



Sole Source Request

Directions: Complete the request, attach supporting documentation, sign, and submit to the Procurement and Contract Services Manager for consideration. The information provided should be sufficient to withstand challenges from other vendors, their representatives, City staff and members of the public. The use of brand name descriptions and standardization is the least preferred type of justification

Definition: A procurement decision whereby purchases are directed to one source because of standardization, warranty, unique knowledge, significant cost savings, proprietary product, or restricted distribution, even though competitive sources may be available. Issuing a solicitation for goods and or services is not necessary when the Procurement and Contract Services Manager determines and documents the fact that a sole source vendor for the good or service requested is in the best interest of the City.

IMPORTANT: Time constraints may not be considered a factor if the requester has not sought competitive bids or proposals in a timely manner.

Requesting Department/Division:	WATER
Requestor Name and Phone:	Michael Riley 816-969-1963
Good/Service to be purchased:	Wastewater grinder
Sole Source Request	<p>This sole source request is necessary because (Check all that apply):</p> <ul style="list-style-type: none"> <input type="checkbox"/> Goods or Services are proprietary and only available from the manufacturer or a single distributor, or service provider (<i>attach sole source letter from manufacturer</i>) <input type="checkbox"/> Based on past procurement experience, it is determined that only one (1) distributor services the region in which the good or service is needed <input type="checkbox"/> Goods or services are available at a discount from a single distributor for a limited period of time <input checked="" type="checkbox"/> Vendor has significant previous or specialized knowledge on a proposed project that would result in significant monetary and/or time savings in completion of the project. <input type="checkbox"/> Maintain uniformity and consistency in an area (e.g. decorative light pole, bench, or other infrastructure), a good must be purchased from a single distributor <input type="checkbox"/> Required by Granting Organization (Grant Requirement) <input type="checkbox"/> Maintenance/Repair required to maintain manufacturer's Warranty <input type="checkbox"/> Interchangeability with existing equipment <input type="checkbox"/> Standardized product – provide copy of approved Standardization request <input type="checkbox"/> Other – provide detailed justification
Supporting Documentation/Information – Attach additional pages as needed	
1. State the need for the purchase of the good or service:	To replace existing wastewater grinder that is no longer economical to repair.
2. State the information to support the reason the identified vendor is a sole source for the purchase, supporting the box(s) checked above:	Channel Monsters are the best-in-class technology for wastewater solids reduction. The patented Channel Monster utilizes rotating drums to capture solids and directs them to the proven Muffin Monster® dual-shafted grinder. The Water Utility had a Facility Plan completed for our Tudor Road pump station in early 2024. In that facility plan, the JWC Environmental Channel Monster was determined to be the piece of equipment that best fits the design conditions. It also states that other channel grinders would need to have additional features added to the facility to match the capability of the JWC unit.
3. Describe any other facts that support the request (if any):	
3. Were other Vendors contacted? List names of vendors.	No
4. Anticipated Annual Spend:	\$225,000.00
5. Requested length of time the sole source is needed:	<p>What is the requested length of time requested for the sole source? (Check the one that applies)</p> <p><input checked="" type="checkbox"/> One-time purchase <input type="checkbox"/> 6 months <input type="checkbox"/> 1 year <input type="checkbox"/> Until the good or service is replaced or no longer needed by the Requesting Department</p>
6. Vendor's Information Name, Contact, Address, Email, and Phone	<p>JWC Environmental 2850 S Red Hill Ave Suite 125 Santa Ana, CA 92705 1-800-331-2277</p>



LEE'S SUMMIT MISSOURI

Sole Source Request

MARK SCHAUFLEER
Director/Chief Name

[Signature]
Director/Chief Signature

7/23/24
Date

-----DO NOT WRITE BELOW THIS LINE-----

Request Declined: The request for a sole source purchase is declined for the following reason(s):

Request may be submitted for consideration once the needed additional information is provided.

Procurement & Contract Services Manager Signature : Date Request Declined

Sole Source Request Approval: Based on the information provided the sole source request is approved.

The request is good for (time period): One-time Purchase

Goods - proceed with processing of a requisition. Services - a services agreement may need to be negotiated between the Vendor and City before proceeding with the processing of a requisition.

[Signature]
Procurement & Contract Services Manager

7-26-24
Date

City Manager Date

Park Administrator Date

APPROVED AS TO FORM

Office of the City Attorney Date

Original to File in Procurement Copy returned to Requestor

Table with 2 columns: Spend Range and Approvals Required. Rows include \$5,000-\$19,999.99, \$20,000-\$74,999.99, and ≥ \$75,000.



As previously mentioned, the existing channel grinder is no longer in production, so parts and a direct replacement is not available. Other issues with the current channel grinder include:

- Reliability
- Creation of long stringy material from the cutting process.
- Bypass of flow when the unit is over-capacity, which allows debris to bypass the grinder.

To deal with these issues it is recommended that the new style of channel grinder is equipped with the following features:

- Cross-cutting teeth
- Solids diversion to the cutting zone allowing for greater flowrates and less headloss.
- Potential for a bar rack for high channel levels to capture debris which flows over the grinder in a high flow or blinding condition.

Three grinder manufacturers were evaluated for Tudor Road Pump Station. A summary of the different channel grinders specifications are listed below in Table 3-1.

Table 3-1: Channel Grinder Manufacturer Comparison

Design Criteria	JWC Environmental Channel Monster	Vogelsang XRipper	Franklin-Miller Taskmaster Titan
Capacity (MGD)	Up to 29	Up to 29	Up to 13.8
Cross-cutting capability	Yes	Yes	Yes
Cutter design	Removable Cutters	Monolithic	Monolithic
Cutter Size	Variable	Fixed	Fixed
Grinder Motor (HP)	10	7.5	5 (each)
Submersible Solids Diverter Motor (HP)	2 x 1	2 x 1	No
Perforated Drums	Yes	Yes	No
Overflow Bar Screen	Yes	No	No
Number of Units Needed	One	One	Two
Equipment Cost	\$265,000 ¹	\$127,000	\$238,000

Note 1: JWC Environmental Channel Monster can be equipped with an electric non-submersible extended shaft motor for a total of \$251,000 in lieu of the immersible motor design. Extended shafts would require additional preventative maintenance.

The Channel Grinder that best fits the design conditions and additional features is the JWC Channel Monster. The other channel grinders would need to have additional features added to the facility to match the capability of the JWC unit. As such, the JWC cost has been utilized in the cost estimate for the project.