

Exhibit "E"

HIDALGO COUNTY

Professional Engineering Services
Contract # C-19-279-10-22
Work Authorization Form

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Section I.A. of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**," and, **SDI Engineering, LLC**, professional engineers of Edinburg, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide Engineering Design Plans and Specifications for the Construction of Linn-San Manuel Veterans Park

The scope of services to be provided by the **Owner** is identified in **EXHIBIT "A" - Scope of Services to be provided by the Owner** attached hereto.

The scope of services to be provided by the **Engineer** is identified in **EXHIBIT "B" - Scope of Services to be provided by the Engineer** attached hereto.

PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is **\$ 171,124.00**. This amount is based upon the costs outlined in the **Estimated Cost Proposal** attached hereto as **EXHIBIT "D"**.

PART 3. PAYMENT

Compensation and payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with **Article 6.1** of the Agreement.

PART 4. FUNDING

This **Work Authorization No. 1** shall be funded through funding source:

Account No. 9-1355-452-00-124-124-0-740

Requisition Number _____ (MUST BE INCLUDED AFTER CC APPROVAL)

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate "upon project completion" as indicated in the "Exhibit C-Preliminary Work Schedule".

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties' responsibilities and obligations provided under the **Agreement**.

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by **Hidalgo County Precinct No. 4** as to content and detail of this **Work Authorization No. 1**.

HIDALGO COUNTY PRECINCT No. 4

BY: _____
Ellie Torres, Commissioner

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on 10/22/19 as indicated below and effective as of 22nd day of October, 2019.

THE ENGINEER:
SDI ENGINEERING, LLC

THE OWNER:
HIDALGO COUNTY

By: _____
Isael Posadas, P.E., President

By: _____
Richard F. Cortez, County Judge

ATTEST:

Arturo Guajardo, Jr., County Clerk

LIST OF ATTACHMENTS

- EXHIBIT "A" - Service to be provided by the Owner
- EXHIBIT "B" - Services to be provided by the Engineer
- EXHIBIT "C" - Work Schedule
- EXHIBIT "D" - Fee Proposal
- EXHIBIT "D-1" Contract Fee Schedule

Exhibit “A”

Scope of Services to be provided by Owner

EXHIBIT A

SCOPE OF SERVICES BY OWNER

SUMMARY OF WORK:

The objective of this engineering project is to prepare preliminary and final plans for the construction of **Linn-San Manuel Veterans Park**, a 16-acre Park to be located on FM 1017 adjacent to the ECISD Brewster Campus, in Edinburg, Texas.

SERVICES PROVIDED BY THE OWNER:

1. The OWNER shall clearly define the Project to the ENGINEER and provide the ENGINEER with clear Project objectives, expectations, time schedules, budgets and other information necessary to the timely development of the Project.
2. The OWNER shall furnish the ENGINEER all pertinent information, documents, recorded "as-built" drawings of any existing facilities on property and surrounding areas (if available).
3. The OWNER shall make known to the ENGINEER any known restrictions and encroachments related to the Project Site such as restrictive covenants, building setbacks, etc. that may impact the location or configuration of the proposed improvements.
4. The OWNER shall be responsible to pay the ENGINEER in a timely manner for the approved work. Invoices shall be submitted to the OWNER on a monthly schedule and based on percentage of work accomplished.
5. The OWNER shall advise the ENGINEER of any additional services that may need to be performed by the ENGINEER.
6. It is the intention to utilize the existing property only for the design of the project; however, if additional property, easements, rights of way or abandonment's are required these services will be the responsibility of the OWNER.
7. The Owner shall be responsible for any applicable Filing Fees, Permitting Fees, and Inspection Fees by Others, as required.

Exhibit “B”

Scope of Services to be provided by the Engineer

EXHIBIT B

BASIC SCOPE OF SERVICES BY ENGINEER

SUMMARY OF WORK:

The objective of this engineering project is to prepare preliminary and final plans for the construction of **Linn-San Manuel Veterans Park (PROJECT)**, a 16-acre Park to be located on FM 1017 adjacent to the ECISD Brewster Campus, in Edinburg, Texas.

