



City of Galveston

FLEET FACILITIES STAFF REPORT

October 7, 2020

Brian Maxwell, City Manager
Honorable Mayor and City Council Members

Subject: Consider for the approval allowing the Fleet Facility to purchase the listed rolling stock (one 1200 Max water recycling sewer jet/vacuum unit) and associated equipment for the Municipal Utilities Department from Houston Freightliner through HGAC Buy for a total price of \$537,051.

I. Background

- A. Funding for new equipment has been earmarked for the listed department(s).
- B. Buy Board, HGAC Buy and TPASS are cooperative purchasing organizations that the city is a member of that performs bidding packages for local governments. The Fleet Facility has performed competitive bidding packages on current equipment purchases to assure that these purchases are the better option a majority of the time.
- C. The requested vehicle is a sewer jet/vacuum machine that actually recycles the involved water which reduces waste.
- D. The extended purchase price for this package is \$537,051.
- E. Houston Freightliner is located in Houston Texas.
- F. Delivery should be within 110 days from the date that the purchase order number is issued.
- G. Additional equipment will be installed by the dealer which was noted in the specification by the requesting department.

II. Current Situation

The City Council will have to approve allowing the Fleet Facility to purchase the listed rolling stock (one water recycling sewer jet/vacuum unit) and associated equipment for the





City of Galveston

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Municipal Utilities Department from Houston Freightliner through HGAC Buy for a total price of \$537,051.

III. Alternatives in order of priority

A. City Council approves the purchase.

1. Cost - \$537,051
2. Timing - Delivery should be within 110 days.
3. Divisional Improvements - Will provide the city with needed equipment to perform duties. Newer equipment will reduce fleet operational costs and will improve operations.

B. City Council does not approve the purchase.

1. Cost - No additional cost at this time.
2. Timing - N/A
3. Divisional Improvements - City staff will not be able to function without needed equipment. Older equipment will take on a heavier load, which will increase operational costs. Operations will slow.

IV. Recommendation

Concur in Alternative A and approve allowing the Fleet Facility to purchase the listed rolling stock (one water recycling sewer jet/vacuum unit) and associated equipment for the Municipal Utilities Department from Houston Freightliner through HGAC Buy for a total price of \$537,051.

V. Fiscal Impact Report

Requested by David Smith
Executive Director

Department Head Request Trino Pedraza, Director of Municipal Utilities





City of Galveston

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Cost	\$537,051
Funding Source	Municipal Utilities Capital Account
Savings Estimation	Will help reduce unit repair costs on the older fleet vehicles and will assist with improving services.

VI. Environmental Impact

All listed vehicle(s) are produced under current EPA standards. This unit has the ability to take sewer water that has been extracted, filter it, and then return it to the system that it was pulled from.

Respectfully Submitted

David Smith
Executive Director





CONTRACT PRICING WORKSHEET
For MOTOR VEHICLES Only

Contract No.: HT06-18

Date Prepared: 9/10/2020

This Worksheet is prepared by Contractor and given to End User. If a PO is issued, both documents MUST be faxed to H-GAC @ 713-993-4548. Therefore please type or print legibly.

Buying Agency:	City of Galveston	Contractor:	Houston Freightliner
Contact Person:	Trino Pedraza	Prepared By:	Adam Neuse
Phone:	4097973683	Phone:	713-580-8148
Fax:		Fax:	713-676-1603
Email:	tpedraza@galvestontx.gov	Email:	adam.neuse@strhouston.com

Product Code:	C3	Description:	2020 Freightliner 114SD TRA
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A. Product Item Base Unit Price Per Contractor's H-GAC Contract: 89830

B. Published Options - Itemize below - Attach additional sheet(s) if necessary - Include Option Code in description if applicable.
(Note: Published Options are options which were submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
DA-F-20 20,000 LB Front Axle	2577	Air Cab Mounts	91
20,000 LB Front Suspension	1130	Stationary Grille	221
RT403 40,000 LB Rear Suspension	2241	LH/RH Electric Power Windows	164
272" Wheelbase	1580	LH/RH Electric Door Locks	74
7/16x3-9/19x11-1/8" Frame 120KSI	654	Basic High Back Air Driver Seat	159
1/4" Inner Frame Rienforcement	717	Basic High Back Air Passanger Seat	198
RH Understep Aftertreatment w/ Vert Stack	617	AM/FM Radio w/ Bluetooth	299
LH 100 Gallon Fuel Tank	308		
425/65R22.5 FR Tires	471		
11R22.5 RR Tires	255	Special Camel 1200 MAXXX Water Re-Cycling Module	435296
Subtotal From Additional Sheet(s):			
Subtotal B:			447052

C. Unpublished Options - Itemize below / attach additional sheet(s) if necessary.
(Note: Unpublished options are items which were not submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
Subtotal From Additional Sheet(s):			
Subtotal C:			0

Check: Total cost of Unpublished Options (C) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B). **For this transaction the percentage is:** 0%

D. Total Cost Before Any Applicable Trade-In / Other Allowances / Discounts (A+B+C)

Quantity Ordered:	1	X Subtotal of A + B + C:	536882	=	Subtotal D:	536882
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E. H-GAC Order Processing Charge (Amount Per Current Policy) Subtotal E: 1500

F. Trade-Ins / Special Discounts / Other Allowances / Freight / Installation / Miscellaneous Charges

Description	Cost	Description	Cost
Discount	-1331		
Subtotal F:			-1331

Delivery Date: 75-110 Days ARO **G. Total Purchase Price (D+E+F):** 537051

CAMEL 1200
12 YARD SEWER CLEANER

Featuring
Wastewater Recycling
Capability

CAMEL SAVES

WATER • TIME • MONEY

SAVE WATER!

Clean 2,500 feet of pipe a day; save 50,000 gallons of water a week.
Good for productivity. Good for the environment.

SAVE TIME!

Longer on-site performance. Clean 78% more pipe a day.
That's like adding two more days to the five day work week.

SAVE MONEY!

Saving water, saving time: Saves money.
Double your profits. Pay your unit off in months.



EXCEPTIONAL WASTEWATER RECYCLING CAPABILITY

- Unique ejector plate serves as a full body primary filter
- Self-cleaning filter system makes longer, continuous performance possible
- Hydro cyclone separator ensures life-time durability
- Industry's most advanced water pump specifically designed for efficient performance and wastewater recycling operation
- Patented Acculevel® load sensor provides operators with easy viewing of precise debris level measurement

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CAMEL® MAX SERIES
COMBINATION SEWER CLEANERS



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MAXIMUM RELIABILITY.
MAXIMUM PERFORMANCE.

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CAMEL[®]

THE MOST VERSATILE COMBO IN THE INDUSTRY

- Jet
- Vacuum
- Hydro Excavate
- Wastewater Recycle
- Dump
- Eject



OPTION

Hydro Ex Package

Adding the Hydro Ex Package to your truck will transform your Combination Sewer Cleaner into a Hydro Excavator. The package comes with (1) water handgun, (1) dig tube with nonconducting cuff, (1) urethane coated nozzle with three replaceable jets, and (5) other accessories to turn your Camel into a 3 in 1 mobile unit. Clean a sewer line in the morning and unearth utility lines in the afternoon.



 **Super Products[®]**

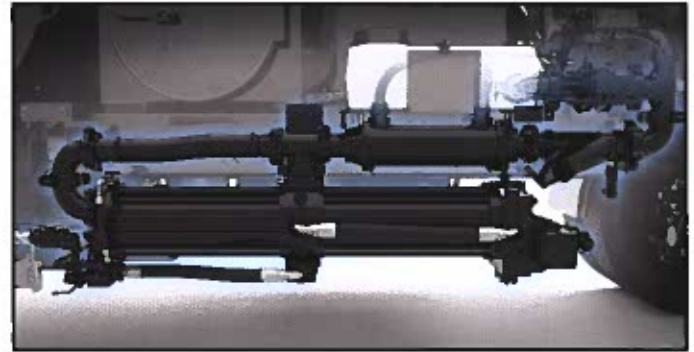
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STANDARD FEATURES

AVAILABLE ON ALL CAMELS

Highly Accomodating Front-Mounted Hose Reel

- 270° rotation, 180° rotation fully retracted
- Capable of 1000' of 1" diameter sewer hose
- Extends 18"



Advanced Water Pump

- Pressure sensing, double acting, single piston pump, powered hydraulically
- 1:1 oil to water ratio and rated design capacity of 100 gpm and 3000 psi continuously
- Does not need to be removed from chassis for service

