

CITY OF LA VISTA
MAYOR AND CITY COUNCIL REPORT
SEPTEMBER 4, 2018 AGENDA

Subject:	Type:	Submitted By:
PROFESSIONAL SERVICES AGREEMENT CIVIC CENTER PARK-PHASE 2 CONSTRUCTION PHASE SERVICES AUTHORIZE AMENDMENT NO. 2	◆ RESOLUTION ORDINANCE RECEIVE/FILE	JOHN KOTTMANN CITY ENGINEER

SYNOPSIS

A resolution has been prepared authorizing Amendment No. 2 to a Professional Services Agreement on behalf of the City of La Vista with Thompson, Dreessen & Dorner, Inc. (TD2) to provide construction phase engineering services related to the Civic Center Park Phase 2 improvements and also including the Sanitary Sewer Relocation. Amendment No. 2 increases the not-to-exceed fee by \$84,000 for these additional services; contract total now \$321,500.00.

FISCAL IMPACT

The FY 19/20 Biennial Budget includes funding for Civic Center Park Phase 2.

RECOMMENDATION

Approval

BACKGROUND

The City Council authorized an agreement with TD2 on September 20, 2016 for design phase services for the Golf Course Transformation-Phase 1 Grading Plans. That agreement was amended on April 4, 2017 to include construction phase services for the Phase 1 Golf Course Transformation (Lake Grading). A contract has been awarded for construction of Phase 2 improvements, creating a need for construction phase engineering services for this portion of the project and a second amendment is proposed.

RESOLUTION NO. _____

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF LA VISTA APPROVING AMENDEMENT NO. 2 TO THE AGREEMENT FOR PROFESSIONAL SERVICES WITH THOMPSON, DREESSEN & DORNER, INC., OMAHA, NEBRASKA, ESTABLISHING AN AMOUNT NOT TO EXCEED \$321,500.

WHEREAS, the Mayor and City Council of the City of La Vista Nebraska have determined engineering services for Phase 2 of the Golf Course Transformation project and Sanitary Sewer relocation are necessary; and

WHEREAS, the FY 19/20 Biennial Budget includes funding for Civic Center Park Phase 2; and

WHEREAS, Amendment No. 2 increases the not to exceed amount by \$84,000.

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, that the Mayor and City Council of the City of La Vista, Nebraska, do hereby approve Amendment No. 2 to the agreement for professional services with Thompson, Dreessen, & Dorner, Inc., Omaha Nebraska, establishing an amount not to exceed \$321,500 subject to any changes the City Administrator or City Engineer determines necessary or advisable.

PASSED AND APPROVED THIS 4TH DAY OF SEPTEMBER, 2018.

CITY OF LA VISTA

Douglas Kindig, Mayor

ATTEST:

Pamela A. Buethe, CMC
City Clerk

**Proposal for Civil Engineering Services
La Vista Civic Center Park – Phase 2
Amendment No. 2**

This Amendment shall amend and become part of the Proposal for Civil Engineering Services for the La Vista Civic Center Park Phase 2 (formerly La Vista Phase 1 Golf Course Transformation – Proposed Lake Improvements) project dated September 9, 2016 between the City of La Vista (Owner) and Thompson, Dreessen & Dorner, Inc. (TD2).

Owner and TD2 hereby agree that TD2's engineering services under the Proposal is hereby amended by adding the services specifically described below for the additional compensation set forth below:

CIVIL ENGINEERING SERVICES:

1. **3D Video Update – Civic Center Park Phase 2:** TD2 will provide an update of the 3D video prepared during the Civic Center Park Phase 1 design. This update will include flying the project site with a drone to obtain updated video imagery. This updated imagery will be combined with Terrametrix scanned topographic survey information and RDG Planning & Design proposed Phase 2 improvements to create an updated 3D video.
2. **Pre-Construction "As-Built" Survey – Civic Center Park Phase 2:** TD2 will complete a pre-construction "as-built" survey within the limits of areas to be graded for the Phase 2 improvements per the grading plans provided to TD2 by RDG Planning & Design. The survey shall be conducted via conventional data collection ("ground-based") field survey.
3. **Construction Administration – Civic Center Park Phase 2 Sanitary Sewer Relocation:** TD2 will provide Construction Administration (CA) services related to the sanitary sewer relocation plans designed by TD2. These services will include construction observation, Contractor pay application review, review of shop drawing submittals and the review/response to Requests for Information (RFI) as outlined below:

