

WORK ORDER

PURSUANT TO A MASTER AGREEMENT BETWEEN
THE CITY OF FORT COLLINS
AND
MARINE DIVING SOLUTIONS, LLC.

WORK ORDER NUMBER: 1
PROJECT TITLE: Joe Wright Reservoir
ORIGINAL BID/RFP NUMBER & NAME: 9085 Dive Team Services
MASTER AGREEMENT EFFECTIVE DATE: April 22, 2020
ARCHITECT/ENGINEER: HDR Engineering
OWNER'S REPRESENTATIVE: Mark Kempton
WORK ORDER COMMENCEMENT DATE: May 18, 2020
WORK ORDER COMPLETION DATE: September 30, 2020
MAXIMUM FEE: (time and reimbursable direct costs): \$39,500.00

PROJECT DESCRIPTION/SCOPE OF SERVICES: See Exhibit A, Work Order Scope of Services.

Service Provider agrees to perform the services identified above and on the attached forms in accordance with the terms and conditions contained herein and in the Master Agreement between the parties. In the event of a conflict between or ambiguity in the terms of the Master Agreement and this Work Order (including the attached forms) the Master Agreement shall control.

The attached forms consisting of three (3) pages are hereby accepted and incorporated herein, by this reference, and Notice to Proceed is hereby given after all parties have signed this document.

SERVICE PROVIDER: Marine Diving Solutions, LLC

DocuSigned by:
By: Ian Stephens Date: 5/15/2020
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Name: Ian Stephens Title: owner



OWNER'S ACCEPTANCE & EXECUTION:

This Work Order and the attached Contract Documents are hereby accepted and incorporated herein by this reference.

ACCEPTANCE: DocuSigned by: Mark Kempton
Mark Kempton, Project Manager

Date: 5/12/2020

REVIEWED: DocuSigned by: Marisa Donegon
Marisa Donegon, Buyer

Date: 5/12/2020

ATTACHMENT A WORK ORDER SCOPE OF SERVICES

Objective

The City of Fort Collins (City) requested proposals from qualified Vendors to assess the inlet structure of Joe Wright Reservoir, using divers or a Remote Operated Vehicle (ROV).

Scope of Work

Service Provider will mobilize to Joe Wright Reservoir located at Cameron Pass in Larimer County, Colorado and provide the following services:

- Set up mobile dive station on or near the gate operating tower to include commercial dive team, project manager, ROV, working platform/pontoon boat, hyperbaric chamber, commercial dive equipment and other miscellaneous materials needed for Scope of Work. There will be no subcontractors needed.
- Working with the City's Evaluation Team members, conduct an assessment inspection of the outlet pipe through the gate tower grated opening. Service Provider will conduct an ROV inspection of the inlet pipeline measuring approximately 370' long and 6' diameter. The inspection will be recorded with high definition video and documented accordingly.
- Service Provider plans beginning the inspection in the control operating tower and finishing the inspection at the inlet structure approximately 300' from the dam face. Upon completion of the pipeline, Service Provider will complete a formal assessment of the condition of the pipeline by its NASSCO PACP inspector and civil engineer. A formal report will be furnished to the city that will include still color photos.
- Upon completion of the inlet pipeline inspection and inlet structure inspection, Service Provider will complete an inspection of the Slide Gates and the stems and stem guides in the tower. The inspection will also be completed with the ROV and a formal assessment will be completed by one of Service Provider's civil engineers. A formal report will be furnished to the City that will include still color photos.
- After the tower and pipeline inspection, Service Provider will assess the intake structure and trash rack by certified commercial divers. Service Provider will use the grid coordinates furnished by the City and use its 27' dive vessel to position divers and equipment over the intake structure. A decent line will be sent to the bottom to what is expected to be the proximity of the intake structure. A diver will then be sent down the down line and will determine if the structure is at that given location. If the location is off slightly, a diver will then hook up a line to the down line and begin searching patterns to find the structure. The diver will begin circles in 5' increments. Every time the diver makes a circle to the same location, they will proceed 5' further out and begin a circle in the opposite direction until the intake structure is found.
- Due to the depths of the water and elevation, Service Provider will plan on having divers not exceed 30 minutes of working time underwater. Service Provider is confident that the

dive team will be able to locate and assess the condition of the intake structure and trash rack in 1 to 2 days (allowing for possible weather delays).

- Upon approval from the City of the assessment of the inlet structure and pipeline, all work areas will be left in the same or better condition upon completion of this Scope of Work.

Deliverables:

Service Provider shall provide the City with an electronic file containing video and still photos of the inlet structure, as well as a formal report of the conditions observed in the dam conduit as described in the Scope of Work above.

Schedule:

Service Provider will plan to mobilize and perform the services described in this Scope of Work in early August 2020, at the direction of the City's Project Manager. The services described are anticipated to take 5 business days.

All deliverables shall be provided to the City no later than September 30, 2020.

**ATTACHMENT B
WORK ORDER COST DETAIL**

All work will be completed by a 4-man minimum dive crew for the Joe Wright Reservoir, as directed by the City's Project Manager.

The City's payment terms are Net 30.

Task	Rate	Per Hour Rate Over 8 Hours	Estimated Number of Days	Total Rate
Mobilization/Demobilization for Hyperbaric Chamber, ROV and Vessel	\$10,000.00	N/A	N/A	\$10,000.00
4 Man Commercial Dive Team	\$687.50 (8 Hour Daily Rate Minimum)	\$750.00*	5	\$27,500.00
Written Report with Photos and Results of Inspections	\$2,000.00	N/A	N/A	\$2,000.00
			Total	\$39,500.00

*Overtime is not anticipated to be required and will be approved in advance by the City Representative, if applicable.

**ATTACHMENT C
CERTIFICATE OF INSURANCE**

CONTRACTOR shall submit Certificate of Insurance in compliance with the Contract Documents.