

General Information

City of Corpus Christi - Parks & Recreation

REC-2025-CCPARD-00014

The Recreational Trail Grant Program provides up to 80% matching funds for publicly accessible recreational trail projects throughout the state of Texas.

Prior to beginning this application, you must review the [Recreational Trails Program Guidance and Application Instructions](#)

DEADLINE

The application deadline is: Feb 3 2025 5:00PM.

IMPORTANT!

SAM Registration / UEI (REQUIRED)

Sponsors: Visit the federal System for Award Management (SAM) online at <https://www.sam.gov> to register for a Unique Entity ID (UEI) or confirm that you already have a UEI. Full registration in SAM is not necessarily required, but you must have a UEI to apply for federal grant funds. Please make sure your UEI is reported on your organization's sponsor profile in RGO..

Application Documents to Review Before Completing the Application

All required documents are available under the Resources link, and fillable-downloadable forms will be available in the appropriate sections within the application.

[Recreational Trails Program Guidance and Application Instructions](#)
[Recreational Trails Grant Program - Sample Blank Application](#)

If you have questions regarding any part the application documents or processes, please contact us:

Chris Sheffield

Program Manager

512-389-8749

Chris.Sheffield@tpwd.texas.gov

Erick Hetzel

Trails Coordinator

512-389-8128

Erick.Hetzel@tpwd.texas.gov

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Matthew Fougerat

Grant Coordinator

512-389-8712

Matthew.Fougerat@tpwd.texas.gov

Erica Keller

OHV Program Coordinator

512-389-8230

Erica.Keller@tpwd.texas.gov

Technical Information and Support

If you need programmatic or technical support, please contact our office by phone (512-389-4822) or email (rec.grants@tpwd.texas.gov). Our normal hours are 8am-5pm, Monday through Friday.

Once you've completed all of the documents associated with this application, you must submit it by the application deadline in order for it to be considered. For instructions on submitting your application see the RGO 2020 Quick Start Guide in the 'Resources' area of this website [located HERE](#).

Once submitted, you can download your complete application, but you will NO LONGER be able to make changes to it. If you discover an error in your submitted application PRIOR to the deadline, contact Blake Powers at blake.powers@tpwd.texas.gov.

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Paper copies of the application will not be accepted.

Applicant Information

City of Corpus Christi - Parks & Recreation

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Sponsor Information

Name of Sponsor/Applying Entity:	City of Corpus Christi - Parks & Recreation
Sponsor City:	Corpus Christi
Sponsor Address (Street):	1201 Leopard Street
Sponsor State:	Texas
Sponsor County:	Nueces County
Sponsor Zip Code:	78469
Sponsor Phone:	(361) 826-7529
Sponsor Fax (if applicable):	(361) 826-3864
Tax ID #/Comptroller ID (if government entity):	9999999999
Tax Exempt #/EIN (If Non-profit):	746000574
SAM - CAGE Code:	8R255
Unique Entity Identifier (UEI Number):	XETBTPKCL895

Primary Grant Management Contact for this Application

Application's Primary Contact: If primary contact is not shown in the dropdown menu, your Sponsor Administrator will need to add that person to this application (instructions for doing that can be found [HERE](#)). Primary Contact Information will populate below after saving the page.

Benavides, Monica

Primary Contact Information:

Primary Contact First Name:	Monica
Primary Contact M.I.:	
Primary Contact Last Name:	Benavides
Primary Contact Title/Position:	special projects manager
Primary Contact Address (Street):	400 Mann St. Suite 200
Primary Contact City:	Corpus Christi
Primary Contact State:	Texas
Primary Contact Zip Code:	78401
Primary Contact Phone:	(361) 826-3456
Primary Contact Fax (if applicable):	
Primary Contact Email:	monicas5@cctexas.com

Application Prepared By

Is the 'Primary Grant Management Contact' the person preparing this application for submission?

Yes No

No

Preliminary Acknowledgements

I certify that I have fully read and understand the [Recreational Trails Program Guidance and Application Instructions](#) document prior to completing this application.

Do you have your UEI?

Yes No

Eligibility Information

Sponsor Entity Type:

- City/County
- State Agency
- Federal Agency
- Other Governmental Body
- Not-for-Profit

If Not-for-Profit is selected, confirm you hold current 501c3 or Texas Not-for-Profit status.

Upload Proof of Not-For-Profit Document:

Check All Eligible Project Activities that are part of this project:

- Acquisition of Easements or Leases for Trail Corridors (**CONTACT PROGRAM STAFF IF CHECKED**)
- Acquisition of Property by Fee Simple Title for Trail Corridors (**CONTACT PROGRAM STAFF IF CHECKED**)
- Construction of New Recreational Trails
- Educational or Interpretational Signage
- Environmental Mitigation
- Renovation of Existing Trails
- Trail Accessibility Improvements
- Trail-head or Trail-side Facilities

Project Must Be Maintained and Open to the Public

I confirm that this project will be **maintained and regularly open to the public for 20 years or more** upon completion.

Project Sponsor Must Be Able to Expend Funds Prior to Grant Reimbursement

I fully understand that this is a reimbursement grant program, and my organization must have its own funding to expend for the completion of project grant elements prior to receiving reimbursement funds from TPWD.

Briefly describe (1000 characters or less) the commitment to continued maintenance for the proposed project. Please indicate who will be responsible for which operational and maintenance functions and how they will be funded (sustainability plan):

City of Corpus Christi Parks and Recreation department will be responsible for the operational and maintenance functions of the trail. The City of Corpus Christi, Texas funds its departments through a variety of sources, including taxes, grants, and other revenue through sales and property taxes.

