



## Legislation Text

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**File #:** 22-4644, **Version:** 1

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**Department:** County Engineer

**Department Head/Elected Official:** Milton Rahman, PhD, P.E., PMP, CFM, County Engineer

**Regular or Supplemental RCA:** Regular RCA

**Type of Request:** Report

**Project ID** (if applicable): UPIN 19103MF14701

**Vendor/Entity Legal Name** (if applicable): Binkley & Barfield, Inc.

**MWDBE Contracted Goal** (if applicable): N/A

**MWDBE Current Participation** (if applicable): N/A

**Justification for 0% MWDBE Participation Goal:** N/A - project was awarded prior to launch of County's M/WBE Program

**Request Summary (Agenda Caption):**

Request for approval of a Study Report prepared by Binkley & Barfield, Inc. for Ravensway South Subdivision Drainage Improvements - 2018, UPIN 19103MF14A01, Precinct 3.

**Background and Discussion:**

This project is located in northwest Harris County in the Cypress Creek watershed. Ravensway South consists of an existing underground storm sewer system that drains to the Cypress N. Houston street drainage system and eventually into the existing E133-00-00 channel. The scope approved on Commissioners Court (June 29, 2021) consisted of re-evaluating the recommendations made during the planning study of this project. Planned improvements are still in design, but current scope is to upsize existing storm sewer pipe in the neighborhood, add additional storm sewer pipe, and increase the number of inlets to the system to improve localized flooding in the neighborhood. This study report is an executive summary with supporting appendices of detail to describe the analysis and recommendations from the study phase to include surveying, geotechnical, environmental, and drainage recommendations to be utilized for the proposed design of the project.

**Expected Impact:**

This project seeks to reduce flood risk and strengthen resiliency in Harris County by assisting in the alleviation of structural flood damage to homes in the community. This study report is a step in the process to reduce the financial, physical, and emotional burden flood damage places on homeowners and will reduce the financial impact of recovery costs to the Ravensway South subdivision homeowners, Harris County, and FEMA. The fiscal impact for this project will come from the 1080 Funding for the Recovery and Resiliency Division subdivision projects with the long-term goal of reducing drainage costs in the future. No impact to project schedule or staffing anticipated.

**Alternative Options:**

No alternative option for this project is possible other than performing no additional work. However, in this area, the subdivision will continue to be a risk of flooding and structural damage to homes in the community.

**Alignment with Goal(s):**

- ☐ Justice and Safety
- ☐ Economic Opportunity
- ☐ Housing
- ☐ Public Health
- ☐ Transportation
- ☒ Flooding
- ☐ Environment
- ☐ Governance and Customer Service

**Prior Court Action** (if any):

| Date     | Agenda Item # | Action Taken   |
|----------|---------------|--|
| 6/29/21  | 76            | Contract Award for Professional Engineering Services       |
| 10/26/21 | 40            | Amend Contract Award for Professional Engineering Services |

**Location:**

Address (if applicable): Ravensway South Subdivision

Precinct(s): Precinct 3

| <b>Fiscal and Personnel Summary</b>  |        |       |            |
|--|--------|-------|------------|
| Service Name   |        |       |            |
|  | SFY 22 | FY 23 | Next 3 FYs |
| <b>Incremental Expenditures (do NOT write values in thousands or millions)</b> |        |       |            |
| Labor Expenditures   | \$     | \$    | \$         |
| Non-Labor Expenditures   | \$     | \$    | \$         |
| <b>Total Incremental Expenditures</b>  | \$     | \$    | \$         |
| <b>Funding Sources (do NOT write values in thousands or millions)</b>          |        |       |            |
| <b>Existing Budget</b>   |        |       |            |
| 1080 - Infrastructure Fund   | \$     | \$    | \$         |
| Choose an item.  | \$     | \$    | \$         |
| Choose an item.  | \$     | \$    | \$         |
| <b>Total Current Budget</b>  | \$     | \$    | \$         |
| <b>Additional Budget Requested</b>   |        |       |            |
| Choose an item.  | \$     | \$    | \$         |
| Choose an item.  | \$     | \$    | \$         |
| Choose an item.  | \$     | \$    | \$         |
| <b>Total Additional Budget Requested</b>                                       | \$     | \$    | \$         |

|   |    |    |    |
|---|----|----|----|
| <b>Total Funding Sources</b>                                    | \$ | \$ | \$ |
| <b>Personnel</b> (Fill out section only if requesting new PCNs) |    |    |    |
| Current Position Count for Service                              | -  | -  | -  |
| Additional Positions Requested                                  | -  | -  | -  |
| <b>Total Personnel</b>  | -  | -  | -  |

**Anticipated Court Date:** August 2, 2022

**Anticipated Implementation Date (if different from Court date):** N/A

**Emergency/Disaster Recovery Note:** Not an emergency, disaster, or COVID-19 related item

**Contact(s) name, title, department:** Nate Wilson, Lead Project Manager, Recovery and Resiliency Division,  
Harris County Engineering Department

**Attachments** (if applicable): Study Report