

MEMORANDUM

TO: Programs, Projects & Operations Subcommittee
FROM: Nicole Gust, Purchasing Agent
DATE: May 3, 2019
RE: FY 2020 Equipment Requirements

Attached is a chart of equipment items identified for purchase/replacement in FY 2020. 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 2019 total equipment budget was \$348,916. The FY 2020 equipment budget request is \$376,427/\$364,236.

Management recommends that the Subcommittee recommend to the Board of Directors to approve the FY 2020 Equipment Requirements subject to the FY 2020 Budget as listed in this memo.

Attachments:

FY 20 Equipment Requirements List
Equipment Budget Comparison
Vehicle Maintenance Comparisons
CAT Name Brand Memo

F.Y. 2020 Equipment Requirements List Worksheet

Item Description	Cost	Justification/Indicative Data
Account #01-01-000-4802 Machinery & Equipment		
Aerial photo and video equipment and training	\$5,000	Used for events such as the recent flooding as well as for Information and Education purposes
Power Washer	\$5,600	Dakota County Shop
Rovver X Video Pipe Inspection Equipment	\$38,466	2nd of three annual payments
GPS Survey Unit Replacement	\$25,000	Replacing 15-year old unit which will soon be unsupported
S2020 Cat 12 M 3 AWD motor grader (name brand memo)	(\$238,730) State Contract Price 4 payments - <u>\$67,161</u> or 5 Payments - <u>\$54,970</u>	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)
2020 Flex Wing rotary mower	\$12,250	Used on 100 miles of levees, 40 PL-566 structures in Sarpy, Douglas and Washington Counties. Replacing 2011 Rhino mower (9JS26)
Annual trade for Bobcat T590 Track Skid Loader	\$6,950	Used for Operations and Maintenance and Park Maintenance - Trade in
CAT 257D Skid Loader (2)	\$11,000 Annual Lease	One used exclusively at Kramper Lake and one used on various northern structures and rural water main repairs. Lease budgeted in account 590 – Maintenance, Dams - Equipment Rental
CAT 305E2CR Hydraulic Excavator	\$5,500 Annual Lease	Used on various northern structures and rural water main repairs. Lease budgeted in account 590 – Maintenance, Dams - Equipment Rental
Total FY 20 Machine/Equip	\$160,427 – with 4 payments on CAT \$148,236 – with 5 payments on CAT (w/o lease equipment from account 590)	FY 19 Budget \$93,450
Account #01-01-000-4803 Automobiles and Trucks		
2020 Full Size Chassis Cab 4WD 1 ¼ Ton Pickup Truck with Flatbed	\$40,000	With trade-in of 2002 Ford Flatbed with 116,018 EOY and over \$34,000 in current maintenance (2GA01)
One Ton Chassis to keep up	\$40,000	With trade-in of 2012 Ford F250 Flatbed with

with higher demands and larger tow capacities. With a 9ft service body with a gooseneck hitch		159,784 EOY miles (2GA4)
Mid-size extended cab with tool box	\$35,000	With trade-in of 2013 Ram 1500 4x4 with 144,530 EOY miles (2LL28) ***Will be reimbursed by Rural Water***
Total FY 20 Vehicles	\$80,000 (after Rural Water reimbursement)	FY 19 Budget \$125,000
Account #01-01-000-4804 Office Equipment		
Replace Servers (3)	\$45,000	Going out of warranty – up for replacement These servers provide roughly 80% of all our computing services
Replace Desktops (20)	\$26,000	Going out of warranty – up for replacement
Replace Omaha Backup Server	\$7,000	Going out of warranty – up for replacement
Replace Blair Backup Server	\$6,000	Going out of warranty – up for replacement
Parts/Printers/Tablets	\$10,000	Annual Purchase
Director Equipment	\$5,000	Annual Purchase
Board Room Upgrades	\$37,000	Miscellaneous Projects
Total FY 20 Office Equip	\$136,000	FY 19 Budget \$130,466
Total FY 20 Equipment Request	\$376,427 w/4 \$364,236 w/5	Total FY 19 Budget \$348,916

Thurston/Dakota County
Operations & Maintenance
Survey
IT

Equipment Budget Comparisons FY 2014 – FY 2020

Budget	2014	2015	2016	2017	2018	2019	2020
4802-Machinery & Equipment	\$265,445	\$157,698	\$85,662	\$202,021	\$142,143	\$93,450	\$160,427 w/4 or \$148,236 w/5
4803-Autos & Trucks	\$0	\$0	\$77,000	\$85,000	\$99,000	\$125,000 <small>Excluding RW</small>	\$80,000 <small>Excluding RW</small>
4804-Office Equipment	\$72,953	\$124,000	\$135,600	\$62,000	\$114,000	\$130,466	\$136,000
Total	\$338,398	\$281,698	\$298,222	\$349,021	\$355,143	\$348,916	\$376,427 w/4 Or \$364,236 w/5

