



## Legislation Text

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**File #:** 21-5396, **Version:** 1

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**Department:** County Engineer

**Department Head/Elected Official:** Loyd Smith, P.E., Interim County Engineer

**Regular or Supplemental RCA: Regular RCA**

**Type of Request:** Contract - Amendment

**Project ID (if applicable):** 21090MF22H01

**Vendor/Entity Legal Name (if applicable):** Pacheco Koch Consulting Engineers, Inc.

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

**Request Summary (Agenda Caption):**

Request for approval to execute an amendment to an agreement with Pacheco Koch Consulting Engineers, Inc. in the amount of \$1,110,665.00 for Professional Engineering Services to provide Drainage improvements to Humble Road Place and Parkland Estates Subdivisions, UPIN 21090MF22H01, Precincts 1 and 4.

**Background and Discussion:**

This project is located in the North-East Houston area, in the proximity of the US-59 and Beltway 8 Interchange. Humble Road Place subdivision is located within the Precinct 4 boundaries, whereas Parkland Estates lays within the Precinct 1 limits and both subdivisions are part of the Greens Bayou Watershed. The northern part drains into HCFCD Unit No. P133-00-00 and the southern part into HCFCD Unit No. P100-00-00. Over 250 residential structures have flooded during previous storm events, to include Hurricane Harvey. The scope and proposed improvements include roadside ditch regrading, driveway culvert upgrades, underground storm sewer network, channel improvements, and a detention pond.

This contract amendment includes the effort for structural engineering, detailed design documents for the project proposed to be constructed in two (2) phases, bid phase and public engagement services.

**Expected Impact:**

In implementing the proposed drainage improvements, this project seeks to reduce structural flood risk and strengthen resiliency in Harris County by assisting in the alleviation of structural flood damage to at least 100 residential structures within these two communities. This will reduce the financial, physical, and emotional burden flood damage places on homeowners and will reduce the financial impact costs to the homeowners, Harris County, and FEMA.

**Alternative Options:**

Alternative options include limiting scope to only ditch and driveway culvert improvements or to add to an existing HCFCD grant funded project that is well underway.

**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
9/14/2021	40	Amendment #1

**Location:**

Address (if applicable):

Precinct(s): Precincts 1 & 4

<b>Fiscal and Personnel Summary</b>				
Service Name	Professional Engineering Services	FY 21-22	Estimates	
			FY 22	Next 3 FYs
<b>Incremental Expenditures</b>				
Labor Expenditures		-	-	-
Non-Labor Expenditures		\$2,172,564	-	-
<b>Total Incremental Expenditures</b>		<b>\$2,172,564</b>	-	-
<b>Funding Sources</b> (General Fund, PIC Fund, Debt or CP, Grants, or Other - Please Specify)				
Existing Budget	Fund 1080 Special Funds	\$1,061,899	-	-
		-	-	-
		-	-	-
<b>Total Current Budget</b>		<b>\$1,061,899</b>	-	-

Additional Budget Requested	Fund 1080 Special Funds	\$1,110,665	-	-
	-	-	-	-
	-	-	-	-
Total Additional Budget Requested		\$1,110,665	-	-
<b>Total Funding Sources</b>		<b>\$2,172,564</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 Implementation Date:** October 12, 2021

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

**Contact(s) name, title, department:** Marcus Baskin, P.E., Manager, Recovery and Resiliency Division Manager,  
Harris County Engineering Recovery and Resiliency Department

**Attachments (if applicable):** Contract Amendment No. 2