Specific services and assumptions associated with this item are as follows:

- a. Full-time construction observation as needed during sanitary sewer relocation construction to monitor conformance with design plans and specifications.
- b. Review monthly Contractor pay application requests and provide payment recommendation to Owner.
- c. Review shop drawing submittals for items specifically related to the items designed and specified on TD2's construction drawings. Multiple re-submittals (more than one (1) resubmittal) caused by insufficient, inaccurate, or otherwise unacceptable information will be billed on an hourly basis.
- d. Review and respond to a maximum of five (5) Requests for Information (RFI) relating to our work from the contractor selected for the project. Contractor requests for plan changes and/or alternatives will be billed on an hourly basis as will additional RFI submittals.

4. **Construction Staking – Civic Center Park Phase 2 Sanitary Sewer Relocation:** TD2 will provide the construction staking requested by the contractor for the proposed sanitary sewer.
5. **Construction Testing – Civic Center Park Phase 2 Sanitary Sewer Relocation:** Pipe and manhole installation will be inspected and tested per the Project specifications. TD2 construction testing and inspection is expected to include compaction for all fills and backfills and observation and verification of piping, manholes, and accessories with the project specifications. TD2's geotechnical engineer will be available during excavation and backfill operations to provide requested observation and answer Contractor questions.

It is anticipated that TD2 construction testing (field and lab work) will require approximately thirty (30) hours per week on average and the project working schedule is estimated at eight (8) weeks. Inspections and observations will focus on excavations, dewatering (if necessary), and pipe and structure installation as per plan details and standard specifications. The field observation personnel

will communicate with the project team, but will not provide construction administrative duties to relay information between the Contractor and the Owner. Backfill of the piping will be tested upon completion of each run and structure and be performed using drilled and collected samples tested in the laboratory. CCTV inspection and "air" testing will be performed at the completion of piping installation, which includes the observation and report of test results and subcontracting of testing provider.

6. **Construction Staking – Civic Center Park Phase 2 Trail Construction:** TD2 will provide the construction staking requested by the contractor for the proposed trail and bio-retention basins with associated piping and structures.
7. **Construction Testing – Civic Center Park Phase 2 Trail Construction:** All grading and subgrade preparation will be inspected and tested per the Project specifications. TD2 construction testing and inspection is expected to include compaction for all fills. TD2's geotechnical engineer will be available for grading observation and to answer Contractor questions. Construction observation during trail pavement placement is included to verify materials, placement compliance with the plans, details, and specifications and general workmanship of placement. Construction testing of the trail pavement will be performed. Frequency of testing Portland cement concrete pavement is anticipated to be one test per 100 cubic yards of placement, but not less than one test per day. A concrete test includes; slump, air, temperature, and 4 – 4"x8" cylinders to check strengths at 7 and 28 days and report of results periodically as specimen's strength results become available. The field observation personnel will communicate with project team, but will not provide construction administrative duties to relay information between the Contractor and the Owner.

It is anticipated that TD2 construction testing (field and lab work) will require approximately twelve (12) hours per week on average to observe the progress of grading and to answer Contractor questions. Observations and inspections will focus on compaction and stabilization efforts by the Contractor. It is assumed that approximately four (4) hours per concrete test will be required. The trail paving phase working schedule is estimated at eight (8) weeks.

