



Legislation Details (With Text)

**File #:** AGR 16-062    **Version:** 1    **Name:**  
**Type:** Agreement    **Status:** Agenda Ready  
**File created:** 11/30/2016    **In control:** City Council  
**On agenda:** 12/6/2016    **Final action:**  
**Title:** Consideration of and action on an agreement with ArborLeaf Engineering for professional services related to HCFCD B-112-00.

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:** 1. REVISED PROPOSAL B112-02 RIGHT OF WAY, 2. B112 (00000003), 3. City of Deer Park\_Services Agreement\_B112-02\_Arborleaf

Date	Ver.	Action By	Action	Result
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Consideration of and action on an agreement with ArborLeaf Engineering for professional services related to HCFCD B-112-00.

**Summary:**

In 2007 the city issued General Obligation Bonds and Certificates of Obligation infrastructure projects including drainage. Due to over 10-inches of rain received during Topical Storm Erin in August 2007 staff began to identify flood prone areas throughout the city based on FEMA repetitive losses and local structural losses. In 2010 an additional \$8 million in Certificates of Obligation were sold for drainage projects. Council selected the Patrick’s Bayou Detention project as the top project and reserved bonds funds for the project. In addition to the bond funds, in April 2009 the city submitted an application for a Hazard Mitigation Grant (HMGP) for additional funding for the project. In order to qualify for the FEMA grant the city also constructed offsite drainage projects to achieve a required Benefit Cost Analysis (BCA). Design and construction of these projects was paid for out of the bond funds. There is approximately \$2.5 million remaining out of the 2010 issue.

Another project identified by council was the Harris County Flood Control District Ditch B-112-00, that is east of and parallel to East Blvd (see attached). In 2007 a preliminary drainage study was prepared that identified five obstructions/restrictions that need to be addressed to lower the water surface elevation in the channel. Four of the five obstructions/restrictions have been completed by the city. The final recommended improvement will require changing the cross section of the channel. Staff has met with Harris County Flood Control District (HCFCD) on a couple of occasions to discuss the project, the most recent being November 10, 2016. HCFCD indicated that they had no identified funding available but were supportive of the project if the city had funding. The first step to determining project cost is to determine how much right-of-way there is to work in and if additional is required for the ultimate cross section. Aborleaf Engineering & Surveying, Inc. has submitted a proposal for title and ownership research for an amount not to exceed \$18, 645.00.

**Fiscal/Budgetary Impact:**

\$2.5 million out of 2010 bond issue

Staff recommends approval.