

**CITY OF LA VISTA
MAYOR AND CITY COUNCIL REPORT
OCTOBER 18, 2022 AGENDA**

| Subject: | Type: | Submitted By: |
|--|---|----------------------------|
| PROFESSIONAL SERVICES AGREEMENT – AUTHORIZE AMENDMENT NO. 1 | ◆ RESOLUTION ORDINANCE RECEIVE/FILE | PAT DOWSE CITY ENGINEER |

SYNOPSIS

A resolution has been prepared to approve Amendment No. 1 to the Professional Services Agreement with Olsson, Inc to provide certain special inspections and construction materials testing associated with the Link project for an additional amount of \$48,925 for a total contract amount not to exceed \$89,065.

FISCAL IMPACT

The FY23/FY24 Biennial Budget includes funding for these services.

RECOMMENDATION

Approval.

BACKGROUND

The Link project requires certain Owner provided Special Inspections and Construction Materials Testing for the earthwork, utility backfill, pipe pile foundations, and reinforced concrete work within the project. Olsson's initial scope of work that was approved on June 7, 2022, was related to the initial bid package produced by RDG. Subsequent bid packages and a deeper understanding of the required testing has allowed for Olsson, Inc to refine their scope of work to encompass the remaining anticipated testing and special inspections required to confirm contractor conformance with the project plans and specifications.

A copy of the scope is attached.

RESOLUTION NO. _____

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF LA VISTA, NEBRASKA AUTHORIZING THE EXECUTION OF AMENDMENT NO. 1 TO A PROFESSIONAL SERVICES AGREEMENT WITH OLSSON, INC FOR CERTAIN SPECIAL INSPECTIONS AND MATERIALS TESTING ASSOCIATED WITH THE LINK PROJECT FOR AN ADDITIONAL AMOUNT OF \$48,925.00 FOR A TOTAL CONTRACT AMOUNT NOT TO EXCEED \$89,065.00.

WHEREAS, the City Council of the City of La Vista has determined that bridge inspection services are necessary; and

WHEREAS, the FY23/FY24 Biennial Budget includes funding for this project;

WHEREAS, Subsection (C) (9) of Section 31.23 of the La Vista Municipal Code requires that the City Administrator secure Council approval prior to authorizing any expenditure over \$5,000.00.

NOW, THEREFORE BE IT RESOLVED, by the Mayor and City Council of La Vista, Nebraska, authorizing the execution of Amendment No. 1 to a professional services agreement with Olsson, Inc for certain special inspections and materials testing associated with the Link project for an additional amount of \$48,925.00 for a total contract amount not to exceed \$89,065.00.

PASSED AND APPROVED THIS 18TH DAY OF OCTOBER 2022.

CITY OF LA VISTA

Douglas Kindig, Mayor

ATTEST:

Pamela A. Buethe, MMC
City Clerk

LETTER AGREEMENT AMENDMENT #1



Date: September 26, 2022

This AMENDMENT ("Amendment") shall amend and become a part of the Letter Agreement for Professional Services dated June 1st, 2022, between City of La Vista ("Client") and Olsson, Inc. ("Olsson") providing for professional services for the following Project (the "Agreement"):

PROJECT DESCRIPTION AND LOCATION

Project Description: Bid Package 02 - City of La Vista Pavilion & Site Improvements
Project Location: 9302 City Center Drive, La Vista, NE

PROJECT UNDERSTANDING

Olsson understands the project will consist of public improvements within Central Park, including a two-story pavilion structure with approximate area of 10,000 square feet. The pavilion structure will consist mainly of steel framing supported by cast-in-place spread footings. The project will also include construction of a boardwalk structure supported by a composite driven pipe pile deep foundation system. Additional improvements will include covered and open-air plaza spaces, pedestrian connections, water features, gravity retaining wall, associated utilities and will provide pedestrian connectivity between Central Park and the adjacent Mixed-Use Redevelopment Project area in the form of stairs and an accessible path.

Olsson understands special inspections and testing services for bid package 02 under this amendment includes interior and exterior subgrades; pavilion structure cast-in-place foundation walls, steel framing, masonry construction, interior flatwork, cast-in-place site walls and retaining walls, structural backfill of site walls, Redi-Rock gravity wall construction, stairways, sidewalks, recreation trail connection, plaza areas, and pavement construction.

SCHEDULE OF FEES

Olsson shall provide the following services (Scope of Services) to the Client for the Project:

| Scope of Work | | Estimated Budget | Fee Type | Authorization |
|---|--|------------------|----------------|--|
| Task I | Bid Package 01 - Special Inspections and Materials Testing | \$24,840.00 | Time & Expense | Approved per letter agreement dated 6/1/2022 |
| Task II | La Vista City Centre SWPPP Inspection services – 17-month duration | \$15,300.00 | Time & Expense | Approved per letter agreement dated 6/1/2022 |
| Amendment #1 - Bid Package 02 Inspections and Testing Services | | \$48,925.00 | Time & Expense | Accept: _____ |
| New Total Contract Amount | | \$89,065.00 | Time & Expense | |

Field Services*

| | | |
|---------------------|----------|-------|
| Technician | per hour | 60.00 |
| Technician Overtime | per hour | 90.00 |

Administrative and Engineering Services

| | | |
|-----------------------|----------|--------|
| Administrative | per hour | 55.00 |
| Project Manager | per hour | 115.00 |
| Geotechnical Engineer | per hour | 125.00 |

Travel and Reimbursable Expenses

| | | |
|-------------------------------------|------------|------|
| Mileage (Estimated at \$5 per trip) | per mile | 0.75 |
| Other | Cost + 10% | |

Laboratory Testing and Equipment

| | | |
|--|----------|--------|
| Standard Proctor- soils | per test | 170.00 |
| Standard Proctor- aggregate | per test | 220.00 |
| Modified Proctor- soils | per test | 220.00 |
| Atterberg Limits | per test | 90.00 |
| P-200 Sieve Analysis | per test | 40.00 |
| Compressive Strength – Concrete | per test | 17.00 |
| Sieve Analysis > ¾" | per test | 150.00 |
| Dynamic Pile Testing Equipment (PDA) | per day | 500.00 |
| Low Strain Pile Integrity Test Equipment (PIT) | per day | 300.00 |

*Field services provided on Saturday, Sunday, Holidays, and in excess of 8-hours/day will be charged at 1.5 times the unit fee.

Olsson is not responsible for the Contractor's means or methods and does not have the obligation or authority to stop Contractor's work. Olsson's responsibility as special inspector is to report our field observations and test results to the Contractor and Client as provided herein. Olsson understands the scope of work for the special inspections and construction materials testing consists of the following:

SCOPE OF SERVICES BID PACKAGE 02

SPECIAL INSPECTIONS AND MATERIAL TESTING SERVICES

Amended services provided by Olsson are described as follows:

- **Fill and Backfill Placement** – Olsson will obtain samples of materials proposed for use as structural fill for laboratory testing. Laboratory tests, including standard Proctors and Atterberg limits tests, will be performed to classify and determine physical properties of the proposed fill materials. Olsson will observe the exposed subgrade within the construction limits to document unsuitable soils have been removed and to identify unstable areas that require additional excavation prior to fill placement. Olsson will observe and perform compaction tests on the structural fill placed during site development activities. Olsson has estimated the following based on periodic testing:
 - Cast-in-place Wall Backfill
 - 25 site visits anticipated to perform testing and observation services during backfill of site retaining walls and foundation walls
 - Building and Pavement Subgrades

- 3 site visits anticipated to perform testing and observation services for interior slab-on-grade subgrades
- 12 site visits anticipated for pavement, sidewalks, and recreation trail subgrades

Reinforced Concrete – Olsson will observe placement of reinforcing steel for the pavillion and boardwalk footings. Field tests including slump, air entrainment, and temperature will be performed on samples of concrete obtained from these structures. Cylinders will be cast from the concrete used in the construction of the structure for compressive strength testing at the rate of one test per 50 CY placed. Olsson has estimated the following:

- 33 – Sets of 5 (4"x8") compressive strength specimens for the reinforced structures
 - Pavilion structure
 - Foundation walls – 5 placement events (5 sets)
 - 5 additional site visits anticipated to observe reinforcing steel prior to form close-up
 - Lower-level slab-on-grade – 1 placement events (2 sets)
 - Main level slab-on-grade and elevated slabs – 5 placement events (5 sets)
 - Boardwalk cast-in place walls – 2 placement events (2 sets)
 - Cast-in-place site retaining walls – 12 placement events (12 sets)
 - 12 additional site visits anticipated to observe reinforcing steel prior to form close-up
 - Water well and fountain vault walls – 7 placement events (7 sets)

Structural Masonry – Olsson will observe construction of the structural masonry walls on a periodic basis prior to grouting operations and continuous observations during grouting per partial 2018 IBC Level B quality assurance requirements. Olsson has estimated one site visit per each 500 square feet of masonry wall for observation of reinforcing and grouting procedures. Samples of masonry materials used in construction will be attained for laboratory testing at a frequency of 1 set of compressive strength specimens per 5,000 square feet of masonry constructed. Olsson has estimated the following:

- 27 – Site visits for Level B inspection and observation of reinforcing steel, grout placement, wall construction and sampling of masonry materials for laboratory testing
 - Pavilion Main Level
 - 2 sets of 4 grout prism specimens
 - 2 sets of 3 mortar cube specimens

Structural Steel / Precast Concrete Connections – Olsson will provide a steel technician during erection of the structural steel building frame. Field bolted and welded connections will be observed. Olsson requires welding procedures and welder qualification test records for AWS Codes D1.1, D1.3 and D1.4 to be provided to us for review and submitted to the project structural engineer for approval, if necessary, prior to welding being performed. Olsson will attend a preconstruction meeting with the general contractor superintendent and the structural steel erection contractor to coordinate a pre-installation verification of bolts and field observations of bolted and welded connections. Partial-penetration, full-penetration and multi-pass fillet welds require full-time observation during the welding process in accordance with Chapter 17 of the Building Code, this scope of work reflects performing 100% Ultrasonic Testing of Partial and Full Penetration welds for the moment connections in-lieu of continuous observation of the welding. Olsson has estimated the following:

- 5 – Site visits for observation of welded and bolted connections for framing and roof decking
 - 4 hours per site visit

Floor Flatness/Levelness – Olsson will perform floor flatness/levelness testing with the FACE Dipstick 2272 floor flatness machine on interior floor slab on grade. Floor flatness testing will be performed within 72 hours of concrete placement with respect to ASTM E1155 and ACI 117. Olsson has estimated the following:

- 4 – Site visits for slab on grade
- Additional floor flatness surveys will be charged at the prescribed unit rates

Segmental Retaining Walls – Olsson should be provided a complete set of construction drawings which explicitly provide a design bearing pressure for segmental retaining walls before construction begins. If a design bearing pressure is not provided on the drawings, the design calculations including design assumptions such as design bearing pressure should accompany the drawings. Olsson strongly recommends a global stability analysis be performed by the Engineer of Record for all segmental retaining walls and cannot provide special inspection of walls for which a global stability has not been performed.

The bearing soils below the segmental retaining walls will be evaluated with respect to the design bearing pressure. Installation of the granular leveling course or concrete leveling pad, placement of drainage backfills, reinforced soil backfills, and geogrid during construction of the wall will be observed. Field moisture-density tests will be performed in the reinforced soil backfill.

- Redi-Rock Retaining Wall
 - 15 site visits anticipated to perform observation and testing during over-excavation activities
 - 3 site visits with reporting/recommendations anticipated by geotechnical engineer to evaluate bearing grades and over-excavation
 - 30 site visits to perform observations and field density testing during wall construction
 - 2.5 hours per trip to test multiple lifts
 - 2 bulk samples of granular material to be used as base and drainage for laboratory sieve analysis testing

Concrete Pavements and Sidewalks – Olsson will observe placement of concrete for the exterior concrete pavements. Field tests, including slump, air entrainment and temperature, will be performed on samples of concrete obtained from these structures. Cylinders will be cast from the concrete used for compressive strength testing at a rate of 100 CY of concrete placed. Olsson has estimated the following:

- 10 sets of 5-(4"x8") compressive strength specimens for 8" concrete pavement
- 9 sets of 5-(4"x8") compressive strength specimens for 9" concrete sidewalks, exterior stair ways, and plaza
- 2 Sets of 4-(4"x8") compressive strength specimens for 5" concrete sidewalk at north recreational trail
- **Exclusions** – Olsson has excluded core sampling and testing of exterior pavement to verify installed thickness. We can perform this service with unit rates and estimated fees available upon request.

PROPOSED SCOPE OF WORK:

AMENDMENT 1

**CITY OF LA VISTA CENTRAL PARK PAVILLION & SITE IMPROVEMENTS
BID PACKAGE 02 – SPECIAL INSPECTIONS AND MATERIAL TESTING SERVICES**

Fill and Backfill Placement

| | | | | | |
|----|-------------------|---------|-------|----|----------|
| 60 | hrs Technician @ | \$60.00 | /hr | \$ | 3,600.00 |
| 25 | trips (mileage) @ | \$5.00 | /trip | \$ | 125.00 |

Building/Pavement Subgrades

| | | | | | |
|----|-------------------|---------|-------|----|----------|
| 30 | hrs Technician @ | \$60.00 | /hr | \$ | 1,800.00 |
| 15 | trips (mileage) @ | \$5.00 | /trip | \$ | 75.00 |

Reinforced Concrete

| | | | | | |
|-----|-------------------------------|---------|-------|----|----------|
| 115 | hrs Technician @ | \$60.00 | /hr | \$ | 6,900.00 |
| 165 | Compression Test - Concrete @ | \$17.00 | /each | \$ | 2,805.00 |
| 45 | trips (mileage) @ | \$5.00 | /trip | \$ | 225.00 |

