

STATE OF TEXAS                    §  
   §  
COUNTY OF FORT BEND        §

**FOURTH AMENDMENT TO AGREEMENT FOR  
PROFESSIONAL ENGINEERING SERVICES**

**THIS FOURTH AMENDMENT**, is made and entered into by and between Fort Bend County (hereinafter “County”), a body corporate and politic under the laws of the State of Texas, and IDS Engineering Group, (hereinafter “Contractor”), a company authorized to conduct business in the State of Texas.

WHEREAS, the parties executed and accepted that certain Agreement for Professional Engineering Services on March 26, 2019, (hereinafter “Agreement”) pursuant to SOQ 14-025, as amended by documents executed on February 9, 2021, (hereinafter “Amendment”), December 7, 2021, (hereinafter “Second Amendment”), and February 22, 2022 (hereinafter “Third Amendment”); and

WHEREAS, the parties desire to further amend the Agreement for additional services to be provided and increase the total Maximum Compensation under the Agreement for the completion of such additional services.

**NOW, THEREFORE**, the parties do mutually agree as follows:

1. County shall pay Contractor an additional one hundred eighty-four thousand three hundred fifty dollars and 00/100 (\$184,350.00), for the services as described in Contractor’s proposal dated April 30, 2024, attached hereto as Exhibit “A” and incorporated herein for all purposes.
2. The Maximum Compensation payable to Contractor for Services rendered is hereby increased to an amount not to exceed one million five hundred thirty thousand three hundred ninety-one dollars and 00/100 (\$1,530,391.00), authorized as follows:
  - \$422,500.00 under the Agreement;
  - \$856,412.00 under the Amendment;
  - \$ 55,629.00 under the Second Amendment;
  - \$ 11,500.00 under the Third Amendment; and
  - \$184,350.00 under this Fourth Amendment.
3. In no case shall the amount paid by County for all Services under the Agreement and any subsequently executed amendment exceed the Maximum Compensation without written agreement executed by both parties.

4. BY ACCEPTANCE OF AGREEMENT, CONTRACTOR ACKNOWLEDGES THAT THE COUNTY IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.
5. Except as modified herein, the Agreement shall remain in full force and effect and has not been otherwise modified or amended. If there is a conflict among documents that make up the Agreement, this Fifth Amendment shall prevail with regard to the conflict.

**{Execution Page Follows}**

IN WITNESS WHEREOF, the parties hereto have signed or have caused their respective names to be signed to multiple counterparts to be effective on the date signed by the final party.

**FORT BEND COUNTY**

**IDS ENGINEERING GROUP**

\_\_\_\_\_  
KP George, County Judge

*Carol D. Harrison*  
\_\_\_\_\_  
Authorized Agent – Signature

\_\_\_\_\_  
Date

**Carol Harrison**  
\_\_\_\_\_  
Authorized Agent – Printed Name

ATTEST:

**Director of Public Works**  
\_\_\_\_\_  
Title

\_\_\_\_\_  
Laura Richard, County Clerk

**7/10/2024**  
\_\_\_\_\_  
Date

APPROVED:

*J. Stacy Slawinski*

\_\_\_\_\_  
J. Stacy Slawinski, P.E., County Engineer

**AUDITOR'S CERTIFICATE**

I hereby certify that funds are available in the amount of \$ \_\_\_\_\_ to accomplish and pay the obligation of Fort Bend County under this contract.

\_\_\_\_\_  
Robert Ed Sturdivant, County Auditor

# EXHIBIT A

April 30, 2024

Fort Bend County Engineering  
c/o Mr. Robert T. McBride, PE  
LJA Engineering  
2929 Briarpark Drive, Suite 600  
Houston, Texas 77042

Reference: Proposal to Perform Additional Services for Waterview Estates Detention Analysis, Right-of-Entry Exhibits, Additional Right Turn Lane, Updated Bid Items and Standard Details, Utility Coordination, and Construction Phase Services  
Fort Bend County 2017 Mobility Bond Program  
Harlem Road, Project No. 17402  
IDS Project Number 0570-006-00

Dear Mr. McBride:

IDS Engineering Group respectfully submits this additional services proposal for the above referenced project to include professional engineering services. Additional services include:

- Analysis of the Waterview Estates Detention Pond
- Preparation of Right-of-Entry Exhibits (approximately 16)
- Addition of a Right Turn Lane from southbound Harlem Road into the 10121 W Grand Parkway S. Commercial Center
- Updated Bid Items and Standard Details
- Utility Permit Review and Additional Utility Coordination
- Additional Construction Phase Services

These additional scope of work items were not included in the original scope and have been requested by the Program.