1. PRELIMINARY ENGINEERING PHASE I:

Objective: To acquire all pertinent information and Base Line Mapping, Topographic Survey, clearly identify all the elements of the PROJECT and corresponding engineering estimates.

TASK 1.1 - Discuss with OWNER, Hidalgo County Precinct 4 Staff, and other interested officials, all the anticipated elements of the PROJECT, including phasing, scheduling, concerns and alternatives.

TASK 1.2 - Obtain from the OWNER, all information relating to the property and any existing topographic maps for the PROJECT site.

TASK 1.3 - Prepare topographical survey of the PROJECT.

TASK 1.4 - Prepare Cost estimates for the PROJECT.

2. FINAL ENGINEERING DESIGN PHASE II:

Objective: To design all the elements of the Proposed Project as authorized by the OWNER and to prepare plans, specifications, and contract documents for such work.

TASK 2.1 - Prepare Preliminary Plans (30%, 60%, 90%) for the PROJECT as approved by the OWNER.

TASK 2.2 - Conduct internal QUALITY ASSURANCE AND CONTROL review on final plans to assure that all elements of the PROJECT have been addressed and analyzed.

TASK 2.3 - Prepare Specifications for the proposed PROJECT.

TASK 2.4 - Present Final Plans and Specifications for review to the OWNER.

TASK 2.5 - Prepare final cost estimate for the approved PROJECT.

3. BIDDING PHASE III:

Objective: To assist the OWNER with the Bidding Phase of the Project.

TASK 3.1 - Assist Owner with Advertisement and Distribution of Contract Documents

TASK 3.2 - Conduct Pre-Bid Conference

TASK 3.3 - Prepare responses to any requests for information (RFI) by bidders and prepare addenda for clarification of plans and bid documents.

TASK 3.3 - Assist the OWNER in the opening of bids.

TASK 3.4 - Review the bids received and evaluate and recommend for award.

4. CONSTRUCTION ADMINISTRATION PHASE IV:

Objective: To assist the OWNER with the construction phase of the Project (construction staking and resident inspection is not included).

TASK 4.1 - Assist with the Preparation and Execution of Construction Contract Documents.

TASK 4.2 - Attend with the OWNER, a Pre-Construction Conference and Prepare Notice to Proceed

TASK 4.3 - Conduct Periodic Site Visits to observe the work limited to two times per week for the contractual duration of the PROJECT.

TASK 4.4 - Review with the OWNER or the OWNER's PROJECT Inspector, conflicts encountered during construction and prepare recommendations for resolutions.

TASK 4.5 - Assist OWNER with Change Orders as required and approved.

TASK 4.6 - Assist the OWNER with reviewing periodic estimate submittals by the Contractor.

TASK 4.7 - Review Shop Drawings as submitted by the Contractor to assure general compliance with the Plans and Specifications.

TASK 4.8 - Assist the OWNER with the final inspection of the PROJECT.

TASK 4.9 - Assist the OWNER with the preparation of a "Punch List"

TASK 4.10 - Prepare Construction Contract Close Out Documents.

TASK 4.11 - Prepare "As-Built" plans and submit to OWNER in digital PDF format.

Exhibit “C”

Work Schedule

EXHIBIT C

WORK SCHEDULE

WORK SCHEDULE

Task Phase I - Preliminary Engineering

- 1.1 Project Coordination
 - 1.2 Existing Conditions
 - 1.3 Topographic Survey
 - 1.4 Develop Preliminary Projected Construction Costs December 15, 2019
-

Task Phase II - Final Engineering Design

- 2.1 Preliminary Review Plan Preparation (30%, 60%, 90%)
 - 2.2 Quality Control
 - 2.3 Technical Specifications
 - 2.4 Final Engineering Design
 - 2.5 Develop Final Project Construction Costs January 15, 2020
-

Task Phase III - Bidding/Procurement

- 3.1 Advertise and Distribute Contract Document
 - 3.2 Conduct Pre-Bid Meeting
 - 3.3 Address Contractor RFI's and Prepare Addenda
 - 3.4 Bid Tabulation, Evaluate Bids, Prepare Recommendation March 15, 2020
-

