



**AGUIRRE & FIELDS LP**  
**ENGINEERS AND PLANNERS**

PO 138400  
 Rec 375760  
 9/26/14

*Handwritten initials*

**Invoice**

August 31, 2016

Fort Bend County Engineering Department  
 301 Jackson Street  
 Richmond, TX 77469

Attention: Mr. Richard W. Stolleis, P.E.

Invoice No.: 6154  
 AFLP Project No.: 12607.4  
 Project Name: Greenbusch Road Improvements (Project No. 13312)  
 PO Number 138400  
 Service Dates: August 1, 2016 through August 31, 2016

**Invoice Summary**

| Task Description   | Contract Amount     | Percent Complete | Amount Complete     | Previously Invoiced | Current Amount     |
|--------------------|---------------------|------------------|---------------------|---------------------|--------------------|
| Preliminary Design | \$121,397.00        | 85.93%           | \$104,314.73        | \$66,489.14         | \$37,825.59        |
| Final Design       | \$342,874.00        | 0.00%            | \$0.00              | \$0.00              | \$0.00             |
| Bid & Construction | \$30,000.00         | 0.00%            | \$0.00              | \$0.00              | \$0.00             |
| Survey             | \$119,775.00        | 80.00%           | \$95,820.00         | \$95,820.00         | \$0.00             |
| ROW Maps           | \$50,905.00         | 0.00%            | \$0.00              | \$0.00              | \$0.00             |
| Geotech            | \$19,800.00         | 100.00%          | \$19,800.00         | \$0.00              | \$19,800.00        |
| <b>Total</b>       | <b>\$684,751.00</b> | <b>32.12%</b>    | <b>\$219,934.73</b> | <b>\$162,309.14</b> | <b>\$57,625.59</b> |

**Total Amount Due**

\$57,625.59

*OK, JSS  
 09/22/16*

**Progress Report:**

AFLP developed a draft PER to review with SPI and FBC. Our Drainage Team is redesigning for a 2 YR event following Harris County design criteria (same as City of Houston). Geotech report is completed and confirm 8 inch reinforced concrete pavement. On road design, we are implementing additional left turns including Saddlespur Lane, as requested by SPI & FBC. We are resolving with our survey Team Existing ROW and ROW MAP discrepancies.



**FORT BEND MOBILITY PROGRAM  
PROJECT STATUS REPORT**

**PROJECT:** Greenbusch Road Paving and Drainage Improvements  
From Gaston Rd to Westheimer Pkwy

**CONSULTANT:** AGUIRRE & FIEDLS LP

**PROJECT PHASE:** Preliminary Design

**CONTRACT OR PROJECT NO.** P.O. Number 138400

**DATE:** August 31, 2016

AFLP developed a draft PER to review with SPI and FBC. Drainage study was developed with Fort Bend Drainage District using a 10 YR design criteria. Our Drainage Team is redesigning for a 2 YR event following Harris County design criteria (same as City of Houston). Geotech report is completed and confirm 8 inch reinforced concrete pavement. On road design, we are implementing additional left turns including Saddlespur Lane, as requested by SPI & FBC. We are resolving with our survey Team Existing ROW and ROW MAP discrepancies.

**ACTIVITIES ACHIEVED:**

- 08/03/16      Review Geotech report
- 08/09/16      Adjust horizontal and vertical alignments
- 08/10/16      Plan and Profile preparation
- 08/11/16      Cross section adjustment and earthwork computation
- 08/12/16      Adjust existing and proposed cross sections
- 08/22/16      Cost estimate reviewed
- 08/24/16      PER Review at FBC office
- 08/29/16      Review ROW map and layout to adjust discrepancies
- 08/31/16      Review drainage conditions with design team to implement 2 YR design



SCHAUMBURG & POLK, INC.

**PLANNED ACTIVITIES FOR NEXT PERIOD:**

- Review plan and profile to minimize drainage impact
- Obtain Sign and sea ROW MAP with identification of required ROW
- Preliminary roadway layout and bridge limits of embankment
- Submit Preliminary Engineer Report.
- Review design schedule.

