

## MEMORANDUM

**TO:** Programs, Projects & Operations Subcommittee  
**FROM:** Nicole Gust, Purchasing Agent  
**DATE:** May 4, 2022  
**RE:** FY 2023 Equipment Requirements

---

Attached is a chart of equipment items identified for purchase/replacement in FY 2023. The process to identify and prioritize equipment items most needed by the District was determined by a staff Equipment Committee comprised of Bill Brush, Martin Cleveland, Carey Fry, Justin Novak, Bill Warren, Terry Schumacher and myself. Each department within the NRD identified their equipment requirements and the Equipment Committee reviewed each item and made recommendations to the General Manager for purchase. The GM then reviewed the Committee's recommendations and made further changes to the request list.

The FY 2022 total equipment budget was \$398,175. The proposed FY 2023 equipment budget request is \$616,093.79.

**Management recommends that the Subcommittee recommend to the Board of Directors to approve the proposed FY 2023 Equipment Requirements, subject to funding in the FY 2023 Budget.**

Attachments:

FY 23 Equipment Requirements List

Purchase of Currently Leased District Equipment Recommendation Memo

Envirosight RX95 Crawler and Verisight Pro+ Push Camera Memos

\*\*Final Draft\*\*

## F.Y. 2023 Equipment Requirements List Worksheet

Item Description	Cost	Justification/Indicative Data
<b>Account #01-01-000-4802 Machinery &amp; Equipment</b>		
Caterpillar 938 M Rubber Tire Loader – Name Brand Memo <b>*State Contract Pricing*</b>	3/5 annual payments \$39,497	Used in construction, maintenance, and Parks, 100 miles of levees and PL-566 structures. Replacing 2005 Case 621-D Rubber tire loader (5CL01) with approximately 4,000 EOY hours  Purchase approved by the Board in 2020
Second of 5 Payments for 2020 Cat 12 M 3 AWD motor grader <b>*State Contract Price*</b>	(\$238,730) 3/5 Payments - \$54,969.50	Used on construction, maintenance, 100 miles of levees and PL-566 structures. Replacing 1999 JD 772CH motor grader with approximately 4,000 EOY hours (5LW02)  Purchase approved by the Board in 2019
Annual Rollover for Bob Cat T66 Track Skid Loader	\$7,850	Used for Operations & Maintenance and Park Maintenance
New 2023 Bob Cat UW56 Tool Cat	\$39,948.29 State Contract	Replacing 6CT26 - 2015 Bob Cat 5600 Tool Cat with 4K hours (trade in value \$26,000) Used for Park maintenance in Chalco, Elkhorn Crossing, Platte River Landing, Graske Creek, Waterloo Access and MoPac Trail
New 2023 14K lb. Trailer for Skid Loader, Tool Cat, Mini Backhoe and hauling 5 zero turn mowers	\$17,134 State Contract	Replacing 8AE27 - 2012 12K lb. trailer (trade in value \$4,950) Used for heavy skid loads, mini backhoe, mowers, etc.
EnviroSight RX95 Crawler	\$16,000	This equipment connects to our current culvert inspection equipment, and will be used to inspect culverts 6” - 12” Name Brand request due to this equipment’s compatibility with our existing equipment
EnviroSight Verisight Pro+ Push Camera	\$10,900	Used to inspect 2” to 6” drains. Name Brand request due to this equipment’s compatibility with our existing equipment
CAT 257D Multi Terrain Loader (2)  <b>Purchase</b>	<b>\$91,525</b>	One used exclusively at Kramper Lake, and one used on various northern structures and rural water main repairs  In previous years, this equipment was leased annually – this option is no longer available to us, and this equipment is now only available for purchase.  <b>Include in Budget or Reallocate Funds from CAP?</b>

CAT 305E2CR Hydraulic Excavator <b>Purchase</b>	<b>\$55,270</b>	Used on various northern structures and rural water main repairs  In previous years, this equipment was leased annually – this option is no longer available to us, and this equipment is now only available for purchase.  <b>Include in Budget or Reallocate Funds from CAP?</b>
<b>Total FY 23 Machine/Equip</b>	<b>\$333,093.79/ \$186,298.79</b>	<b>FY 22 Budget \$145,175</b>
<b>Account #01-01-000-4803 Automobiles and Trucks</b>		
New 2023 4x4 Heavy Duty ¾ Ton Pick up regular cab 8' Box 7.3/6.4 Engine Size	\$40,000	Replacing 2LL21 2010 Ford Ranger Extended Cab with approx. 100K EOY miles
New 2023 ½ Ton Pickup	\$36,000	Replacing 2LL27 2012 Chevy Colorado with over 112K EOY miles
New 2023 ¾ Ton Pickup	\$40,000	Replacing 2LL24 2011 Ford F250 with over 137K EOY miles
New 2023 Small SUV	\$32,000	FY 2022 Project Managers identified the need for a second vehicle – Jeep Grand Cherokee was approved by the Board and ordered but due to lack of availability the dealer cancelled the order. <b>This item is a rollover from FY22</b>
<b>Total FY 23 Autos/Trucks</b>	<b>\$148,000</b>	<b>FY 22 Budget \$157,000</b>
<b>Account #01-01-000-4804 Office Equipment</b>		
Replace storage network equipment (2 x \$9,000)	\$18,000	Current equipment is end-of-life. Network equipment replacement cycle is 5 years.
Replace virtualization servers (3 x \$9,000)	\$27,000	Server replacement cycle is 3 years; warranty expires in FY23
Replace all employee standard desktops (32 x \$1,500)	\$48,000	Desktop replacement cycle is 3 years; warranty expires in FY23
Replace Dakota City server (1 x \$5,000)	\$5,000	Server replacement cycle is 3 years; warranty expired in FY22; replacement was deferred to fund phone project.
Replace Blair and Dakota City Wi-Fi gear (3 x \$2,000)	\$6,000	Current equipment is >5 years old. Will be replaced with the same class and type of gear as used in Omaha
Replace Board Room projector with monitor	\$14,000	Projector video quality is dramatically worse than the newer monitors, would provide the same quality to all viewers

