

October 26, 2023

Mr. Jeff Edmonds, P.E.
Director of Engineering Services
City of Corpus Christi
PO Box 9277
Corpus Christi, TX 78469-9277

**Re: City of Corpus Christi
23020 - Oso Creek Channel Bottom Rectification**

Dear Mr. Edmonds,

We are pleased to present this proposal for providing civil engineering services in connection with the above referenced project. Our proposed scope of services and associated fees are as follows:

PROJECT SCOPE

The Consultant (Hanson Professional Services, Inc. and their teaming partners) will develop the preliminary and final design, permitting and construction plans for the Oso Creek Channel Bottom Rectification project with associated stormwater improvements projects within the Oso Creek watershed. The intent of this project is to improve a 12-mile section of Oso Creek from Greenwood Drive (just downstream outfall of La Volla Creek confluence) to Yorktown Boulevard (the outfall into Oso Bay). This project is funded through a combination of City funds and funds from the Texas Water Development Board (TWDB).

The Consultant intends to accomplish this task by developing an Engineering Feasibility Report (EFR) by reviewing, updating and refining existing hydrologic and hydraulic models, identifying permitting constraints, understanding water quality and restoration potential opportunities, developing a prioritized project development matrix with a detailed estimate of overall project costs within the watershed to include the channel bottom rectification in conjunction with other stormwater management improvements. This involves meetings with City staff to review identified projects and prioritization matrices and providing periodic updates to stakeholders.

Once the EFR is approved by the City and the TWDB, permitting and final design of the identified main channel improvements will proceed. This effort will include the permitting and design of all stormwater management components and structures, identifying utility conflicts and managing required adjustments, identifying required easements / ROW and assist in the acquisition process, and preparation of a full set(s) of construction plans and contract documents that are ready for the bidding phase. Additionally, the consultant will coordinate with FEMA to coordinate the revision of the NFIP maps based upon the proposed improvements.

The Project is anticipated to include the following **Basic Services**:

- Task A-1. Project Management and Meetings
- Task A-2. Preliminary Engineering Report
- Task A-3. Design Phase

A-1. PROJECT MANAGEMENT AND MEETINGS

\$167,057.00

Consultant will regularly communicate throughout the project with the City through teleconference calls, online conferencing, or in person meetings as detailed below for coordination and progress updates. The following meetings are required to accomplish the various tasks outlined in this scope:

Project Kick-off Meeting – Consultant will coordinate a project kick-off meeting. The kick-off meeting will include introduction of Consultant’s team to the City, City staff introductions, and communication and invoicing protocols. Consultant will provide the City with a data request list and agenda prior to the meeting, to be discussed at the meeting. The kick-off meeting will also serve to provide for further scope development and refinement between the City and Consultant.

Project Team Coordination meetings – Consultant will participate in monthly progress meetings with City’s Project Manager at the City Offices to review progress, discuss data needs, and any topics of special concern. The results of these meetings will be documented in the Project Status Report. A maximum of two (2) hours is anticipated for each meeting. These meetings will primarily consist of teleconference calls. Consultant will prepare summary notes from each meeting and submit to the City’s Project Manager for review and approval. It is anticipated that the work will be completed in twenty-four (24) months, so up to twenty-five (25) City staff status meetings are anticipated in this scope.

Project Status Reports – Consultant will prepare and submit monthly status reports of the overall project schedule, critical tasks, and coordination in conjunction with each monthly invoice.

a. Deliverables:

- **Project Management Plan** – The PMP will include the project team members, organizations flowchart, team directory and contacts, the updated project schedule with tasks, milestones, and deliverables.
- **Monthly Updates** – Consultant will deliver monthly updates to the City identifying the progress, updated schedule and budget, notify the City of project needs, and identify

A-2. PRELIMINARY PHASE

\$576,438.00

Consultant will review, update and refine existing hydrologic and hydraulic models, develop a prioritized project development matrix within the watershed to include the channel bottom rectification in conjunction with other stormwater management improvements within the main channel and other tributary channel improvements, develop desktop environmental and cultural resources assessment with an opportunities and constraints analysis including initial coordination with the USACE and other regulatory agencies,

Data Collection - Consultant will coordinate with the City to obtain the following data:

- Updated City Drainage Masterplans and Capital Improvements Plan – The City shall identify and provide the City’s most recent comprehensive stormwater masterplan updates and coordinating CIP and any other related documentation.
- GIS Data – City to provide utility, parcels, existing zoning, future land use, and planimetric data including the latest LiDAR information projected in NAD 83 State Plane, South Texas Zone coordinates. Additional data may be collected from other public sources including flood and rainfall data, water quality and environmental data, and cultural resource data.
- Record Drawings/Plans – City to provide the record drawings / as-built plans for existing major storm drains and channel updates within the project limits.