**OUTSTANDING ITEMS, NEEDS OR CONCERNS:**

- Horizontal and Vertical Roadway design optimization.
- Drainage analysis for 2 YR design and 100 YR criteria review
- Preliminary Bridge design with embankments instead retaining walls
- ROW MAP to identify ROW requirements

**SCHEDULE UPDATE:**

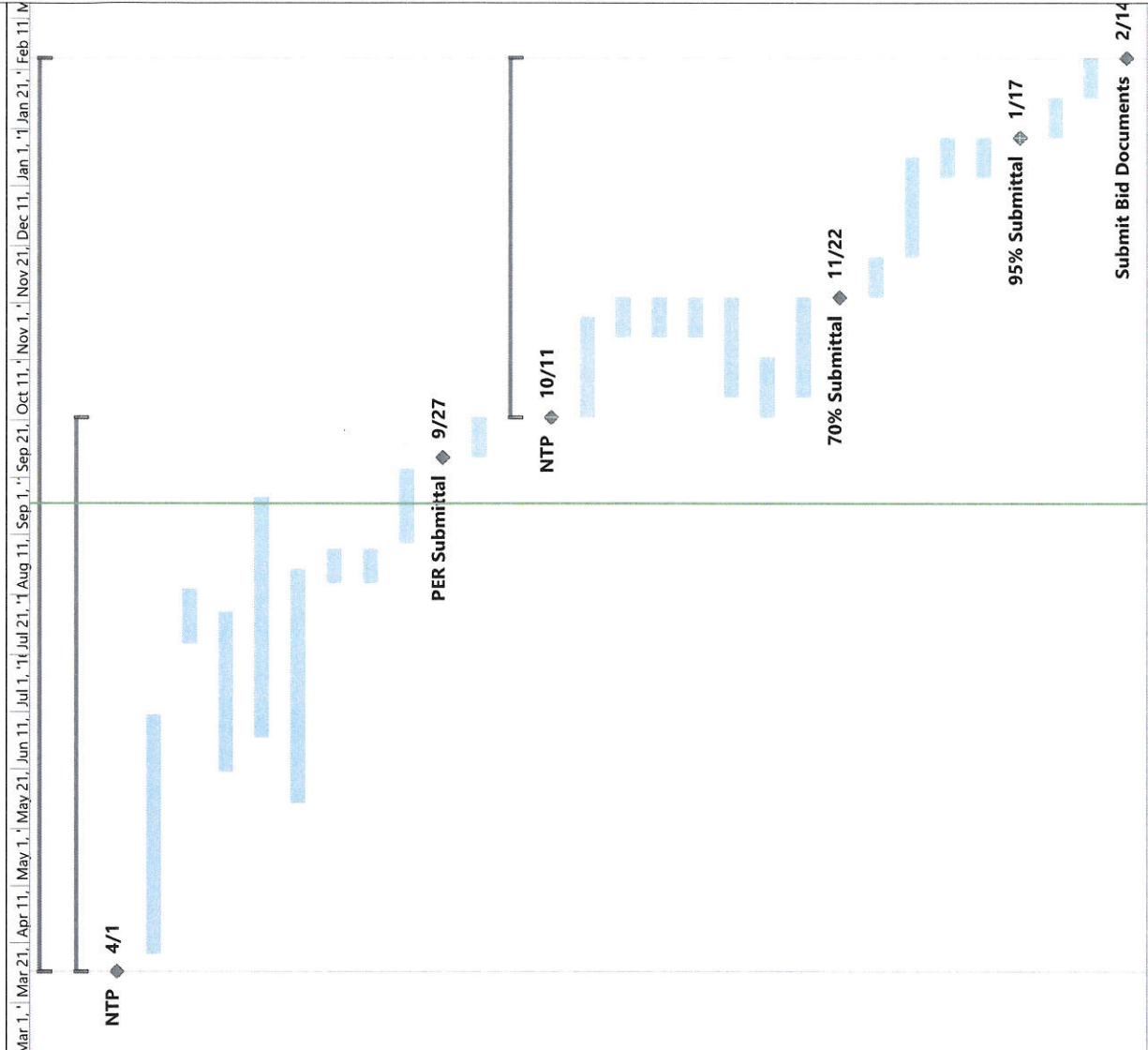




# Project Name: Greenbusch Road Paving & Drainage Improvements "EXHIBIT D" - PROJECT SCHEDULE

Project Limits: Gaston to Westheimer Parkway  
Mon 9/12/16

| ID | Task Name                   | Duration | Start        | Finish       |
|----|-----------------------------|----------|--------------|--------------|
| 1  | Greenbusch                  | 228 days | Fri 4/1/16   | Tue 2/14/17  |
| 2  | Preliminary Design          | 138 days | Fri 4/1/16   | Tue 10/11/16 |
| 3  | NTP                         | 0 days   | Fri 4/1/16   | Fri 4/1/16   |
| 4  | Topographic Survey          | 60 days  | Thu 4/7/16   | Wed 6/29/16  |
| 5  | Survey Control Map - Draft  | 15 days  | Mon 7/25/16  | Fri 8/12/16  |
| 6  | Geotechnical Report - Draft | 40 days  | Fri 6/10/16  | Thu 8/4/16   |
| 7  | Drainage Report - Draft     | 60 days  | Wed 6/22/16  | Tue 9/13/16  |
| 8  | 30% Plans (P&Ps/Typ Sec)    | 12 wks   | Mon 5/30/16  | Fri 8/19/16  |
| 9  | Utility Conflict Table      | 10 days  | Mon 8/15/16  | Fri 8/26/16  |
| 10 | Cost Estimate               | 10 days  | Mon 8/15/16  | Fri 8/26/16  |
| 11 | Report                      | 20 days  | Mon 8/29/16  | Fri 9/23/16  |
| 12 | PER Submittal               | 0 days   | Tue 9/27/16  | Tue 9/27/16  |
| 13 | FBC Review                  | 2 wks    | Wed 9/28/16  | Tue 10/11/16 |
| 14 | Final Design                | 90 days  | Tue 10/11/16 | Tue 2/14/17  |
| 15 | NTP                         | 0 days   | Tue 10/11/16 | Tue 10/11/16 |
