



Procurement Hub – Fredericton
301 Bishop Drive
Fredericton, NB E3C 2M6

April 30, 2018

F5211-180119

ADVANCED CONTRACT AWARD NOTICE

TITLE: ShoreZone Imaging and Mapping of the Vancouver and Prince Rupert Port Areas as part of the Ocean Protection Plan Coastal Environmental Baseline Program

INTRODUCTION:

The purpose of this Advance Contract Award Notice (ACAN) is to signal the government's intention to award a contract for these services to Coastal and Ocean Resources, 759A Vanalman Ave., Victoria, B.C., V8Z 3B8. Before awarding a contract, however, the government would like to provide other suppliers with the opportunity to demonstrate that they are capable of satisfying the requirements set out in this Notice, by submitting a statement of capabilities during the ACAN posting period.

If other potential suppliers submit a statement of capabilities during this ACAN posting period that meets the requirements set out in the ACAN, the government will proceed to a full tendering process on either GETS or through traditional means, in order to award the contract.

If no other supplier submits, on or before the closing date, a statement of capabilities meeting the requirements set out in the ACAN, a contract will be awarded to the pre-selected supplier.

BACKGROUND:

As part of the Ocean Protection Plan (OPP) Program, DFO has been asked to develop a Coastal Environmental Baseline Program in two Pilot Areas (Port of Prince Rupert and Port of Vancouver) to support Transport Canada's Framework to Assess the Cumulative Impacts of Marine Shipping currently under development.

Coastal & Ocean Resources (CORI) is a Victoria based company which has developed a coastal imaging and habitat mapping method known as the ShoreZone protocol. ShoreZone is a standardized coastal imaging and habitat classification system which has been applied to over 120,000 km of shoreline from Oregon to Alaska. The ShoreZone protocol involves acquiring georeferenced, oblique, low altitude aerial imagery during the lowest tides of the year which is inventoried to identify shoreline geomorphological and biological attributes in a searchable database.

The habitat mapping that has been completed to date around the Port of Prince Rupert, in partnership with the Port Authority and the Metlakatla First Nation. ShoreZone has been widely accepted and utilized within the Pacific Region and internationally. In the Port of Vancouver area, ShoreZone imaging of Burrard Inlet, Port Moody and Indian Arm was completed with funding from the Tsleil-Waututh Nation in July 2017 with habitat mapping completed in early 2018.

In the Port of Prince Rupert Area, multiple First Nations have funded ShoreZone imaging with select areas mapped in 2015 and 2018. This project would fill in data gaps for areas which have not been imaged or mapped within approximately 10 km of the navigational jurisdiction of port authorities to create a full Shorezone inventory of these areas. Specifically, 355 km of coastline would be imaged and mapped in the Port of Vancouver area with 14 shore stations surveyed to ground truth the complete 573 km of coastline included in the inventory (including previous work described above). 800 km of coastline will be imaged in the Port of Prince Rupert area, 30 km of coastline will be mapped and 15 shore stations will be surveyed to ground truth 526 km of coastline including previous mapping described above.

OBJECTIVES:

The objective of this project will create a database of shoreline geomorphological and biological attributes for an approximate 10 km area surrounding the Port of Prince Rupert and Vancouver as part of the OPP Coastal Environmental Baseline Program. This project will build on previous work completed by Coastal



and Ocean Resources (COR), First Nations and coastal organizations and will ground truth previous imaging and mapping completed in these areas.

WORK REQUIREMENT:

Fisheries and Oceans Canada has a requirement for the provision of the following services:

ShoreZone imaging surveys and habitat mapping which are priced on a per kilometer basis based on the best available digital shoreline. Imaging costs also include survey preparation including travel and equipment for personnel.

The contractor is required to have substantial experience with aerial surveys, inventory of oblique, low altitude aerial imagery to classify geomorphological and biological attributes of the shoreline.