Director equipment	\$5000	Annual line item to fund any computing needs for Directors
Miscellaneous equipment	\$10,000	Miscellaneous printers, tablets, etcetera that are unplanned or minor purchases.
<b>Total FY 23 Office Equip</b>	<b>\$135,000</b>	<b>FY 22 Budget \$96,000</b>
<b>Total FY 23 Budget</b> <b>\$616,093.79 or \$469,289.79 if funds are reallocated for Loaders and Excavator</b>		<b>Total FY 22 Budget</b> <b>\$398,175</b>

Blair/Thurston/Dakota County  
Operations & Maintenance  
Survey  
IT

\*\*Updated 5/4/2022

## MEMORANDUM

**TO:** Programs, Projects & Operations Subcommittee  
**FROM:** Justin Novak, Project Manager and Nicole Gust, Purchasing Agent  
**DATE:** April 27, 2022  
**RE:** Purchase of Previously Leased Caterpillar 259 Skid Steers (2) and Caterpillar 305E2 Mini Excavator (1)

---

Staff recommends that we purchase the two Caterpillar 259 Skid Steers and the one Caterpillar 305E2 Mini Excavator that the District is currently leasing. Typically, we would lease these new each year, but due to the lack of available inventory NMC is not able to lease us new machines or re-lease us the current machines. NMC has stated that if we do not purchase these machines, we will lose them entirely which leaves us with no equipment in the northern part of the District. Staff checked with other vendors but were not able to secure a commitment on delivery dates for new equipment this year. Staff has found the purchase price on all three pieces of equipment to be very reasonable on machinery that we have used and maintained since it was new. There are two options for purchase:

1. The current equipment lease ends at the end of April and NMC will charge us the rates below with 80% of that rate being credited towards the purchase of the equipment when the Budget is approved in September.

(1) 305E \$1,688 per month rental rate (\$1,350.40 credit, \$337.60 loss per month)

(2) 259D3 \$3,700 per month rental rate (\$2,960 credit, \$740 loss per month)

2. Reallocate funds from the Budget to purchase this equipment immediately and avoid further lease payments. The Equipment Committee has identified the Conservation Assistance Program as an area that funds can be reallocated to purchase this equipment.

## MEMORANDUM

**To:** Programs, Projects and Operations Subcommittee  
**From:** Mike McNaney, Survey Coordinator  
**Date:** April 7, 2022  
**Re:** EnviroSight RX95 Crawler

---

The Survey Department is requesting the purchase of an EnviroSight RX95 Crawler to be included in the FY 2023 Budget.

The EnviroSight RX95 Crawler connects to our current culvert inspection equipment used to inspect the District's 500+ levee penetrations. The RX95 is a small Crawler which will be used to inspect culverts 12" and smaller. One important need for this unit is to inspect the 11,500' of trench drains at Union Dike which are 8" pipes with multiple 90-degree bends and 500-foot runs after the bends.

The Survey Department is requesting the name brand purchase of an EnviroSight RX95 Crawler due to the compatibility with our existing EnviroSight Rover X sewer inspection equipment. Purchase subject to funding of the FY 2023 Budget.

## MEMORANDUM

**To:** Programs, Projects and Operations Subcommittee  
**From:** Mike McNaney, Survey Coordinator  
**Date:** April 7, 2022  
**Re:** EnviroSight Verisight Pro+ push camera

---

The Survey Department is requesting the purchase of an EnviroSight Verisight Pro+ push camera to be included in the FY 2023 Budget.

The EnviroSight Verisight Pro+ push camera is needed to inspect 2” to 6” drains typically with rodent guards installed. Sunset Pool wall, West Branch, and most of the District’s damsites have trench and finger drains which require condition inspections.

The Survey Department is requesting the name brand purchase of an EnviroSight Verisight Pro+ push camera, due to the compatibility with our existing EnviroSight sewer inspection equipment, and 15 years of experience and knowledge of working with the EnviroSight Brand. Purchase subject to funding of the FY 2023 Budget.

