kPa)		4.61 (31.8) / 4.76 (32.8)   4.78 (33.0) / 4.93 (34.0)   4.95 (34.1) / 5.10 (35.3)					
Swing system	Unit swing speed rpm				9.2				
Swing system	Boom swing angle	Left / Rig	ht	degree		70 / 55			
	Dimensions	Width	f	t. in. (mm)		(1700)	5'10.9" (1800)		
		Height		t. in. (mm)	1'1.8" (350)		(385)		
Blade	Max. lift above ground		f	t. in. (mm)	1'3.7" (400)	1'4.5" (420)	1'4.9" (430)		
	Max. drop below ground		f	t. in. (mm)	1'3.9" (405)	1'8.1" (510)	1'8.9" (530)		
	Angle Left / Right		ht	degree -		25	/ 25		
	7 tilgio	Tilt degree		- 10/10					
Hydraulic oil (Reservoir / System) gal $(\ell)$			11.1 (42) / 19.6 (74)						
Fuel reservoir gal $(\ell)$			16.9 (64)						
Operating weigh		Rubber	Canopy / Cab	lbs. (kg)					
(Including operator's weight @ 175 lbs.)		Steel	Canopy / Cab	lbs. (kg)	9350 (4240) / 9655 (4380)	9700 (4400) / 10010 (4540)	10050 (4560) / 10360 (4700)		

<sup>\*</sup> OPG (TOP Guard, Level I) in accordance with ISO10262 is equivalent in definition to FOPS (Falling Object Protective Structure).

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for warranty infomation. For your safety, Kubota strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt for almost all applications.

#### DIMENSIONS



# 6-in-1 Blade Angle Blade 10 13.2° (385) Unit: ft. in. (mm)

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## Kubota

#### **KUBOTA TRACTOR CORPORATION**

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