

TFC Contract No. 18-100-000
Holt Engineering, Inc.
Assignment No. 3
Project No. 16-011-5550

**INDEFINITE DELIVERY INDEFINITE QUANTITY
PROFESSIONAL SERVICES AGREEMENT
BETWEEN
THE TEXAS FACILITIES COMMISSION
AND
HOLT ENGINEERING, INC.**

TFC CONTRACT NO. 18-100-000

ASSIGNMENT NO. 3

THIS INDEFINITE DELIVERY INDEFINITE QUANTITY ASSIGNMENT NO. 3 (hereinafter referred to as “Assignment No. 3” or “Assignment”) is entered into by and between the Texas Facilities Commission, located at 1711 San Jacinto Boulevard, Austin, Texas 78701 (hereinafter referred to as “TFC”) and Holt Engineering, Inc., located at 2220 Barton Skyway, Austin, Texas 7804 (hereinafter referred to as “PSP”) (TFC and PSP are hereinafter referred to individually as a “Party” or collectively as “Parties”), to be effective on the Effective Date (as defined below) and the terms and conditions of which are as follows.

DESCRIPTION OF PROJECT: The project for which PSP agrees to provide Professional Services is generally described as providing construction material testing on the Disaster Recovery Operations (“DROC”) chillers and pump house foundation pad and on the Dr. Bob Glaze Laboratory (“DBGL”) Acid Waste Neutralization (“AWN”) containers foundation pad and subgrade. Services shall include but are not limited to: (i) tests to include subgrade compaction; and (ii) concrete strength tests (hereinafter referred to as the “Project”), as further depicted in “Exhibit A-3,” PSP’s IDIQ Assignment No. 3 Proposal’s dated August 24, 2019 and August 25, 2019, attached hereto and incorporated herein for all purposes and consisting of thirteen (13) pages.

DURATION OF ASSIGNMENT: The scope of services of this Assignment No. 3 shall be completed no later than December 31, 2019, unless terminated earlier as provided in Section 3.2 of the Agreement. The schedule is subject to adjustments for possible time extension; however, any extension of time must be approved by the TFC and shall require an amendment to Assignment No. 3.

SPECIAL TERMS AND CONDITIONS OF ASSIGNMENT: Terms and conditions shall be in accordance with the Agreement, any Special Conditions, and with this Assignment No. 3.

SUB-CONTRACTORS TO BE UTILIZED FOR PROJECT: PSP shall perform the services under this Assignment No. 3 with its own forces unless otherwise specified. If the scope of services is less than \$100,000.00, a HUB Subcontracting Plan (HSP) is not required. If the scope of services will exceed \$100,000.00, PSP shall submit an HSP for approval pursuant to Section 11.2 of the Agreement.

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Holt Engineering, Inc.
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FEE FOR BASIC SERVICES: Fee for the services set forth in this Assignment No. 3 shall not exceed the sum of Ten Thousand Eighty-Five and 76/100 Dollars (\$10,085.76). No more frequently than once per month, PSP shall submit a Pay Application to TFC for services performed and reasonable and necessary costs and expenses incurred through the last day of the previous month. Any reimbursable expenses, if allowed, shall be in accordance with Section 4.6 of the Agreement.

IDENTIFICATION OF PSP PROJECT MANAGER AND ALL SUBCONTRACTOR: For this Assignment No. 3, PSP shall identify the Project Manager, PSP's employees and all subcontractors assigned to this project on the List of Project Manager and Subcontractors (hereinafter referred to as the "List"), attached hereto and incorporated herein for all purposes as "Exhibit B-3."

TFC reserves the right to approve the appointment of the PSP Project Manager and to demand that the Project Manager, and any of PSP's employees or subcontractors, be removed and replaced if, in the sole opinion of TFC, their performance on this project or any other projects, is and/or was inadequate or their continued involvement with the Project is, will, or has become detrimental to the timely and successful completion of the project.

The Project Manager and Subcontractors identified in the List shall not be replaced by PSP, nor shall any other subcontractors be engaged by PSP, unless prior written consent is obtained from TFC, which consent shall not be unreasonably withheld, conditioned, or delayed.

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ENTIRE AGREEMENT AND MODIFICATION: The Agreement and this Assignment and their integrated attachment(s) constitute the entire agreement of the Parties and such are intended as a complete and exclusive statement of the promises, representations, negotiations, discussions, and other agreements that may have been made in connection with the subject matter hereof. Unless an integrated attachment to this Assignment specifically displays a mutual intent to amend a particular part of this Assignment, general conflicts in language between any such attachment and this Assignment shall be construed consistently with the terms of this Assignment. Unless otherwise expressly authorized by the terms of this Assignment, no modification, renewal, extension, or amendment to this Assignment shall be binding upon the Parties unless the same is in writing and signed by the respective Parties hereto.

