



City of Grand Island

Tuesday, July 17, 2018

Study Session

Item -3

Discussion on Capital Equipment Request: General Fund

Staff Contact: Marlan Ferguson, William Clingman

PUBLIC WORKS ENGINEERING VEHICLE INVENTORY

July 12th, 2018

Unit Name	303 2001 Dodge Ram 1500 4dr Quad Cab 139" WB	308 2002 Chevrolet Impala 4dr Sdn	310 2004 Chevrolet Silverado 1500 Ext Cab 143.5" WB Work Truck	304 2008 Ford Super Duty F-250 SRW 4WD SuperCab 142" XL	301 2010 Ford F-150 4WD SuperCab 145" XL	309 2015 Chevrolet Traverse AWD 4dr LS
Generic Color	Maroon	Gold	Tan	Maroon	Red	Blue
Current Mileage	79122	Not Available (95105 on 05/23//18)	48375	31632	23414	20706
VIN	1B7HC13YX1J201868	2G1WF52E629231436	1GCEC19V54Z250465	1FTSX215X8ED45321	1FTEX1E80AKA20695	1GNKVFED3FJ276207
MFR Model Code	BE1L33	1WF19	CC15753	X21	X1E	CV14526
Body Type	Standard Bed	4dr Car	Standard Bed	Standard Bed	Standard Bed	Sport Utility
Pass Doors	4	4	2	2	2	4
Exterior Color	Dark Garnet Red Pearl	Sandrift Metallic	Sandstone Metallic	Dark Toreador Red	Vermillion Red Red E4	Blue Velvet Metallic
Color Code	PRV	49U	15U	JM	E4	G1M
Alternative Name	2WD Quad Cab 6.5 Ft Box		2WD Extended Cab Standard Box Work Truck	4WD SuperCab 6-3/4 Ft Box XL	4WD SuperCab 6-1/2 Ft Box XL	AWD LS
Alternative Body	Crew Cab Pickup - Short Bed	4dr Car	Extended Cab Pickup - Short Bed	Extended Cab Pickup - Standard Bed	Extended Cab Pickup - Standard Bed	Sport Utility
Drivetrain	Rear Wheel Drive	Front Wheel Drive	Rear Wheel Drive	Four Wheel Drive	Four Wheel Drive	All Wheel Drive
Engine Type	8 Cylinder Engine	V6 Cylinder Engine	8 Cylinder Engine	8 Cylinder Engine	8 Cylinder Engine	V6 Cylinder Engine
Displacement L/Ci	5.2/318	3.4/205	4.8/293	5.4/330	4.6/281	3.6/217
Fuel Type	Gasoline Fuel	Gasoline Fuel	Gasoline Fuel	Gasoline Fuel	Gasoline Fuel	Gasoline Fuel
Horsepower	230.0 @ 4400	180.0 @ 5200	285.0 @ 5600	300.0 @ 5000	292.0 @ 5700	281.0 @ 6300
Fuel Economy	13.0 City / 18.0 Highway	21.0 City / 32.0 Highway	17.0 City / 20.0 Highway	0.0 City / 0.0 Highway	14.0 City / 20.0 Highway	16.0 City / 23.0 Highway
Fuel Capacity	26.0 / 35.0 gal	17.0 gal	26.0 gal	30.0 / 38.0 gal	36.0 gal	22.0 gal
Net Torque	300.0 @ 3200	205.0 @ 4000	295.0 @ 400	365.0 @ 3750	320.0 @ 4000	266.0 @ 3400
10 Year Replacement	164%	150%	129%	100%	90%	72%
Original MSRP	\$21,045.00	\$20,325.00	\$23,600.00	\$28,000.00	\$29,030.00	\$32,995.00
Invoice	\$18,729.00	\$18,597.38	\$20,650.00	\$26,060.00	\$26,994.00	\$31,675.21
Destination Charge	\$715.00	\$635.00	\$850.00	\$950.00	\$975.00	\$875.00
2018 Service Costs	\$43.23	\$1,263.14	\$133.85	\$130.05	\$0.00	\$206.09
2017 Service Costs	\$90.37	\$349.42	\$620.75	\$676.91	\$1,523.02	\$216.91

Budget Year	Current Vehicle Replaement Vehicle	Current 2018 State Bid Price	Future Model Year Price
2020	2001 Dodge Ram 1500 - 303 Current Production Year 1/2 Ton Extended Cab 4w4 4 Door Truck	\$ 30,367.00	\$ 32,216.35
2021	2002 Chevrolet Impala - 308 Current Production Year Intermediate 4 Door Sedan Flex Fuel Vehicle E85	\$ 20,429.00	\$ 22,323.32
2022	2004 Chevrolet Silverado - 310 Current Production Year 1/2 Ton Extended Cab 4w4 4 Door Truck	\$ 30,367.00	\$ 34,178.33
2023	2008 Ford Super Duty F-250 - 304 Current Production Year 1/2 Ton Extended Cab 4w4 4 Door Truck	\$ 30,367.00	\$ 35,203.68
2025	2010 Ford F-150 - 301 Current Production Year 1/2 Ton Extended Cab 4w4 4 Door Truck	\$ 30,367.00	\$ 37,347.58
2030	2015 Chevrolet Traverse - 309 Current Production Year Large Sport Utility 7 Passenger Flex Fuel Vehicle E85	\$ 27,652.00	\$ 39,425.14