Precision Controls

- Color digital monitor displays hose footage count and offers 20 saved settings for hose reel payout
- LED panel lights enables readability in all environments at 1000 nits
- Ability to run water pump with or without vacuum



Additional Standard Features

- Tailgate Alarm
- Body Up Alarm
- Boom Up Alarm
- Back Up Camera
- Sewer Hose Containment Shield
- Unit Self Diagnostics
- Dual Hydraulic Cooling
- Dual Accumulators
- (1) Cyclone: 44,000 in³ with Quick Release Door less than 50" off the ground
- Hot Shift Transfer Case
- Air Purge
- 1000lb Boom Lifting Capacity

OPTIONS

- Acculevel Load Sensor System
- Lighting Packages
- Hydro Ex Package
- Additional Tool Boxes
- Fully Automatic Powered Level Wind (goal post style)
- Hose Reel Tensioning
- Wireless Remote
- Winter Recirculation
- Hydrant Fill with Auto Shut Off

* Disclaimer: Product photos may include standard and/or optional features

BUILD YOUR CAMEL

1

DEBRIS CAPACITY: 9 YARD OR 12 YARD



Camel 900 / 9 Yard Debris Body

- > Length: 35' 6" (approx.)
- > Height: 11' 6" (approx.)
- > Width: 8' Body, 9' 2" with mirrors (approx.)
- > Water Capacity: 1,000 gallons
- > Unloading: Dump option only



Camel 1200 / 12 Yard Debris Body

- > Length: 38' 6" (approx.)
- > Height: 11' 6" (approx.)
- > Width: 8' Body, 9' 2" with mirrors (approx.)
- > Water Capacity: 1,500 gallons
- > Unloading: available with Dump or Eject
- > Wastewater Recycling option available (Eject only)



Single Engine Design

All Camel models feature a single engine design which offers:

- Lighter Weight
- Up to 40% Less in Fuel Use
- 15% lower operating RPM

2

UNLOADING OPTIONS: DUMP OR EJECT



DUMP UNLOADING: The dump unloading system uses a telescopic hydraulic cylinder to raise the body up to a 50° angle for unloading. The unit still maintains a low overhead height during normal operation and a low center of gravity for increased stability.

available on both **900 and 1200**

TILT EJECTION UNLOADING:

The tilt ejection unloading system provides safe and thorough removal of debris from the collector body along with more efficient cleanouts. The debris body raises to 19° angle while the ejector plate quickly pushes out debris.

ONLY available on the **1200**



OPTION

ACCULEVEL
Load Sensor System



20/20 Vision for your Camel

The Acculevel® is an innovative radar debris body level sensor that shows the true debris level. This is digitally displayed on the front mounted control panel for easy operating viewing. By monitoring this, the operator can choose to continue working, dewater or dump debris.

3

WASTEWATER RECYCLING: FILL IT ONCE & WORK ALL DAY

Super Products' wastewater recycling system enables operators to clean sewers without the use of fresh water.

SAVE
WATER

Clean 3,000 feet of pipe a day;
SAVE 60,000 GALLONS
of water a week!

SAVE
TIME



Longer onsite performance;
CLEAN 78% MORE
pipe a day!

> This equates to 2 extra work days!

