



Legislation Text

File #: 21-5395, **Version:** 1

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): UPIN 19104MF12M01

Vendor/Entity Legal Name (if applicable): LJA Engineering, Inc

MWDBE Participation (if applicable): N/A

Request Summary (Agenda Caption):

Request for approval to execute an amendment to an agreement with LJA Engineering, Inc in the amount of \$849,894.00 for Professional Engineering Services in connection with Bear Creek Village Subdivision Drainage Improvements, UPIN 19104MF12M01, Precinct 4.

Background and Discussion:

The Bear Creek Village Subdivision is generally bound by Clay Road to the south, State Highway 6 to the west, Addicks Satsuma Road to the north, and the Addicks Reservoir to the east. Drainage problems within the Bear Creek Village Subdivision primarily result from ponding areas where the storm sewer system is inadequate to collect and drain extreme event runoff. The current drainage analysis has shown that alternative locations for street regrading and storm sewer replacement, in addition to channels in the reservoir, will provide the optimal reduction in flood risk for the subdivision. This addendum includes additional topographic, geotechnical and environmental study work within the subdivision and the reservoir. Additional design scope is also included to cover the additional street regrading and storm sewer replacement within the subdivision, and channels in the reservoir.

Expected Impact:

By adding to the existing contract, and completing the engineering work, 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 contract amendment 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 Bear Creek Village subdivision homeowners, Harris County, and FEMA. No staffing impacts expected with the fiscal impact for this project coming from the 1080 Fund, Special Mobility Funding for the Recovery and Resiliency Division subdivision projects with the long-term goal of reducing drainage costs in the future.

Alternative Options:

Alternative options included over 10 different scenarios within the subdivision project area to ensure that we end up with the best possible result and solution for the subdivision area. Various street improvements, different channel locations and oversized storm sewer system(s) we observed.

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
2/9/2021	17	Contract Award

Location:

Address (if applicable): Bear Creek Village Subdivision

Precinct(s): Precinct 4

Fiscal and Personnel Summary				
Service Name	Professional Engineering Services	FY 21-22	Estimates	
			FY 22	Next 3 FYs
Incremental Expenditures				
Labor Expenditures		-	-	-
Non-Labor Expenditures		\$1,725,997M	-	-
Total Incremental Expenditures		\$1,725,997M	-	-
Funding Sources (General Fund, PIC Fund, Debt or CP, Grants, or Other - Please Specify)				
Existing Budget	Fund 1080 Special Funds	\$876,103K	-	-
		-	-	-
		-	-	-
Total Current Budget		\$876,103K	-	-

Additional Budget Requested	-	-	-	-
	Fund 1080 Special	\$849,894K	-	-
	Funds-		-	-
	-	-	-	-
Total Additional Budget Requested		\$849,894K	-	-
Total Funding Sources		\$1,725,997M	-	-
Personnel (Fill out section only if requesting new PCNs)				
Current Position Count for Service		-	-	-
Additional Positions Requested		-	-	-
Total Personnel		-	-	-

Anticipated Implementation Date: October 12, 2021

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

Contact(s) name, title, department: Susan Mullen, P.E., Project Manager, HCED

Attachments (if applicable): Contract Document