



City of Grand Island

Tuesday, June 13, 2017

Council Session

Item G-14

#2017-168 - Approving Amendment No. 1 with HDR Engineering, Inc. for Engineering Services Related to Cell 3 Liner Construction at the Grand Island Regional Landfill

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Jeff Wattier, Solid Waste Superintendent

Meeting: June 13, 2017

Subject: Approving Amendment No. 1 with HDR Engineering, Inc. for Engineering Services Related to Cell 3 Liner Construction at the Grand Island Regional Landfill

Presenter(s): John Collins PE, Public Works Director

Background

The Grand Island Landfill Phase I development is comprised of four cells (Cells 1, 2, 3, and 4) of lateral expansion that are located within a 52 acre landfill footprint. Cell 1 was constructed in 1993 and Cell 2 was constructed in 1998. Landfilling will continue in Cells 1 and 2 until intermediate and final grades are achieved. Cell 3 will be constructed when filling in Cells 1 and 2 nears completion within the next several years. Cell 4 will be constructed when filling in Cell 3 nears completion or as facility operations warrant.

On January 24, 2017, via Resolution No. 2017-12, City Council approved an agreement between the City and HDR Engineering, Inc. of Omaha, Nebraska for engineering services related to Cell 3 Liner Construction at the Grand Island Regional Landfill, in the amount of \$126,570.00.

Discussion

It is necessary to add the design and specifications for a new leachate control room to the original engineering services agreement with HDR Engineering, Inc. Such additional design work will provide structure and electrical needs for the City to operate the pumps in the leachate lagoon. It is also recommended that the City not implement the optional permit modification provided in the original scope of services. Such revisions to the original agreement will not change the project schedule, which is targeted for bidding August 2017.

Summary of Amendment No. 1-

Original Agreement =	\$126,570.00
Remove Optional Task 1B =	(\$ 32,140.00)
Add Additional Design Services =	\$ 14,980.00
Revised Agreement =	\$109,410.00

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

Recommendation

City Administration recommends that the Council approve Amendment No. 1 to the agreement with HDR Engineering, Inc. of Omaha, Nebraska, for a revised agreement amount of \$109,410.00.

Sample Motion

Move to approve the resolution.

AMENDMENT NO. 1
Exhibit A
Scope of Services
Grand Island Regional Landfill
Cell 3 Liner Design & Construction Phase Services

Amendment No. 1 to Agreement, City Purchase Order #33617-00

As part of the design services for the Cell 3 Liner at the Grand Island Regional Landfill, the City has requested HDR to include the design and specifications for a new leachate control room which will provide a structure and electrical needs for the City to operate their pumps in the leachate lagoon. In addition, the City elected not to implement the optional Task 1B – Permit Modification provided in the original Scope of Services. This Amendment No. 1 lists the understandings and scope of services for these changes.

Task 1B – Permit Modification (Optional)

This task is removed from the Scope of Services.

Task 4 – Additional Design Services

Objective:

At the request of the City, to complete design of a new leachate control room and incorporate alternate bid items identified by the City.

HDR Activities:

Based on several discussions with the City, HDR will provide design drawings and specifications for the following additional design items.

- New leachate control room is anticipated to be an 8-feet by 12-feet pre-fabricated fiberglass building with lighting, heating, and power supply; anchored to a new concrete slab on grade with stoop, and will include main control panel, step-down panel/transformer, local control panel for new leachate extraction pump, power and disconnects for City's leachate lagoon pumps.
 - Review City's information and desired features for the leachate control room.
 - Communications with the City to discuss the electrical needs and the structure.
 - Incorporate demolition of the existing leachate lagoon pump house into the demolition plan.
 - Develop leachate control room electrical plan and electrical diagram and details.
 - Develop structural site plan and details sheet.
 - Prepare specifications for electrical, structural (concrete slab), and pre-fabricated building.
 - Incorporate leachate control room into the 50%, 90% and final design levels.
 - Review and incorporate the City's comments on the leachate control room into the final design.
- Incorporate the 3 alternate bid items for site roadway work into the drawings, specifications, and bid items.
- Update the opinion of probable construction costs for the leachate control room and alternate bid items.