ONLY
available
on the **1200**
w/Ejector

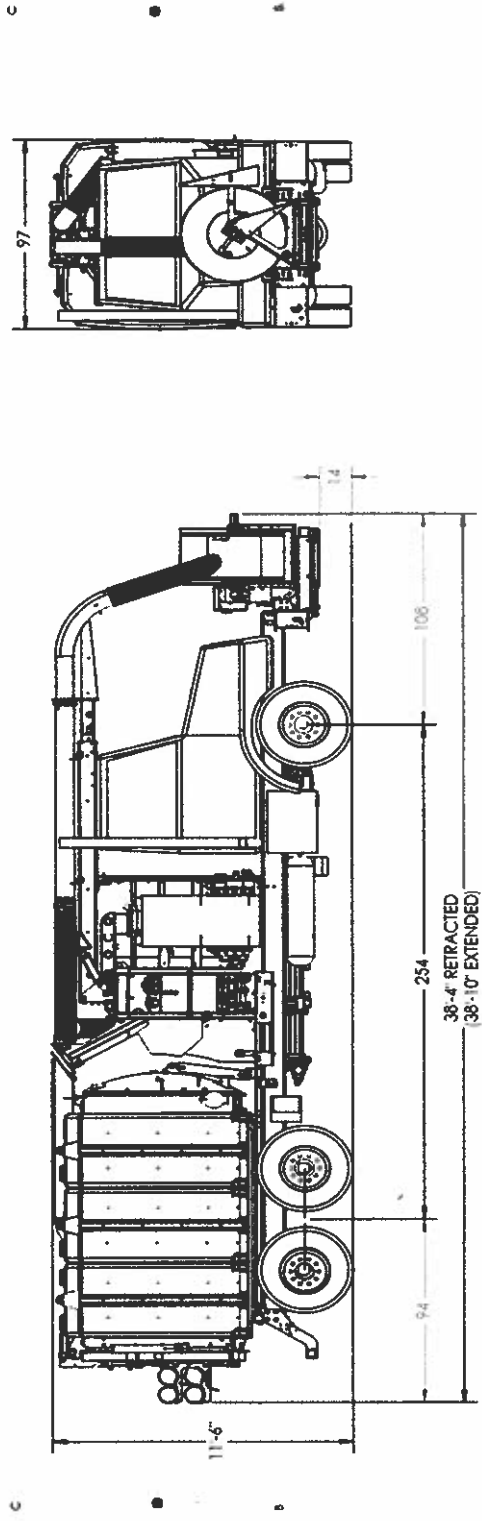


6 Stages of Wastewater Recycling

- 1. Debris Tank** - Initial separation takes place as debris enters
- 2. Ejector Plate** - Small clearances and passages allow liquids to pass to the bulkhead side, holding solids on the tailgate side
- 3. Stainless Steel Wedge Wire Filter** – Self-cleaning and oscillating
 - a. Constant low pressure spray bar uses recycled water to externally clean the screen
 - b. Intermittent high pressure spray bar uses fresh water to internally clean the screen
- 4. Cyclone Separator** - Removes particles from the liquid
 - a. Includes an automatic continuous discharge of particles back into the debris body
- 5. Air Operated Butterfly Valves** - Select between fresh and recycled water supply
- 6. Y-Strainer with Stainless Steel Element** - Filters the liquid prior to the high pressure water pump



