

COUNCIL ACTION FORM

SUBJECT: HOMEWOOD SLOPE STABILIZATION PROJECT

BACKGROUND:

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

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. Engineering and construction administration are estimated to cost \$160,000, bringing the total estimated cost of the project to \$695,192.55.

Change Order No. 1 was approved to add 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 will add additional subdrain pipe and outlets plus trail repair at the base of the steep slope (\$21,500). This will improve the conditions along the shared use path adjacent to the slope. The planned split rail fence is also being extended to cover the entire top of slope along the golf course (\$4,822). Also included in Change Order No. 2 is deleting bid items for pavement removal and new asphalt pavement, because the parking lot that was used for project access held up well during the construction (\$112,200).** The total for Change Order No. 2 is a net deduction in the amount of \$85,878. Considering Change Orders No. 1 and 2, the construction contract amount is \$484,384.95.

Funding for the project is in the amount of \$1,142,322 from previously unallocated G.O. Bonds.

ALTERNATIVES:

1. Approve Change Order No. 2 for the Homewood Slope Stabilization Project, for a contract deduction in the amount of \$85,878.
2. Direct staff to make changes to the project.

MANAGER'S RECOMMENDED ACTION:

This unstable slope has continued to erode regardless of the attempt to stabilize the area with vegetation. In order to stabilize the area, the groundwater needs to be managed so that vegetation can further stabilize the area. **Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as noted above.**