Preliminary Acknowledgements, Eligibility Confirmation, Legal Information

City of Corpus Christi - Parks & Recreation

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Please describe the grant management experience of your staff and your plan to manage the programmatic and fiscal aspects of this federal trail grant. Include key staff names and past or current experience with TPWD grants or other grants (4000 characters or less):

The Assistant Director, Tyler Florence and Special Projects Manager, Monica Benavides currently manage all capital improvement projects for the Parks and Recreation department including grant funded projects with the assistance from the City's Grants, Finance, and Engineering departments. Tyler Florence holds a Masters in Parks and Recreation and Tourism and is a Certified Parks and Recreation Executive with over 20 years of experience. Monica Benavides holds a bachelor's in accounting and has over 10 years of budget analysis, grant work, and organizational strategic planning. Each department plays a vital role in implementing a plan until full execution. Each department has experience and trainings relevant to their discipline. The Department has previously received grant funds from Texas General Land Office, Community Development Block Grant federal, and state grants including from the Coastal Bend Bays and Estuaries Program the staff from various departments have assisted in full execution of projects.

List any previous grants received from the Recreation Grants Branch specific to this Project site. If none, enter N/A. (1000 characters or less):

\$7,500 Central Coast Conservation Grant – Swarovski Roadside Hawks/Swarovski Optik N.A., Ltd.
Hans & Pat Suter Wildlife Refuge Restoration/Enhancement – Submitted by Corpus Christi Convention & Visitors Bureau

This project will include repairs to the existing boardwalk and benches, install a photography blind, and remove invasive guinea grass and Brazilian Pepper Tree in the sanctuary.

Describe any non-compliance issues with any grant from the Recreation Grants Branch and provide a plan of action to remedy. Applicants in non-compliance may be considered ineligible for funding, depending on the severity of the issues. If none, enter N/A. (4000 characters or less):

N/A

Legal Information

Proof of Ownership and/or Legal Control

Describe the ownership of the trail corridor. If the land is currently in public hands, identify the name of the public land. If the land is not in the sponsor's ownership, include a statement of permission from the landowner to construct the trail project and keep it open to the public for 20 years. If land, easement, or other property interest will be acquired, describe how this will be accomplished. If acquisition in fee simple, include a statement of why easement was not possible. (4000 characters or less)

City of Corpus Christi owner ID 118493 property ID 200107240 Geographic ID 2476-0017-0060

Upload any Documents related to proof of ownership, permission, and/or legal control, if applicable:

https://tpwd-recgrants.intelligrants.com/_Upload/40925_1121358-NCADPropertyTaxID200107240-HanSuter.pdf

Describe any rights-of-way and/or easements at the Project site, if applicable (2000 characters or less):

N/A

Property Details

Account		
Property ID:	200107240	Geographic ID: 2476-0017-0060
Type:	R	Zoning: COMMERCIAL
Property Use:		
Location		
Situs Address:	909 ENNIS JOSLIN CORPUS CHRISTI, TX 78412	
Map ID:	U-164C	Mapsco:
Legal Description:	FLOUR BLUFF & ENC FRM GDN TRACT 27.95 ACS OUT SEC 17	
Abstract/Subdivision:	S2476	
Neighborhood:	(S2476) FLOUR BLUFF & ENC FRM GDN TR	
Owner		
Owner ID:	118493	
Name:	CITY OF CORPUS CHRISTI	
Agent:		
Mailing Address:	PO Box 9277 Corpus Christi, TX 78469-9277	
% Ownership:	100.0%	
Exemptions:	EX-XV - For privacy reasons not all exemptions are shown online.	

Property Values

Improvement Homesite Value:	N/A (+)
Improvement Non-Homesite Value:	N/A (+)
Land Homesite Value:	N/A (+)
Land Non-Homesite Value:	N/A (+)
Agricultural Market Valuation:	N/A (+)

Value Method:	N/A
Market Value:	N/A (=)
Agricultural Value Loss: ⓘ	N/A (-)
Appraised Value:	N/A (=)
HS Cap Loss: ⓘ	N/A (-)
Circuit Breaker: ⓘ	N/A (-)
Assessed Value:	N/A
Ag Use Value:	N/A

Information provided for research purposes only. Legal descriptions and acreage amounts are for Appraisal District use only and should be verified prior to using for legal purpose and or documents. Please contact the Appraisal District to verify all information for accuracy.

Property Improvement - Building

Description: CITY PARK Type: COMMERCIAL Living Area: 0 sqft Value: N/A

Type	Description	Class CD	Year Built	SQFT
ASP	ASPHALT	*	0	19483

Property Land

Type	Description	Acreage	Sqft	Eff Front	Eff Depth	Market Value	Prod. Value
REC	RECREATIONAL LAND	27.95	1,217,502.00	0.00	0.00	N/A	N/A

Property Roll Value History

Year	Improvements	Land Market	Ag Valuation	Appraised	HS Cap Loss	Assessed
2025	N/A	N/A	N/A	N/A	N/A	N/A
2024	\$27,276	\$4,565,633	\$0	\$4,592,909	\$0	\$4,592,909
2023	\$27,276	\$4,565,633	\$0	\$4,592,909	\$0	\$4,592,909
2022	\$27,276	\$4,565,633	\$0	\$4,592,909	\$0	\$4,592,909
2021	\$31,502	\$4,565,633	\$0	\$4,597,135	\$0	\$4,597,135
2020	\$31,502	\$4,565,633	\$0	\$4,597,135	\$0	\$4,597,135
2019	\$31,502	\$4,565,633	\$0	\$4,597,135	\$0	\$4,597,135
2018	\$0	\$4,565,633	\$0	\$4,565,633	\$0	\$4,565,633
2017	\$0	\$4,565,633	\$0	\$4,565,633	\$0	\$4,565,633
2016	\$0	\$4,565,633	\$0	\$4,565,633	\$0	\$4,565,633

Project/Site Information

City of Corpus Christi - Parks & Recreation

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General Project Information

Project Name: Hans & Pat Suter Wildlife Refuge Trail

Project Site Information

County Name for proposed project location: Nueces County
Texas **Senate** District Number for proposed project location (Not sure? Click [here](#)): 27
Texas **House of Representatives** District Number for the proposed project location (Not sure? Click [Here](#)): 32
US Congressional District Number for the proposed project location (Not sure? Click [Here](#)): 27
LATITUDE at trailhead or most prominent trail access point (as - or + ddd.ddddr). 27.70867
Not sure? Click [Here](#):
LONGITUDE at trailhead or most prominent trail access point (as - or + ddd.ddddr). Not sure? Click [Here](#): -97.33799
Project Extent Geospatial Data (in Google KML) optional:
TXDOT District of Project Site (Not sure? Click [Here](#)): Corpus Christi
Is the project site inside the boundaries of a **Metropolitan Planning Organization (MPO)**? If so, enter the name here. If not, leave blank. (Not sure? Click [Here](#)): No
If the project site is inside the boundaries of an MPO, enter the MPO ID here. (Not sure? Click [Here](#)): N/A

Physical Address of Project Site (or nearest intersection to the trail):

Street: 6001 Ennis Joslin Rd.