REVISIONS				
REV #	ECO #	DESCRIPTION	DATE	APPR
A			04/26/2018	D. King



SUPER PRODUCTS
TRUCK MOUNTED VACUUM EQUIPMENT

DATE: 04-26-2018
 TITLE: LAYOUT, 12YD CAMEL
 DIMENSIONS

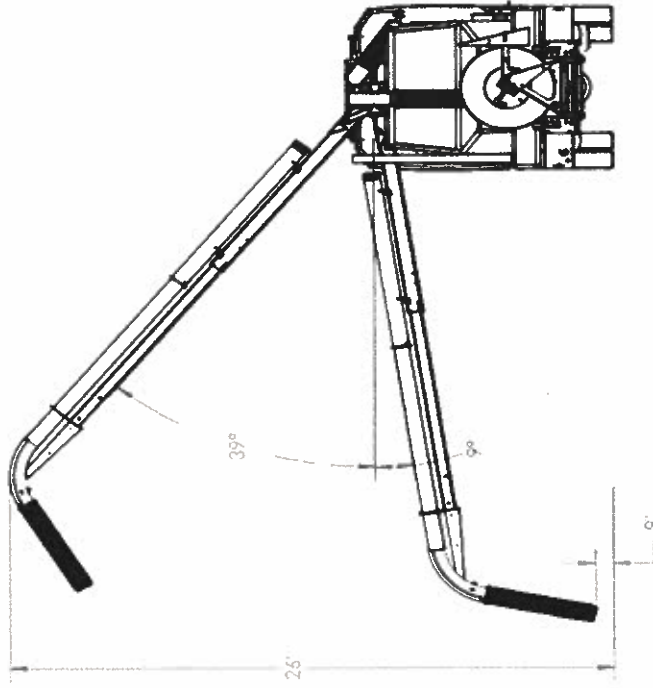
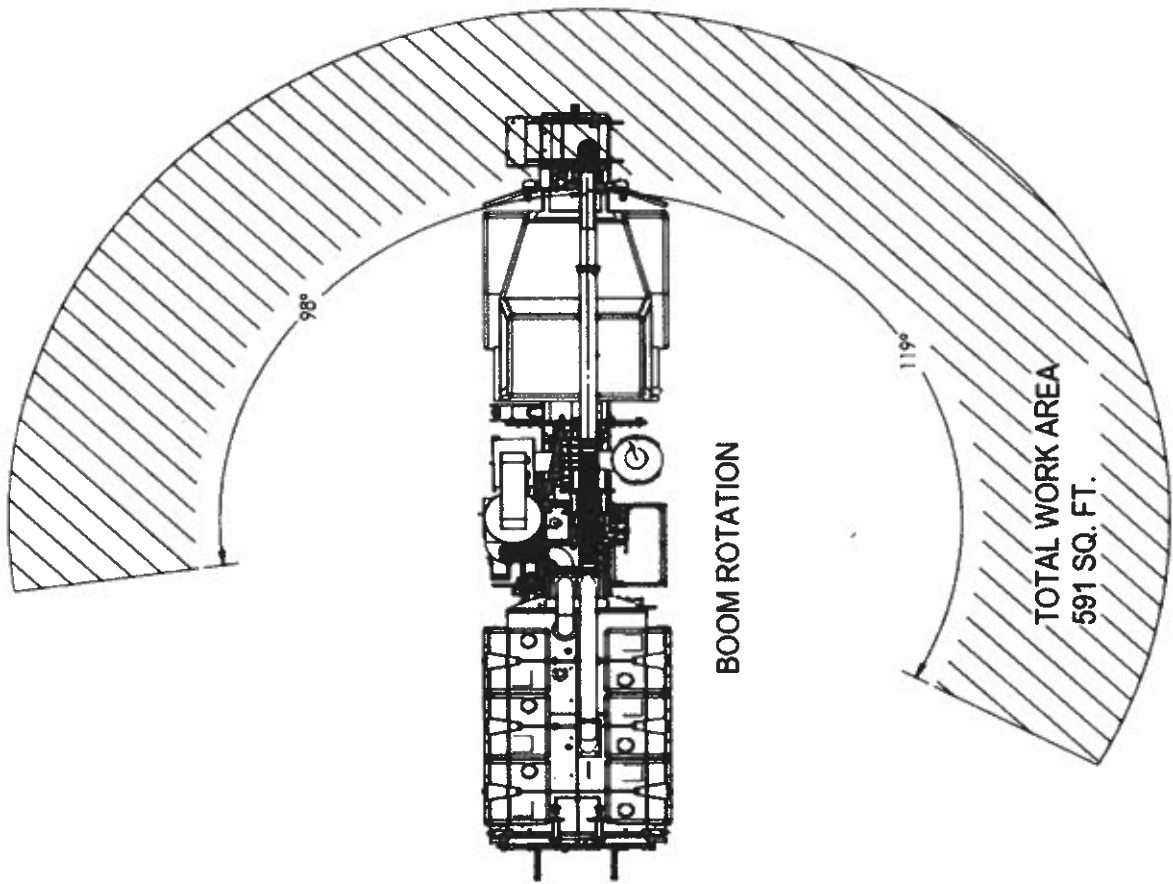
DWG. NO. **0033428**
 REV **A**

SIZE: SCALE: 1/4" = 1'-0" WEIGHT: 0.00 SHEET: 01 OF 3

DESIGNED BY: J. King
 ENG. APPR: J. King
 DATE: 04-26-2018

MANUFACTURED BY: SUPER PRODUCTS
 1000 W. 10th St. #100
 St. Louis, MO 63103
 TEL: 314-241-1111 FAX: 314-241-1111
 WWW: WWW.SUPERPRODUCTS.COM

ALL DIMENSIONS AND SPECS ARE FOR REFERENCE ONLY. ACTUAL VALUES MAY VARY BASED ON CHASSIS MANUFACTURER AND SELECTED OPTIONS



SUPER PRODUCTS
 TRUCK MOUNTED VACUUM EQUIPMENT
 DWG. NO. 0033428
 REV. A

1/2" SCALE 1/4" WEIGHT COC SHEET 2 OF 3