Existing Modeling / Master Plan Review and Updates - Consultant will coordinate with the City to obtain the previously completed hydrologic and hydraulic models and other pertinent drainage master plan information. The review will be used to understand limits, opportunities, and constraints identified within these models and master plans, identify the methodology for the modeling updates, and initiate the project identification and prioritization. Consultant will refine the existing models with updated topographic data utilizing approved methodology.

Preliminary Design – Develop Conceptual Stormwater Management Projects - The refined H&H models along with the restoration and water quality considerations will be used to develop conceptual designs of appropriate stormwater management improvement projects within Oso Creek. The projects will be developed in concert with the understanding of the permitting analysis and assessments and potential costs and constructability concerns. The projects will be assessed based on the benefits to the creek’s overall hydraulic performance, water quality performance, restoration potential and ecological integrity. A prioritization matrix, developed with the City staff and stakeholders, will be used to identify priority projects within the creek. Additional components of the preliminary design include project site assessments, and field geomorphic data collections for water quality opportunities (geomorphic channel surveys, soil/substrate collection and analysis, and existing vegetation analysis).

Assimilation of Environmental Desktop Assessment, Identification of Impacted Utilities and Assessment of Easement / ROW Needs in EFR – The Consultant will assimilate the results, reports, and evaluations of these tasks, that are included with the Additional Services scope, into the EFR.

Preliminary Project Cost Estimates – Consultant will develop an opinion of probable construction costs (OPCC) and a constructability report for the identified stormwater management improvement projects. These OPCC and constructability analyses will be updated throughout the design process.

Engineering Feasibility Report – Consultant will draft the Engineering Feasibility Report (EFR) to form the conceptual basis for the flood mitigation strategy and stormwater management project approach. The EFR will conform with the Texas Water Development Board’s *Guidance for the Preparation of Flood Mitigation Project Engineering Feasibility Reports* and will include the data collection, H&H design methodology to meet the modeling standards, existing conditions based upon updated models, full environmental desktop assessment, the preliminary design of stormwater management improvements within Oso Creek, the Resilience Alternatives Analysis prescribed by the TWDB, and other project specific requirements. The EFR will be considered the 30% design submittal and will develop typical channel dimensions, alignment, cross sections and profiles for the channel bottom rectification, plan sheets for the preliminary design features, preliminary water quality components and best management practices (BMP) sizing and details.

a. Deliverables:

- **Project GIS Database** – The GIS Database will include project specific hydrologic attributes, environmental permitting components, channel geomorphology, utilities, property limits with easements and ROWs, and other project specific.
- **Project Prioritization** - A list of potential projects will be provided and prioritized based on factors such as hydraulic, water quality and ecological benefits and costs. An exhibit will be provided that identifies the project locations, prioritization, and costs.

- **Engineering Feasibility Report** – The EFR will include the items mentioned above to meet the TWDB requirements. The draft and final EFR will be submitted to the TWDB for review and approval. Additionally, the EFR will include identified the environmental permitting desktop assessment, the analysis of the probable ROW / easement acquisitions required for the conceptual projects, and the results of the existing utility conflicts report. The EFR will include the preliminary design (assumed 30% construction drawing submittal) and opinion of probable construction costs with a constructability report of the identified stormwater management improvement projects.

b. Assumptions:

- *City to provide regular guidance and regular feedback through staff and possible stakeholder group to help identify prioritized project design criteria.*
- *Coordination with other local governmental agencies – TxDOT, Nueces County, TWDB, TxGLO, etc. – is facilitated through the City’s project manager.*
- *Meetings will have virtual accommodations allowing for ease of access for all parties and reduce the travel time and costs associated with the number of anticipated meetings.*

A-3. DESIGN PHASE

\$2,645,080.00

Consultant will proceed with refining the design and developing construction drawings for the Oso Creek Channel Bottom Rectification and other associated, prioritized stormwater management projects within the creek. As the EFR will help identify, define, and prioritize the potential stormwater management projects and associated opportunities and constraints, categorizing specific costs, within this contract, for the design phase elements should be considered preliminary and adaptable based upon the project needs identified within the EFR. It is anticipated that several construction contract sets may developed depending on the construction discipline involved, the location of the improvements, permitting requirements, timeline constraints, or other factors. The determination of these construction contract sets will be decided by City staff and Consultant during review and approval of the EFR, prior to commencement of the design phase.

