

Invoice

Thompson, Dreessen & Dörner, Inc.
Consulting Engineers & Land Surveyors
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COPY

APR 19 2011
April 18, 2011

Project No: 0171-392

Invoice No: 90741

John Kottmann
CITY OF La VISTA
8116 PARKVIEW BOULEVARD
LA VISTA, NE 68128

Project 0171-392 APPLEWOOD CREEK IMPROVEMENTS #11-0087

Professional Services from January 20, 2011 to April 3, 2011

Professional Personnel

Inspect Existing Channel and Perform Hydraulic Studies to Determine Baseline Flows

Total this Invoice

\$5,000.00

Consistent with fee
letter from TD2 attached.

O.K. to pay \$5,000

05.71.0815.02

JMK
4/22/2011

Consent
agenda

March 1, 2011

Mr. John Kottmann
City Engineer
City of La Vista
9900 Portal Road
La Vista, Nebraska 68128

Re: Applewood Creek Channel Improvements
Engineering Services Estimate
TD2 File No. 171-392.1

Dear Mr. Kottmann:

We appreciate the opportunity to provide engineering services for the Applewood Creek Channel Improvement Project. We understand that you desire to have a plan developed for improving Applewood Creek Channel from the BNSF Railroad Crossing (approximately 101st Street and Brentwood Drive) to Giles Road (approximately 102nd Street and Giles Road). The objective of the project is to clear the channel of debris consisting mostly as downed trees and branches and address the segment of the stream experiencing severe bank erosion sloughing and cutting. "Green" stabilization techniques are intended to be utilized to the extent practical when developing the improvement plans.

The engineering services for the project shall be completed in steps and the estimated cost of engineering services for each is as follows:

1. Provide existing topographic survey (completed 12-10-10)
 - a. Invoiced - \$13,000.00
2. Evaluate existing drainage studies and upstream run-off to determine baseline flows along the Channel. Inspect the Channel and surrounding area to determine the extent of wetlands.
 - a. Estimated Fee - \$5,000.00
3. Provide assistance in preparing necessary Corps of Engineer's Application for work in the Channel. Wetlands delineation of the Channel and adjacent uplands shall be performed by a qualified person. Such work to include meeting with representatives from the City of La Vista, Corps of Engineers, and Papio-Missouri Natural Resources District to present results of the Drainage Study and recommendation for Channel improvements.
 - a. Estimated Fee - \$8,500.00

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4. Prepare the construction drawings and bidding documents for proposed Channel improvements and stabilization. Wetlands mitigation shall be included in the construction drawings, if required, as the result of the wetlands delineation. Prepare a Statement of Probable Cost of Construction for the work set forth in construction drawings. Submit all drawings and supporting documentation for review and approval to governmental agencies having jurisdiction. Provide assistance in soliciting bids for construction, evaluate bids received, and make recommendation as to Award of the Construction Contract.
 - a. Estimated Fee – \$27,000.00
5. Provide services during construction for project administration, construction staking, materials quality control testing, and observation during construction for compliance with the drawings and specifications.
 - a. Estimated Fee - \$25,000.00
6. Project expense directly related to the project such as reproduction costs and mileage for travel to and from the project site.
 - a. Estimated Expenses - \$1,500.00

The total estimated fee for engineering and surveying services is \$80,000.00.

For services during construction outlined above, we propose to complete the work at the hourly rate for employees accomplishing the work, plus expenses. A copy of the Thompson Dreessen & Dorner, Inc. rate schedule is included for your information.

We propose to bill our services on a monthly basis for the work completed. All invoices shall be due within thirty days from the date of the invoice.

The scope of services outlined above represents the extent of professional services that TD2 proposes to provide as part of this proposal. Any services provided beyond those outlined above will first be negotiated with you before proceeding.

The following is a partial list of additional services that are sometimes involved with projects of this nature, however, **have not** been included in our scope of work at this time. If, during the life of the project, some of these additional services become necessary or desired, we would be happy to negotiate a change in our fees to include them.

- a. Environmental Assessments
- b. Traffic Impact Study
- c. Soils investigation, reports, or testing

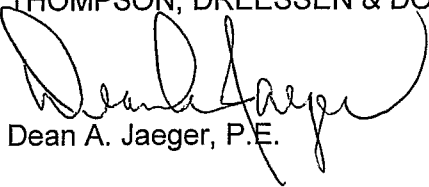
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- d. Payment of fees, permits, etc.
- e. Hazardous waste investigation, removal, and/or handling
- f. Post Construction Stormwater Management Plan
- g. Retaining Wall Design
- h. LEED Certification

If there are any questions, please don't hesitate to contact us.

Prepared by,

THOMPSON, DREESSEN & DORNER, INC.

A handwritten signature in black ink, appearing to read "Dean A. Jaeger", is written over the printed name.

Dean A. Jaeger, P.E.

DAJ/bam

THOMPSON, DREESSEN & DORNER, INC.

RATE SCHEDULE

<u>TITLE</u>	<u>HOURLY RATE</u>
Civil/Structural Principal	\$140.00
Senior Engineer	\$100.00-\$130.00
Staff Engineer	\$85.00-\$95.00
Engineer	\$65.00-\$80.00
Senior Engineering Technician	\$70.00
Staff Engineering Technician	\$50.00-\$60.00
Senior Computer Aided Drafting Technician and Equipment	\$85.00
Staff Computer Aided Drafting Technician and Equipment	\$70.00-\$80.00
Computer Aided Drafting Technician and Equipment	\$65.00
Construction Observer	\$50.00-\$70.00
Survey Principal	\$130.00
Chief of Surveys	\$115.00
Registered Land Surveyor	\$85.00 - \$100.00
3-Person Survey Crew	\$165.00
2-Person Survey Crew	\$140.00
Clerical	\$50.00-\$60.00
Mileage	\$.75/Mile
Electronic Data Collection Equipment	\$25.00-\$43.00
Drillrig and Operator	\$175.00

February 14, 2011