City: Corpus Christi

State: Texas

Zip: 78412

Site Map

This is to locate the trail for orientation purposes. The trail drawn on a park map or city map will suffice.

Please make sure the trail corridor is clearly marked and label any identifying landmarks like the nearest road.

Upload Site Map Document: https://tpwd-recgrants.intelligrants.com/_Upload/41690_1121354-T railOutline.jpg

Vicinity Map

This is to identify the general area within a county or large city. A sample is available [HERE](#).

If multiple files, scan into one document and upload.

Upload Vicinity Map Document: https://tpwd-recgrants.intelligrants.com/_Upload/41690_1121350-VicinityMap-HansandPatSuter.jpg

USGS Topo Map (7.5' series)

If multiple files, scan into one document and upload.

Free downloads are available from the USGS [HERE](#).

Please make sure your project site is marked on the map.

Project/Site Information

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Upload USGS Topo Map Document: https://tpwd-recgrants.intelligrants.com/_Upload/41690_1121359-USGSTopoMap7.5SeriesHansandPatSuter.pdf

Site Photographs

If multiple files, scan into one document and upload.

Provide well-labelled, representative photographs of the Project Site.

Upload Site Photographs Document: https://tpwd-recgrants.intelligrants.com/_Upload/41690_1121733-HansandPatSuterTrail.docx

Authorizing Resolution

See below for samples and fillable version:

[Authorizing Resolution \(Government\) - SAMPLE](#)

[Authorizing Resolution \(Non-Profit\) - SAMPLE](#)

[Authorizing Resolution - FILLABLE](#)

Upload *Authorizing Resolution* Document:

Is the proposed project location built on reclaimed land?

Yes No

Is there any history of ground contamination at the Project Site? e.g. former landfill, gas station, illegal dumping, brownfield, etc.

Yes No

Figure 5-Falling Trail

Existing trail falling due to erosion.
Trail would need to be shifted inward
to avoid future negative impacts to
trail with no erosion control in place.



Figure 5.1-Falling Trail

Existing trail falling due to erosion.
Trail would need to be shifted inward
to avoid future negative impacts to
trail with no erosion control in place.



