



Invoice # 2106-5  
Invoice Date 12/1/2021

AIG Technical Services, LLC

| Project Details                                 |                                       |
|-------------------------------------------------|---------------------------------------|
| Client Name                                     | Fort Bend County Engineering Services |
| Project Manager                                 | Gabriel Odreman, PE, RPS Consulting   |
| Project Name                                    | Fort Bend Parkway & Beltway 8         |
| Mobility Bond Project No.                       | 20219x pursuant to SOQ 14-025         |
| Purchase Order #                                | 201504                                |
| Work Authorization NTP Date                     | 7/15/2021                             |
| Work Authorization End Date                     | 12/31/2025                            |
| Invoice Details                                 |                                       |
| Begin Service Date                              | 11/1/2021                             |
| End Service Date                                | 11/30/2021                            |
| Payment Type                                    | Lump Sum                              |
| Financial Summary                               |                                       |
| Authorized Amount                               | \$384,765.60                          |
| Previous Invoiced Amount                        | \$125,165.85                          |
| Amount of this Invoice                          | \$39,917.66                           |
| Total Invoiced to Date (including this invoice) | \$165,083.51                          |
| Balance Remaining                               | \$219,682.09                          |

| PS&E TASKS                                | Budget               | Monthly<br>%age of<br>task<br>done | Total<br>%age of<br>task<br>done | Invoice<br>Amount   | Previously<br>Invoiced |
|-------------------------------------------|----------------------|------------------------------------|----------------------------------|---------------------|------------------------|
| <b>AIG TECHNICAL SERVICES, LLC</b>        |                      |                                    |                                  |                     |                        |
| <b>Phase I</b>                            |                      |                                    |                                  |                     |                        |
| TCP, SW3P & TEMP & PERM Retaining walls   | \$ 37,956.00         | 16.0%                              | 25.0%                            | \$ 6,072.96         | \$ 3,416.04            |
| Preliminary Roadway Design 30%            | \$ 18,264.00         | 0.0%                               | 100.0%                           | \$ -                | \$ 18,264.00           |
| Roadway Design (60%,90%,100%)             | \$ 57,355.20         | 10.0%                              | 22.0%                            | \$ 5,735.52         | \$ 6,882.62            |
| Drainage Design (30%,60%,90%,100%)        | \$ 35,200.00         | 10.0%                              | 45.0%                            | \$ 3,520.00         | \$ 12,320.00           |
| Bridge Design (30%,60%,90%,100%)          | \$ 22,500.00         | 10.0%                              | 45.0%                            | \$ 2,250.00         | \$ 7,875.00            |
| Illumination (60%,90%,100%)               | \$ 13,255.20         | 10.0%                              | 10.0%                            | \$ 1,325.52         | \$ -                   |
| Signing & Pavement Marking (60%,90%,100%) | \$ 14,623.20         | 10.0%                              | 15.0%                            | \$ 1,462.32         | \$ 731.16              |
| Utility Coordination (30%,60%,90%,100%)   | \$ 20,282.40         | 10.0%                              | 45.0%                            | \$ 2,028.24         | \$ 7,098.84            |
| Project Estimate (30%,60%,90%,100%)       | \$ 14,040.00         | 10.0%                              | 45.0%                            | \$ 1,404.00         | \$ 4,914.00            |
| Project Management & Administration       | \$ 22,773.60         | 10.0%                              | 50.0%                            | \$ 2,277.36         | \$ 9,109.00            |
| Package Assembly for each submittal (4)   | \$ 25,032.00         | 2.0%                               | 37.0%                            | \$ 500.64           | \$ 8,761.20            |
| <b>Phase II</b>                           |                      |                                    |                                  |                     |                        |
| Construction Services                     | \$ 20,000.00         | 0.0%                               | 0.0%                             | \$ -                | \$ -                   |
| <b>ODE</b>                                | \$ 2,000.00          | 2.5%                               | 42.5%                            | \$ 50.00            | \$ 800.00              |
| <b>Total</b>                              | <b>\$ 303,281.60</b> | <b>8.8%</b>                        | <b>35.2%</b>                     | <b>\$ 26,626.56</b> | <b>\$ 80,171.86</b>    |

| <b>MBCO QA/QC</b> |                     |              |              |                    |             |
|-------------------|---------------------|--------------|--------------|--------------------|-------------|
| 30% review        | \$ 4,080.00         | 90.0%        | 90.0%        | \$ 3,672.00        | \$ -        |
| 60% review        | \$ 4,400.00         | 0.0%         | 0.0%         | \$ -               | \$ -        |
| 90% review        | \$ 4,560.00         | 0.0%         | 0.0%         | \$ -               | \$ -        |
| 100% review       | \$ 5,040.00         | 0.0%         | 0.0%         | \$ -               |             |
| Management        | \$ 1,800.00         | 0.0%         | 0.0%         | \$ -               | \$ -        |
| <b>Total</b>      | <b>\$ 19,880.00</b> | <b>18.5%</b> | <b>18.5%</b> | <b>\$ 3,672.00</b> | <b>\$ -</b> |

