



BEATRICE

CITY • BOARD OF PUBLIC WORKS

MEMORANDUM

To: BASWA Board

Date Submitted: May 29, 2020

From: Tobias J. Tempelmeyer
City Administrator/General Manager

For Agenda of: June 15, 2020

Subject: Task Order #11

Exhibit(s):

The next step in our development of a new landfill is subsurface investigation. Task Order #11 authorizes Burns McDonnell to proceed with the subsurface investigation reporting and field work. The services set forth in Task Order #11 follows the capital improvement plan that was prepared for the construction of the landfill and has been budgeted for.

Task Order #11 includes the installation of landfill gas vents. Some of the gas vents to be installed will be around an existing gas well that we have had issues with over the years. The test results from this gas well has tested high in methane at times with no explanation as to why.

RESOLUTION NUMBER _____

WHEREAS, the Board of Directors of the Beatrice Area Solid Waste Agency, a joint entity created pursuant to Section 13-801 to 13-827, R.R.S. Neb. 1943 ("Agency"), entered into an Agreement for Professional Engineering Services with Burns McDonnell Engineering Company, Inc. ("Burns McDonnell"), for engineering services related to a new municipal solid waste landfill to be operated by the Agency on October 6, 2015; and

WHEREAS, the Agency desires to authorize Burns McDonnell to provide specific services including subsurface investigation field work and reporting.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE BEATRICE AREA SOLID WASTE AGENCY, A JOINT ENTITY:

SECTION 1. That the Chairperson and Secretary of the Board of Directors of the Beatrice Area Solid Waste Agency are hereby authorized to execute Task Order #11 for the Agreement for Professional Engineering Services dated October 6, 2015 between the City of Beatrice, Nebraska, and Burns McDonnell Engineering Company, Inc., for professional services including subsurface investigation field work and reporting. A copy of said agreement marked as "Exhibit A", is attached hereto and incorporated by reference.

SECTION 2. That all resolutions or parts of resolutions in conflict herewith are hereby repealed.

RESOLUTION PASSED AND ADOPTED this 15th day of June, 2020.

Attest:

Tobias J. Tempelmeyer, Secretary

Stan Wirth, Chairperson



Exhibit "A"

**TASK ORDER #11
FOR
ENGINEER-OWNER AGREEMENT
(Doc. No. AE-2 Exhibit A)**

In accordance with the AGREEMENT for PROFESSIONAL ENGINEERING SERVICES dated October 6, 2015, between the Beatrice Area Solid Waste Agency (BASWA - hereinafter called CLIENT) and Burns & McDonnell Engineering Company, Inc. (hereinafter called CONSULTANT), CLIENT hereby authorizes CONSULTANT to proceed with the following services:

1. Project Summary

CONSULTANT understands that the CLIENT desires to develop a new municipal solid waste (MSW) landfill to fulfill the disposal needs of the City of Beatrice, Nebraska and surrounding areas. The proposed site (Site) for the new BASWA MSW Landfill is approximately 90-acres in size and is located south of the current BASWA MSW Landfill and west of the current BASWA Construction & Demolition Landfill. CLIENT has requested CONSULTANT support efforts in permitting and design of the new BASWA MSW Landfill in anticipation of construction at a later date. This Task Order includes the hydrogeologic investigation and reporting associated with the new BASWA MSW Landfill. Further, this Task Order includes the installation of landfill gas vents associated with LFG-3 at the existing BASWA MSW Landfill.

2. Scope of Services:

The Scope of Services to be provided by CONSULTANT in connection with this Authorization, is as follows:

Task 1.0 – Hydrogeologic Investigation Field Work

CONSULTANT will retain a subcontractor to perform soil boring and laboratory testing associated with the hydrogeologic investigation in accordance with the Hydrogeologic Investigation Work Plan submitted to and approved by Nebraska Department of Environment and Energy (NDEE). The investigation will include twelve (12) borings, with four (4) of those borings utilized to install permanent monitoring wells. In addition the permanent monitoring wells, approximately five (5) temporary monitoring wells will be installed to appropriately identify the depth to groundwater within proximity to the proposed landfill. A Burns & McDonnell representative will be on-site during the investigation for oversight and documentation of the soil borings.

Task 2.0 – Landfill Gas Vent Installation

CONSULTANT will prepare a landfill gas vent installation work plan for submittal to NDEE. CONSULTANT will retain a subcontractor to install up to three passive vent wells around one of the existing landfill gas monitoring wells (LFG-3) to mitigate elevated levels of methane observed in landfill gas monitoring events. A Burns & McDonnell representative will be on-site during the installation for oversight and documentation. CONSULTANT will prepare a memorandum documenting the installation to be submitted to NDEE.

Task 3.0 – Hydrogeologic Investigation Reporting

CONSULTANT will develop a Hydrogeologic Investigation Report to determine Site's applicability to Title 132 – Integrated Solid Waste Management Regulations Chapter 3 – Criteria For Municipal Solid Waste Disposal Areas, Delisted Waste Disposal Areas, Industrial Waste Disposal Areas And Land Application Units For Repeated Disposal Or Treatment Of Special Wastes in regards to the



minimum groundwater separation requirement and to obtain information regarding the Site soil and bedrock to provide for Permit Documents and utilize in geotechnical calculations for the new BASWA MSW Landfill and associated infrastructure. The report will summarize findings from the hydrogeological investigation, previous investigations, and publically available information.

3. Assumptions:

- CONSULTANT assumes that CLIENT will provide full access to the Site for subsurface investigation activities.
- CONSULTANT assumes that the field work associated with the hydrogeologic investigation and landfill gas vent installation will be performed in a single mobilization over approximately eight (8) days.
- CONSULTANT will submit hard copies of the landfill gas vent installation documentation and Hydrogeologic Investigation Report to NDEE, in the quantity that is requested.

4. Compensation:

CLIENT shall compensate CONSULTANT for providing the services set forth herein in accordance with the terms of the existing Agreement. The estimated cost for the services, per task, is shown below. This cost is an estimate and not a guaranteed maximum; however, the CONSULTANT shall not exceed such amount without prior written approval of CLIENT.

Task 1.0	Subsurface Investigation Field Work	\$68,400.00
Task 2.0	Landfill Gas Vent Installation	\$18,850.00
Task 3.0	Subsurface Investigation Reporting	\$55,300.00
Authorization Total		\$142,550.00

The basis of compensation for the above Services shall be Hourly Rate per CONSULTANT's Current Rate Sheet in affect at the time of services. CONSULTANT is authorized to perform services and incur cost set forth in this Task Order upto One Hundred Two Thousand Five Hundred Fifty Dollars (\$102,550) prior to October 1, 2020. The remaining Forty Thousand Dollars (\$40,000) of the authorized total fee and scope associated with this Task Order shall be performed after October 1, 2020.

This Task Order contains a scope of services and budget which were developed using best available information at the time of this submission. However, the uncertainty surrounding these circumstances and potential disruptions to providing our services caused by the global outbreak and spread of COVID-19 ("coronavirus") may have an impact on the Project (i.e. scope of services, schedule, and budget). If potential disruptions occur prior to initiating services or during performance of these services, CONSULTANT will notify CLIENT of the potential impacts and work with CLIENT to mutually agree on a path forward.



IN WITNESS WHEREOF, the parties have made and executed this TASK ORDER as of the day and year first above written.

CLIENT: Beatrice Area Solid Waste Agency

CONSULTANT: Burns & McDonnell Engineering Company, Inc.

By: _____

By: SG_____

Name: _____

Name: Spencer Cronin_____

Title: _____

Title: Regional Manager, Environmental Services_____