



AGENDA MEMORANDUM

Action Item for the City Council Meeting of November 1, 2022

DATE: November 1, 2022

TO: Peter Zaroni, City Manager

FROM: Jeff H. Edmonds, P. E., Director of Engineering Services
jeffrey@cctexas.com
(361) 826-3851

David Lehfeldt, Director of Solid Waste
davidl3@cctexas.com
(361) 826-1966

Heather Hurlbert, CPA, CGFO, Director of Finance & Procurement
heatherh3@cctexas.com
(361) 826-3227

<p style="text-align: center;">Professional Services Agreement Cefe F. Valenzuela Landfill Sector 2A Cell Development</p>

CAPTION:

Motion authorizing a professional services contract with Hanson Engineering, Corpus Christi, Texas, to provide design, bid, and construction phase services for Cefe F. Valenzuela Landfill Sector 2A cell development in the amount of \$803,479.40, located nine miles west of Corpus Christi on FM2444 and CR 20, with FY 2023 funding available from Solid Waste Capital Fund.

SUMMARY:

This motion authorizes approval for a professional services contract for design, bid, and construction phase services for the Cefe F. Valenzuela Landfill Sector 2A Cell Development.

BACKGROUND AND PURPOSE:

The Cefe F. Valenzuela Landfill became operational in 2008. The landfill serves twelve counties in the Coastal Bend area for both private and municipal customers. An average of 420,000 tons of waste is disposed at the Landfill each year. The landfill consists of Unit 1 and Unit 2. There are twelve cells in Unit 1 with seven of the cells constructed and the Sector 2A cell will be the eighth cell. The remaining cells, approximately 65 acres, will be constructed in Unit 1 through 2040 with a useful life through 2047. Unit 2 will be implemented after Unit 1 reaches capacity.

This agreement provides for design of Sector 2A Cell before exhausting capacity of Cell 3C.

Based on current demand the current landfill Cell 3C is on pace to reach a top deck elevation of 130 feet around September 2023.

Sector 2A Cell is approximately 26 acres in size and will hold about 3.8 million cubic yards of waste. The cell will have a compacted clay soil liner. The design will be based upon the liner configuration starting from bottom to top; dewatering system/underdrain, prepared subgrade, compacted clay liner, 60 mil High Density Polyethylene (HDPE) geomembrane, drainage, geocomposite/leachate collection system, and protective cover, including drainage chimneys. The finished liner system will also include a tie-in to the existing liner systems for Sectors 3C and 1C.

PROJECT TIMELINE:

2022 - 2023	2023	2023 - 2024
November - April	April - June	July - March
Design	Bid/Award	Construction

Projected schedule reflects City Council award of design services in November 2022 with anticipated construction completion by March 2024.

COMPETITIVE SOLICITATION PROCESS:

Hanson Engineering was selected in April 2022 under RFQ No. 3977 Professional Engineering Services for Cefe F. Valenzuela Landfill Sector 2A Cell Development project, which was one of two projects announced under the Solid Waste CIP 2022 Projects category of the RFQ. Four firms submitted for Cefe F. Valenzuela Landfill Sector 2A Cell Development.

The selection committee was comprised of representatives from the Solid Waste Department and Engineering Services Department. The final evaluation ranked Hanson Engineering as the highest ranked firm based on eight factors: 1) Experience on projects of similar scope and complexity, 2) Demonstrated capability & capacity on comparable projects, 3) Past performance, 4) Team member experience and qualifications, 5) Team members experience similar to scope and complexity, 6) Availability of resources, 7) Demonstrate understanding of the scope of work, 8) Demonstrate understanding and experience with public safety.

Hanson Engineering has worked on City projects for over twenty years and has completed many projects. Notable projects include Cefe F. Valenzuela Landfill Sector 3C Disposal Cell Development and Cefe F. Valenzuela Landfill 20-year master plan.

ALTERNATIVES:

Council could choose not to award the contract to Hanson Engineering. Not awarding the contract for professional services to Hanson Engineering will delay necessary cell development to Cefe F. Valenzuela Landfill, create more costly maintenance in the future, and may affect the ability to meet the operational and regulatory requirements. In addition, the delay could also cause TCEQ permit violations and fees.

FISCAL IMPACT:

The fiscal impact to FY 2023 is an amount not to exceed \$803,479.40 with funding available through the Solid Waste Capital Fund. The Capital Improvement Program (CIP) project page shows that currently the project has \$867,000 for design and inspections.

FUNDING DETAIL:

Fund: SolidWst2021TCO (**Fund 3373**)
Mission Elem: Maintaining Solid Waste Facilities (031)
Project No.: Cefe F. Valenzuela Landfill Sector 2A Cell Development (21035)
Account: Outside Consultants (550950)
Activity: 21035-3373-EXP
Amount: \$803,479.40

RECOMMENDATION:

Staff recommends approval of the professional services contract with Hanson Engineering, in an amount not to exceed \$803,479.40 for Cefe F. Valenzuela Landfill Sector 2A Cell Development project. The design phase will begin in October 2022 with estimated design completion in April 2023. Construction is anticipated to begin in July 2023 with anticipated completion in March of 2024.

LIST OF SUPPORTING DOCUMENTS:

Location & Vicinity Maps
Evaluation Matrix
CIP Page
Proposal
Presentation