

MEMORANDUM

TO: Programs, Projects & Operations Subcommittee
FROM: Nicole Gust, Purchasing Agent
DATE: April 29, 2020
RE: FY 2021 Equipment Requirements

Attached is a chart of equipment items identified for purchase/replacement in FY 2021. 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, Zach Nelson, 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 2020 total equipment budget was \$327,236. The FY 2021 equipment budget request is \$386,704.06.

Management recommends that the Subcommittee recommend to the Board of Directors to approve the FY 2021 Equipment Requirements subject to the FY 2021 Budget as listed in this memo.

Attachments:

FY 21 Equipment Requirements List
Equipment Budget Comparison
Vehicle Maintenance Comparisons
CAT Name Brand Memo
IT Dept. Equipment Replacement Policy

FY 2021 Equipment Requirements List Worksheet

Item Description	Cost	Justification/Indicative Data
Account #01-01-000-4802 Machinery & Equipment		
Caterpillar 938 M Rubber Tire Loader – Name Brand Memo **State Contract Pricing**	\$174,840 5 payments of \$39,496.56	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
Snow Plow 9'2" Blade for 2021 1 ¼ Ton	\$6,922	Replacing 2004 snow plow blade
Annual Rollover for Bob Cat T590 Track Skid Loader	\$5,850	Used for Operations & Maintenance and Park Maintenance
Second of 5 Payments for 2020 Cat 12 M 3 AWD motor grader	(\$238,730) State Contract Price 2/5 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)
Rovver X Video Equipment	\$38,466	3/3 Annual Payments
Dump Trailer	\$15,000	Hauling for Walthill Shop
CAT 257D Multi Terrain Loader (2)	\$11,000 Annual Lease (590 – Maintenance, Dams – Equipment Rental)	One used exclusively at Kramper Lake and one used on various northern structures and rural water main repairs
CAT 305E2CR Hydraulic Excavator	\$5,500 Annual Lease (590 – Maintenance, Dams – Equipment Rental)	Used on various northern structures and rural water main repairs
Total FY 21 Machine/Equip	\$160,704.06	FY 20 Budget \$148,236

Account #01-01-000-4803 Automobiles and Trucks		
2021 mid-size AWD vehicle	\$30,000	With trade-in of 2011 Chevy Equinox (1CA12) with 133,440 EOY miles
2021 1 ¼ Ton Dually 4x4 Gas w/ 9'x 8' Dump Box	\$58,000	With trade-in of 2002 Diesel 1 Ton Dually with 9'x 8' Dump Box (2EA07) w/ over \$21K maintenance cost and 110,106 EOY miles
2021 Light Duty Truck	\$25,000 **Will be reimbursed by Rural Water**	With trade-in of 2009 Chevy Colorado (2LL20)
Total FY 21 Vehicles	\$88,000 after RW Reimbursement	FY 20 Budget \$80,000
Account #01-01-000-4804 Office Equipment		
Replace 2 Omaha Servers	\$20,000	Replacement Schedule
Replace 6 Laptops	\$12,000	Replacement Schedule
Replace 4 GIS Workstations	\$12,000	Replacement Schedule
Replace Dakota City Server	\$3,000	Replacement Schedule
Replace Firewalls in Dakota City, Blair, Walthill and shop	\$6,000	Replacement Schedule
Replace Storage Unit	\$35,000	Replacement Schedule
Phone System	\$35,000	Current system was purchased in 1996 and has eliminated entire phone equipment line. No new equipment is being manufactured for this system.
Director Equipment	\$5,000	Annual purchase
Printers, tablets, accessories	\$10,000	Annual purchase
Total FY 21 Office Equip	\$138,000	FY 20 Budget \$99,000
Total FY 21 Equipment Request	\$386,704.06 After RW Reimbursement	Total FY 20 Budget \$327,236


Operations & Maintenance
Thurston/Dakota County
Survey
IT

Equipment Budget Comparisons FY 2015 – FY 2021

Budget	2015	2016	2017	2018	2019	2020	2021
4802-Machinery & Equipment	\$157,698	\$85,662	\$202,021	\$142,143	\$93,450	\$148,236	\$160,704.06
4803-Autos & Trucks	\$0	\$77,000	\$85,000	\$99,000	\$125,000 <small>Excluding RW</small>	\$80,000 <small>Excluding RW</small>	\$88,000 <small>Excluding RW</small>
4804-Office Equipment	\$124,000	\$135,600	\$62,000	\$114,000	\$130,466	\$99,000	\$138,000
Total	\$281,698	\$298,222	\$349,021	\$355,143	\$348,916	\$327,236	\$386,704.06

