

**CITY OF BELLE ISLE, FLORIDA
CITY COUNCIL AGENDA ITEM COVER SHEET**

Meeting Date: November 21, 2023

To: Honorable Mayor and City Council Members

From: Chief Grimm, Interim City Manager

Subject: NAV BOARD - Water Quality Projects with the City of Belle Isle

Background: The NAV Board (Tara Urbanik) reached out to the City and asked if the City would be in favor of Curb Inlet Baskets (CIB) being installed in the area near Montmart Dr & Alsace Ct subbasin and the Conway MSTU would fund the installation and future maintenance of the baskets.

A Feasibility Study for a proposed baffle box was previously underway at the Alsace Ct location (attachment). The initial findings of the feasibility study showed the water table in this area is too high for a potential baffle box, and our consultant now recommends Curb Inlet Baskets (CIB) in lieu of the baffle box (attachment status meeting agenda & handbill). The Conway Nav Board has requested Tara Urbanik research the potential installation of additional CIBs within the stormwater inlets near the Montmart Dr & Alsace Ct subbasin.

She found that the proposed baffle box would be sitting at a too-low elevation within the established stormwater pipes at this particular location. With the baffle box sitting too low, water from the lake would then surcharge and backflow into the pipe and saturate the vegetative debris captured in the baffle box, act like a tea bag and dissolve those nutrients back into the water, and not effectively filter out all the nutrients (that are now dissolved in the water) we are trying to capture. Please see page 2 of the attached. The baffle box structure would need to be above the lake elevation to be effective.

Tara Urbanik

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Staff Recommendation: Discuss

Suggested Motion: Council Consensus on the installation and Conway MSTU to fund the installation and future maintenance of the baskets.

Alternatives: Not sure

Fiscal Impact: Not available at this time

Attachments: