

**FIRST AMENDMENT
ENGINEERING AGREEMENT FOR
2020 COUNTYWIDE WETLAND DELINEATION SERVICES
IN LANCASTER COUNTY, NEBRASKA**

THIS AMENDMENT ("Amendment") entered into by and between the firm of JEO, hereinafter referred to as the "ENGINEER", and Lancaster County, hereinafter referred to as the "COUNTY". Collectively the County and the Engineer may be referred to as "the Parties."

WHEREAS, on September 17, 2019, the Parties entered into a contract for wetland delineation services for 18 sites in Lancaster County, Nebraska, under County Contract No. C-19-0709 ("the Agreement"); and

WHEREAS, the Parties hereby amend the Agreement to add additional services which include wetland delineations and preparation of wetland delineation reports for Lancaster County's proposed 2020 F Bridges Replacement program (See Appendix A);

WHEREAS, the expenditure for these additional services shall not exceed \$6,136.25 (See Appendix A);

WHEREAS, the revised contract total with the additional services is estimated to be \$38,209.25;

NOW, THEREFORE, in consideration of the mutual covenants contained herein and in the Agreement, the Parties hereto agree as follows:

- 1) The Parties hereby amend the Agreement to add additional services which include wetland delineations and preparation of wetland delineation reports for Lancaster County's proposed 2020 F Bridges Replacement program (See Appendix A).
- 2) The expenditure for these additional services shall not exceed \$6,136.25 (See Appendix A).
- 3) The revised contract total with the additional services is estimated to be \$38,209.25.
- 4) All other terms and conditions of the Agreement not in conflict with this Amendment, shall remain in full force and effect.

This Amendment shall be binding upon the Parties, their heirs, administrators, executors, legal and personal representatives, successors, and assigns.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed by their duty authorized representative.

EXECUTED by the ENGINEER this 16th day of October, 2019.



Signature

Jason Morovitz, Senior Environmental Scientist

Name & Title

JEO Consulting Group

Firm Name

2700 Fletcher Avenue

Address

Lincoln

NE

68504

City

State

Zip

EXECUTED by the COUNTY this _____ day of _____, 20____.

LANCASTER COUNTY BOARD OF COMMISSIONERS

Approved as to form

This _____ day of _____, 2019.

Deputy County Attorney

JEO Proposal and Estimated Fees
for
Lancaster County 2020 F Bridges Replacement
County Project #: 20-09, Addendum 1
JEO Project #: 191490.01
Wetland Delineations and Reports
Prepared 10/11/19

Project Description

JEO Consulting Group, Inc. (JEO) is providing this proposal and fee estimate to conduct wetland delineations and prepare wetland delineation reports for Lancaster County's proposed 2020 F Bridges Replacement program. The wetland delineations would identify all wetlands and other waters that may be considered Waters of the U.S. (WOUS) subject to regulation by the U.S. Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act.

It is JEO's understanding that there are four sites in the 2020 F Bridges Replacement program. The study area for each site will consist of 75 feet on the inlet side, 100 feet on the outlet side, and 150 feet up and down station. The four sites include:

- F-79 & F-29
- F-81
- F-85
- F-128

Note that F-79 & F-29 was previously delineated in 2018 and that data will be reused. Therefore, a fee has not been included to delineate that site. Rather, a fee has been included only to complete the wetland delineation report for that site.