Structural Masonry

| | | | | | |
|-----|----------------------------------|---------|-------|----|----------|
| 100 | hrs Technician @ | \$60.00 | /hr | \$ | 6,000.00 |
| 6 | Compression Test - Mortar Cube @ | \$20.00 | /each | \$ | 120.00 |
| 8 | Compression Test - Grout Prism@ | \$30.00 | /each | \$ | 240.00 |
| 27 | trips (mileage) @ | \$5.00 | /trip | \$ | 135.00 |

Structural Steel

| | | | | | |
|----|------------------------|---------|-------|----|----------|
| 20 | hrs Steel Technician @ | \$90.00 | /hr | \$ | 1,800.00 |
| 5 | trips (mileage) @ | \$5.00 | /trip | \$ | 25.00 |

Floor Flatness/Levelness

| | | | | | |
|----|---------------------------|----------|-------|----|--------|
| 16 | hrs Technician @ | \$60.00 | /hr | \$ | 960.00 |
| 4 | Use(s) of Floor Machine @ | \$150.00 | /use | \$ | 600.00 |
| 4 | trips (mileage) @ | \$5.00 | /trip | \$ | 20.00 |

Segmental Retaining Walls

| | | | | | |
|-----|-----------------------------|----------|-------|----|----------|
| 120 | hrs Technician @ | \$60.00 | /hr | \$ | 7,200.00 |
| 20 | hrs Geotechnical Engineer @ | \$125.00 | /each | \$ | 2,500.00 |
| 2 | Sieve Analysis > 3/4" @ | \$150.00 | /each | \$ | 300.00 |
| 48 | trips (mileage) @ | \$5.00 | /trip | \$ | 240.00 |

Concrete Pavements/Sidewalks

| | | | | | |
|-----|-------------------------------|---------|-------|----|----------|
| 63 | hrs Technician @ | \$60.00 | /hr | \$ | 3,780.00 |
| 105 | Compression Test - Concrete @ | \$17.00 | /each | \$ | 1,785.00 |
| 21 | trips (mileage) @ | \$5.00 | /trip | \$ | 105.00 |

Reporting/Project Management

| | | | | | |
|----|-----------------------|----------|-----|----|----------|
| 65 | hrs Project Manager @ | \$115.00 | /hr | \$ | 7,475.00 |
| 2 | hrs Administrative @ | \$55.00 | /hr | \$ | 110.00 |

Total: \$ 48,925.00

The attached Scope of Work was prepared to show the maximum amount of time and materials it would take to complete the services required to complete the Project without anticipation of profits on account of any difference between the actual and estimated quantities. If the

construction methods utilized by contractors for the above referenced project increases the frequency of site visits and construction testing units as listed in the scope of work, this agreement shall be amended to supplement the cost of the out-of-scope services. Olsson will notify the Client if construction testing frequencies and site visits of the above scope of work are subject to increase due to construction methods or design changes prior to the commencement of said out of scope services.

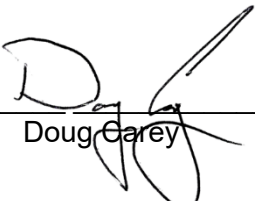
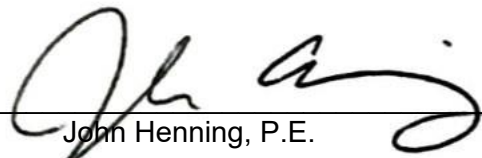
Olsson is committed to providing quality service to its clients, commensurate with their wants, needs and desired level of risk. If a portion of this proposal does not meet your needs, or if those needs have changed, Olsson stands ready to consider appropriate modifications, subject to the standards of care to which we adhere as professionals. If you have any questions or concerns regarding this scope of work, please contact Doug Carey at 402-827-7220 or at dacarey@olsson.com. We look forward to hearing from you and working with you and your firm on this project.

TERMS AND CONDITIONS OF SERVICE

All provisions of the original Agreement not specifically amended herein shall remain unchanged.

If this Contract Amendment satisfactorily sets forth your understanding of our agreement, please sign in the space provided below. Retain a copy for your files and return an executed original to Olsson. This proposal will be open for acceptance for a period of 30 days from the date set forth above, unless changed by us in writing.,

OLSSON, INC.

By  _____ By  _____
Doug Carey John Henning, P.E.

By signing below, you acknowledge that you have full authority to bind Client to the terms of this Amendment. If you accept this Amendment, please sign:

City of La Vista

By _____
Signature

Printed Name _____

Title _____

Dated: _____