

AMENDMENT TO AGREEMENT
FOR
ENGINEERING SERVICES

WHEREAS:

HDR ENGINEERING, INC. ("HDR") entered into an Agreement on February 14, 2017 to perform engineering services for City of Grand Island, Nebraska ("OWNER");

OWNER desires to amend this Agreement in order for HDR to perform services beyond those previously contemplated;

HDR is willing to amend the agreement and perform the additional engineering services.

NOW, THEREFORE, HDR and OWNER do hereby agree:

The Agreement and the terms and conditions therein shall remain unchanged other than those sections and exhibits listed below;

Section I Scope of Services shall be amended to include the attached Exhibit A Scope of Work.

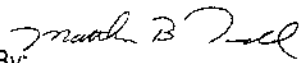
Section IV Compensation shall be amended to increase the not to exceed amount by \$267,000 to \$302,550.

Section V Period of Services shall be amended as detailed in the attached Exhibit A Scope of Work.

IN WITNESS WHEREOF, the parties hereto have executed this Amendment as of the day and year written below:

HDR ENGINEERING, INC. ("HDR")

CITY OF GRAND ISLAND, NEBRASKA ("OWNER")

By: 

By: 

Title: Senior Vice President

Title: Mayor

Date: Apr 27, 2020

Date: May 12, 2020

EXHIBIT A
SCOPE OF WORK

PART 1.0 PROJECT DESCRIPTION:

The Hall County Airport Authority (Authority) operates the Central Nebraska Regional Airport (CNRA) which was originally constructed in 1942 as a World War II Army Air Base. The Authority is currently responsible for the operation and maintenance of the sanitary sewer collection system that was constructed as part of the original air base. A substantial portion of the collection system is outside of the defined airport property. The collection system includes gravity sewers, lift stations, and force mains.

A Master Plan developed by HDR dated July 25, 2017 evaluated several options to address the sanitary sewer collection system at the CNRA. The recommended approach is to abandon the existing lift stations, collection system, and force main and construct a new lift station, collection system and force main. The improvements will include the rehabilitation of portions of the existing gravity sewer from the south point of connection for the force main to point of connection at East Capitol Avenue.

The Scope of Work is for the final design of a new lift station, collection system, and force main and the rehabilitation of a portion of the existing gravity sewer. The project also includes the abandonment of the existing system.

Key Understandings:

1. All travel will be in proximity to the City of Grand Island, Nebraska.
2. All meetings and presentations will be on site, at City Hall or at Authority administrative offices.
3. OWNER will establish protocol for communication with the Authority and Engineer for access to the site for topographic survey, geotechnical investigation, and wetlands delineation.
4. Authority will provide information on existing property ownership and easements.
5. OWNER will provide available sanitary sewer flow information and water use information.
6. OWNER provided CCTV data from 2015 sewer inspections will be used to locate service connections.
7. The location of the lift station and the general alignment of the gravity sewers and force main will be as shown for Option No. 7 included in the master plan.
8. The proposed gravity sewers and force main will be installed by open cut with the exception of trenchless installation at key road crossings.
9. OWNER will pay for all fees for permits.
10. Representatives from the Authority will be present at the kickoff meeting.
11. The proposed lift station will consist of:
 - Two submersible pumps – Flygt with variable frequency drives. Design will consider allocating space for a future third pump to