Current asphalt trail





Suter Wildlife Refuge Trail

3

Suter Wildlife Refuge Trail

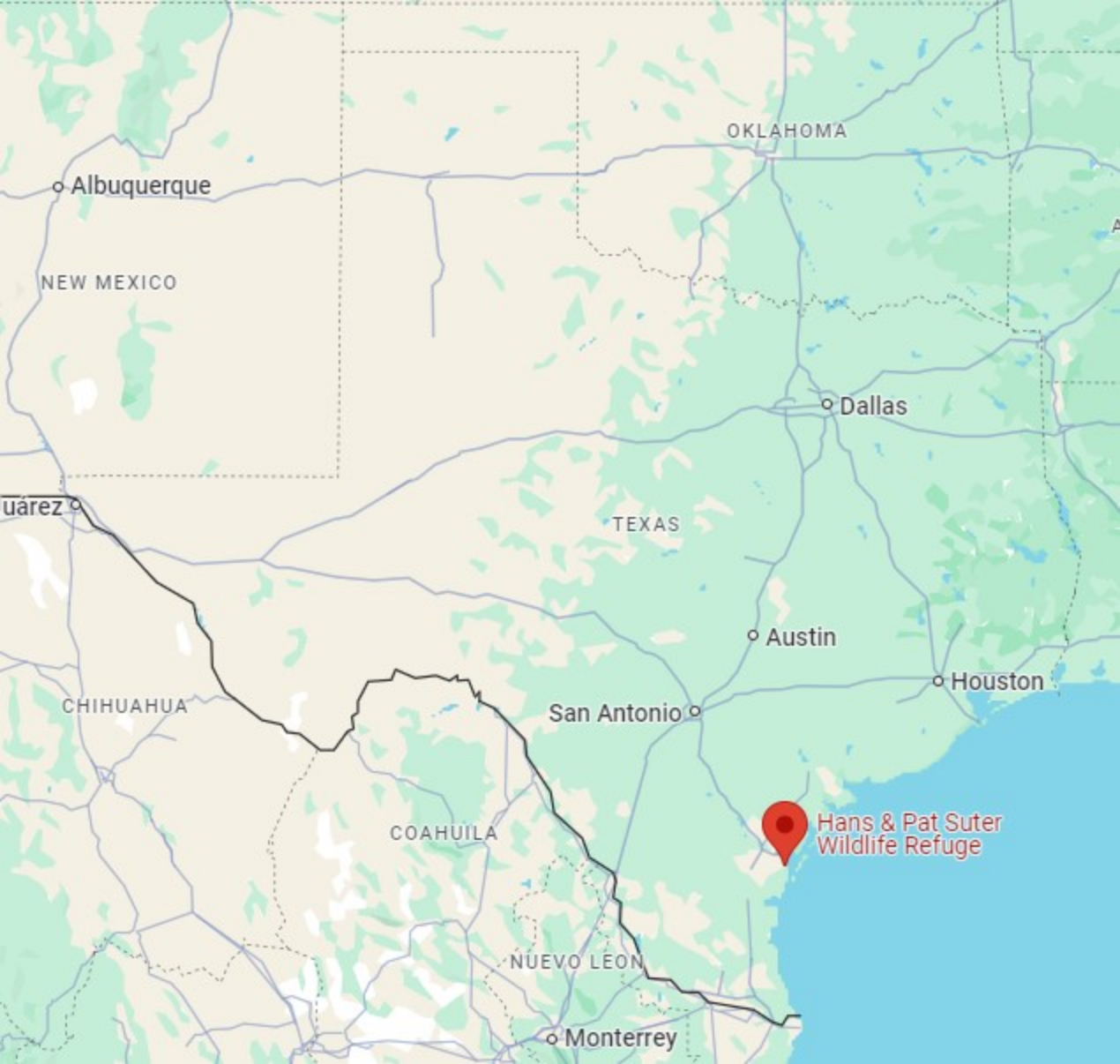
Ennis Joslin Rd

3

Ennis Joslin Rd

3

Sandpiper



OKLAHOMA

Albuquerque

NEW MEXICO

Dallas

TEXAS

Guáre

Austin

Houston

CHIHUAHUA

San Antonio

COAHUILA

Hans & Pat Suter
Wildlife Refuge

NUEVO LEON

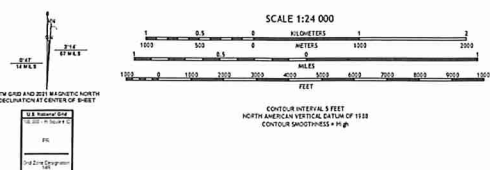
Monterrey



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84), Projection and
Coordinate System: Universal Transverse Mercator, Zone 16N
Data is provided by The National Map (Topo), is the best available at the time of map
generation, and includes data compiled from a variety of sources, including:
Photography, Geographic Names, Boundaries, Transportation, Structural, Land Cover,
and Other Data. Refer to associated Federal Geographic Data Committee (FGDC)
Metadata for additional source data information.

This map is not a legal document. Boundaries may be generalized for this map only.
Private lands within government reservations may not be shown. Obtain permission
before entering private lands. Topographic maps may have inaccuracies and some data
were collected and some data may no longer represent actual surface conditions.

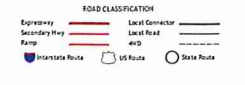
Learn About The National Map: <https://nationalmap.gov>



QUADRANGLE LOCATION

Corpus Christi	Portland	Port Ingalls
Osso Creek NE	Osso Creek SE	Osso Creek SW
Osso Creek NW	Port Ingalls	Osso Creek NE

ADJACENT QUADRANGLES



Proposed Project Details

Proposed Project Summary and Details

Project Summary

Please provide a brief summary of your project capturing only key essentials. Include any pertinent quantifiable metrics e.g. "Renovation of 12 miles natural surface equestrian trail with bridge replacement and volunteer training." (or) "New .81 mile 10' wide multi-use concrete trail with retaining walls, benches, signs, bike racks and trailheads." Please include only pertinent details such as trail length, trail width, trail material and any additional amenities requested within the grant. (200 characters or less)

Convert nature trail to an 8 foot-wide ADA accessible concrete sidewalk to increase resilience, accessibility, and improve safety for all visitors to the Refuge. Nature trail is approximately 1500LF.

Project Description

Please provide a clear and concise description of the proposed Project. Include a description of the trail length, width, surfacing, and configuration (loop, linear, network); trailhead and trailside amenities. Detail all work to be performed; any right-of-way or easements to be acquired; the relationship between Project and any other work planned or existing; partnerships and/or community involvement; and educational/interpretive aspects of the Project. (2000 characters or less)

Convert the existing 1,500 LF nature trail into an 8-ft wide concrete walkway that is ADA accessible. Any existing asphalt or other previously placed walkway materials will be demolished and removed. Trail length is 1,500' x 8' and approximately 12,000 square feet. Over the last 5 years the city and its partners have invested in the removal of invasive White Leadtree, the control of Brazilian peppertree, and have added new trees, shrubs, and forbs to

increase the plant biodiversity of the site. New plants are being funded directly from the parks operating budget. Funding from CITGO and the National Recreation & Park Association has helped fund both conservation crews and community volunteer events at the site. The Coastal Bend Bays & Estuaries Program is supporting new educational and interpretive signs to share the importance of the site with the community. The requested improvements in this application will help the site to continue being resilient by having the concrete pathway provide longevity against heavier rain events and keep the trail usable in all seasons. The concrete also makes this more accessible as wheelchairs, strollers, and other mobility tools will be able to use the trail and

new benches to widen the audience the space can serve.

Project Use and Benefits

Provide a brief description of the benefits of the proposed project in terms of the project's quality, geographic scope, recreational needs that are to be met and expected amount of trail use or population to be served. (2000 characters or less)

The Refuge is located within Bay Area East. Bay Area East is an urban neighborhood (based on population density) located in Corpus Christi, Texas. Bay Area East median real estate price is \$161,557, which is less expensive than 72.8% of Texas neighborhoods and 80.6% of all U.S. neighborhoods. With 57.3% of the households here made up of people living alone, people who live alone utilize outdoor spaces 80 percent more than those not living alone. Since Covid 19 we have seen a 50 percent rise in outdoor public use visits to parks and refuges which accounts for the increased use of this public

Refuge. In addition, the Bay Area East neighborhood has a greater percentage of children living in poverty (62.7%) than found in 97.4% of all U.S. neighborhoods. Children living in poverty is one of the challenges facing America, and the world, and in this neighborhood in particular, the problem can be considered acute. Also, neighborhood analysis shows that the Bay Area East neighborhood has a greater concentration of residents currently enrolled in college than 96.1% of the neighborhoods in the U.S. With 12.8% of the population here attending college, this is very much a college-focused neighborhood. The concrete also makes this more accessible as wheelchairs, strollers, and other mobility tools will be able to use the trail and new benches to widen the audience the space can serve

Proposed Project Details

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Intended Uses:

Motorized Non-Motorized Both

Types of Intended Uses

All-Terrain Vehicles

Bicycling

Equestrian

Four-wheel Drive Vehicles

Hiking/Walking

Jogging/Running

Motorcycles

Mountain Bicycling

Provisions for Disabilities

Skating/Skateboarding

Wheelchairs

E-Bikes

Other

(Please specify)

Total Project Length (in linear feet): 1,500

Total Project Width (in linear feet): 1,650

Total Project Length in Miles: 0.28

Is the intended Project for new trail construction, renovation of an existing trail, or for other amenities/infrastructure? (select all that apply)

New Trail

Renovation of Existing Trail

Both New Trail and Renovation of Existing Trail

Other Amenities/Infrastructure (bathrooms, parking lots, trail signage)

New Trail Construction

Provide the length of the trail and designate whether the length given is in miles or feet. If not applicable, please enter N/A.