Vehicle Maintenance Comparisons

VEHICLE	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	TOTAL VM	19 EOY MILES
1CA12 11 Chevy Equinox			\$93.93	\$788.16	\$1,565.25	\$127.48	\$237.01	\$510.00	\$893.87	\$213.30	\$4,429.00	116,403
1CA14 16 CHEVY EQUINOX									\$101.90	\$0.00	\$101.90	50,326
1CA15 18 JEEP GRAND CHEROKEE (JW)										\$16.45	\$16.45	59,908
1CA16 18 JEEP GRAND CHEROKEE (MJP)										\$74.87	\$74.87	20,200
2EA07 02 FORD 4X4 DUMP BED	\$0.00	\$0.00	\$0.00	\$3,213.40	\$1,321.42	\$5,472.68	\$385.33	\$633.43	\$1,057.10	\$1,099.49	\$13,182.85	106,860
2EA08 07 MACK DUMP TRK	\$0.00	\$310.85	\$603.68	\$16,365.02	\$5,256.44	\$12,378.12	\$0.00	\$22,749.10	\$2,618.29	\$3,824.72	\$64,106.22	323,841
2EA09 2013 MACK DUMP TRK					\$1,943.63	\$329.23	\$829.14	\$382.54	\$399.86	\$76.13	\$3,960.53	122,496
2GA01 2002 FORD LIGHT FLAT BED	\$714.75	\$5,363.37	\$7,138.77	\$2,370.40	\$727.37	\$3,311.90	\$4,807.25	\$4,972.44	\$835.30	\$3,854.23	\$34,095.78	116,018
2GA04 2012 FORD F250 FLTBD TRK				\$74.50	\$160.97	\$965.22	\$304.68	\$75.97	\$0.00	\$87.78	\$1,669.12	159,784
2LL18 08 FORD RANGER	\$74.77	\$300.17	\$184.93	\$443.80	\$1,209.83	\$711.36	\$4,923.72	\$1,906.99	\$1,348.86	\$784.77	\$11,889.20	89,388
2LL20 09 CHEVY COLORADO	\$665.60	\$285.79	\$570.28	\$938.67	\$486.11	\$305.90	\$749.80	\$842.88	\$661.75	\$741.45	\$6,248.23	97,384
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	\$3,336.88	71,316
2LL24 11 FORD F250			\$126.96	\$143.05	\$1,159.68	\$1,238.79	\$214.60	\$1,865.72	\$2,076.85	\$1,895.05	\$8,720.70	116,036
2LL25 12 CHEVY COLORADO TRUCK				\$149.80	\$72.97	\$705.00	\$0.00	\$973.23	\$658.24	\$288.00	\$2,847.24	97,291
2LL26 12 F-350 SUPER CAB				\$0.00	\$424.15	\$2,203.95	\$338.25	\$1,765.52	\$3,193.78	\$4,729.19	\$12,654.84	118,996
2LL27 12 CHEVY COLO EXT CAB 4X4					\$87.06	\$49.44	\$120.94	\$246.28	\$997.12	\$2,278.74	\$3,779.58	81,474
2LL28 13 RAM 1500 QUAD CAB 4X4					\$257.02	\$1,173.16	\$765.09	\$1,210.34	\$352.19	\$1,300.14	\$5,057.94	144,530
2LL29 13 RAM 1500 QUAD CAB 4X4 -					\$223.21	\$871.77	\$565.00	\$168.79	\$140.37	\$0.00	\$1,969.14	146,107
2LL30 2017 RAM DJ7L91 CREW CAB									\$0.00	\$83.27	\$83.27	114,428
2LL31 2018 RAM 1500										\$67.99	\$67.99	29,573
2LL32 2019 DODGE RAM 1500 QUAD											\$0.00	20,000
2LL33 2019 FORD F250 CREW 4x4											\$0.00	14,000
2RA04 06 MACK TRUCK TRACTOR	\$0.00	\$538.47	\$100.00	\$6,914.80	\$508.50	\$508.50	\$318.63	\$0.00	\$0.00	\$0.00	\$8,888.90	78,703
2TA13 10 FORD F350 CC		\$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	\$29,218.31	131,982
2TA14 17 FORDF450RC 4X4									\$36.11	\$78.77	\$114.88	10,466
2VA03 10 CHRYSLER VAN		\$61.54	\$82.42	\$100.96	\$0.00	\$66.27	100.59	979.66	0	0	\$311.19	76,375
	\$1,455.12	\$8,322.14	\$10,828.34	\$34,100.69	\$14,005.08	\$33,287.00	\$16,730.25	\$45,638.25	\$25,845.09		\$212,294.11	
			~Before vehicle was purchased									UPDATED 4.29.19

MEMORANDUM

TO: Fiscal Year 2020 Equipment Committee
FROM: Bill Warren, Operations, Maintenance and Park Superintendent
DATE: April 26, 2019
RE: Name Brand Request "Caterpillar" Motor Grader

I am requesting a name brand State Contract Caterpillar Motor Grader 12M 3 AWD. Staff and management believe it is in the best interest of the District to purchase the brand of Caterpillar Motor Grader for the following reasons:

1. The District currently owns six (6) pieces of Caterpillar heavy equipment. Dozer, track loader, scraper, compactor, long reach backhoe and 6x6 off road truck. 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 2020 Caterpillar motor grader to replace our current 1999 John Deere 772-CH which will be traded in.