

STATE OF TEXAS           §  
  §  
COUNTY OF FORT BEND   §

**AMENDMENT TO AGREEMENT FOR  
PROFESSIONAL ENGINEERING SERVICES**

**THIS 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; and

WHEREAS, the parties desire to 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 eight hundred fifty-six thousand four hundred twelve dollars and no/100 (\$856,412.00), for the services as described in Contractor’s proposal dated December 18, 2020, 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 two hundred seventy-eight thousand nine hundred twelve dollars and no/100 (\$1,278,912.00), authorized as follows:  

\$422,500.00 under the Agreement; and  
\$856,412.00 under this Amendment.
3. In no case shall the amount paid by County for all Services under the Agreement and this Amendment exceed the Maximum Compensation without written agreement executed by both parties.

Except as provided herein, all terms and conditions of the Agreement shall remain unchanged.

FORT BEND COUNTY

IDS ENGINEERING GROUP



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

\_\_\_\_\_  
Authorized Agent – Signature

Travis S. Sellers

\_\_\_\_\_  
Date

\_\_\_\_\_  
Authorized Agent – Printed Name

ATTEST:

Sr. Vice President

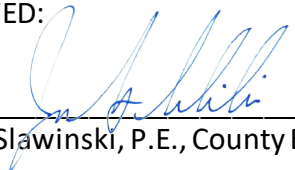
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Title

January 28, 2021

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

\_\_\_\_\_  
Date

APPROVED:



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

APPROVED AS TO LEGAL FORM:

\_\_\_\_\_  
Marcus D. Spencer, First Assistant County Attorney

**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



December 18, 2020

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

Reference: Additional Services Proposal to Perform Professional Engineering and Surveying Services for Fort Bend County 2017 Mobility Bond Program  
Harlem Road, Project No. 17402  
IDS Project Number 0570-006-00

Dear Mr. Barnett:

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

The original project scope included approximately 5700 linear feet of roadway widening along Harlem Road from approximately 300 feet north of Morton Road to approximately 700 feet south of the southern entry to Travis High School. The widening included 1 additional northbound lane and 1 additional southbound lane on Harlem Road. To the north of SH 99, the roadway will be widened to each side of the road. To the south of SH 99, the widening will be to the east as the existing road is not centered in the right-of-way but offset toward Travis High School. The widening under SH 99 will be widened with concrete pavement, and the widening north and south of SH 99 will be widened with asphalt. No additional turn lanes are anticipated at this time. It was planned for the roadway to be a rural section with shoulders and open ditches. No significant storm sewer design was anticipated except for possible lateral extensions or inlets at the SH 99 intersection. No traffic engineering services were included in the original scope.

The new project scope will be as described in the Preliminary Engineering Report dated July 24, 2020. The new project scope includes conversion of the existing asphalt road to a concrete roadway with curb and gutter north and south of State Highway 99 ("SH 99"). The new roadway will be widened to add a lane in each direction and additional turn lanes along Harlem Road. Underneath SH 99 is existing concrete roadway that will be widened to include an additional lane in each direction. Right turn lanes from the SH 99 frontage road onto Harlem Road will also be included as part of this project. Drainage improvements will include the construction of a new curb and gutter storm sewer drainage system to replace the existing roadside ditch system as well as storm water detention provided to offset the increase in impervious area. Additionally, new sidewalk will be installed and traffic signal modifications will be required. The estimated construction cost for the proposed improvements is \$12.4 million.