0.28 miles

Renovation of Existing Trail

Provide the length of the trail and designate whether the length given is in miles or feet. If not applicable, please enter N/A.

0.28 miles

Other Amenities / Infrastructure

Please identify the other amenities / infrastructure that are included in your grant budget. If not applicable, please enter N/A. (1,000 characters or less)

n/a

Proposed Project Details

City of Corpus Christi - Parks & Recreation

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Public Access

Access by the general public is a fundamental element of the Recreational Trails Program. Describe your plan for general public access, including the level of access that the general public will have to the site, the number of days per week, number of hours per day, whether public access is currently offered at the site, security concerns, and any other pertinent access information. (4000 characters or less)

City public park hours are 7 days a week 6am-10pm

Project Budget Details

Project Cost Summary and Budget Narrative

Itemized Budget

- You must select SAVE after the entry of each line item, unit number, and unit cost so that the system may calculate the total cost.
- Enter whole dollar amounts for line items when possible. (i.e. round up to the nearest dollar)
- If it is not possible to enter a whole dollar amount for the price per unit (i.e. cost of labor will be \$22.55 an hour for a line item, etc), please note that this form will automatically round the total cost of each line item entered **UP** to the nearest whole dollar upon page save.
- Be sure to provide an itemized list of all activities to be undertaken and the cost of each activity. Provide as much detail as possible but combine similar materials into single line items (i.e., “trail tools”, “3-in. asphalt surfacing with 6-in. road base course”, etc.). You may provide additional detail in the narrative portion of the grant proposal or as a supporting document.
- Line items should be split 80%-20% except in-kind, volunteer labor, and similar match items that should be recorded as 100% sponsor costs.
- Use the most appropriate budget category for each line item. Do not use “Other Direct Costs” unless your line items do not fit under any other budget category. Use the “Labor” budget category only for your own work force. Use the “Construction Costs” budget category for a contracted work force.
- Do not include ineligible budget items. Project applications that contain ineligible budget items may be removed from funding consideration.

Unit Description	# of Units	Cost Per Unit	Sponsor Cost (20%)	TPWD Cost (80%)	Total Cost (Rounded up to nearest dollar)	Approved Federal Share	Approved Total Cost	TPWD Line Item Notes
SERVICE DELIVERY COSTS								
Labor (Force Account)			\$0	\$0	\$0	\$0	\$0	
Construction Costs (Contracted Services for Construction) and Materials/Supplies			\$0	\$240,000.00	\$240,000.00	\$0	\$0	
Construction Contractor	LS	\$240,000.00		\$240,000	\$240,000.00			
Environmental Surveys			\$0	\$0	\$0	\$0	\$0	
Engineering and Professional Services			\$60,000.00	\$0	\$60,000.00	\$0	\$0	
Interdepartment Services-Engineerin	LS	\$60,000.00	\$60,000		\$60,000.00			

For TPWD use only

Project Budget Details

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g, Permits,
Purchasing,
Planning
Equipment

\$0 \$0 \$0 \$0 \$0

Other Direct Costs

\$0 \$0 \$0 \$0 \$0

TOTAL PROJECT COST \$60,000.00 \$240,000.00 \$300,000.00 \$0 \$0

NOTE: All fields below will calculate after you have saved this page

TOTAL PROJECT COST \$60,000 \$240,000 \$300,000 \$0 \$0

REQUESTED PERCENTAGE (%) 20.00 % 80.00 %

TPWD APPROVED PERCENTAGE (%) 0.00 % 0.00 %

Proposed - Total Itemized Project Costs - (both federal and matching funds) \$300,000

Proposed - Total Federal Funds Requested - (80% or less of Total Project Cost) \$240,000

Proposed - Local Match Amount - (20% or more of total Project Cost) \$60,000

Approved - Total Itemized Project Costs - (both federal and matching funds): \$0

Approved - Total Federal Funds - (80% or less of Total Project Cost): \$0

Approved - Local Match Amount - (20% or more of Total Project Cost): \$0

Proposed Method of Financing Sponsor's Share

Please describe the source of funds, donations, or in-kind contributions that will make up the Sponsor's match (at least 20%). You may include government appropriations; private donations of land, easement, cash, labor, materials and equipment; or in-house labor, equipment and materials: Parks and Recreation general operating fund.

Project Budget Details

City of Corpus Christi - Parks & Recreation

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How will the development of the project be constructed/installed? (select all that apply)

- Contract
- Force Account / In-house labor
- In Kind
- Other Government Assistance
- Qualified Youth Corps
- Volunteers

In-Kind/Volunteer Match

Describe (1000 characters or less) the Methodology of financial value obtained for In-Kind/ Volunteer
N/A

Project Scope (if available - from Grant Agreement Details form)

TPWD Notes: *For TPWD use only*

Floodplains and Wetlands

Floodplain: The lowland and relatively flat areas adjoining inland and coastal waters including flood-prone areas of offshore islands, including at a minimum the 100-year floodplain.

Wetlands: Those areas that are inundated by surface or ground water with a frequency sufficient to support, and under normal circumstances support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, potholes, wet meadows, river overflows, mud flats, and natural ponds. Additional information on wetlands is available from the Texas Outdoor Recreation Plan (TORP) [Chapter 3-Wetlands](#).

Is any part of the Project area within a 100-year floodplain or include wetlands?