Project Scope and Fee

Task Series 100 – Wetland Delineation & Report

- **110 – Desktop Review/Mobilization:**
 Prior to conducting field work, JEO will identify potential WOUS, including wetlands, in the study area by researching publicly-available data and resources including, but not limited to: current and historic aerial imagery, National Wetlands Inventory, National Hydrography Dataset, hydric soils, topography, and/or floodplains. Reviewing these resources prior to conducting the field investigation allows work to be focused on areas most likely to contain wetlands, either currently or historically, and to be impacted by the proposed project.
- **120 – Site Visit/Field Work:**
 JEO will conduct a site visit to delineate all potential WOUS, including wetlands, in the study area. The on-site wetland delineation will be conducted in accordance with the 1987 USACE Wetlands Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0). Information pertaining to vegetation, soils, and hydrology will be collected at paired data points (e.g., one wetland and one upland), with at least one set of paired data points for each aquatic resource observed on-site. Boundaries of all aquatic resources identified on-site will be recorded in the field using a hand-held GPS with sub-meter accuracy (e.g., Trimble R1 and Collector for ArcGIS or Trimble GeoXH).
- **130 – Wetland Delineation Report:**
 Upon completion of the site visit, JEO will analyze and compile the field data into a wetland delineation report that will detail findings and identify potential WOUS, including wetlands, located in the study area. The wetland delineation report will include the following:

- Project site location
- Summary of desktop review
- Identification and mapping of boundaries for all recorded WOUS, including wetlands
- Identification of the types of WOUS, including wetlands, present on-site (i.e., Cowardin classification and Nebraska Wetland Subclass)
- Photographs of each sample point and all WOUS, including wetlands
- USACE Wetland Determination Data Forms

Task Series 200 – Project Management, Meetings, & QA/QC

- 210 – Project Management, Meetings, & QA/QC:
JEO’s project manager will oversee all aspects of the project and will attend meetings, as necessary, with Lancaster County. JEO’s project manager will also conduct all QA/QC activities to ensure accuracy and completeness in all documents prepared for this project.

Deliverables

- Wetland Delineation & Report
 - A .dwg file of delineated wetlands for each site in Lancaster County Horizontal Control Datum per the Lancaster County Engineering Department Map Projection suitable for a 2-W Plan Sheet. The .dwg files will be provided to Lancaster County on or before November 29, 2019.
 - An electronic copy of the wetland delineation report for each site. Reports will be provided to Lancaster County on or before February 28, 2020.

Proposed Project Schedule

The project schedule is dependent upon project direction from Lancaster County and availability of project design plans. Any field/delineation work completed outside of the growing season (May 1 – October 31) may not be accepted by USACE Nebraska Regulatory Office staff. While this time frame is based on a calendar year, it closely follows the general growing season in the State of Nebraska. This time frame may be flexible depending on weather patterns and coordination with USACE Nebraska Regulatory Office staff. It is anticipated that Notice to Proceed would be given prior to October 18, 2019, and that field activities would be completed prior to October 31, 2019.

Project Fee

The estimate for completing the tasks identified above is a **time and materials, not to exceed fee of \$6,136.25**. Separate costs for each site follow.

● F-79 & F-29	\$815.00	● F-85	\$1,773.75
● F-81	\$1,773.75	● F-128	\$1,773.75

The services stated above are billed based on JEO’s standard hourly rates for 2019. Lancaster County will be billed monthly for services to date. Invoices are due upon receipt. JEO will provide additional services via contract amendment at Lancaster County’s request. JEO reserves the right to redistribute fee amongst individual tasks as needed, so long as the total NTE contract amount does not change.

Services not Included

- Delineation of WOUS, including wetlands, outside of the identified study area.
- Section 404 permitting.
- Coordination with resource/regulatory agencies (e.g., USACE, USFWS, NGPC, SHPO, NDEE).
- Compensatory mitigation (mitigation plan, design, construction, seeding, or monitoring).
- Other biological surveys or compliance with other agency requests.
- Development of Habitat Conservation Plan documents.
- Endangered and/or threatened species-specific surveys.

- Floodplain permitting.
- NPDES permitting/compliance.
- Obtaining right-of-entry to study area properties.
- Additional revisions and resubmittals beyond those mentioned above.

Proposal and Fee Expiration

The information contained in this proposal and fee estimate is valid until October 31, 2019. After that date, the scope of services, schedule, and estimated fee are subject to adjustment.