Task Phase IV - Construction Administration

- 4.1 Prepare and Assist with Execution of Construction Contract
 - 4.2 Pre-Construction Conference/Notice to Proceed
 - 4.3 Periodic Site Visits
 - 4.4 Conflict Review/Resolution
 - 4.5 Review/Recommend Change Directives/Change Orders
 - 4.6 Review/Recommend Periodic Pay Requests by Contractor
 - 4.7 Review/Comment Shop Drawings
 - 4.8 Conduct Final Inspection
 - 4.9 Prepare Punch List
 - 4.10 Contract Close Out
 - 4.11 Prepare As-Built Record Drawings September 30, 2020
-

*Note: This schedule is a proposed schedule and is subject to change as may be determined to be necessary through the duration of the project. The schedule assumes a 200 calendar construction time which should include adequate lost time for weather and other delays. Any necessary changes to the schedule will be done with approval of the OWNER and ENGINEER.

Exhibit “D”

Contract Rates

EXHIBIT D

Fee Proposal

SDIENGINEERING, LLC

Design Fee Breakdown

Project: Linn-San Manuel Veterans Park
Location: FM1017
Owner: ECISD/Hidalgo County Pct. 4

DATE: 5-Oct-19 SHT. 1 OF 1

	Description	Sr. Project Manager	Project Manager	Construction Inspector	Admin/Clerical	Total
1	Phase I - Preliminary Design Fee	89.00	190.00	188.00	36.00	503.00
2	Phase II - Final Engineering Design Fee	213.00	462.00	452.00	86.00	1213.00
3	Phase III - Bidding/Procurement	18.00	39.00	38.00	6.00	101.00
4	Phase IV - Construction Inspection, Management & Oversight	36.00	77.00	76.00	15.00	204.00

Labor Hours	356	768	754	143	
Contract Rates: \$	145.00	\$ 100.00	\$ 50.00	\$ 35.00	
	\$ 51,620.00	\$ 76,800.00	\$ 37,700.00	\$ 5,004.00	\$ 171,124.00

Exhibit “D-1”

Contract Fee Schedule

EXHIBIT D-1

CONTRACT FEE SCHEDULE

CONTRACT FEE

<u>Task</u>	<u>Phase I - Preliminary Engineering (25%)</u>	
1.1	Project Coordination	
1.2	Existing Conditions	
1.3	Topographic Survey	
1.4	Develop Preliminary Projected Construction Costs	\$ 42,781.00
<hr/>		
<u>Task</u>	<u>Phase II - Final Engineering Design (60%)</u>	
2.1	Preliminary Review Plan Preparation (30%, 60%, 90%)	
2.2	Quality Control	
2.3	Technical Specifications	
2.4	Final Engineering Design	
2.5	Develop Final Project Construction Costs	\$ 102,674.40
<hr/>		
<u>Task</u>	<u>Phase III - Bidding/Procurement (5%)</u>	
3.1	Advertise and Distribute Contract Document	
3.2	Conduct Pre-Bid Meeting	
3.3	Address Contractor RFI's and Prepare Addenda	
3.4	Bid Tabulation, Evaluate Bids, Prepare Recommendation	\$ 8,556.20
<hr/>		
<u>Task</u>	<u>Phase IV - Construction Administration (10%)</u>	
4.1	Prepare and Assist with Execution of Construction Contract	
4.2	Pre-Construction Conference/Notice to Proceed	
4.3	Periodic Site Visits	
4.4	Conflict Review/Resolution	
4.5	Review/Recommend Change Directives/Change Orders	
4.6	Review/Recommend Periodic Pay Requests by Contractor	
4.7	Review/Comment Shop Drawings	
4.8	Conduct Final Inspection	
4.9	Prepare Punch List	
4.10	Contract Close Out	
4.11	Prepare As-Built Record Drawings	\$ 17,112.40
<hr/>		

Total Engineering Fee: \$ 171,124.00