| <b>LANDTECH SURVEYING</b>  |                     |              |              |                    |                     |
|----------------------------|---------------------|--------------|--------------|--------------------|---------------------|
| 90% survey @ 30% Submittal | \$ 28,000.00        | 7.3%         | 85.0%        | \$ 2,055.00        | \$ 21,744.80        |
| 100% Survey                | \$ 3,064.00         | 85.0%        | 85.0%        | \$ 2,604.60        | \$ -                |
| <b>Total</b>               | <b>\$ 31,064.00</b> | <b>15.0%</b> | <b>85.0%</b> | <b>\$ 4,659.60</b> | <b>\$ 21,744.80</b> |

| <b>RABA KISTNER GEOTECHNICAL INVESTIGATION</b> |                     |              |              |                    |                     |
|------------------------------------------------|---------------------|--------------|--------------|--------------------|---------------------|
| Geotechnical Drilling                          | \$15,284.00         | 0.0%         | 100.0%       | \$ -               | \$ 15,284.50        |
| Laboratory Testing                             | \$6,776.00          | 55.8%        | 100.0%       | \$ 3,778.00        | \$ 2,998.00         |
| Engineering/Report                             | \$8,480.00          | 13.9%        | 72.5%        | \$ 1,181.50        | \$ 4,966.25         |
| <b>Total</b>                                   | <b>\$ 30,540.00</b> | <b>16.2%</b> | <b>92.4%</b> | <b>\$ 4,959.50</b> | <b>\$ 23,248.75</b> |



December 1, 2021

**Gabriel Odreman, PE, PMP**

Project Manager

RPS | North America

|                                                   |                                                   |
|---------------------------------------------------|---------------------------------------------------|
| Project Name: Fort Bend Parkway & Beltway 8, PS&E | FBC Project Number: 20219x pursuant to SOQ 14-025 |
| Project Manager: <b>Gabriel Odreman, P.E.</b>     | PO Number: 201504                                 |

Dear Mr. Odreman,

Please find attached Invoice No. 5 for the above reference project for the period November 1 to November 30, 2021. Activities completed during this period included:

**Activities this Period:**

1. TCP and Retaining Walls
  - a. Began addressing Preliminary Engineering Report (PER) comments on TCP concept
  - b. Began development of 60% TCP sheets
  - c. Began addressing PER comments on retaining wall limits
  - d. Began development of 60% retaining wall sheets
2. ROADWAY DESIGN
  - a. Began addressing PER comments on ramp design
  - b. Coordinated with client on Hillcroft-BW8 EBFR Intersection design and Traffic Analysis
  - c. Began addressing comments on PER document
3. DRAINAGE DESIGN
  - a. Began addressing PER comments on Drainage design
4. ILLUMINATION AND SIGNING AND PAVEMENT MARKINGS
  - a. Began Illumination layout and sheet production
  - b. Began Pavement Marking layout and sheet production
5. BRIDGE DESIGN
  - a. Began addressing PER comments on Bridge Layout
  - b. Began Bridge details design
6. UTILITY COORDINATION
  - a. Continued data collection and as-build gathering
  - b. Updated Utility Conflict Table post PER
7. PROJECT ESTIMATE
  - a. Continued development of cost estimate based on 30% milestone comments
8. PROJECT MANAGEMENT & ADMINISTRATION
  - a. Coordination and Project Management
    - i. AIG Internal coordination calls / Meetings

- ii. Project Progress Meeting with RPS and FBCTRA (11/09/21)
- iii. Preparation of meeting minutes / action items
- iv. FBC PER Meeting with FBC, RPS, FBCTRA, and City of Houston (COH) (11/09/21)
- v. Subconsultant project coordination
- vi. Invoicing and progress report

9. PACKAGE ASSEMBLY (PER)

- a. Prepared physical copies of 30% Milestone documents for FBC PER Meeting

10. MBCO QA/QC

- a. Performed independent 30% Plan review

11. LANDTECH SURVEYING

- a. Reviewed preliminary Survey 2D and 3D CAD files
- b. Received and reviewed Survey control data
- c. Landtech – AIG Coordination

12. RABA KISTNER GEOTECHNICAL INVESTIGATION

- a. Continued research and Laboratory Testing
- b. Prepared and submitted Draft Engineering Geotechnical Report

**Activities Anticipated Next Period:**

- 1. Progress Meeting with RPS and FBCTRA
- 2. Complete Geotech report
- 3. Complete Field Survey Sheets
- 4. Continue Utility Coordination
- 5. Meet with TxDOT

Please contact me should you have any questions. We appreciate your business.

Respectfully,



Abraham Rebollar, P.E.

Project Manager

**AIG Technical Service, LLC**

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