Yes No

Provide a floodplain map delineating the floodplain/wetland area and identify the proposed Project area. [Click Here](#)

Upload Floodplain/Wetland Map Document: https://tpwd-recgrants.intelligrants.com/_Upload/41715_1121347-FloodplainMapHanSuter.pdf

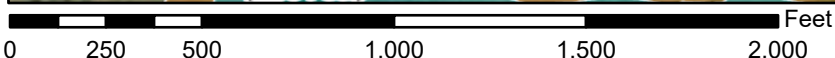
Environmental Impacts

Identify the level of any perceived environmental impacts. Describe the impacts based on the proposed development, and discuss any anticipated short and long-term impacts of the Project on the site. There is a dilapidated trail in place now and the conversion of this into concrete will provide long term impacts on the project site to include increased mobility and access to wildlife refuge and recreational viewing activities. The trail will need to be shifted inward towards higher elevation to avoid coastal erosion and some vegetation will be removed, majority of vegetation within this area is invasive.

National Flood Hazard Layer FIRMette



97°20'25"W 27°42'30"N



1:6,000

97°19'48"W 27°41'58"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- | | | |
|------------------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE)
<i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | 20.2 Cross Sections with 1% Annual Chance |
| | | 17.5 Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| MAP PANELS | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
| | | The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. |



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **1/10/2025 at 8:26 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Additional Optional Uploads

City of Corpus Christi - Parks & Recreation

REC-2025-CCPARD-00014

Instructions:

Please upload the items below, if you already have them. If not, you can proceed with submitting your application, but please note that some of them may eventually be required if your project is selected for funding:

Environmental Surveys (please scan all related documents and upload as single PDF)

Upload Environmental Surveys Document:

THC-SHPO Coordination (please scan all related documents and upload as single PDF)

Upload THC-SHPO Coordination Document:

Tribal Consultation (please scan all related documents and upload as single PDF)

Upload Tribal Consultation Document:

Final Design and Specifications (please scan all related documents and upload as single PDF)

Upload Final Design and Specifications Document:

Do you have additional supporting documents related to your proposal? If so, scan those documents into a single PDF, then upload.

Upload Additional Supporting Documents:

[https://tpwd-recgrants.intelligrants.com/_Upload/41716_1121351-HDRProposal2024-12-18PRO\(COC CSuterPark\)_Rev1.pdf](https://tpwd-recgrants.intelligrants.com/_Upload/41716_1121351-HDRProposal2024-12-18PRO(COC CSuterPark)_Rev1.pdf)



December 4, 2024
December 18, 2024 (Rev 1)

MCN 10416503

Mr. Jeff Edmonds, P.E.
Director, Capital Programs
City of Corpus Christi
P.O. Box 9277
Corpus Christi, TX 78469-9277

RE: PROPOSAL FOR 30% PRELIMINARY DESIGN AND PERMITTING FOR WALKWAY AND SHORELINE PROTECTION IMPROVEMENTS AT SUTER PARK

Dear Mr. Edmonds:

Thank you for inviting HDR to submit this proposal for 30% preliminary design and permitting for walkway and shoreline protection improvements at the Hans & Pat Suter Wildlife Refuge. We understand the City is partnering with the Coastal Bend Bays & Estuaries Program to resurface or convert the existing nature trail into an 8-ft wide concrete walkway that is ADA accessible. In addition, shoreline protection is planned along portions of the trail adjacent to Oso Bay. This proposal is limited to 30% preliminary design and environmental permitting. Our proposed scope of services is described in more detail below.

SCOPE OF SERVICES

HDR's overall proposed services are as listed in Table 1.

Table 1. Proposed Services.	
1.	Basic Services
	Task 1.1: 30% Preliminary Design (Lump Sum)
2.	Additional Services
	Task 2.1: Topographic Survey (Lump Sum)
	Task 2.2: Regulatory Support (Time and Materials)

Task 1.1: 30% Preliminary Design

Task 1.1 will consist of 30% preliminary design for approximately 1,500 LF of walkway improvements and 150 feet of shoreline protection at the locations shown in Figure 1. HDR will perform the following under this task:

1. Facilitate a kickoff meeting and reconnaissance site visit with City staff to discuss project goals, schedule, scope, deliverables, and project concepts.
2. Gather, compile, and review readily available existing site information such as previous topographic surveys, previous geotechnical investigations, data provided by the City and Texas Railroad Commission on underground utilities and pipelines, wind data, and

water level statistics. HDR will also perform wave calculations for design water level and wind conditions.



Figure 1. Project Features.

3. Perform a geotechnical investigation consisting of field data collection and laboratory testing. Two land-based geotechnical borings will be advanced within the proposed shoreline protection area. The borings will be sampled continuously to a completion depth of 26 feet below existing ground surface, unless refusal is encountered at a shallower depth. The borings will be backfilled with cement-bentonite grout. Laboratory testing will be performed on select samples retrieved from the exploratory borings. Testing will be performed on select samples following applicable ASTM standards and may include:
 - a. Moisture Content

- b. Atterberg Limits
- c. Sieve Analysis
- d. Hydrometer
- e. Material Finer than the No. 200 Sieve
- f. Unconfined Compression Strength
- g. Unconsolidated Undrained Triaxial Compressive Test
- h. Consolidated Undrained Triaxial Compressive Strength Test (3 Loads)
- i. Direct Shear Test (3 Loads, remolded)
- j. Dispersion Potential (Crumb Tests)
- k. Corrosion Series (Redox, pH, Chloride Ion, Sulfate Ion and Resistivity)

Results will be compiled in a data report that will include the following information:

- a. Vicinity map showing the location of the project site.
- b. Description of the drilling and laboratory procedures.
- c. Boring location map.
- d. Boring logs with field and laboratory test results.
- e. A subsurface profile showing boring logs.
- f. Summary table of laboratory test results.

A geotechnical subconsultant to HDR will perform the drilling and laboratory testing services.