- accommodate future development, or consider a small pump / big pump arrangement.
 - Macerator.
 - Odor control.
 - Cast-in-place wet well with an adjacent valve vault.
 - Electrical controls building consisting of CMU block or pre-engineered building.
 - A backup generator – natural gas if available.
 - 480 volt power supply.
12. OWNER will provide standard lift station requirements, including applicable plans, specifications and equipment information, if available.
 13. Lateral improvements will be limited to 10 feet from sewer connection.
 14. The scope of work does include wetland delineation for the project and does include Clean Water Act Section 404 nationwide permit but does not include mitigation. The Section 404 work will proceed on an as requested basis by OWNER.
 15. Gravity sewer and force main alignments will be set based on aerial review of possible wetlands. If actual wetlands delineation finds a conflict, adjustment of sewer alignments can be completed as additional services.
 16. The scope of work does include preparation of up to ten (10) easement descriptions and exhibits for all gravity and force main sewers located outside of street right of way. ROW/Easement acquisition assistance (beyond stated) in contract amendment
 17. Easement descriptions will not be provided for City owned property.
 18. OWNER will arrange for recording of the final approved easements.
 19. The plans, specifications, and design report will be submitted to the Nebraska Department of Environment and Energy (NDEE) for review.
 20. ENGINEER will use HDR CADD standards and HDR master specifications for the development of the construction documents. Technical specifications that are not standard to Grand Island will be prepared by HDR as supplementary specifications.
 21. Front end documents will be prepared by OWNER.
 22. State Revolving Loan Funds may be used for the project and the bid documents may include the applicable requirements.
 23. The survey work will be completed by Olsson Associates as a subconsultant to HDR.
 24. The geotechnical investigation will be completed by Olsson Associates as a subconsultant to HDR. Survey to be based on Hall County LDP coordinate system.
 25. An allowance for potholing of service locations and depths is included in this scope. The allowance assumes potholing for up to 15 services.
 26. All plan submittals will be half size (11 x 17).
 27. Ten hard copies of the plans will be provided for the final submittal.
 28. Final plans will be provided in PDF format. Opinions of probable construction costs will be provided in EXCEL format.

29. Final plans will be provided electronically in AutoCADD Civil 3D format for incorporation into the City's GIS system.
30. The task for participating in meetings with the Authority will be as requested by OWNER.
31. Assume continuous access is required along Airport Road and access must be maintained to airport at all times with no detours

PART 2.0 SCOPE OF SERVICES TO BE PERFORMED BY ENGINEER

Task Series 100 – Development of Draft Documents

Objective: Preparation of the plans and specifications to the 30% level of completion.

HDR Activities

110 – Kickoff Meeting

- Assemble available project data.
- Establish design parameters.
- Develop list of required design information needed from OWNER. The list will be provided two weeks prior to the meeting.
- Attend one meeting on site with OWNER and Authority to review list of needed information. The meeting will address:
 - Lateral connections.
 - Access to restricted areas.
 - Gravity sewer and force main alignments.
 - Lift station requirements including SCADA and controls.
 - Definition of service area boundary and projected loadings.
 - Project schedule.
 - Coordination
- OWNER shall make staff available at project kick-off meeting to allow ENGINEER access to manholes and existing two pump stations and Lift Station #11, #25 and #26.
- Summarize and distribute meeting notes.

120 – Field Investigation

- Perform geotechnical investigation at the proposed lift station location and along proposed force main route and gravity sewer routes. Prepare report.
- Perform topographic survey of the proposed lift station site, force main route, and gravity sewer routes.

130 – Development of Design Memorandum (30% Design)

- Evaluate the anticipated sewer flows for the proposed lift station.
- Evaluate the potential future connections and flows.
- Evaluate the existing connections and laterals.

- Evaluate the rehabilitation of the gravity line from the force main point of connection to the Capital/Geddes manhole.
- Finalize the sizing of the lift station and force main including pumps, wet well, and controls.
- Prepare draft basis of design memorandum for review.
 - Develop plans to 30 percent level of completion.
 - Gravity Sewer – Plan/Profile
 - Force Main – Plan/Profile
 - Lift Station Details
- Submit three hard copies of the draft memorandum for review.
- Develop recommended limits of the temporary and permanent easements.
- Perform quality control review of documents prior to submittal.
- Prepare preliminary opinion of probable construction cost.
- Attend one meeting to receive review comments on the draft memorandum.
- Incorporate the review comments and finalize the memorandum.

140 – Submittal and Review Meeting

- Submit three hard copy sets of plans and specifications to the OWNER for review.
- Attend one plan review meeting on site.
- Summarize and distribute the meeting notes.

