# Ivins City Staff Report
# City Council Meeting 11/18/21

Agenda Item: Approve expenditure for purchase of new street sweeper

Submitted by: Charles Gillette, P.E. Public Works Dir/City Engineer

**Recommended City Council Action: Approve expenditure of $285,795 for the purchase of the Bucher Municipal Sweeper.**

**BACKGROUND:**
Street cleaning is one of the most visible of all municipal activities and fair or not, residents may base opinions of the City's effectiveness on its ability to keep the streets clean. Street sweeping is one of the main ways we keep the streets and gutter clean.

It also keeps dirt, oils and contaminants out of the storm drains which go untreated to our washes and rivers. Thus, it is a required activity mandated by state and federal clean water laws. It is also important to keeping the roads safe, especially for motorcycles and bicycles that can lose balance or stopping ability on dirty surfaces.

We currently have a goal to sweep all major collectors and arterials once per week and all streets once per month. We learned how important street sweeping was when last year our current sweeper was broken down and due to a problem with acquiring parts, it took five months to get it back operational.

**FINDINGS AND ANALYSIS:**
We had originally planned to purchase a new sweeper last fiscal year, but postponed the purchase to help with providing enough funds for the new City Hall. There are two main street sweeper manufacturers. The City requested quotes from these two providers based on the City's specifications and the quotes were given as follows:

Bucher Municipal (Local Dealer Cate Equipment) - $285,795 <- Staff Recommends
Elgin Sweeper (Local Dealer Owen Equipment) - $282,109

Shiloh Pentz, Assistant Public Work Director and equipment specialist visited Grantsville Utah to test this style of an Elgin Sweeper and North Olmsted, Ohio to test this style of a Bucher Sweeper.

Staff recommends purchasing the Bucher Sweeper despite a slightly higher cost for the following reasons.

The Bucher sweeper does provide upgraded stainless steel hopper and water tank and with it provides a lifetime warranty for these parts of the machine which provides some extra value. The Bucher also provides a 300 HP engine versus the Elgin which only provides a 200 HP engine.

The last two sweepers owned by the City were Elgin Sweepers. The current Elgin sweeper is nine years old and is starting to show significant wear as evidenced by the major required maintenance last year. The previous sweeper before it only lasted eight years before it needed replacement. We know of two municipalities with the Bucher sweeper that have been able to keep it in good service for 20 years, one of which is our neighboring city Santa Clara.

It is proposed that the City keeps the existing Elgin Sweeper as a backup to the new sweeper for those times when the machine requires maintenance.

**SUPPORT MATERIALS:**

- Quote from Cate Equipment
- Quote from Owen Equipment

**FINANCIAL IMPACT:**

The current budget approved by Council estimated $335,000 for this purchase using the following GL codes:

| | |
|---|---|
| Water Fund, 51.42740: | 15% |
| Streets Fund, 10.60740: | 70% |
| Sewer Fund, 52.42740: | 7.5% |
| Storm Drain Fund, 53.43740: | 7.5% |

Respectfully Submitted: Charles Gillette, Public Works Dir/City Engineer

Content Review: Dale Coulam, City Manager

# Cate Equipment Company

Construction, Mining & Industrial Equipment
2055 South Pioneer Road
Salt Lake City, UT 84104
(801) 973-2900


Ivins City
ATTN: Shiloh Pentz
435.680.1089
spentz@ivins.com

Quote Date: 11/3/2021
Expiration: 11/30/2021
Customer #: 09099

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Shiloh,

Cate Equipment Company is pleased to present the following budgetary quote for your consideration:

**New 2022 V65h Sweeper Truck**

*All new V65h models include the following:*

Stainless Steel Cowling with soundproof liner, completely covered and sealed auxiliary engine compartment, 10" inside diameter vacuum hose with straight inlet design, electric over hydraulic hopper lift system, molded composite 50 gallon auxiliary engine fuel tank w/ locking cap, 8.5 cubic yard stainless steel hopper with lifetime warranty, 55 degree dump, 2 hopper drain ports, 2 side mount hopper access doors, 2 built-in side storage lockers, 415 gallon stainless steel water tank w/ lifetime warranty, remote ground lever drains (engine, hydraulic, gearbox oil, coolant), 4 gutter broom spray jets, bumper-mount wide sweep water spray bar, 4 internal water spray jets at each vacuum nozzle, remote grease zerk for wide sweep pivot, handheld pendant wide sweep broom down pressure control, handheld pendant dump controls, IP65 dustproof electrical wiring, IP67 waterproof electrical wiring, in-cab integrated sweeper controls w/ data capture, stainless steel hopper screens, LED indicators on solenoid plugs, step-up gearbox-driven vacuum fan via fluid coupler, coolant/oil pressure shutdown system, in-cab vacuum nozzle tilt system, 28" diameter trailing arm design gutter brooms with LED work lights, 16" X 50" wide sweep broom, "unhanded" suction nozzle and gutter broom assemblies, in-cab gutter broom speed control and down-pressure control, master sweep control switch to start/stop all sweep functions, 20 gallon hydraulic oil tank, 60" X 12" catwalk, 125 micron and 25 micron return hydraulic filters, hopper and water tank interconnect, automatic safety body prop with hands-free release, 25' hydrant hose with coupling and wrench, centralized weatherproof systems locker with LED strip light, 25' washdown hose, 2 rear-mount LED safety strobes with limb guards, two-part epoxy white factory paint.