Manage Utility Conflicts and Required Adjustments - Consultant will coordinate with the City and other franchised and private utility owners for the relocation of the utilities, as identified within the EFR. It will be decided, prior to the design phase, whether those utility relocations will be included in separate contracts or grouped together. The construction drawings and specifications for these projects will be coordinated through the utility owners.

Design Submittals – The EFR will incorporate the 30% draft submittal and will provide the general project approach and layout as described previously. The subsequent submittals within the Design Phase scope include a 60%, 90%, 100%, and Final submittal. These submittals will include submittal checklists, OPCCs, Front end document, technical specifications, project summaries, bud forms and construction plans with prior review comment resolutions.

- **60% Construction Plans** - Building upon the 30% plans and comments, and upon approval of the design elements presented in the EFR, Consultant will begin the detailed design development of the project. This will include refining the limits of disturbance, finalizing channel bottom rectification cross sections and profile, in-stream structure location and type, incorporating a grading plan and structural modifications to bridges or other project impacted structures. Stormwater BMP selection will be finalized and designed and the standard details will be revised.

- **90% Construction Plans** - The 90% design will be revised based on comments received from the 60% review meeting. All design aspects will be finalized including: alignment, profile, grading, structure types and location, utility relocations, erosion and sediment control features, site access, vegetation plans, and existing tree plan. Cut/fill quantity estimates will be generated and shown on the plans along with other project specific quantities of stormwater management devices and structures, utilities, vegetation, erosion control devices, and all other pertinent items will be finalized. Additionally, the construction sequence will be incorporated into the project plans, and the OPCC and constructability reports will be updated.
- **100% Construction Plans** - The 100% design will be revised based on comments received from the 90% review meeting and will incorporate all comments from the City, regulatory agencies, and project team QA/QC professionals. The construction sequence and special provisions will be finalized and incorporated into the project plans, and the OPCC and constructability reports will be completed.

FEMA Coordination and Map Revision – An expected result of the Oso Creek Channel Bottom Rectification and associated stormwater improvement projects is an overall drop in the 100-yr storm water surface elevation (WSE) and a reduced footprint of the 100-yr floodplain. This WSE is the basis for the base floodplain elevations (BFE) identified on the NFIP maps. To change the BFE and floodplain boundaries on the panels/maps, extensive documentation and coordination is required. The consultant will assist the City in this effort, providing updated hydrologic and hydraulic modeling and mapping and the refinement of approximate Zone A floodplain boundaries. During the coordination with FEMA it will be determined whether a physical map revision (PMR) or a letter of map revision (LOMR). There are associated community comment and input typically associated with this effort along with associated review fees charged by FEMA. LOMRs are primarily intended for small areas of change where flood hazards are typically decreasing. Due to the anticipated size of the area of change, the fees included within this task assume a PMR will be required.

a. Deliverables:

- **Design Submittals** – 60%, 90%, 100%, and Final Submittal. Each submittal will include submittal checklists, OPCCs, constructability reports, front end document, technical specifications, project summaries, bud forms and construction plans with prior review comment resolutions.
- **Physical Map Revision** – The PMR and prior submittal to FEMA will include updated hydrologic and hydraulic modeling and mapping and the refinement of approximate Zone A floodplain boundaries.

b. Assumptions:

- *City to provide regular guidance and regular feedback through a focus group to help identify community input on identified projects and with the FEMA map updates.*
- *Coordination with governmental agencies – TxDOT, Nueces County, FEMA, etc. – is facilitated through the City's project manager.*

The Project is anticipated to include the following **Additional Services**:

- Task B-1. Environmental Permit Preparation
- Task B-2. Topographic and Boundary Identification Survey
- Task B-3. ROW / Easement Acquisition Survey and Parcel Descriptions
- Task B-4. Public Involvement

B-1. ENVIRONMENTAL PERMIT PREPARATION \$397,822.00

Consultant will provide the following environmental services for the Oso Creek Channel Bottom Rectification project. Prior to beginning Clean Water Act (CWA) permitting, the limits of jurisdiction must be identified, the project footprint must be determined, and proposed impacts to Waters of the United States (WOTUS) calculated. The limits of CWA jurisdiction are determined by a Wetland and Ordinary High Water Mark (OHWM) Delineation and request for Jurisdictional Determination to the United States Army Corps of Engineers.