Deliverables: Geotechnical report
 Meeting notes
 Draft basis of design memorandum
 Final basis of design memorandum
 30% contract documents

Task Series 200 – Development of Final Documents and Regulatory Review

Objective: Preparation of the plans and specifications to the 90% level of completion and obtain regulatory approval.

HDR Activities **210 – Develop Plans and Specifications to 90%**

- Incorporate review comments from 30% review meeting.
- Finalize easement descriptions and exhibits.
- Develop plans and specifications to 90% level of completion.
- Complete lift station design.
- Complete gravity sewer and force main design.
- Develop abandonment plans and phasing plans.
- Perform quality control review of documents prior to submittal.

- Prepare opinion of probable construction cost.
- Anticipated list of plans:
 - Title Sheet
 - General Notes
 - Existing Topography
 - Control/Benchmark Plan
 - Standard Notes
 - Details
 - Erosion Control
 - Dewatering Plan
 - Temporary Traffic Control
 - Demolition Plans
 - Gravity Sewer – Plan/Profile
 - Force Main – Plan/Profile
 - Sewer Rehabilitation
 - Lift Station Details
 - Electrical Control Building Plan and Sections
 - Electrical Details
- Develop storm water pollution prevention plan (SWPPP).
- Prepare bid form and complete front end documents.
- Perform quality control review of documents prior to submittal.
- Update opinion of probable construction cost

220 – Submittal and Review Meeting

- Submit three sets of plans and specifications to the OWNER for review.
- Attend one plan review meeting on site.
- Summarize and distribute meeting notes.

230 – Regulatory Submittal

- Incorporate OWNER review comments.
- Submit three sets of plans and specifications to NDEE for review and approval.
- Prepare the storm water permit application for OWNER execution.
- Initiate project on NDEE website for NPDES permit.
- Receive review comments.
- Incorporate review comments and finalize plans and specifications to 100 percent level of completion.

240 – Bid Phase Services

- Provide the notice to bidders to OWNER for publication.
- Distribute bidding documents to bidders.
- Conduct one pre-bid meeting and prepare meeting notes.
- Issue up to two addenda.

- Prepare letter of recommendation.

Deliverables: 90% contract documents for review.
 100% contract documents – ten copies.
 Easement descriptions and exhibits.
 NDEE submittal including contract documents and design memorandum.
 NDEE NPDES permit application.

Task Series 300 – Wetlands Delineation

Objective: Delineate potential wetlands and waters of the U.S. along the sewer corridor, in accordance with the U.S. Army Corps of Engineers 1987 Wetland Delineation Manual and 2010 Midwest Regional Supplement. Prepare a Wetland Delineation Report which defines the type, size, and location of delineated wetlands and waters of the U.S.

Assumptions:

- Authority will provide access for wetland delineation.
- Two HDR scientists will complete the wetland delineation fieldwork.
- This scope of work includes a Clean Water Act (CWA) Section 404 nationwide permit application.
- It is assumed that a mitigation plan and/or a CWA Section 404 individual permit are not required.
- This scope of work does not include any species habitat surveys, hazardous materials surveys, or cultural resource surveys.
- The scope of work does not include a record search for potential cultural or historic resources; the work does include an electronic submittal to the Nebraska Conservation and Environmental Review Tool (CERT) for threatened and endangered species review.
- It is anticipated that: 1) the project would be designed in accordance with all CWA Section 401 Water Quality Certification conditions, as defined by NDEE, 2) that the PCN is sufficient to facilitate Section 401 approval, and 3) a separate submittal to NDEE is not required.

HDR Activities 310 - Wetlands Delineation and Report

311 - Background Review

- Review existing resources/databases.
- Complete an agricultural determination using recent National Agriculture Imagery Program (NAIP) aerial photography.

312 – Site Visit

- Complete wetland delineations on the site, in accordance with the U.S. Army Corps of Engineers 1987 Wetlands Delineation Manual and the 2010 Great Plains Regional Supplement.

313 – Prepare Report

- Prepare a wetland delineation report to include the located boundaries and associated types of all identified wetlands.
- Data will be plotted using a GPS unit and post-processed for corrections in ArcMap.
- Photographs will document each wetland point.