- September 26, 2023 – LJA requested IDS prepare Waterview Estates Detention Pond Analysis as documented in the September Progress Meeting Minutes
- November 28, 2023 – LJA requested IDS prepare Right-of-Entry Exhibits for Driveway Construction needed outside of the Harlem Road Right-of-Way to maintain a 6% maximum driveway slope as documented in the November Progress Meeting Minutes.
- December 07, 2023 – LJA requested via email for IDS to include a Right-Turn Lane from Harlem Road into 10121 W Grand Parkway S. Commercial Center
- Private Utility Permit Review Requests have been made by the Program throughout the project and include approximately 20 individual permits to date.

Specifically, our scope of services for each of the listed items include:

- Waterview Estates Detention Pond
  - Prepare a Hydraulic Memorandum evaluating the impacts of the discharge of increased impervious cover from the roadway improvements on Harlem Road on the Water Surface Elevation in the Waterview Estates Detention Pond.
  - Evaluate the existing water surface elevations of the Waterview Estates basins based upon TP40 100-year storm event.
  - Record drawings and survey will be used to develop outfall conditions and stage-storage table of the basins.
  - Data Collection
    - Obtain data pertinent to the project such as LiDAR topographic data, on ground survey data and record drawings.
    - Field reconnaissance.
  - Develop existing and proposed condition drainage area maps.
  - Develop an existing condition XPSWMM model based upon the previously determined TP40 100-year peak runoff and existing condition hydrograph for Harlem Road. Using the same methodology develops existing TP40 100-year storm event peak flows with Rational Method and using a velocity-based Time of Concentration method for the existing service areas of the Waterview Estates basins. Input each hydrograph to the associated node in the XPSWMM model.
  - Develop the existing stage-storage for the Waterview Estates basins and build as storage nodes within the Existing Condition XPSWMM model.
  - From these inputs on the existing basins and existing hydrographs, develop existing WSELs for the basins.
  - Develop a proposed condition XPSWMM model based upon the previously determined proposed condition TP40 100-year peak runoff and hydrograph for the improved Harlem Road. Input this hydrograph to the associated node in the XPSWMM model.
  - Develop the modified stage-storage relationship for the Waterview Estates basins based upon the planned expansion and build as storage nodes within the Proposed Condition XPSWMM model.
  - From the inputs on these proposed basins and proposed hydrographs, develop proposed WSEL for the basin.
  - Provide a drainage memorandum detailing this analysis and results for review and approval by FBC (including models).
  - Attend coordination meetings with Waterview Estates and Fort Bend County.
- Right-Of-Entry Exhibits: Prepare exhibits to include the following information.
  - One Exhibit for Each Property
  - Aerial Background Exhibit
  - General Existing and Proposed Linework
  - Shaded Area with Dimensions for Proposed Limits of Driveway Outside of Right of Way
- Additional Right Turn Lane to 10121 W Grand Parkway S. Commercial Center
  - Incorporate complete plans and bid quantities for one (1) Right-Turn-Lane from southbound Harlem Road into 10121 W Grand Parkway S. Commercial Center.

- Update impacted plans sheets (Demolition, Utility, P&P, Cross Sections, Signing & Striping, SWPPP, Traffic Control) to reflect revision.
- Coordinate with private utility companies to ensure no conflicts with proposed changes.
- Updated Bid Items and Standard Details
  - Harris County made changes to their specifications in October 2023. IDS documents referenced the previous set of specifications. Fort Bend County refers to the Harris County specifications in their estimates and bid forms. IDS will review the Harris County specifications and make appropriate changes to the bid documents based on the new specifications.
  - IDS will updated the standard details to use the latest version of Fort Bend County details as supplied by the Program Manager.
- Utility Permit Review and Additional Utility Coordination
  - Utility Permit Review – General Review of proposed Utility Permit Layouts versus proposed Harlem Road Improvements for utility permits submitted by private utility companies to Fort Bend County. Includes 20 permit reviews to date and plans for additional permit reviews as they are submitted
  - Additional coordination with private utility owners to obtain approvals and coordinate relocation of private utilities. Due to the extended length of the project and additional utilities which have been installed along the corridor, additional utility coordination has been required.
- Additional Construction Phase Services
  - Through the project design phase, additional services have been authorized utilizing Construction Phase Services funds (CPS). IDS proposes additional funds to restore the CPS budget and plan for the anticipated level of effort which will be required during construction due to the complexity of the project and on-going development along the project limits.

