



MEMO

To: Honorable Mayor and City Council Members
From: Ken Hildebrandt
CC: Tami Hanlin, City Manager
Date: May 10, 2021
RE: Discussion of Twin Brothers Lake Dam Alternatives

Issue:

This presentation is to review the dam alternatives analysis report by AECOM and to discuss next steps.

Recommendations:

- Consider which alternative to pursue.
- Conduct a community meeting (if desired).
- Complete engineering design and permitting.
- Pursue alternative funding sources / budget the funds.
- Implement construction

Background:

The City is very concerned about the condition of the two dams on Twin Brothers Lake as well as a severely eroded bypass channel adjacent to the lower lake. DeKalb County has contracted with AECOM to survey the lake, conduct an analysis of the hydrology and the dams, and recommend alternatives for remediation. Two alternatives have been presented for consideration: Alternative A – Repair the dams and spillways and fill the bypass channel.

Alternative B – Breach both dams, provide a drainage channel, and fill the bypass channel.

Both alternatives include recommendations for recreation opportunities.

Financial Impact:

There is no impact at this time.

Alternative A is estimated at \$1,650,000 for construction and an additional \$441,000 for optional recreation improvements.

Alternative B is estimated at \$570,00 for construction and an additional \$1,088,000 for optional recreation improvements.