



AGENDA MEMORANDUM

Emergency Ordinance for the City Council Meeting of January 23, 2018

DATE: January 11, 2018

TO: Margie C. Rose, City Manager

THRU: Mark Van Vleck, Assistant City Manager
markvv@cctexas.com
(361) 826-3082

Valerie H. Gray, P. E., Executive Director of Public Works
valerieg@cctexas.com
(361) 826-3729

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

Lawrence Mikolajczyk, Director of Solid Waste Operations
Lawm@cctexas.com
(361) 826-1972

<p style="text-align: center;"><u>Professional Services Contract</u> Cefé Valenzuela Landfill Sector 3C Disposal Cell Expansion</p>

CAPTION:

Ordinance amending the FY 2018 Capital Improvement Program Budget adopted by Ordinance No. 031249 to add Project #E17118 Cefé Valenzuela Landfill Sector 3C Disposal Cell Expansion; increasing expenditures in the amount of \$823,251; and authorizing the City Manager, or designee, to execute a Professional Services contract with Hanson Professional Services of Corpus Christi, Texas in the amount of \$823,251 for the Cefé Valenzuela Landfill Sector 3C Disposal Cell Expansion for design, bid and construction phase services; and declaring an emergency.

PURPOSE:

The purpose of this Agenda Item is to obtain authority to amend the Capital Improvement Program (CIP), and to execute a professional services contract in the amount of \$823,251 with Hanson Professional Services for engineering and design of Cefé Valenzuela Landfill Sector 3C Disposal Cell Development.

BACKGROUND AND FINDINGS:

The current developed disposal space at Cefe Valenzuela Landfill is predicted to be exhausted in September 2018 based upon historical average disposal rates and recent increases due to

Hurricane Harvey debris disposal. Construction of the next disposal cell, Sector 3C, will be expedited with the goal of providing new disposal space prior to the exhaustion of the current disposal capacity. The accelerated depletion of disposal space due to increased waste volumes may result in a short term lack of disposal space before Sector 3C is complete and authorized to accept waste. If this condition occurred, continued disposal would require an authorization for temporary overfill from TCEQ to allow the placement of waste above permitted elevations in previously completed disposal areas. The temporary overfill would then be relocated to Sector 3C upon that cell's completion. The cost for relocating waste following a temporary overfill situation is estimated to be approximately \$10 per cubic yard (CY). A one month disposal space shortfall could result in approximately 75,000 CY of temporary overfill with a relocation cost of \$750,000. With the critical timeline, the project implementation will be accomplished with a two-phase construction sequence to allow opening a partial cell, in an effort to minimize the need and cost for temporary overfill.

Preliminary evaluations and engineering determined that the expansion of Sector 3C is recommended in lieu of Sector 2A and 2B and requires amending the Solid Waste CIP. Expansion of Sector 3C is recommended as the most cost-effective short- and long-term solution to resolve the expedited need and defer the next planned disposal cell construction for another 5 years.

Project Scope: This project provides for the design, bid and construction phase services for a 31-acre expansion of Sector 3C at the Cefé Valenzuela Landfill. The work includes preparation of the construction documents with accelerated design and 2-phase construction schedule. The engineering and design includes topographic and survey data collection with design for the new cell, leachate sump pump and discharge piping, drainage, dewatering pumps, controls and electrical services. Two design phase surveys are required; one for developing the construction plans and a second to coordinate ongoing landfill operations and daily cover activities.

The design and construction phase support includes TCEQ coordination for the City's permit requirements for the new cell and the Temporary Authorization for Overfill. Although the goal is to complete and open the partial cell prior to exhausting existing landfill capacity, a Temporary Authorization for Overfill will be completed and submitted to TCEQ.

The engineering services also include construction technical support required by TCEQ regulations and the landfill permit. The requirements include full time inspection for Construction Quality Assurance by a licensed technician or engineer during the landfill liner construction with a separate detailed post-construction report for each phase prior to operation of the new cell. The services include specific monitoring and tracking for each liner component to confirm that the liner materials meet the required material properties and that the construction and installation procedures comply with the permit and quality assurance documents.

ALTERNATIVES:

1. Authorize execution of a professional services contract. (Recommended)
2. Do not authorize execution of a professional services contract. (Not Recommended)

OTHER CONSIDERATIONS:

Hanson Professional Services was selected for professional engineering services by RFQ No. 2017-01 dated April 7, 2017.

CONFORMITY TO CITY POLICY:

Complies with statutory requirements for professional services contracts.

EMERGENCY / NON-EMERGENCY:

Not applicable

DEPARTMENTAL CLEARANCES:

Solid Waste Department

FINANCIAL IMPACT:

☐ Operating

☐ Revenue

☒ **X Capital**

☐ Not applicable

Fiscal Year 2017-2018	Project to Date Expenditures (CIP only)	Current Year	Future Years	TOTALS
Budget		\$8,500,000		\$8,500,000
Encumbered / Expended Amount				
This item		823,251		823,251
Future Anticipated Expenditures This Project		7,671,000		7,671,000
BALANCE		\$5,749		\$5,749

Fund(s): Solid Waste CIP

Comments: N/A

RECOMMENDATION:

City staff recommends a professional services contract award to Hanson Professional Services in the amount of \$823,251 for Cefé Valenzuela Landfill Sector 3C Disposal Cell Expansion with the amendment to the Solid Waste CIP.

LIST OF SUPPORTING DOCUMENTS:

Project Budget
Ordinance
Contract
Location Map
Presentation