**Streets Division Equipment
10-Year Replacement Budget**

Statistics updated 5/22/2018

					Fiscal Year										
					2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2023 - 2024	2024 - 2025	2025 - 2026	2026 - 2027	2027 - 2028	
1/2 Ton Pick-Up Truck					Budget Total for Class	-	30,000	-	32,000	-	35,000	-	37,000	-	39,000
Description	Unit	Year	Replacement Year	Notes											
Extended Cab, 4x4	201	1999	2009			30,000									
*Regular Cab	210	1999	2009	replaced this FY, new truck just delivered											
Regular Cab	207	2004	2014				32,000								
Regular Cab	215	2007	2017						35,000						
Extended Cab, 4x4	204	2008	2018									37,000			
Regular Cab	202	2013	2023												39,000
Extended Cab, 4x4	209	2015	2025												
Extended Cab, 4x4	206	2016	2026												
3/4 Ton -1 Ton Pick-Up Truck					Budget Total for Class	-	-	40,000	-	60,000	-	50,000	-	-	-
Description	Unit	Year	Replacement Year	Notes											
Tack Truck	250	2001	2011	converted to full-time tack truck in 2018							50,000				
Regular Cab, 4x4	214	2006	2016			40,000									
Crew Cab, Utilitiy Body	216	2013	2023						60,000						
Utility Trucks > 1 Ton					Budget Total for Class	130,000	-	-	145,000	-	65,000	-	-	150,000	-
Description	Unit	Year	Replacement Year	Notes											
Platform Aerial Lift	213	1995	2010					145,000							
Sign bucket truck	212	1999	2014		130,000										
Flatbed	205	2002	2017						65,000						
Signal bucket truck	203	2016	2031										150,000		
Flatbed	208	2017	2032												
Dump Truck 15-25K					Budget Total for Class	-	80,000	-	80,000	-	-	80,000	80,000	-	80,000
Description	Unit	Year	Replacement Year	Notes											
FT Salt Truck	211	2002	2022	recently converted to FT salt truck				80,000							
Flatbed	218	2002	2022			80,000									
FT Salt Truck	226	2003	2023							80,000					
FT Salt Truck	227	2006	2026									80,000			
Dump Body	220	2007	2027												80,000
Dump Body/ PT Salt Truck	219	2017	2037												

Streets Division Equipment
10-Year Replacement Budget
 Statistics updated 5/22/2018

Fiscal Year									
2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2023 - 2024	2024 - 2025	2025 - 2026	2026 - 2027	2027 - 2028

Dump Truck 25-35K					Budget Total for Class									
					-	100,000	105,000	-	-	110,000	-	115,000	-	120,000
Description	Unit	Year	Replacement Year	Notes										
Dump Truck 10 CY	221	2001	2016			100,000								
Dump Truck 10 CY	228	2001	2016				105,000							
Dump Truck 10 CY	229	2003	2018						110,000					
Dump Truck 10 CY	223	2006	2021								115,000			
Dump Truck 10 CY	222	2008	2023											120,000
Dump Truck 10 CY	224	2008	2023											
Dump Truck 10 CY	225	2010	2025											
Dump Truck 10 CY	217	2013	2028											

Street Sweeper					Budget Total for Class									
					195,000	-	-	210,000	-	-	225,000	-	-	235,000
Description	Unit	Year	Replacement Year	Notes										
Street Sweeper	243	2000	2010		195,000									
Street Sweeper	246	2003	2013				210,000							
Street Sweeper	244	2009	2019							225,000				
Street Sweeper	242	2015	2025											235,000

Loader/Backhoe					Budget Total for Class									
					190,000	-	200,000	-	215,000	-	-	150,000	-	-
Description	Unit	Year	Replacement Year	Notes										
FE Loader	236	2005	2015		190,000									
FE Loader	235	2011	2021				200,000							
FE Loader	238	2014	2024					215,000						
Backhoe	248	2016	2026									150,000		

Motor Grader					Budget Total for Class									
					45,723	270,723	45,723	-	-	250,000	-	-	275,000	-
Description	Unit	Year	Replacement Year	Notes										
Motor Grader	230	1975	1995			225,000								
Motor Grader	232	1980	2000						250,000					
Motor Grader	231	2002	2022										275,000	
Motor Grader	234	2016	2036		45,723	45,723	45,723							

Skid Steer					Budget Total for Class									
					16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000
Description	Unit	Year	Replacement Year	Notes										
T595, Tracks	233	2018	Each	Annual Buyback Program	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
T650, Tracks	237	2018	Each	Annual Buyback Program	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000

Streets Division Equipment
10-Year Replacement Budget
 Statistics updated 5/22/2018

Fiscal Year									
2018 - 2019	2019 - 2020	2020 - 2021	2021 - 2022	2022 - 2023	2023 - 2024	2024 - 2025	2025 - 2026	2026 - 2027	2027 - 2028

