

American River Flood Control District

Purchase of RC Mowers TK-44E RC Mower

Staff Report

Discussion:

The District has benefitted greatly from the emerging technology of remotely controlled (RC) mowers. In 2017, the District purchased an Alamo Ridge Runner after following the developing technology closely for many years. The Ridge Runner was the first available RC mower that was light enough and had a low enough center of gravity to be usable on the steep levee slopes. The RC mower can also access very tight spaces where the District previously could only control vegetation with line trimmers or herbicides.

Over the last four years, the District has used the Ridge Runner extensively and it has pushed the boundaries of what we were previously able to mow due to steep terrain and lack of toe roads. Over that use, the mower experienced a number of mechanical failures and needed to be repaired. The District crew worked with the manufacturer to recommend solutions to common problems we were experiencing and eventually made modifications that improved upon the original design. Due to extensive use, the Ridge Runner is now approaching time to be replaced. Although staff believes we can still get three or more years of continued service out of the mower, it is recommended to purchase a new mower in expectation of the Ridge Runner's approaching end of service life.

After a thorough search of available RC mowers to replace the Ridge Runner, staff determined that of the three known pieces of equipment in existence, only one is actually available in the United States. The Alamo Ridge Runner is no longer offered and repeated attempts to engage the Alamo company have yielded no response. The Green Climber F23 offered in Europe is a similar mower to the Ridge Runner but there is no U.S. vendor for the product.

The only currently available mower that meets the District's constraints for being a light weight tracked RC mower with a low center of gravity is the RC Mowers TK-44E. The TK-44E is a tracked 44-inch Rotary Mower with a 21.5 horsepower Kawasaki engine capable of mowing up to a 45-degree maximum slope. This mower's capabilities and construction meet and exceed that of the District's current Alamo Ride Runner.

There is currently no equal competitor for the RC Mowers TK-44E for the District's intended purposes. Remotely controlled mowers with tires instead of tracks are available but they are not able to maneuver on the District's steep levee slopes. Therefore, the District is not held under the requirement to conduct open public bidding to insure the lowest available cost. Since the RC Mowers product is the only piece of equipment that can perform under the constraints required by the District, the public is assured of the lowest cost for this item.

The cost quote from RC Mowers for the TK-44E plus the 200-hour maintenance kit and freight charges amounts to a total cost of \$38,734.36.

Recommendation:

The General Manager recommends that the Board of Trustees approve the purchase of the RC Mowers TK-44E mower at a price of \$38,734.36.



QUOTE

RCMOWERSUSA.COM

2146 Deerfield Avenue E, Suamico, WI 54173
(920) 634-2227 office

BILLING

Bill To Name American River Flood Control District
Bill To TBD
Sacramento, CA
Contact Name Ross Kawamura
Contact Phone (916) 929-4006 • (916) 708-7017
Contact Email ross@arfcd.org

SHIPPING

Ship To Name American River Flood Control District
Ship To Sacramento, CA
Delivery Contact Ross Kawamura
Delivery Phone (916) 929-4006 • (916) 708-7017
Delivery Email ross@arfcd.org

Customer Name American River Flood Control District

FCA Suamico, WI
Lead Time 5-6 Weeks

Product Code	Product	Sales Price	Quantity	Total Price
TK-44E	Tracked 44" Rotary Mower, 21.5hp Kawasaki Engine, 45 Degrees Max Slope	\$36,950.00	1.00	\$36,950.00
790104	200 Hour Maintenance Kit - [TK-44E, WA-44E]	\$234.36	1.00	\$234.36

Subtotal \$37,184.36
Freight \$1,550.00
Tax Due \$0.00
Total \$38,734.36

Delivery Information

Ability to Offload Yes

Prepared By Jessica Korthals
Phone (480) 848-8904
Email jkorthals@rcmowersusa.com

Quote Number 00000353
Created Date 4/14/2021

LOVE IT OR LEAVE IT

Our 30-day buy-back guarantee provides you peace-of-mind in case you change yours.

This quote is valid for 60 days.



TK-44E

REMOTE-OPERATED SLOPE MOWER



DESIGNED + BUILT IN THE USA



SAFE, EFFICIENT & POWERFUL.

Our most compact machine. Designed to tackle tough jobs.

IDEAL FOR:

- Hillside & steep-incline maintenance
- Golf course maintenance
- Mowing under solar panels
- Dam & levy embankments
- Wet or muddy terrain
- Roadside mowing



KEY FEATURES

REMOTE CONNECTIVITY UP TO

1000ft

LIGHT-WEIGHT AND
LOW GROUND
PRESSURE (2.2 PSI)

CUTS BRUSH UP
TO 1 INCH IN
DIAMETER

44"
CUTTING WIDTH

2.9
MPH MOWING SPEED

REMOTE
TILT/DROP
AUTO-SHUTDOWN

CAN BE OUTFITTED
WITH SMOOTH TRACKS
TO PROTECT TURF

21.5
HORSEPOWER

SLOPE CLIMB:

45
DEGREES

Russ -

TK-44E

MOWER SPECIFICATIONS



DIMENSIONS

WEIGHT **1,218 LBS**

LENGTH **82"**

WIDTH **63"**

HEIGHT **34"**

DRIVETRAIN

- Kawasaki® FR651V
- Air-Cooled
- Heavy-Duty Air Cleaner
- 21.5 Horsepower
- 726cc Engine Displacement
- Hydro-Gear® ZT-3100 Transaxles
- 5 Gallon Fuel Capacity

TRACKS

- Rubber Molded over Steel Links
- Steel Cords
- 7" Wide (180mm x 72mm x 38mm)
- Tread Style 'WAVE'

PERFORMANCE

- 3.1 MPH Transport Speed
- 2.9 MPH Mowing Speed
- 1.2 Acres Per Hour
- 45 Degree Slope Climb Ability

MOWING DECK

- Fabricated 10 ga. Steel
- 1/4" Spindle Reinforcement
- Ogura® Electric Clutch
- 44" Cutting Width
- 2.2 to 6.5" Cutting Heights

WARRANTY

- 1 Year or 200 hours



EXPERIENCE THE RCM DIFFERENCE

Our American-made, remote-operated slope mowers offer a smarter, safer way to maintain steep slopes and extreme landscapes. Bringing technology to bear with traditional problems, we create smart mowers that deliver game-changing opportunities – including safer working conditions, more capabilities, better work environments, versatility, new revenue streams, and the ability to attract, hire, and retain talented workers.

