

ITEM#: 13
DATE: 08-24-21

COUNCIL ACTION FORM

SUBJECT: HOMEWOOD SLOPE STABILIZATION PROJECT

BACKGROUND:

Near Hole #4 of Homewood Golf Course, there was an unstable steep slope severely eroding across the Skunk River Trail and into the river. Slope stabilization with native vegetation was attempted as part of previous projects; however, the slope further eroded, taking more trees across the shared use path and into the river. Further geotechnical investigation identified high groundwater and soil instability near the top of the slope. **This project stabilized the slope, managed the groundwater, and added native vegetation with deep root systems to secure the soil.**

On December 22, 2020, City Council awarded the project to RW Excavating Solutions, Inc. of Prairie City, Iowa, in the amount of \$535,192.55. Change Orders for the project have been approved as follows:

- **Change Order No. 1** added subdrain pipe and outlets due to additional groundwater causing unstable conditions on the slope in an amount of **\$35,070.40**.
- **Change Order No. 2** added subdrain pipe and outlets plus trail repair at the base of the steep slope, additional split rail fence and also deleted bid items for pavement removal and new asphalt pavement for a **net deduction in the amount of \$85,878**.
- **Change Order No. 3** was administratively approved to include export of soil, adding riprap and removing/replacing trail (all at the location of an additional mid-slope failure) for a cost increase of **\$38,904**.
- **Change Order No. 4** balances final field quantities for a **net deduction of \$20,112.67**.

Construction has been completed in the amount of \$503,176.28. Engineering and construction administration are estimated to cost \$100,635, bringing the total estimated cost of the project to \$603,811.28. Funding for the project is in the amount of \$1,142,322 from previously unallocated G.O. Bonds. Remaining funds will be used for additional eligible infrastructure projects.

ALTERNATIVES:

1. Approve Change Order No. 4 and accept the Homewood Slope Stabilization Project as completed by RW Excavating Solutions, LC of Prairie City, Iowa in the amount of \$503,176.28.
2. Direct staff to make changes to the project.

CITY MANAGER'S RECOMMENDED ACTION:

This project has now been completed. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as noted above.