The contractor is required to deliver the follow final data products at the completion of the contract

1. a flight report detailing the imaging surveys
2. hosting georeferenced, high resolution photos and video on the Coastal and Ocean Resources ArcGIS website
3. a hard drive with a copy of the photos and video and the flightline shapefile
4. a geodatabase with all physical and biological attributes linked to specific segments of mapped shoreline
5. hosting a subset of physical and biological attribute shapefiles on the Coastal and Ocean Resources ArcGIS site
6. A summary report for that provides analysis and statistics for a subset of the physical and biological attributes for the Port of Vancouver mapping completed in this contract
7. all shore station data (beach profile, physical and biological attributes and species associated with each bioband) in a georeferenced Access database
8. shore station data stored as a shapefile layer and hosted on the Coastal and Ocean Resources ArcGIS site
9. a summary report providing analysis and statistics for the physical and biological attributes. All digital files hosted on the Coastal and Ocean Resources ArcGIS website will be provided and available online via a third party data provider at a later date.

CONSTRAINTS

Language: Services are to be provided in English.

DEPARTMENTAL SUPPORT

Fisheries and Oceans Canada plan to conduct complementary intertidal biota surveys that may integrate into ShoreZone

MINIMUM MANDATORY REQUIREMENTS

The minimum mandatory requirements are:

1. Experience taking oblique, aerial video and still imagery according to the published 2017 ShoreZone protocol; and
2. Experience completing habitat mapping according to the published 2017 ShoreZone protocol; and
3. Ability to post the final GIS products on the Coastal and Ocean Resources ShoreZone ArcGIS site in a format consistent with the work already completed; and
4. Ability to complete the work, including logistical planning and field surveys, in the required time period; and,
5. In addition, the contractor is to have substantial experience with consultation with First Nations on implementation of ShoreZone imaging and mapping.



WORK ENVIRONMENT

Fieldwork will be conducted at two coastal areas on the south and north coast of British Columbia:

- The Port of Vancouver area
- The Port of Prince Rupert area

Office work will be completed at:

- Coastal and Ocean Resources – 759A Vanalman Ave., Victoria, B.C., V8Z 3B8

USE OF ASSETS

No assets will be supplied by Fisheries and Oceans Canada

DELIVERABLES & TIME SCHEDULE

TRADE AGREEMENTS APPLICABILITY OR OTHER OBLIGATIONS:

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

GOVERNMENT CONTRACTS REGULATIONS EXCEPTION AND LIMITED TENDERING REASONS:

The following policy requirements are applicable to this ACAN process:

Applicable Exceptions to Soliciting Bids under the Government Contracting Regulations (GCRs) (Section 6):

Section 10.2.1 Section 6 (d) only one person or firm is capable of performing the work applies to this ACAN for the following reasons:

There are no known alternative sources of supply. Coastal and Ocean Resources are the creator of the ShoreZone protocol and the only commercial supplier that is able to execute the integrated imagery, surveying and mapping and to host the ShoreZone product including ArcGIS web applications on an open and accessible portal within the required time period specified.

INTELLECTUAL PROPERTY:

Fisheries and Oceans Canada has determined that any resulting contract will not involve any intellectual property.

CONTRACT PERIOD:

The contract period is estimated to be from the date of contract award to March 31, 2019.

Project Work

Project planning will begin as soon as possible with field surveys scheduled in summer of 2018, and analysis and creation of data products in fall of 2018 with a final completion date of March 31st 2019 for all deliverables.

ESTIMATED VALUE:

The total estimated value of the contract shall not exceed \$245,120.00 excluding all applicable taxes.

INSURANCE

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

SUPPLIER'S RIGHT TO SUBMIT A STATEMENT OF CAPABILITIES:



Suppliers who consider themselves fully qualified and available to provide the services described herein, may submit a Statement of Capabilities in writing to the Contracting Officer identified in this Notice on or before closing date. The Statement of Capabilities must clearly demonstrate how the supplier meets the advertised requirements.

**CLOSING DATE FOR SUBMITTING STATEMENT OF CAPABILITIES:
Tuesday, May 29, 2018 at 2:00 p.m. (Atlantic Time)**

Inquiries and statements of capabilities are to be directed to:

Kimberly Walker

Senior Contracting Officer

Procurement Hub – Fredericton

Telephone: (506) 452-3624

Facsimile: (506) 452-3676

Email: DFOtenders-soumissionsMPO@dfo-mpo.gc.ca