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| **BUCHER** municipal | **Model V65h** |
|---|---|
| Single Right-Hand Gutter Broom with Pneumatic Flaps | Yes |
| Hydrostatic Powered Machine Heavy Duty Gearbox (HGB2-VS) | Yes |
| Single Gutter Broom In-Cab Tilt Control | Yes |
| Single Gutter Broom In-Cab Lateral Control | Yes |
| Pneumatic Screen Vibrator | Yes |
| EZ Clean Hopper Body Flush | Yes |
| Catch Basin Powaboom 8" diameter with Extensions | No |
| Supawash w/ handlance, wide sweep & nozzle spray bars | Yes |
| Split Arrow Stick (LED) | Yes |
| Single Rear Vision Camera | Yes |
| Complete Graco® Autolube System | Yes |
| 2022 Freightliner M2 Conventional Chassis<br>Cummins B6.7 300 HP Engine w/ EPA GHG17 | Yes |
| 2022 Freightliner<br>OEM Sports Chassis Dualization Package | Yes |
| Warranty: Sweeper Body | 2 Years |
| Warranty: Stainless Steel Hopper (8.5 cubic yards) | Lifetime |
| Warranty: Stainless Steel Water Tank (415 gallons) | Lifetime |
| 1/2 Day Onsite Training | Included |
| TOTAL PRICE, DELIVERED | $ 285,795 |

Current estimated lead time is approx. 6 months ARO, but is subject to change based on chassis availability.

Please contact me directly with any questions or additional needs.

Thanks again,

Nathan Longhurst
Territory Manager

**ELGIN WHIRLWIND 1 SINGLE ENGINE PURE VACUUM SWEEPER:** 8.0 Cu. Yd. Hopper, **36"** Right Side Broom, Sweeper Is Powder Coated from Powder Coatings Chart 2003/N With Powder Coated Gray Undercarriage and Includes the Standard Features Listed Below, Mounted to an Elgin Stock **2022** Freightliner M2 Chassis with Dualized Steer, with Extra Leg Room:

## STANDARD FEATURES

- Alternator, 160 Amp
- Backup Alarm, Federal Signal Electric
- Blower, Steel with Rubber Lined Housing
- Brooms, Hydraulic Rotation
- Brooms, Single with Side Broom Lights for Night Operation
- Broom Measurement Ruler
- Console, W/Rocker Switches for All Sweep Functions, With Full Gauge Package Including Tachometer, Engine Hour Meter, Oil Pressure Indicator, Coolant Temperature, Voltmeter and Fuel Lever Indicator, Water Level Gauge and Warning Lights for Hopper Pressure Controls and Manual Reset Circuit Breakers
- Doors, Access Fiberglass Doors Provide Easy Service and Maintenance on, Hydraulic and Electrical System
- Electronic Throttle, Sweep Resume/Sweep Transport/Reverse Pick-Up
- Hopper Rear Door, Hydraulically Opened/Closed And locked/Unlocked with External Controls.
- Hose, Hydrant Fill, 16' 8" With Coupling
- In-Cab Hopper Dump
- LED Clearance Lights
- Lights, Rear Clearance and Rear Identification
- Sweeper Operators Manual
- Sweeper Parts Manual
- Mirrors, West Coast Type With 8" Convex Inserts, One Each Side
- Suction Nozzles Pick-Up Area 174 Square Inch With 32 Inch Suction Nozzle
- Spray Nozzles, Seven (7) In the Suction Nozzle, Three (3) At Each Side Broom, (4) In the Extension Broom
- Sweep Resume
- Hydraulic Oil Cooler
- Water Tanks, Rust Proof Polyethylene, 335 Gallon Total Capacity.
- AM/FM/WB Radio W/ CD Player, Bluetooth and Microphone, USB, Front and Rear Aux. Inputs
- Sweeper Painted Standard White
- Chassis Painted Standard White
- Red Logo
- 1 Year Parts and Labor Warranty
- 10 Years Warranty on the Water Tanks

## ADDITIONAL FEATURES

- **2022** M2 Dual Steer Chassis
- Variable Speed - Right Hand Sidebroom
- Right Hand Sidebroom Tilt with Display
- Hopper Deluge
- Rear Beacon & LED Arrowstick
- (2) Rear Bumper Mounted Strobes
- Lifeliner Hopper System: Greatly Improves the Life, Durability, And Dumping Functionality of a Sweeper Hopper. it is Backed by a *Lifetime Warranty*.
- Elgin 2nd Year Warranty on Parts/Labor (2 Years Warranty Total)
- Midwest Auto Lube Sweeper & Chassis

1220 South Legacy View Street
Salt Lake City, UT 84104

**Phone:** (801) 975-0400
**Fax:** (801) 975-7567

**TOTAL PRICE . . . . . $ 276,424.00**
Includes Delivery to Ivins City Shop
Includes Training for ONE FULL DAY with Operators by Owen Equipment's Certified Vactor Trainer

ACCEPTED BY: DATE:

Thank you,

Travis Vallejo

Travis Vallejo
Owen Equipment
801-244-1260
tvallejo@owenequipmet.com

**OPTIONS NOT INCLUDEDIN TOTAL PRICE:**

- High Pressure Wash Down . . . . . add $4,435.00 <——— include
- ~~Low Pressure Wash Down . . . . . add $1,325.00~~
- High Pressure Wash Down Hose Reel . . . . add $1,250.00 <——— include

Total with Options: $282,109.00

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