Additionally, verification of compliance with General Conditions such as a survey for special aquatic sites (oyster reefs, mangroves, seagrasses), threatened and endangered species, and cultural resources is also needed as supporting documentation for the CWA permit. Consultant assumes the project will be designed to be self-mitigating. Consultant would conduct ecological modeling to support zero net loss of function and value of WOTUS.

The data will be summarized and submitted to the TWDB through an Environmental Data Form (EDF) for their review and approval.

Preliminary Phase Services Support

- Opportunities and Constraints Analysis
- Draft EFR (Environmental Section)

Environmental Report Preparation

- Waters of the United States Delineation
- Jurisdictional Determination
- Threatened and Endangered Species Habitat Assessment
- Agency Coordination and Meetings
- Individual Permit for Oso Creek Main Channel

Opportunities and Constraints Analysis - Consultant will obtain Geographic Information Systems (GIS) data layers of natural and cultural resources that may present opportunities or constraints within the proposed project limits. During the analysis of the data, Consultant will identify any potential data gaps, or additional data needs that may be required to develop a report to be included in the EFR (Environmental Section).

Consultant will conduct an overall inventory and review of the proposed project areas to determine the potential magnitude of impacts to existing natural resources, potential environmental concerns, constraints, opportunities, and permitting needs and timelines. Consultant will develop supporting maps with relevant information overlaid. Consultant will conduct a meeting with the City reviewing and explaining the results of the analysis including recommendations for mitigating risks associated with constraints and capitalizing on opportunities.

Engineering Feasibility Report (Environmental Section) - Consultant will utilize the results from

the Opportunities and Constraints Analysis to develop the Environmental Assessment section of the EFR. This document will indicate the location of observed and potential environmental constraints that may affect the project timeline and proposed solutions. Consultant will provide a general Environmental Table describing the major uncertainties and risks associated with the recommended flood mitigation and water quality restoration projects at the targeted locations, including the general approach recommended for mitigation or avoidance.

WOTUS Delineation - Consultant will delineate the boundaries of all aquatic features and determine their potential jurisdictional status through records and literature review, intensive field surveys, and coordination with the USACE and the Environmental Protection Agency (EPA).

All aquatic features will be delineated in accordance with the procedures mandated in the USACE *1987 Wetland Delineation Manual* (Manual) and November 2010 *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain* (Version 2.0). The Ordinary High-Water Mark (OHWM) of all waterbodies will be delineated in accordance with standard procedures set forth by the USACE. The delineation will adhere to industry standards utilized on similar projects in similar areas by qualified wetland scientists. All boundaries shall be surveyed with sub-meter Global Positioning System (GPS) technologies that are consistent with the methodologies generally accepted by the USACE.

Consultant will draft a report discussing the aquatic resources found in the Project Area, including vegetation, hydrology, and soils, along with the results of the field investigation for potential WOTUS. Consultant will submit the draft report to the client. Upon client approval, Consultant will prepare a Jurisdictional Determination request (ADJ or PJD) to the USACE.

Jurisdictional Determination - The USACE/EPA are the final authority on the jurisdictional limits of aquatic features. Consultant will submit the WOTUS Delineation report along with a request for jurisdictional determination to the USACE. Consultant will prepare a Jurisdictional Determination request with the appropriate forms, supporting documentation, and cover letter summarizing the information to help the USACE in their review.

The USACE and/or EPA will verify the boundaries of those areas delineated that may be within their jurisdiction utilizing the draft WOTUS Report. This verification may be conducted from their offices (desk audit) or performed in the field at the proposed Project Area. Based on the size of the proposed project, Consultant assumes that the verification will consist of a field inspection.

Consultant will accompany a USACE representative in the field during the verification process. It is assumed that two days would be required to complete the verification of delineated boundaries and jurisdictional limits. Additional verification meetings can be performed at additional cost through a separate cost proposal.

T&E Species Habitat Assessment - A Memorandum of Agreement (MOA) between United States Fish and Wildlife Service (USFWS), EPA, and National Oceanic and Atmospheric Administration (NOAA) requires an assessment of potential affect to state and federally listed species protected under the Endangered Species Act, Migratory Bird Treaty Act (MBTA), and the Bald and Golden Eagle Protection Act (BGEPA). To comply with federal and state regulations and to support the USACE permitting process, Consultant will conduct a protected species and habitat assessment.

