

**COUNCIL ACTION FORM**

**SUBJECT: TEAGARDEN AREA DRAINAGE IMPROVEMENTS**

**BACKGROUND:**

This project provides for stabilization of areas that have become eroded in streams, channels, swales, gullies, or drainage ways that are part of the storm water system. This program provides a more permanent control of the erosion and will reduce recurring maintenance costs in these areas.

The location for this project is the **Teagarden Area** in the Southeast corner of town. The drainage area can be broken down into three watersheds: North Branch, Middle Branch, and South Branch. The North Branch crosses S. Duff Avenue just south of Crystal Street through an elliptical 72" equivalent culvert. The Middle Branch crosses S. Duff Avenue approximately 200' north of Garden Road through a 30" culvert. The South Branch crosses S. Duff Avenue approximately 500' north of Ken Maril Road by means of a 54" RCP culvert. All three branches eventually meet near the dead-end of Patricia Drive, where a concrete cunette (paved channel) conveys the storm water southeast where the water enters a drainage ditch and is conveyed to the South Skunk River.

**This specific project will focus on improvements to the Middle Branch and South Branch on the east side of US Highway 69.** It uses information collected in the *Teagarden Area Drainage Report* completed in 2015 by Bolton & Menk. Improvements will include a trash rack structure for the South Branch culvert under S. Duff Ave, drainage channel improvements along the South Branch to the cunette, cunette channel improvements, cunette tile maintenance, and analyzing the possibility of upsizing the Middle Branch culvert under S. Duff Ave.

This contract involves the design of the project and at least two project informational meetings with area residents. Services will include the following elements:

- Base topographic survey and evaluation of construction technique
- Notification and coordination with right-of-way users
- Attendance at a pre-construction meeting
- Preparation of plans and specifications meeting all submittals for the City of Ames letting requirements with an anticipated winter 2017 letting for construction during 2017
- Submitting the SRF Sponsored Project application and following all appropriate SRF Sponsored Project procedures

Proposals were received from six engineering firms and were evaluated according to the following criteria: Project Understanding, Design Team, Key Personnel, Previous Experience, Project Approach, Responsiveness, Ability to Perform Work, Proposed Project Design/Letting Schedule, and Estimated Contract Cost.

Listed below is the ranking information based on this evaluation:

| <b>Proposal Ratings/Rankings</b> | <b>Points</b> | <b>Overall Rank</b> | <b>Estimated Fee</b> |
|----------------------------------|---------------|---------------------|----------------------|
| Bolton & Menk, Inc.              | 327           | 1                   | \$69,500             |
| RDG Planning & Design            | 312           | 2                   | \$91,500             |
| Shive-Hattery, Inc.              | 301           | 3                   | \$63,000             |
| CGA                              | 298           | 4                   | \$55,580             |
| CDA                              | 296           | 5                   | \$89,150             |
| Knight E & A                     | 281           | 6                   | \$90,184             |

Given the above rankings, staff has negotiated a contract with the highest ranked firm, Bolton & Menk, Inc., of Ames, Iowa.

This project is shown in the previous Capital Improvements Plan programs with funding being carried over in the amount of \$316,937 in Storm Sewer Utility funds, \$503,063 in G.O. Bonds, and \$327,000 from the State Revolving Fund Grant Program for a total of \$1,147,000.

**ALTERNATIVES:**

1. Approve the engineering services agreement for the Teagarden Area Drainage Improvements with Bolton & Menk, Inc., of Ames, Iowa, in an amount not to exceed \$69,500.
2. Direct staff to negotiate an engineering agreement with another consulting firm.

**MANAGER'S RECOMMENDED ACTION:**

Based on staff's evaluation using the above criteria, Bolton & Menk, Inc. will provide the best value to the City in designing this project.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as stated above.