

WORKSHOP ITEM SUMMARY SHEET
VILLAGE COUNCIL MEETING
December 9, 2020

Agenda Item:

Estero River North Branch Drainage Improvements

Description:

During the extreme rainfall events of 2017 the North Branch of the Estero River experienced extensive flooding. The Village of Estero Stormwater Master Plan also identified the north branch of the Estero River as an area of known flooding.

The Master Plan identified the reduction of flow through the Villages at Country Creek as a contributing factor to flooding along the North Branch of the Estero River. Two projects are included in the Stormwater Master Plan to increase the flow of stormwater through the Villages of Country Creek. They are:

1. Villages at Country Creek Bypass Swale drainage improvements – increase the flow of water around Country Creek to offset the reduced flow down the river. Redirect flow from the Rookery Point ditch directly to the bypass swale.
2. Dry Creek Bed Sediment Removal – re-establish the historic flow from the North Branch to the South Branch of the Estero River, east of Bamboo Island.

Village Staff is requesting direction from Village Council on moving forward with the Estero River North Branch Drainage Improvements. Potential direction includes:

- Move forward with the preliminary design
- Hold off on the project and bring back to Council at a later date

The preliminary design effort would include performing a more detailed analysis of the Estero River North Branch drainage system and identify projects that would reduce flooding. Potential projects could include the two projects identified in the Stormwater Master Plan (Villages at Country Creek Bypass Swale drainage improvements & Dry Creek Bed Sediment Removal) as well as improvements to existing roadway/cart path crossing of the river. A preliminary design of each recommended project as well as cost estimates would be provided.

If Council decides to move the project forward, next steps would include the following:

1. Appoint Village Council Project Liaison, if desired.
2. Selection Committee to select firm, Council Liaison to attend meeting.
3. Request qualifications from three qualified firms on the Village's Miscellaneous Professional Services Contract.
4. Staff negotiate contract with selected firm
5. Contract taken to Council for approval
6. Preliminary design to start

The Fiscal Year 2020-2021 Capital Improvement budget includes \$342,000 for the design and permitting of drainage projects on the North Branch of the Estero River. The Fiscal Year 2021-2021 Capital Improvement budget includes \$807,108 for the construction of drainage projects on the North Branch of the Estero River. The total 2-year budget is \$1,149,108.

Attachments:

1. Excerpts from the Village of Estero Stormwater Master Plan
2. PowerPoint Presentation