Qualified biologists will perform a pedestrian survey to verify the presence or absence of suitable habitat for state or federally listed T&E, MBTA, and/or BGEPA species on or adjacent to the Project Area. Habitat types and current land use will be documented and photographed. The T&E Species Habitat Assessment Report will identify the presence or absence of suitable habitat for listed species and provide recommendations for best management practices (BMPs), if needed.

Based on the results of the habitat assessment and a review of the proposed project designs, species specific surveys (oysters, freshwater mussels, sea grasses, etc.) may be required by TPWD, USFWS, or the USACE. Should impacts to T&E be anticipated the USACE may require Section 7 Consultation and a Biological Assessment to be prepared. Consultant will prepare recommendations and a scope for these efforts at that time, as needed.

Agency Coordination - Due to USACE ongoing workloads and limited staffing, Clean Water Act permitting may take years to be processed by the USACE. To help expedite this process, Consultant would encourage and facilitate a pre-application meeting with the USACE, and if significant impacts to threatened and endangered species or cultural resources are possible, a Joint Evaluation Meeting may also be advisable/needed. This allows the USACE (and agencies, if needed) to provide valuable input early in the process preventing re-work and costly design iterations. Consultant would coordinate, facilitate, and provide notes and documentation for these meetings. The purpose is to introduce the proposed project and solicit feedback from the regulatory agencies to assist with design, implementation of BMPs, and permitting considerations.

Individual Permit for Oso Creek Main Channel - Due to the length of the proposed project within Oso Creek from Oso Bay to La Volla Creek, it is assumed an Individual Permit would be required. Consultant will meet with the City to discuss the project, including goals, plans, objectives, and design. Consultant will draft an action item list that will need to be reviewed to complete the permitting process prior to this meeting. This list will also outline the permitting process. Based on project details, Consultant will prepare the IP application form. Consultant assumes that the project will be self-mitigating and that no net loss of function or value to WOTUS is anticipated. See Assumptions & Limitations regarding 12-step mitigation plan.

Preparation of Public Notice - The USACE typically creates the Public Notice document to solicit public comments during Section 404/401 permitting. This draft will replicate the current USACE Public Notice format for this type of document and will incorporate all pertinent details related to the proposed project for clear and concise communication to the public as approved by the City. Consultant will expedite the USACE permit approval process by preparing the Public Notice on the agency's behalf, which also helps maintain project description consistency for the public. Consultant will provide the document to the City (first) and then to the USACE for review and comment, and incorporate comments into the draft document, providing the final document to the USACE for release to the public once all approvals are received.

Response to Public Comments - Once the required 30-day public comment period is complete, the USACE will provide all comments to the Consultant. Following receipt of public comments, Consultant will prepare a comment/response matrix to organize the comments. Consultant will then meet with the City to discuss and evaluate the comments and prepare agreed upon responses, as needed. Consultant will utilize the results of this meeting and other project elements to respond to public comments within 30 days of receipt from the USACE. Consultant assumes that two rounds of responses to public comments will be required. Additional requests, provided

they are not considered Consultant errors, can be accomplished at additional cost per the attached Rate Schedule.

Preparation of Statement of Findings - At the permit approval stage, the USACE creates the Statement of Findings, which documents the USACE's decision-making process and action for each permit, and ultimately becomes the administrative record that supports any permit that may be issued for a project. Typically, once the Statement of Findings is complete and reviewed internally by the USACE, the permit would be sent to the Applicant for signature agreeing to the terms and conditions of the permit. The Statement of Findings is a thorough document, which represents many man-hours for the USACE to prepare. Consultant would strongly encourage and offer to draft this document on the agency's behalf using the current USACE Statement of Findings format. Doing so would accelerate the process and, ultimately, the overall permit processing timeframe. Consultant will prepare the draft Statement of Findings and provide the document to the City and the USACE for review and comment. Consultant will incorporate comments into the draft document and provide a final document to the USACE for release to the public.

a. Deliverables - A draft copy of all reports will be provided electronically to the City for review. An Environmental Data Form (EDF) will be submitted to the TWDB for review. Upon incorporating and addressing comments, a final draft will be sent electronically to the City, TWDB and USACE.

b. Assumptions:

- *The project extends approximately 11 to 12 miles.*
- *Consultant assumes the pre-application meeting and JEM will be held virtually.*
- *This scope of work assumes an 18-month environmental process and includes time for two key staff to attend one virtual meeting per month during this timeframe.*

B-2. TOPOGRAPHIC AND BOUNDARY IDENTIFICATION SURVEY \$272,150.00

Consultant will develop a full understanding of the required horizontal and vertical control, project property boundaries including state-owned submerged lands, and current ownership of properties within the project area and adjacent properties. By use of survey equipment and field crews, the Consultant will establish horizontal and vertical project controls based upon industry standard datums to be used for the duration of the project. Coordination with governmental agencies - TxGLO, FEMA and the USACE – is required to set project control that can be utilized for needs for all project disciplines, permits, property definitions and acquisition. Permanent and temporary benchmarks and monumentation will be set to hold the control for the duration of the project.