Vehicle Maintenance Comparisons

VEHICLE	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	TOTAL VM	2020 EOY MILES
1CA12 11 Chevy Equinox FY2021		\$93.93	\$788.16	\$1,565.25	\$127.48	\$237.01	\$510.00	\$893.87	\$213.30	\$191.92	\$9,337.76	133,440
1CA14 16 CHEVY EQUINOX								\$101.90	\$0.00	\$947.44	\$101.90	59,752
1CA15 18 JEEP GRAND CHEROKEE (JW)									\$16.45	\$10.14	\$16.45	94,378
1CA16 18 JEEP GRAND CHEROKEE (MJP)									\$74.87	\$162.49	\$74.87	31,100
2EA07 02 FORD 4X4 DUMP BED FY2021	\$0.00	\$0.00	\$3,213.40	\$1,321.42	\$5,472.68	\$385.33	\$633.43	\$1,057.10	\$1,099.49	\$4,196.90	\$17,379.75	110,106
2EA08 07 MACK DUMP TRK	\$310.85	\$603.68	\$16,365.02	\$5,256.44	\$12,378.12	\$0.00	\$22,749.10	\$2,618.29	\$3,824.72	\$1,359.06	\$65,465.28	318,608
2EA09 2013 MACK DUMP TRK				\$1,943.63	\$329.23	\$829.14	\$382.54	\$399.86	\$76.13	\$348.65	\$4,309.18	150,555
2GA05 2019 Ram 5500										\$0.00	\$0.00	16,896
2GA06 2019 Ram 4500										\$0.00	\$0.00	6,228
2LL18 08 FORD RANGER FY2022	\$300.17	\$184.93	\$443.80	\$1,209.83	\$711.36	\$4,923.72	\$1,906.99	\$1,348.86	\$784.77	\$1,547.67	\$13,362.10	98,250
2LL20 09 CHEVY COLORADO FY2021	\$285.79	\$570.28	\$938.67	\$486.11	\$305.90	\$749.80	\$842.88	\$661.75	\$741.45	\$294.31	\$5,876.94	108,232
2LL21 10 FORD RANGER EXT CAB	\$32.29	\$48.43	\$0.00	\$42.52	\$493.43	\$107.24	\$1,105.54	\$615.06	\$892.37	\$3,948.68	\$7,285.56	88,594
2LL24 11 FORD F250 FY2022		\$126.96	\$143.05	\$1,159.68	\$1,238.79	\$214.60	\$1,865.72	\$2,076.85	\$1,895.05	\$2,393.62	\$11,114.32	108,587
2LL25 12 CHEVY COLORADO TRUCK			\$149.80	\$72.97	\$705.00	\$0.00	\$973.23	\$658.24	\$288.00	\$61.18	\$2,908.42	92,400
2LL26 12 F-350 SUPER CAB			\$0.00	\$424.15	\$2,203.95	\$338.25	\$1,765.52	\$3,193.78	\$4,729.19	\$5,838.49	\$18,493.33	134,851
2LL27 12 CHEVY COLO EXT CAB 4X4				\$87.06	\$49.44	\$120.94	\$246.28	\$997.12	\$2,278.74	\$929.12	\$4,708.70	91,933
2LL29 13 RAM 1500 QUAD CAB 4X4 FY 2022				\$223.21	\$871.77	\$565.00	\$168.79	\$140.37	\$0.00	\$0.00	\$1,969.14	160,926
2LL30 2017 RAM DJ7L91 CREW CAB								\$0.00	\$83.27	\$0.00	\$83.27	36,909
2LL31 2018 RAM 1500									\$67.99	\$1,058.34	\$1,126.33	53,412
2LL32 2019 Dodge 1500										\$0.00	\$0.00	40,732
2LL33 2019 FORD F250 CREW 4x4										\$494.62	\$494.62	31,026
2RA04 06 MACK TRUCK TRACTOR	\$538.47	\$100.00	\$6,914.80	\$508.50	\$508.50	\$318.63	\$0.00	\$0.00	\$0.00	\$0.00	\$8,888.90	77,168
2TA13 10 FORD F350 CC FY 2022	\$1,429.66	\$1,972.87	\$3,386.29	\$124.20	\$2,502.28	\$2,199.99	\$3,233.82	\$10,854.21	\$3,514.99	\$23,185.83	\$52,404.14	145,725
2TA14 17 FORD F450RC 4X4								\$36.11	\$78.77	\$3,467.70	\$3,582.58	43,437
2TA15 2018 Ford F350										\$39.95	\$39.95	23,472
2VA03 10 CHRYSLER VAN	\$61.54	\$82.42	\$100.96	\$0.00	\$66.27	100.59	979.66	0	0	0	\$311.19	89,982
	\$2,958.77	\$3,689.57	\$31,655.79	\$12,859.72	\$27,836.72	\$10,853.23	\$39,379.50	\$24,657.60	\$20,659.55	\$50,476.11	\$219,895.02	

 ~Before vehicle was purchased

UPDATED
4.27.20

MEMORANDUM

TO: Fiscal Year 2021 Equipment Committee

FROM: Bill Warren, Operations, Maintenance and Park Superintendent

DATE: April 29, 2020

RE: Name Brand Request "Caterpillar" Rubber Tire Loader

I am requesting a name brand State Contract Caterpillar 938 M Rubber Tire Loader. Staff and management believe it is in the best interest of the District to purchase the brand of Caterpillar Rubber Tire Loader for the following reasons:

1. The District currently owns several pieces of Caterpillar heavy equipment. This equipment has performed outstandingly with minimal maintenance.
2. All components of said equipment are Caterpillar parts, which is essential for sound operation and performance.
3. The Caterpillar equipment seems to perform best with the terrain in which the equipment is used. Just as with the John Deere tractors and Mack truck that the Board has approved name branding in the past, the Caterpillar equipment operates most efficiently and safely in our field conditions.
4. The District has used other heavy equipment brands in the past and incurred excessive maintenance and repair cost in everyday use.
5. Douglas County and the City of Omaha use the Nebraska State Contract from Caterpillar.

I recommend a name brand purchase of a 2021 Caterpillar Tire Loader to replace our current 2005 Case 621-D Tire Loader which will be traded in.

IT Department Equipment Replacement Policy

Equipment category	Planned replacement lifetime (years)
Servers	3
Desktops	3
Laptops	3
Network equipment	5
Storage	5
Printers	As needed
Tablets	As needed
Phones	When most economical

These life cycles were selected to minimize equipment issues and productivity loss due to downtime. Equipment is purchased with a warranty equal to their planned replacement.