| 16 | 70% Plans                   | 25 days  | Wed 10/12/16 | Tue 11/15/16 |
| 17 | 70% Specs                   | 10 days  | Wed 11/9/16  | Tue 11/22/16 |
| 18 | 70% Cost Estimate           | 10 days  | Wed 11/9/16  | Tue 11/22/16 |
| 19 | Survey Control Map - Final  | 2 wks    | Wed 11/9/16  | Tue 11/22/16 |
| 20 | ROW Maps                    | 5 wks    | Wed 10/19/16 | Tue 11/22/16 |
| 21 | Geotechnical Report - Final | 3 wks    | Wed 10/12/16 | Tue 11/1/16  |
| 22 | Drainage Report - Final     | 5 wks    | Wed 10/19/16 | Tue 11/22/16 |
| 23 | 70% Submittal               | 0 days   | Tue 11/22/16 | Tue 11/22/16 |
| 24 | FBC Review                  | 2 wks    | Wed 11/23/16 | Tue 12/6/16  |
| 25 | 95% Plans                   | 25 days  | Wed 12/7/16  | Tue 1/10/17  |
| 26 | 95% Specs                   | 10 days  | Wed 1/4/17   | Tue 1/17/17  |
| 27 | 95% Cost Estimate           | 10 days  | Wed 1/4/17   | Tue 1/17/17  |
| 28 | 95% Submittal               | 0 days   | Tue 1/17/17  | Tue 1/17/17  |
| 29 | FBC Review                  | 2 wks    | Wed 1/18/17  | Tue 1/31/17  |
| 30 | Address Comments            | 2 wks    | Wed 2/1/17   | Tue 2/14/17  |
| 31 | Submit Bid Documents        | 0 days   | Tue 2/14/17  | Tue 2/14/17  |



## Peterson, Jillian

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**From:** Elise Dillow <edillow@spi-eng.com>  
**Sent:** Monday, September 19, 2016 9:19 AM  
**To:** Peterson, Jillian  
**Subject:** Greenbusch Invoice  
**Attachments:** Invoice 6154 12607 4 2016-08-31 FBC.pdf

Jillian,

Attached is Aguirre & Fields' invoice for Greenbusch Road. I have looked the invoice over and everything looks good. Please let me know if you have any questions.

Thank you,

Elise Dillow, EIT  
Schaumburg & Polk, Inc.  
(281) 920-0487 office