Meetings:

Progress meetings are included in existing Task 2. Additional communications will be conducted through conference calls and emails.

Deliverables:

- Preliminary electrical drawings (3 sheets) included with the 50% design submittal
- Drawings (4 sheets total) and specifications included with the 90% and final design level submittals

Key Understandings:

- New leachate control room will be in same location as existing leachate pump house.
- City will be responsible for piping from the leachate lagoon through the control room and the associated pipe penetrations through the structure.
- No pumps are provided in the leachate control room.
- City will provide the leachate lagoon submersible pump, fountain pump and control panel.
- Leachate control room does not and will be not be classified as Class I Div I/II facility.
- Existing soils in the area of the leachate control room are assumed to be stable and adequately support the new structure.
- No modifications to the site's existing permit are included in this Task.

Additional Services

The future Additional Services for construction period services will be renamed to Task 5 and 6.

- Task 5 – Basic Construction Phase Services
- Task 6 – Resident Construction Observation and Inspection Services

The scope of these services and compensation will be further detailed and defined during bidding assistance period based on final design.

Schedule

No change to schedule with targeted dates for bid advertisement in August 2017. The dates for bid advertisement and receipt of bids may be adjusted with City input to target a desired bidding environment.

Compensation

The following table was developed to show the adjustment in fee as a result of the changes to the scope of services as described in this Amendment No. 1.

- The estimated fee for optional Task 1B of Thirty-Two Thousand One Hundred Forty dollars (\$32,140.00) is deducted from the Agreement.
- The estimated fee for new Task 4 – Additional Design Services is Fourteen Thousand Nine Hundred Eighty dollars (\$14,980.00), not-to-exceed without written authorization of the City.

HDR will continue to invoice the City on a per diem plus Reimbursable Expenses basis pursuant to the Agreement. Compensation terms are defined in the Agreement between the City and HDR.

Amendment No. 1 Fee Estimate Table

Task 1-3 Fee	\$94,430
Optional Task 1B	\$32,140
Total Contract Fee (approved January 27, 2017)	\$126,570
Amendment No. 1:	
Remove Optional Task 1B	(\$32,140)
Add New Task 4 – Additional Design Services	\$14,980
Amendment No. 1 Fee Adjustment	(\$17,160)
Amended Total Contract Fee	\$109,410

RESOLUTION 2017-168

WHEREAS, on January 24, 2017, via Resolution No. 2017-12, City Council approved an agreement between the City of Grand Island and HDR Engineering, Inc. of Omaha, Nebraska for engineering services related to Cell 3 Liner Construction at the Grand Island Regional Landfill, in the amount of \$126,570.00; and

WHEREAS, it is necessary to add the design and specifications for a new leachate control room to the original engineering services agreement with HDR Engineering, Inc; and

WHEREAS, it is also recommended that the City not implement the optional permit modification provided in the original scope of services; and

WHEREAS, such modifications to the original agreement are detailed in Amendment No. 1 and result in an agreement decrease of \$17,160.00, for a revised agreement amount of \$109,410.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that Amendment No. 1 to the Engineering Services Agreement between the City of Grand Island and HDR Engineering, Inc. of Omaha, Nebraska for engineering services related to Cell 3 Liner Construction at the Grand Island Regional Landfill, in the amount of (\$17,160.00), is hereby approved for a revised agreement amount of \$109,410.00.

BE IT FURTHER RESOLVED, that the Mayor is hereby authorized and directed to execute such amendment on behalf of the City of Grand Island.

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Adopted by the City Council of the City of Grand Island, Nebraska, June 13, 2017.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
June 9, 2017	☐ City Attorney