



Legislation Text

File #: 24-2215, **Version:** 1

Department: County Engineer

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

Regular or Supplemental RCA: Regular RCA

Type of Request: Contract - Amendment

Project ID (if applicable): UPIN 19101MF12F01

Vendor/Entity Legal Name (if applicable): Arcadis U.S., 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 to amend a professional services agreement with Arcadis U.S., Inc. for Construction Phase Services in the amount of \$17,643.00 in connection with Fountainview Sec. 1 & 2 Subdivision Drainage Improvements - 2018, UPIN 19101MF12F01, Precinct 1.

Background and Discussion:

The Fountainview Subdivision is bound by Harris County Flood Control District (HCFCD) Unit# P133-00-00 on the north, Aldine Bender Road on the south, HCFCD Unit# P133-04-00 on the west, and HCFCD Unit# P133-03-00 on the east. The majority of the project area is residential, comprised of single-family homes with concrete sidewalks and a curb and gutter storm sewer system. An evaluation of the existing storm sewer system showed that the existing storm sewer pipes do not meet current County criteria due to insufficient capacity to convey the 2-year storm event. In addition to the undersized storm sewer within the neighborhood, it was also determined that the receiving channels restrict the study area's ability to drain. The proposed solution includes upsizing existing storm sewer to convey the 2- year storm event and incorporating a detention pond to mitigate increases in flow prior to outfalling into P133-00-00.

The proposed upsized storm sewers within the public right of way, conflict with a sanitary sewer owned by Central States Water Resources LLC (CSWR). Various alternatives have been reviewed to resolve the conflict. The most effective solution required a redesign of a segment of storm sewer to a shallower profile to avoid the conflict.

The Engineer of Record will continue to provide engineering services during the construction phase to ensure that the redesign meets project requirements.

Expected Impact:

Executing this agreement amendment will ensure that the utility conflict between a sanitary sewer and proposed drainage improvements in the construction phase, are monitored in accordance with the project objectives.

Alternative Options:

Alternative options include choosing not to execute this amendment, possibly not completing the project as designed.

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
1/31/2023	40	Agreement approved
1/7/2020	1.e.1	Authorization to Negotiate approved

Location: Fountainview Subdivision

Address (if applicable): N/A

Precinct(s): Precinct 1

Fiscal and Personnel Summary

Service Name	Construction Phase Services			
	Current Fiscal Year Cost			Annual Fiscal Cost
	Labor	Non-Labor	Total	Recurring Expenses
Funding Sources				
Existing Budget				
1080 - Infrastructure Fund	\$	\$17,643.00	\$17,643.00	\$
Choose an item.	\$	\$	\$	\$
Choose an item.	\$	\$	\$	\$
Total Current Budget	\$	\$17,643.00	\$17,643.00	\$
Additional Budget Request (<i>Requires Fiscal Review Request Form</i>)				
Choose an item.	\$	\$	\$	\$

Choose an item.	\$	\$	\$	\$
Choose an item.	\$	\$	\$	\$
Total Additional Budget Request	\$	\$	\$	\$
Total Funding Request	\$	\$17,643.00	\$17,643.00	\$
Personnel (Fill out section only if requesting new PCNs)				
Current Position Count for Service	-	-	-	-
Additional Positions Request	-	-	-	-
Total Personnel	-	-	-	-

Anticipated Court Date: April 23, 2024

Anticipated Implementation Date (if different from Court date):

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

Contact(s) name, title, department: Erwin Burden, P.E., CFM, Senior Director of Capital Project Infrastructure,
Harris County Engineering Department

Attachments (if applicable): Amended Agreement