320 – Section 404 Nationwide Permit Application

321 – Permit Application

- Prepare and submit a Clean Water Act Section 404 Nationwide Permit Application/Pre-Construction Notification (PCN) to USACE.
- The PCN would be intended to facilitate USACE project authorization under Section 404.

322 – Post Application Coordination

- Participate in post-application coordination with USACE in order to answer their questions and provide requested information on the permit application.

Deliverable: Wetlands delineation report.
Section 404 Nationwide Permit Application

Task Series 400 – Authority Meetings

Objective: Attend meetings with the Authority to assist with the development of the agreement between the OWNER and the Authority. Attendance will be on an as requested basis. Two meetings are included.

HDR Activities **10 – Authority Meeting**

- Assemble available project data.

Task Series 500 – Environmental Investigation

Objective: Conduct drilling services, field exploration and environmental sampling and analysis should jet fuel, other hydrocarbons or heavy metals be detected by field crew(s) during the geotechnical investigation conducted in Task 120.

HDR Activities **510 – Field Investigation and Laboratory Services**

- Perform field exploration and drilling services for up to three (3) additional soil test borings.

- Perform environmental sampling and analysis for up to three (3) borings. Conduct Volatile Organic Compounds (VOC), 8 RCRA and Total Petroleum Hydrocarbons (OA-2) tests on each soil sample and groundwater sample.
- Prepare report.

Deliverable: Environmental Services report.

Task Series 600 – Service Connections Potholing

Objective: Pothole excavation of service connections for confirmation of depth of service.

HDR Activities **610 – Potholing Services**

- Perform field pothole excavation for up to 15 service connections.
- Survey flag pothole location.
- Survey elevation of service connection.

Assumptions:

- Allowance for potholing for up to 15 service connections.
- Assume 8 hours per service connection pothole for excavation, depth measurement and backfill.
- Backfill excavation with fill sand and topsoil layer with grass seed.
- Pothole locations will be located to avoid excavation through concrete, asphalt and other hardened surfaces.
- Scope does not include replacement of concrete or asphalt surfaces.

Deliverable: Summary Memo of service connection locations and elevations.

PART 3.0 OWNER’S RESPONSIBILITIES:

1. Payment of all fees for permits.
2. Sanitary sewer flow data.
3. Access for survey, geotechnical investigation, wetlands delineation, services potholing and route evaluation.
4. Information on existing property ownership and easements.
5. Payment of all easements and County recording fees.
6. Timely review of submitted documents.
7. Execution of all permits applications.
8. Provide meeting venue as necessary.

PART 4.0 PERIODS OF SERVICE:

The following schedule assumes a May 12, 2020 Notice to Proceed. Schedule is subject to change based on the status of negotiations between Owner and Airport.

Notice to Proceed:	May 12, 2020
Field Investigations:	May 12 th – June 23 rd
30% Design Memorandum:	July 25, 2020
Easement Descriptions:	September 26, 2020
90% Design Submittal:	October 10, 2020
Final Plans:	November 21, 2020
Bid Opening:	December 21, 2020
Wetlands Delineation:	May 29, 2020



CITY AIRPORT

ABANDON NORTH PUMP STATION
RECONSTRUCT SEWER SERVICES
ABANDON 8" GRAVITY SEWER
NEW 8" DIA. SANITARY SEWER
NEW PUMP STATION
NEW 8" DIA. FORCE MAIN
LAW ENFORCEMENT TRAINING CENTER
ABANDON 8" GRAVITY SEWER
CENTRAL NEBRASKA REGIONAL AIRPORT
ABANDON SOUTH PUMP STATION
ABANDON 6" FORCE MAIN
ABANDON 8" FORCE MAIN

LEGEND:

	EXISTING FORCE MAIN
	NEW FORCE MAIN
	EXISTING GRAVITY SEWER
	NEW GRAVITY SEWER
	PUMP STATION

OPTION NO. 7:
CONSTRUCT CENTRALLY LOCATED PUMP STATION AND REPLACE COLLECTION SYSTEM PIPING

FIGURE 9