

SUGGESTED FORM OF
TASK ORDER

This is Task Order No. <u>7</u> , consisting of <u>6</u> pages.
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Task Order

In accordance with Paragraph 1.01 of the Agreement Between Owner and Engineer for Professional Services – Task Order Edition, dated November 7, 2016 ("Agreement"), Owner and Engineer agree as follows:

1. Specific Project Data

- A. Title: North Park Elevated Water Tank
- B. Description: Removal of the City's 300,000 Gallon Water Storage Tank Located at North Park and Replacing with a 750,000 Gallon Elevated Tank.
- C. Number of Construction Contracts

This Specific Project is anticipated to be constructed under 1 Construction Contract(s).

2. Services of Engineer

Study and Report Services

- The Engineer will develop a basic hydraulic water model of the City of Sidney's water system. The Engineer will rely on Owner-provided maps to model the system. The basic model will provide a reasonably accurate representation of those parts of the system that directly affect the design of optimized tank features such as: height, pipe sizes and locations, controls, etc. Modeling of the system beyond control valves or parts of the system that do not directly affect the operation of the tank may be schematically represented in the basic model. *Detailed water modeling beyond what is necessary for the design of the tank may be performed by the Engineer under Additional Services upon Owner request.*
- All services as stated in A1.02 Preliminary Design Phase apply.

Funding Assistance Services

- The Engineer will provide assistance to Owner for compliance with ARPA Minimum Allocation Grant requirements through the Bidding Phase.
- The Engineer will provide assistance to Owner for compliance with Montana State Revolving Fund loan requirements through the Bidding Phase.

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Design Services

- The Engineer will review the 2015 PER as it pertains to the North Park water tank and design the replacement of the North Park water tank in accordance with the PER. If the Engineer identifies design elements that, in the Engineer's opinion differ from the PER, the Engineer will not proceed with design of such elements until authorized by Owner.
- The Engineer will meet with the Owner at a frequency desired by the Owner to discuss the progress of the project, and to make decisions on design components. The budget includes up to 4 design meetings.
- The Engineer will evaluate the need to replace watermains associated with the new tank and prepare design documents for up to two blocks of watermain replacement within the immediate vicinity of the new tank and assumes contaminated soils are not present.
- The Engineer will meet with the Owner for final decisions on specific design components, electrical features, and controls to be included in the project. The Engineer will prepare subconsultant agreements for design of electrical, process and instrumentation, and telemetry. The budget assumes up to a \$10,000 subcontractor allowance.
- The Engineer will utilize previously performed drone survey data from 2022, supplemented with traditional ground survey only as needed to prepare a base map.
- The Engineer will develop project performance specifications and drawings to be used in the bidding of the project to prospective bidders. Project specifications will consist of Construction Specification Institute (CSI) format specification. Project drawings will include existing tank record drawings and overall site drawings to be used by the contractor for bidding.
- The Engineer will submit plans and specifications to the Montana Department of Environmental Quality (MDEQ) for review and approval.

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- Design assumptions:
 - The tank will be elevated (spheroid style) and have a capacity of 750,000 gallons.
 - The tank will be located on Owner's property, adjacent to the existing tank in North Park. The existing tank will remain in service during construction of the new tank.
 - Owner will contract separately with a geotechnical engineer for a geotechnical evaluation of the proposed site. The Engineer will coordinate with the geotechnical engineer for data to be included in the bidding documents.
 - Tank and foundation design will be performed by the Owner-selected Contractor after a competitive bidding process.
 - Only minimal site work will be required such as sidewalk installation and grass restoration.
 - Owner will perform two sets of fire hydrant flow testing at five to seven locations recommended by the Engineer. The first set of flow test results will be used to calibrate the hydraulic water model. A second set of five to seven flow tests will be requested by the Engineer for verification and fine-tuning of the model.
- All services stated in A1.03 Final Design Phase apply except A1.03.6.

Bidding or Negotiating Services

- The Engineer will prepare an advertisement for bids and host through their online plans exchange. The Engineer will also reach out to prospective bidders to notify them of the availability of the construction bid documents.
- The Engineer will answer contractor, material supplier, and manufacturer questions during the bid advertisement period.
- The Engineer will perform an online bid opening through Quest CDN.
- Bid tabulations, evaluation, and a recommendation of award will be made to the City of Sidney.
- All services as stated in A1.04 apply except A1.04.4.

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- Construction and Commissioning Services
- Resident Project Representative Services
- Other Services
- Additional Services Requiring an Amendment to Task Order

- Part 6 of Exhibit A is incorporated by reference unless otherwise noted.

3. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 and in Exhibit B, subject to the following: N/A/

4. Times for Rendering Services

Phase	Completion Date
<u>Complete Project Plans and Specifications</u>	<u>November 1, 2023</u>
<u>Submittal to DEQ (Assume 30-day review)</u>	<u>November 1, 2023</u>
<u>Project Bid Opening</u>	<u>January 25, 2024</u>
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5. Payments to Engineer

A. Owner shall pay Engineer for services rendered as follows:

<i>Category of Services</i>	<i>Compensation Method</i>	<i>Lump Sum, or Estimate of Compensation for Services</i>
Study and Report Services	Lump Sum	\$28,000
Funding Assistance	Lump Sum	\$10,000
Design Engineering (Tank Replacement)	Lump Sum	\$200,000
Bidding or Negotiating	Lump Sum	\$8,000
Additional Services	Standard Hourly Rates	\$25,000

B. The terms of payment are set forth in Article 4 of the Agreement and in Exhibit C.

6. Consultants: Electrical and SCADA to be determined.

7. Other Modifications to Agreement:

- Exclusions: legal survey, petroleum contaminated soils, geotechnical investigation, FAA permitting, landowner negotiations, traffic control plan, wetlands or cultural resources work, customized O&M manual, asbestos surveys, composite tank design.

8. Attachments: Hourly Rate Schedule, MAG Funding Spreadsheet

9. Documents Incorporated By Reference:

- Agreement Between Owner and Engineer for Professional Services – Task Order Edition, dated November 7, 2016.

10. Terms and Conditions: Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

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The Effective Date of this Task Order is _____, _____.

OWNER: City of Sidney, Montana

ENGINEER: Interstate Engineering, Inc.

By: _____

By: _____

Name: Rick Norby

Name: Lonni Fleck

Title: Mayor

Title: President

Engineer License or Firm's
Certificate No. PE-EF-LIC-419
State of: Montana

DESIGNATED REPRESENTATIVE FOR TASK
ORDER:

DESIGNATED REPRESENTATIVE FOR TASK
ORDER:

Name: Jeff Hintz

Name: Jordan Mayer

Title: Public Works Director

Title: Project Manager

Address: 115 2nd Street SE
Sidney, MT 59270

Address: 2177 Lincoln Avenue SE
Sidney, MT 59270

E-Mail
Address: _____

E-Mail
Address: Jordan.Mayer@interstateeng.com

Phone: 406.433.1117

Phone: 406.433.5617

Fax: n/a

Fax: n/a