- 4. Develop a 30% preliminary design to resurface or convert the existing 1,500 LF nature trail into an 8-ft wide concrete walkway that is ADA accessible. Our analysis will assume any existing asphalt or other previously placed walkway materials will be demolished and removed. Our analysis will evaluate the potential requirement of adding infrastructure to meet ADA accessibility; however, our scope excludes design of supplemental infrastructure such as ramps.
- 5. Develop two to three shoreline protection concepts. Concepts may include revetment, bulkhead, and living shoreline concepts. Conceptual design exhibits will be prepared for each concept.
- 6. Develop a preliminary opinion of probable construction cost (OPCC) for the walkway improvements and each shoreline protection concept. The OPCC will be developed as a Class 4 estimate in accordance with AACE International guidance.
- 7. Perform cursory-level alternatives evaluations to assess feasibility of the shoreline protection concepts and compare them in terms cost, regulatory constraints, resiliency, aesthetics, and compatibility with the existing shoreline protection.
- 8. Results of Task 1.1 will be presented in a 30% Design Memorandum. The report will be submitted to the City in draft format and HDR will schedule a project review meeting. Upon receipt of the City's review comments, HDR will finalize the memorandum.

Task 2.1: Topographic Survey

HDR will perform a topographic survey to support the 30% preliminary design and permitting effort. The topographic survey will be limited to the portion of the park directly adjacent to the proposed shoreline protection improvements and the proposed 1,500 LF walkway

improvement areas. Transects will be spaced approximately 25 feet along the shoreline and will extend from the existing walkway to approximately 25 to 50 feet into the bay. Topography will also be surveyed along the existing walking path as needed to define a profile and grading plan for the improved walkway. The survey will be tied into existing NGS control as available, and additional temporary control will be set as needed to meet or exceed horizontal and vertical fourth-order accuracy standards.

Task 2.2: Regulatory Support

HDR's environmental staff will perform a formal site investigation, including a wading survey, to determine the presence of any special aquatic resources, such as oysters or wetlands, along the project shoreline. HDR will survey submerged areas 100 feet waterward of the existing shoreline or until the water exceeds wading depths, whichever is shorter. A brief report describing the site investigation will be provided. If identified, aquatic species will be delineated to determine the acreage of permanent and temporary impacts that could occur from the project. If a delineation is required, it will be performed following USACE's 1987 Wetland Delineation Manual and Atlantic and Gulf Coastal Plain Regional Supplement (Version 2.0). Based on the site's proximity to Oso Bay, HDR assumes any identified wetlands will be jurisdictional as defined in Section 404 of the Clean Water Act. A passive habitat survey will be performed to document the presence/absence of protected species, and information from this survey will be summarized in a habitat delineation report. HDR's environmental staff will provide a draft habitat delineation report to the City for review and comment.

Following the formal environmental site investigation, HDR will prepare a USACE Section 10/404 Individual Permit (IP) application, including drawing exhibits for the project. The draft permit application will be used to request a project-specific Pre-application meeting with USACE. After the meeting, the permit application will be updated to reflect findings from the pre-application meeting and will be provided to the City for review. The updated permit application package will be submitted to USACE for processing. If it is determined during the pre-application meeting that a Nationwide Permit (NWP) can be utilized, HDR will prepare a pre-construction notification (PCN) with attachments to meet the conditions of the NWP. The contents of a PCN are similar to an IP but may be processed more efficiently through USACE, the U.S. Fish & Wildlife Service (USFWS), and the National Marine Fisheries Service (NMFS). HDR will serve as the "authorized agent" for the City, track the processing of the application by USACE, and respond to requests for additional information from USACE and/or resource protection agencies. This task includes the development of the Section 401 water quality certification pre-filing request, certification request, and additional coordination time with the Texas Commission on Environmental Quality (TCEQ).

In support of the USACE permit application, HDR will conduct a basic desktop database review of the Texas Historical Commission's (THC's) Archeological Sites Atlas, Historical Sites Atlas, and historical records at the GLO to determine the presence or absence of previously recorded cultural resources within the three project locations and a 1-mile buffer. The records search will define previous cultural resources management projects, archaeological sites, National Register properties, cemeteries, historic markers, or other cultural resources within the project or the surrounding buffer areas. Additionally, HDR will consult data from the U.S. Department of Agriculture Natural Resources Conservation Service Soil Service, the Geologic Map of Texas, and the Texas Department of Transportation's Potential Archaeological Liability Maps to assess the potential of the project areas for containing preserved archaeological deposits.

HDR will also review historical maps and aerial photography to identify potential historic-age archaeological sites and architectural resources and document the degree of landscape modification that has occurred since the early twentieth-century period. The cultural resources review results will be provided in a Desktop Cultural Resources Report as an attachment to the USACE permit application. Due to the project's proximity to known archaeological sites, HDR anticipates additional coordination may be required with THC and USACE. This scope does not include a field archaeological survey. If THC requires field surveys, additional fee will be required.

This scope of work includes time to respond to public and agency comments on the public notice and time to respond to one information request from USACE Regulatory Division. Development of a compensatory mitigation plan is not included in this scope based on our expectation that the project will have negligible impacts on threatened and endangered species. Should compensatory mitigation be required, a mitigation plan would be developed under a separate scope and fee.

ASSUMPTIONS AND LIMITATIONS

HDR's proposal for these services and fee are based on the following assumptions and limitations:

- This proposal excludes detailed design, preparation of plans and specifications, regulatory and permitting services, bidding phase services, and construction phase services.
- This proposal excludes drainage analysis or design of drainage improvements.
- This proposal excludes corridor modeling for walkway earthwork.
- This proposal excludes a Coastal Boundary Survey and coastal land lease application with the Texas General Land Office.
- HDR' scope of work excludes identification of existing underground pipelines and utilities. Identification of existing utilities will be based on information provided by the City, review of online data from the Texas Railroad Commission, and any visible above-ground utilities observed at the site. A detailed subsurface utility location investigation is not included as part of this scope.
- Coordination with the Federal Emergency Management Agency (FEMA) or consideration of floodplain impacts are not anticipated to be required. Any required coordination with FEMA or floodplain map revisions are not included.
- A stand-alone set of survey drawings is not included for the topographic and bathymetric survey. Survey results will be provided in our 30% design exhibits.
- This scope does not include participation in meetings or presentations to City Council or the Watershore and Beach Advisory Committee.

