



Legislation Text

File #: 24-2240, **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 19101MF14M01 - Job No. 23/0138

Vendor/Entity Legal Name (if applicable): Blazey Construction Services, LLC

MWDBE Contracted Goal (if applicable): 27%

MWDBE Current Participation (if applicable): 0%

Justification for 0% MWDBE Participation Goal: N/A - Goal is not 0% and is listed above

Request Summary (Agenda Caption):

Request for approval of a change in contract with Blazey Construction Services, LLC in connection with Evergreen Villas Subdivision Drainage Improvements - 2018, with an addition in the amount of \$536,264.18, Job No. 23/0138-2, UPIN 19101MF14M01, Precinct 1, MWDBE Contracted Goal: 27%.

Background and Discussion:

Evergreen Villas is in Northeast Harris County, Texas, Precinct 1. The subdivision is mainly composed of single-family homes. The residents have experienced structural flooding during several recent flood events. Approximately 37 homes were reported to have flooded during Hurricane Harvey. The purpose of this project is to reduce flooding for homes. The proposed solution includes upgrading storm sewers and adding a detention pond. This contract includes construction services for the construction phase.

The Change in contract request includes new items for the following:

- PCO - 2 Additional Well Pointing - Added 600 Linear Feet to Item No. 66 - Well Pointing with an additional cost of \$24,000.00. The contractor utilized well pointing to manage ground water infiltrating from below the surface of the detention pond excavation. This temporary groundwater control measure allowed the contractor to excavate to approximately 2 feet above the proposed excavation bottom.
- PCO - 3 CSS Backfill at Existing Backslope Interceptor Outfalls - Added a new item for CSS Backfill at Existing Backslope Interceptor Outfalls with an additional cost of \$2,482.96. During the excavation of the detention pond the ground around several backslope interceptor outfalls began to erode and create a void under the existing corrugated metal drainage pipes. The erosion due to the stormwater prevented the contractor from grading the side slopes of the detention pond by not allowing any in-situ material to stay in place. The contractor placed cement stabilized sand to backfill the eroded areas under the existing corrugated metal drainage pipes.

- PCO - 4 Bore for Waterline Relocation - Added 50 Linear Feet to Item No. 69 - Furnish and Install 12-inch AWWA C-900 PVC Pipe (DR-18) Water Line with an additional cost of \$4,121.50, added a new item "Bore 12-inch Water Line" with an additional cost of \$4,005.00, added a new item "12-inch Certalock C900 & Restrained Fittings" with an additional cost of \$5,022.72. The original box culvert outfall alignment was redesigned to mitigate a conflict with an existing CenterPoint utility pole. The waterline relocation was lengthened and bored because of the redesigned box culvert alignment, and to meet Energy Transfer Pipeline's clearance requirements.
- PCO - 5 Dewatering Pond to Install Clay Liner - Added 7800 Linear Feet to Item No. 66 - Well Pointing with an additional cost of \$312,000.00, added a new item "12-inch Diameter Discharge Piping" with an additional cost of \$150,552.00, added a new item "Pond Dewatering Equipment - Generators" with an additional cost of \$22,080.00, and added a new item "Pond Dewatering Equipment - 6-inch Pumps" with an additional cost of \$12,000.00. Infiltration of groundwater has been observed during the detention pond excavation. Excavations that extend through or into deeper sandy soils require advance dewatering as part of the temporary groundwater control for the deepening of the detention basin.

Expected Impact:

The construction contract award seeks to reduce flooding and strengthen resiliency in Harris County, by assisting in the alleviation of structural flood damage to homes in the community. This contract 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 Evergreen Villas subdivision homeowners, Harris County, and FEMA.

Alternative Options:

The County could elect to fund the requested task or choose to reject it. However, if not approved, the contractor will not be able to complete the scope of work.

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
06/06/2023	253	Contract Award
10/31/2023	57	Contract Amendment

Location: Evergreen Villas Subdivision

Address (if applicable): N/A

Precinct(s): Precinct 1

Fiscal and Personnel Summary				
Service Name	Engineering			
	Current Fiscal Year Cost			Annual Fiscal Cost
	Labor	Non-Labor	Total	Recurring Expenses
Funding Sources				
Existing Budget				
1080 - Infrastructure Fund	\$	\$536,264.18	\$536,264.18	\$
Choose an item.	\$	\$	\$	\$
Choose an item.	\$	\$	\$	\$
Total Current Budget	\$	\$536,264.18	\$536,264.18	\$
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	\$	\$536,264.18	\$536,264.18	\$
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): Change in Contract (CIC)