Specifically, our new scope of services will include:

1. Roadway geometrics
  - a) Full road reconstruction to convert asphalt roadway to concrete roadway, including assessment of roadway profile.
  - b) Include design of SH 99 northbound and SH 99 southbound right turn lanes. Coordinate with Fort Bend County Grand Parkway Toll Road Authority (represented by Brown & Gay Engineers, Inc.) for review and approval of the work on SH 99 Frontage Road. No reviews by TxDOT will be required for this project.
  - c) Coordinate left turn lanes, right turn lanes, and median openings on Harlem Road with existing and proposed development.
  - d) Review construction plans submitted to the County for planned developments for coordination with roadway improvements.
  - e) Coordinate improvements at Morton Road with intersection improvements proposed by Amazon.
  - f) More extensive traffic control plans required for construction of storm sewer and full road reconstruction as opposed to widening of existing roadway. Additional traffic control for work on frontage roads.
2. Sidewalk Design
  - a) Include new sidewalk on the east and west sides of Harlem Road between Morton Road to the north and the southern project limits.
  - b) Submit plans for TDLR review and coordinate with TDLR for post-construction inspection.
3. Drainage Design
  - a) Drainage for Harlem Road north and south of SH 99 will include curb inlets and manholes to tie into a proposed storm sewer trunk line.
  - b) Provide additional storm details to convert from roadside ditch to storm sewer.
4. Storm Water Detention Design
  - a) Provide design for additional storm water detention in the existing Waterview Estates pond. Coordinate with Fort Bend County and Waterview Estates developer for proposed improvements.
  - b) Provide design for additional storm water detention in the existing Travis High School detention pond. Coordinate with Fort Bend County and Travis High School for proposed improvements.
5. Utility Coordination
  - a) Provide additional utility coordination based on extension of project limits and modified project scope.
  - b) Submit new utility requests due to delay in project timeline and installation of new private utilities during this time.
  - c) Obtain Letters of No Objection from Atmos Energy, DOW Pipeline Company, and Houston Energy Transfer.
  - d) Coordinate with adjacent MUDs for relocations of any public facilities in conflict.
  - e) Periodic utility meetings with Program Manager.

6. Project Management

- a) Additional coordination with Survey consultant and coordination with Traffic consultant.
- b) Additional coordination with Program Manager, updates to project schedules, monthly reports, and internal meetings.

7. Surveying Services

- a) One Call and Update Topographic Survey of Public and Private Utilities
- b) Topographic Survey- Existing FBISD School Detention Pond, including as-built survey of top of bank, toe of slope, water surface, pilot channel, and all accessible structures of the existing ponds.
- c) Topographic Survey- Existing Waterview Estates Detention Pond, including as-built survey of top of bank, toe of slope, water surface, pilot channel, and all accessible structures of the existing ponds.

8. Subsurface Utility Engineering (SUE) Level A – Test Hole/Pot Holing to confirm the location and depths of existing pipelines along the project limits. We have assumed 2 test holes per pipeline for 3 pipelines.

9. Traffic Engineering Services

- a) Prepare plans for the modification of existing traffic signal poles and pedestrian poles, including temporary signals at the following intersections:
  - Harlem Road at Harvest Corner – Signal Modifications Required
  - Harlem Road at SH 99 Frontage Road South – Signal Modifications & Replacement Required
  - Harlem Road at SH 99 Frontage Road North – Signal Modifications Required
  - Harlem Road at W Bellfort Boulevard – Signal Modification Required
  - Harlem Road at Morton Road – Signal Modification Required

10. Bid & Construction Phase Services

- a) Provide bid phase services including responding to bidders' questions, attending a pre-bid meeting, preparing necessary addenda, attend a bid opening meeting and making recommendation for the successful bidder.
- b) Provide construction phase services for review of shop drawings, product submittals, and response to RFI's as needed.
- c) Attend up to five (5) site visits to respond to RFI's and review construction progress.

**Project Milestones**

Project Milestone deliverables will include 70%, 95%, and Final Submittals.

All submittals will be made to the Program Manager, LJA Engineering. LJA will route plans to Fort Bend County Engineering for their review and approval. Additionally, LJA will route plans to Fort Bend County Grand Parkway Toll Road Authority (represented by Brown & Gay Engineers, Inc.) for review and approval of the work within SH 99 right-of-way. No reviews by TxDOT will be required for this project.