Farm Tractor					8 years	Budget Total for Class		42,266	42,266	42,266	45,000	-	30,000	45,000	45,000	45,000	45,000
Description	Unit	Year	Replacement Year	Notes													
NH T6-155	249	1999	2007					45,000									
NH T6-155	245	2017	2025		14,089	14,089	14,089			10,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
JD 5210	247	2017	2025		14,089	14,089	14,089			10,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
NH T6-155	251	2017	2025		14,089	14,089	14,089			10,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000

Stand Alone > \$200,000					varies	Budget Total for Class		10,000	40,000	40,000	40,000	190,000	40,000	10,000	42,000	42,000	42,000
Description	Unit	Year	Replacement Year	Notes													
Vactor	241	2014	2019	replace every 5 to 6 years	10,000	40,000	40,000	40,000	40,000	40,000	10,000	42,000	42,000	42,000	42,000	42,000	42,000
Gradeall	239	1991	2022	need to purchased used					150,000								

Stand Alone < \$200,000					Budget Total for Class		25,000	20,000	30,000	35,000	35,000	25,000	160,000	35,000	20,000	20,000
Description	Unit	Year	Replacement Year	Notes												
Bart Mill	259	1997	2012									125,000				
Snow Heaver	291	1998	2013		10,000	20,000	20,000	20,000	20,000							
Air Compressor	262	2000	2015													
Forklift	286	2001	2016													
Air Compressor	260	2004	2019													
Dynapac CC122	253	2005	2020													
GrindLazer 480	264	2013	2028													
Snow Heaver	290	2013	2028							10,000	20,000	20,000	20,000	20,000	20,000	20,000
Asphalt Zipper	240	2013	2028				10,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000
Air Compressor	263	2016	2031													
Crack Seal Machine	255	2016	2031													
Mastic Machine	258	2016	2031													
Dynapac CC1300	254	2017	2032													
Other, Attachments	snow plows, vee plows, snow gates, mower decks, etc.				15,000		15,000		15,000		15,000		15,000		15,000	

Streets Equipment Budget Total					653,989	628,989	518,989	635,000	516,000	606,000	586,000	557,000	548,000	636,000
---------------------------------------	--	--	--	--	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------	----------------

Department	Description	Amounts
EMERGENCY MGMT	New Building Equipment, Systems & Furniture	\$ 155,000.00
EMERGENCY MGMT	Phoenix	\$ 50,000.00
EMERGENCY MGMT Total		\$ 205,000.00
FIRE	Station #4 relocation/replacement fund	\$ 200,000.00
FIRE	Two ambulance cots and two power load systems	\$ 85,000.00
FIRE	Phoenix Dispatch System - automated dispatch software and hardware for each station	\$ 200,000.00
FIRE	Emergency generator for fire station #3	\$ 27,000.00
FIRE Total		\$ 512,000.00
LIBRARY	Library Equipment	\$ 15,000.00
LIBRARY Total		\$ 15,000.00
PARKS AND REC	Cemetery - Loader for Tractor	\$ 10,000.00
PARKS AND REC	Golf - Mower	\$ 36,000.00
PARKS AND REC	Golf - Two Utility Vehicle	\$ 34,000.00
PARKS AND REC	Parks - Two 72" Mowers	\$ 72,000.00
PARKS AND REC	Parks - Mini Exavator	\$ 30,000.00
PARKS AND REC	Parks - Skid Loader	\$ 80,000.00
PARKS AND REC	Parks - 128" Mower	\$ 65,000.00
PARKS AND REC	HPSP - Mower	\$ 20,000.00
PARKS AND REC	HPSP - Articulated Loader	\$ 70,000.00
PARKS AND REC	HPSP - 15 New Golf Cars	\$ 75,000.00
PARKS AND REC	Cemetery - 3/4 ton truck	\$ 45,000.00
PARKS AND REC	Parks - 1/2 Ton Pickup	\$ 32,000.00
PARKS AND REC Total		\$ 569,000.00
POLICE	Four Ford Explorer SUV's for Patrol Division	\$ 121,000.00
POLICE Total		\$ 121,000.00
STREETS	Skid Steer LoaderT595 (buy back program) - Replacement	\$ 6,000.00
STREETS	Skid Steer Loader, T650 (buy back program) - Replacement	\$ 10,000.00
STREETS	2019 Snow Heaver, Front-End Loader Mounted (downpayment) - Replacement	\$ 10,000.00
STREETS	Tractors, 90hp (3) (payment 2 of 4) - Existing	\$ 42,266.00
STREETS	Motorgrader (payment 3 of 5) - Existing	\$ 45,723.00
STREETS	Street Sweeper - Replacement	\$ 195,000.00
STREETS	Front-End Loader- Replacement	\$ 190,000.00
STREETS	Snow Gate for Motor Grader (2) - New	\$ 15,000.00
STREETS	Sewer Combo Unit (downpayment) - Replacement	\$ 10,000.00
STREETS	Bucket Truck for Traffic Sign - Replacements	\$ 130,000.00
STREETS Total		\$ 653,989.00
Grand Total		\$ 2,075,989.00