



DEPARTMENT OF ADMINISTRATIVE AND FINANCIAL SERVICES

DIVISION OF PROCUREMENT SERVICES

STATE OF MAINE

PROCUREMENT JUSTIFICATION FORM (PJF)

This form must accompany all contract requests and sole source requisitions (RQS) over \$5,000 submitted to the Division of Procurement Services.

INSTRUCTIONS: Please provide the requested information in the white spaces below. All responses (except signatures) must be typed; no hand-written forms will be accepted. See the guidance document posted with this form on the Division of Procurement Services intranet site (Forms page) for additional instructions.

PART I: OVERVIEW

Department Office/Division/Program:		Department of Agriculture, Conservation and Forestry/ Maine Geological Survey		
Department Contract Administrator or Grant Coordinator:		Stephen Dickson		
(If applicable) Department Reference #:				
Amount: (Contract/Amendment/Grant)	\$ 9,240.00	Advantage CT / RQS #:	CT 01A 20230109*1847	
CONTRACT	Proposed Start Date:	02/01/2023	Proposed End Date:	09/01/2023
AMENDMENT	Original Start Date:		Effective Date:	
	Previous End Date:		New End Date:	
GRANT	Project Start Date:		Grant Start Date:	
	Project End Date:		Grant End Date:	
Vendor/Provider/Grantee Name, City, State:		The University of Arizona Department of Geosciences (LaserChron)		
Brief Description of Goods/Services/Grant:		Zircon separation, imaging, U-Pb LA-ICP-MS analysis		

PART II: JUSTIFICATION FOR VENDOR SELECTION

Mark an "X" before the justification(s) that applies to this request. (Check all that apply.)

<input type="checkbox"/>	A. Competitive Process	<input type="checkbox"/>	G. Grant
<input type="checkbox"/>	B. Amendment	<input type="checkbox"/>	H. State Statute/Agency Directed
<input checked="" type="checkbox"/>	C. Single Source/Unique Vendor	<input type="checkbox"/>	I. Federal Agency Directed
<input type="checkbox"/>	D. Proprietary/Copyright/Patents	<input type="checkbox"/>	J. Willing and Qualified
<input type="checkbox"/>	E. Emergency	<input type="checkbox"/>	K. Client Choice
<input type="checkbox"/>	F. University Cooperative Project	<input type="checkbox"/>	L. Other Authorization

Please respond to ALL of the questions in the following sections.

PART III: SUPPLEMENTAL INFORMATION

1. Provide a more detailed description and explain the need for the goods, services or grant to supplement the response in Part I.

The Arizona LaserChron Center in the Department of Geosciences at the University of Arizona will separate zircons from whole rock samples; select, mount, grind and polish, and image zircons, and conduct U-Pb laser ablation ICP-MS analysis with the goal of obtaining ages of the zircon samples. The samples are for igneous and detrital zircon dating in Maine as part of the USGS-funded FY22 Earth MRI geologic research program. The Maine Geological Survey does not have the facilities to conduct this kind of specialized analysis.

2. Provide a brief justification for the selected vendor to supplement the response in Part II. Reference the RFP number, if applicable.

The Arizona LaserChron Center is one of only a few commercial labs in the U.S. that provide this kind of analytical service, is the most cited vendor of this service in academic literature, and the only one that has all steps of the method conducted in-house by full-time staff without the need to ship samples to other laboratories for one or more steps (separation or imaging) or with the need of an MGS employee to be present to assist. This vendor provides high-quality and efficient analytical services for the best price.

3. Explain how the negotiated costs or rates are fair and reasonable; or how the funding was allocated to grantee.

Staff of the Maine Geological Survey have researched the quality and efficiency of the very few other vendors that supply a similar service and have determined that the University of Arizona will provide the best service for the price per sample and in the time required by this project.

4. Describe the plan for future competition for the goods or services.

The few other commercial labs that conduct these kinds of zircon dating services may or may not improve their services over time, and the Maine Geological Survey would certainly be open to trying additional labs if the criteria are met. For now, we need a reliable, all-in-one, tried-and-true lab to meet the data quality required.

PART IV: VENDOR STATUS

Is the vendor currently working?

Yes

No

PART V: AMERICAN RESCUE PLAN ACT (ARPA) / MAINE JOBS & RECOVERY PLAN (MJRP)

Does this request utilize ARPA/MJRP funds?

Yes – If Yes, please attach the approved Business Case(s).

No – If No, proceed to Part VI

PART VI: APPROVALS

Signature of requesting
Department's Commissioner (or
designee):

By signing below, I signify that I approve of this procurement request.

DocuSigned by:

Randy Charette

Printed Name:

Amanda Deal, Commissioner

Date:

1/31/2023

Signature of DAFS
Procurement Official:

DocuSigned by:

Martha Verhille

Printed Name:

891CE7A1493D45B
Martha Verhille

Date:

2/7/2023