Consultant will coordinate with the City, or other governmental entity, to obtain the most recent LiDAR data. This data will be used in conjunction with previously obtained physical survey data from Consultant's past Oso Creek projects to develop an existing conditions surface within the project boundaries. Adjustments will be made to rectify data into vertical and horizontal datums consistent with the project control. Consultant will identify gaps in field data and perform on-ground topographic surveys to ground-truth the existing conditions, as needed, and provide added precision for the updated H&H models. A consistent, electronic surface will be developed in AutoCAD Civil3d for project design purposes.

A boundary survey, including research and verification, will be performed within the project limits. Additionally, a desktop review of adjacent properties sufficient to identify ownership and approximate extents will be developed to understand the existing easement, ROWs, exclusions, and other property

boundary elements. This desktop review will be the basis for further investigation of ROW/easement acquisition needs and requirements. A base map, including an LSLs determination of the state-owned submerged lands, full boundary survey of the project area and City owned lands and the desktop survey of adjacent properties will be included in a base map to be provided to the City and used for design purposes.

B-3. ROW/EASEMENT ACQUISITION SURVEY & PARCEL DESC. \$80,710.00

Consultant will take the ROW / Easement acquisition requirements, along with the boundary identification and property survey information to develop legal descriptions, parcel maps and associated exhibits for properties, easements, and ROWs that would be required to be purchased. Further boundary investigations and title research will be completed to assist the City staff with the acquisition of the required lands. Final documentation, including easement documents and exhibits, will be prepared. As previously mentioned, the EFR should identify the properties needed for the prioritized projects. The estimated time and effort for this task is based on assumptions of the required land acquisition and should be considered an allowance, as needed and identified within the EFR.

B-4. PUBLIC INVOLVEMENT \$53,120.00

Consultant will assist in the City's effort for public involvement and associated meetings as required by TWDB, USACE, and FEMA. Additionally, the Consultant will develop a plan to assist the City in disseminating information about the project components and benefits and to address citizen concerns.

B-5. SUBSURFACE UTILITY ENGINEERING (SUE) AND INVESTIGATION NOT INCLUDED

B-6. GEOTECHNICAL INVESTIGATION & RECOMMENDATIONS NOT INCLUDED

SUMMARY

Project Name: Oso Creek Channel Bottom Rectification Project
 Proj. No .: 23020

Consultant: Hanson Professional Services Inc.

Project Summary of Fees			
Basic Services			
I.D.		Task Description	Fee Subtotals
A	1	Project Management and Meetings	\$ 167,057.00
A	1	Preliminary Phase	\$ 576,438.00
A	2	Design Phase	\$ 2,645,080.00
A	3	Bid Phase	\$ -
A	4	Construction Administration Phase (T&M)	\$ -
Basic Services			\$ 3,388,575.00

Additional Services			
B	1	Environmental Permit Preparation (T&M)	\$ 397,822.00
B	2	Topographic and Boundary Identification Survey (T&M)	\$ 272,150.00
B	3	ROW/Easement Acquisition Survey and Parcel Descriptions	\$ 80,710.00
B	4	Public Involvement (Meetings, Exhibits, and Responses) (T&M)	\$ 53,120.00
B	5	Coordination for SUE Investigation (Level A)	Not Included
B	6	Geotechnical Investigation and Recommendations	Not Included
Additional Services			\$ 803,802.00

A	Basic Services Fee Total	\$ 3,388,575.00
B	Additional Services Fee Total	\$ 803,802.00
TOTAL FEE (A + B)		\$ 4,192,377.00

COMPENSATION

Basis of Compensation

Hanson's compensation for the above services is a lump sum in the amount of **\$4,192,377** for the services identified above.

We appreciate the opportunity to work with you on this project.

Sincerely,

Hanson Professional Services, Inc.

A handwritten signature in blue ink, appearing to read "Wilfredo", with a stylized flourish at the end.

Wilfredo Rivera, Jr., PE
Vice President / Project Principal