**Compensation:**

IDS proposes to perform the above-described services for the fees itemized below to be invoiced monthly based on the percentage of work completed. A breakdown of the fee is included below.

|   |                      |
|---|----------------------|
| Waterview Estates Detention Pond Analysis       | \$ 35,000.00         |
| Right of Entry Exhibits                         | \$ 16,000.00         |
| Additional Right-Turn-Lane – 10121 W Grand Pkwy | \$ 14,000.00         |
| Updated Bid Items and Standard Details          | \$ 9,200.00          |
| Utility Permit Review & Additional Coordination | \$ 32,000.00         |
| Additional Construction Phase Services          | \$ 78,150.00         |
| <b>Total</b>                                    | <b>\$ 184,350.00</b> |

We appreciate the opportunity to submit this proposal to you and look forward to working with you on this project. Should you have any questions, please do not hesitate to contact us.

Respectfully submitted,



Carol D. Harrison, P.E., PMP, ENV SP  
Director of Public Works



Timothy E. Buscha, P.E., CFM  
President

| <b>MANHOOR ESTIMATE</b>                                    |              |              |                |                |                    |              |              |                        |                      |
|--|--------------|--------------|----------------|----------------|--------------------|--------------|--------------|------------------------|----------------------|
| <b>Harlem Road Improvements - CPS</b>                      |              |              |                |                |                    |              |              |                        |                      |
| <b>IDS Project No. 0570-006-00</b>                         |              |              |                |                |                    |              |              |                        |                      |
|  | <b>PRIN</b>  | <b>SMGR</b>  | <b>DES MGR</b> | <b>SR. ENG</b> | <b>SR<br/>PROD</b> | <b>PROD</b>  | <b>ADMIN</b> | <b>TOTAL<br/>HOURS</b> | <b>COST</b>          |
| <b>Rate</b>  | <b>\$320</b> | <b>\$250</b> | <b>\$200</b>   | <b>\$165</b>   | <b>\$175</b>       | <b>\$130</b> | <b>\$125</b> |                        |                      |
| <b>DESCRIPTION</b>   |              |              |                |                |                    |              |              |                        |                      |
| Attend Pre-Construction Meeting                            |              | 4.0          |                | 4.0            |                    |              |              | 8.0                    | \$ 1,660.00          |
| Prepare/Attend Public Meeting                              |              | 4.0          |                | 4.0            |                    |              |              | 8.0                    | \$ 1,660.00          |
| Attend Monthly Progress Meetings                           |              | 45.0         |                | 90.0           |                    |              |              | 135.0                  | \$ 26,100.00         |
| Submittals as Required (75)                                |              | 40.0         |                | 150.0          |                    |              |              | 190.0                  | \$ 34,750.00         |
| Re-Submittals  |              | 5.0          |                | 20.0           |                    |              |              | 25.0                   | \$ 4,550.00          |
| RFIs   |              | 20.0         |                | 40.0           |                    |              |              | 60.0                   | \$ 11,600.00         |
| Site Visits and Preparation of Site<br>Observation Reports |              | 24.0         |                | 48.0           |                    |              |              | 72.0                   | \$ 13,920.00         |
| Assistance with Change Orders                              |              | 8.0          |                | 16.0           |                    |              |              | 24.0                   | \$ 4,640.00          |
| Substantial Completion/Final                               |              | 8.0          |                | 8.0            |                    |              |              | 16.0                   | \$ 3,320.00          |
| Prepare Record Drawings                                    |              | 8.0          |                | 16.0           | 20.0               | 40.0         |              | 84.0                   | \$ 13,340.00         |
| <b>Sub-Total</b>   |              | <b>166.0</b> |                | <b>396.0</b>   | <b>20.0</b>        | <b>40.0</b>  |              | <b>622.0</b>           | <b>\$ 115,540.00</b> |
| Remaining CPS Budget                                       |              |              |                |                |                    |              |              |                        | \$ (37,390.00)       |
| <b>TOTAL ADDITIONAL CPS</b>                                |              |              |                |                |                    |              |              |                        | <b>\$ 78,150.00</b>  |