- The cultural resources investigation is limited to a desktop effort. Should a more detailed cultural resources investigation and associated fieldwork be required by USACE or the Texas Historical Commission, HDR will propose this work under a separate scope and fee.
- This scope does not include hydrodynamic numerical modeling for development and/or refinement of project design parameters.
- HDR has not budgeted for development of a formal design calculations summary package. If a design calculations package is desired by the City, this information can be prepared by HDR through a separate scope and fee.
- The OPCC will be developed on the basis of HDR's experience and qualifications, and will represent our judgment as experienced and qualified professional engineers generally familiar with this industry. However, because HDR has no control over the costs of labor, materials, equipment, or services furnished by others, or over the contractor's methods of determining prices, or over competitive bidding and market conditions, HDR cannot and does not guarantee that proposals, bids, or actual project costs will match our OPCC. If the City desires greater assurance on probable construction costs, consideration should be given to retaining an independent cost estimator.
- The following assumptions have been made in developing the geotechnical field investigation service scope:
 - One mobilization and demobilization for drilling the geotechnical soil borings.
 - Permissions and any permits required for site access, drilling, and sampling will be obtained by the City prior to mobilization of our field crew to the site.
 - No additional safety training is required for our field crew beyond our own safety training by HDR and HDR's subcontractor.
 - The boring locations will be free of underground obstructions. If underground obstructions (rubble, debris, etc.) are encountered, HDR will coordinate with the City to evaluate potential project design impacts and modify the geotechnical field investigation accordingly. Obstructions may result in terminating or relocating the borings. HDR will notify the City and obtain approval in advance of any additional work associated with concealed obstructions that would require additional cost.
 - Field exploration locations will be accessible to truck-mounted or ATV-mounted drilling equipment.
 - HDR's subconsultant will make reasonable efforts to limit ground disturbances and distress to the area.
 - Drilling fluids and soil cuttings will be disposed onsite near the boring locations.
 - Field services to be performed in Level D personal protective equipment during normal daytime working hours.
 - Geologic fault study and dynamic soil analyses are beyond our geotechnical study scope.

FEE, DELIVERABLES, AND SCHEDULE

HDR proposes to provide these services for a lump sum fee of **\$184,734** in accordance with the terms and conditions of our Master Services Agreement for General Civil Projects in Engineering Services Department (Service Agreement No. 4848). Task 1.1 (30% Preliminary

Design) and Task 2.1 (Topographic Survey) will be performed on a Lum Sum basis. Task 2.2 (Regulatory Support) will be performed on a Time and Materials basis. A cost summary for these services is provided in Table 2, and a detailed fee breakdown is provided in the attached manhour and expense estimate. A list of deliverables and our preliminary schedule is shown in Table 3. Any work outside the proposed Scope will be added, with authorization from the City, through a formal Scope Change Document and associated fee agreement. This proposal is valid for 60 days from the date of this letter.

Table 2. Cost Summary.

	Contract	Proposed Total Contract
1. Basic Services:		
1.1 30% Preliminary Design (Lump Sum)	104,606.00	104,606.00
1.2 Final Design Phase (N/A)	-	-
1.3 Bid Phase (N/A)	-	-
1.4 Construction Administration Phase (N/A)	-	-
Subtotal Basic Services Fees	104,606.00	104,606.00
2. Additional Services:		
2.1 Topographic Survey (Lump Sum)	14,644.00	14,644.00
2.2 Regulatory Support (T&M)	65,484.00	65,484.00
Subtotal Additional Services	80,128.00	80,128.00
Summary of Fees		
Basic Services Fees	104,606.00	104,606.00
Additional Services Fees	80,128.00	80,128.00
Total of Fees	184,734.00	184,734.00

Table 3. Deliverables and Preliminary Schedule.			
Task	Deliverables	Approximate Schedule for Completion	Approximate Amount per Task
1.1 30% Preliminary Design	1. Project Kickoff Meeting Notes 2. Site Visit / Photographs and Notes 3. Geotechnical Data Report 4. 30% Design Memorandum (Draft) 5. Progress Review Meeting Notes 6. 30% Design Memorandum (Final)	- 5 mos from NTP	\$104,606 (Lump Sum)
2.1 Topographic Survey	1. Survey Plots will be provided in 30% Design Memorandum	- 3 mos from NTP for survey completion - 5 mos from NTP for final report	\$14,644 (Lump Sum)
2.2 Regulatory Support	1. Site Investigation report or Habitat Delineation Report 2. Draft pre-application materials (exhibits) and mtg notes 3. Comment response matrix for agency comments on IP application 4. Response letters and material to address agency requests. 5. Final Exhibits. 6. Desktop Cultural Resources Report (this will be an attachment to USACE permit application). 7. IP or NWP application for USACE submittal. 8. Final response letter.	- Site Investigation Report or Habitat Delineation Report: 3 mos from NTP - Pre-application Meeting: 7 mos from NTP - Draft PCN or IP App: 8 mos from NTP - Final PCN App: 10 mos from NTP	\$65,484 (T&M)
Total Proposed Fee:			\$184,734
<p>Note: Actual schedule for all deliverables is dependent on HDR's receipt of review comments and other needed feedback from City. HDR has assumed one week for City review of deliverables.</p>			

Thank you again for considering us for this project. Please do not hesitate to contact Dan Heilman at 361-696-3344 if you have questions or require any additional information.

Sincerely,

HDR ENGINEERING, INC.



Daniel J. Heilman, P.E.
 Project Manager



David C. Weston
 Vice President
 Area Manager

Cc: Bryan Carter, P.E., City of Corpus Christi

Attachments:

- Manhour and Expense Estimate (Dated 12/10/2024)
- Surveying Proposal from CivilCorp, LLC (Dated 12/17/2024)
- Geotechnical Proposal from UES (Dated 12/03/2024)