8. **Post-Construction "As-Built" Survey – Civic Center Park Phase 2:** TD2 will complete a post-construction "as-built" survey within the limits of areas graded during the Phase 2 improvements. The survey shall be conducted via the same conventional data collection methods as described under Task 2 above. Results from the post-construction survey will be compared by TD2 to the results of the pre-construction survey and one (1) calculation will be performed to determine quantities of soil excavated or placed as controlled fill by the Contractor. One (1) additional calculation will be performed by TD2, if requested by the Owner, to address any discrepancies that might be found.
9. **Meetings – Civic Center Phase 2:** Attend bi-weekly construction coordination meetings. Preparation, attendance and follow-up are estimated at four (4) hours per meeting and up to twelve (12) meetings are anticipated.

FEES

Task Description	Amendment No. 1 Fee Amount	Fee Type
3D Video Update	\$ 5,500.00	TMNTE
Pre-Construction "As-Built" Survey	\$ 7,500.00	TMNTE
Construction Administration – Sanitary Sewer Relocation	\$ 7,500.00	TMNTE
Construction Staking – Sanitary Sewer Relocation	\$ 3,000.00	TMNTE
Construction Testing – Sanitary Sewer Relocation	\$25,000.00	TMNTE
Construction Staking – Trail	\$ 5,000.00	TMNTE
Construction Testing – Trail	\$15,000.00	TMNTE
Post-Construction "As-Built Survey"	\$ 7,500.00	TMNTE
Meetings	\$ 8,000.00	TMNTE
Total	\$84,000.00	

TMNTE = Time and Materials Not-To-Exceed

TERMS AND LIMITATIONS

1. The fee estimate does not include any significant re-design or plan revisions.
2. All provision of the original Proposal not specifically amended herein shall remain unchanged.
3. A copy of TD2's current hourly rates, which are updated annually on approximately April 15th, is enclosed.

Submitted by,

THOMPSON, DREESSEN & DORNER, INC.



Scott R. Loos, P.E.

SRL/srl

Enclosure

This amendment is accepted this _____ day of _____, 2018 for:

City of La Vista

By: _____
(Signature)

Title: _____

THOMPSON, DREESSEN & DORNER, INC. 2018 RATE SCHEDULE

TITLE	HOURLY RATE
<u>LAND SURVEYING</u>	
Principal (L.S.)	\$145.00
Chief of Surveys (L.S.)	\$145.00
Registered Land Surveyor (L.S.)	\$130.00 - \$135.00
Crews	
3-Person Survey Crew	\$210.00
2-Person Survey Crew	\$165.00
1-Person Survey Crew	\$110.00
2-Person Survey Crew Drone	\$500.00
Senior Computer Aided Drafting Technician and Equipment	\$90.00 - \$100.00
<u>ENGINEERING</u>	
Principal	
Civil Principal (P.E.)	\$165.00
Structural Principal (P.E., S.E.)	\$150.00
Senior Engineer	
Senior Civil/Structural Engineer (P.E.)	\$110.00 - \$155.00
Staff Engineer	
Staff Civil/Structural Engineer (P.E.)	\$110.00
Staff Civil/Structural Engineering Intern (E.I.)	\$75.00 - \$100.00
Intern	\$45.00
AutoCAD Technician	
Senior Computer Aided Drafting Technician and Equipment	\$90.00 - \$100.00
Staff Computer Aided Drafting Technician and Equipment	\$60.00 - \$80.00
Engineering Technician	
Senior	\$75.00 - \$85.00
Staff	\$60.00
Construction Observer	
Senior	\$75.00 - \$110.00
Staff	\$60.00 - \$70.00
Staff/Intern	\$45.00 - \$55.00
Special Inspections	
Concrete/Masonry	\$65.00
Steel/Wood	\$75.00
Drill Rig Operator	
2 Man Crew	\$210.00
1 Man Crew	\$160.00
<u>ADMINISTRATION</u>	
Clerical	\$60.00 - \$120.00
<u>OTHER</u>	
Mileage	
Company Vehicle	\$.80/Mile
Personal Vehicle	\$.545/Mile
Governmental (State Law Max.)	\$.545/Mile
Electronic Data Collection Equipment	\$30.00 - \$45.00

Last updated 05/17/2018.