**Compensation**

IDS proposes to perform the services described above for the fees indicated below.

	<b>Total Amount</b>	<b>Current Authorized Amount</b>	<b>Net Additional Request</b>
<b>Basic Services</b>			
<b><i>Preliminary Engineering Phase</i></b>			
Geotechnical Engineering Services	\$ 36,100.00	\$ 36,100.00	\$ -
IDS Preliminary Design	\$ 102,607.00	\$ 102,607.00	\$ -
Drainage Impact Study	\$ 66,153.00	\$ 66,153.00	\$ -
Topo Survey	\$ 32,153.00	\$ 32,153.00	\$ -
Add: Topo Survey	\$ 8,041.00	\$ 8,041.00	
Abstracting	\$ 7,838.00	\$ 7,838.00	\$ -
M&B for 10-Acre Bono Tract	\$ 2,400.00	\$ 2,400.00	\$ -
<b><i>Final Plans Phase</i></b>			
Preparation of PS&E (Items 1-6)	\$ 818,400.00	\$ 151,698.00	\$ 666,702.00
One Call & Updated Utility Topo (Item 7a)	\$ 8,910.00	\$ -	\$ 8,910.00
Detention Pond Topo (Items 7b, 7c)	\$ 21,780.00	\$ 5,830.00	\$ 15,950.00
Traffic Engineering Services (Item 9)*	\$ 100,000.00	\$ -	\$ 100,000.00
<b>Subtotal Basic Services</b>	<b>\$ 1,204,382.00</b>	<b>\$ 412,820.00</b>	<b>\$ 791,562.00</b>
<b><i>Bid Phase and Construction Phase Services</i></b>	<b>\$ 46,850.00</b>	<b>\$ -</b>	<b>\$ 46,850.00</b>
<b>Additional Services</b>			
SUE Level A (Item 8)**	\$ 18,000.00	\$ -	\$ 18,000.00
ROW Parcel Plans (Assume 4 Parcels at \$1650 per Parcel)	\$ 6,600.00	\$ 6,600.00	\$ -
Flag ROW after Acquisition	\$ 1,650.00	\$ 1,650.00	\$ -
Control Staking	\$ 1,430.00	\$ 1,430.00	\$ -
<b>Subtotal Additional Services</b>	<b>\$ 27,680.00</b>	<b>\$ 9,680.00</b>	<b>\$ 18,000.00</b>
<b>Total Cost Proposal</b>	<b>\$ 1,278,912.00</b>	<b>\$ 422,500.00</b>	<b>\$ 856,412.00</b>

\* Traffic Engineering Consultant has not been identified. Traffic Engineering fee provided by LJA.

\*\* SUE Level A will be performed on an hourly basis. Consultant to be determined.

## Exclusions

1. Geotechnical Investigations associated with an expansion of existing detention ponds.
2. Environmental services, including but not limited to, preliminary wetlands investigations and Phase 1 Environmental Site Assessment.
3. Traffic Impact Study or collection of Traffic Count Data.
4. Utility company signatures on completed drawings.
5. Construction Staking.
6. Materials Testing during Construction.
7. Review of the Contractor's means and methods of construction or safety procedures, which shall remain the sole responsibility of the Contractor.
8. Construction inspection services.
9. Construction management services, including processing of pay applications, change orders, etc.
10. Monthly status meetings and site visits during construction. IDS will only attend meetings and site visits during construction on an as-needed basis.

Basic Services will be performed for the lump sum fee amount shown above, billed monthly based on the percentage of work completed and milestone schedule. Reimbursable expenses for reproduction and deliveries are included in our basic services fee. Our fee does not include reimbursable expenses such as agency review fees, application fees, and permit fees which will be billed at cost.

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  
Senior Project Manager



Travis S. Sellers, P.E., ENV SP  
Senior Vice President