This Assignment shall be effective as of the date of the last Party to sign.

TEXAS FACILITIES COMMISSION

HOLT ENGINEERING, INC.

By: DocuSigned by:
Mike Novak
B1C9FC0A8020417...

By: DocuSigned by:
Linda D. Holt
312C753A721B479...

Mike Novak

Linda Holt

Executive Director

President

Date of execution: 06/25/2019 | 6:31 AM CDT

Date of execution: 06/24/2019 | 8:57 AM CDT

ML GC

mw Dir

jh DED

TFC Contract No. 18-100-000
Holt Engineering, Inc.
Assignment No. 3
Project No. 16-011-5550

EXHIBIT A-3

PSP'S IDIQ ASSIGNMENT NO. 3 PROPOSAL'S DATED AUGUST 24 & 25, 2019.

GEOTECHNICAL ENGINEERING
DRILLING & SAMPLING
FOUNDATION DESIGN

HOLT
ENGINEERING, INC.

CONSTRUCTION OBSERVATION
LABORATORY TESTING
MATERIALS TESTING

25 April 2019

Texas Facilities Commission
1711 San Jacinto Blvd.
Austin, Texas 78701

Attn: Mr. Kevin Sandberg

Re: Cost Estimate for Materials Testing and Observation
TFC 16 – 17 DM HHSC Bldg. Project (DBGL).
4900 Lamar Blvd.
Austin, Texas 78751

Dear Mr. Sandberg

Thank you for the opportunity to provide a cost estimate for the Materials Testing and Observation at the above referenced project. This estimate is based on project plans and our firm's unit fee schedule. The scope of our services includes the items checked below. Items not checked are excluded from the scope.

Scope of Services

- Laboratory Testing – Includes proctors, sieves, Atterberg limits, lime/pH series curves and permeabilities as per specified or requested. Samples of subgrade and each type of backfill material will be picked up on-site or from designated borrow sites and transported to the lab for testing. Please allow a minimum of 7 working days for test results.
- Moisture/Density Field Testing – Includes moisture/density testing on subgrade, select fill, roadway base, and utility trench backfill. Tests will be made on each lift of fill prior to placement of any subsequent lifts. The technician will verify that appropriate proctor is being used and that material used as fill (including select fill or roadway base) meets any written requirements in the plans and specifications. For lime stabilized subgrades, field sieves are performed to ensure gradation requirements are met.
- Visual Observation of Proof Rolling – Includes continuous observation of proof rolling, verification of removal of soft or unstable material and verification that equipment used is per plans and specifications.
- Pier Observation – Includes full-time monitoring during pier hole drilling to verify bearing strata, depth of penetration, pier depth, pier shaft diameter, bell size (if applicable), verification of rebar size and number of bars, cleanliness and plumbness of hole, groundwater observations, time of concrete placement and making concrete test cylinders. Pier layout and elevations should be verified by an independent surveyor.
- Voided Beam Observations – Includes verification of correct minimum thickness of voids below the perimeter beams and measurements of carton forms.
- Pre-Pour Inspections and Concrete Testing – Includes a pre-pour verification of beam and footing excavations for cleanliness and reinforcement clearances, sizes, spacing, grade of steel and observation of concrete during placement including slump tests, air content, temperature and making test cylinders. Test cylinders will be made at each 50 cubic yards or fraction thereof on each day's pour or as specified in the plans. Test cylinders will be picked up and transported to the testing laboratory the following day after

TFC Contract No. 18-100-000
Mr. Kevin Sandberg
TFC 16 – 17 DM HHSC Bldg. Project (DBGL)

Exhibit A-3

Assignment No. 3
25 April 2019

concrete is placed and cylinders broke at 7 days and 28 days or as specified in the plans. Unless job control is specified, concrete that is delivered to the job and is out of specifications will not be accepted or rejected by the engineering technician. The Contractor will be notified of deficiencies immediately and it will be his/her responsibility to accept or reject. If job control is specified, then the technician will take responsibility of accepting or rejecting the delivered concrete which includes controlling the amount of water added to the concrete truck.

- Structural Steel Inspection – Includes on-site inspection by an AWS Certified Welding Inspector of structural elements, welding, high strength bolt testing, framing connections and certification of welders. Does not include plant or fabrication inspections.
- Observation of Roof Decking – Includes verifying nail patterns and proper plywood used as per plans and specifications.
- Clay Liner Observation and Testing – Includes laboratory testing of clay liner material suitability (proctors, P.I.'s, sieves, permeabilities) prior to placement, monitoring during placement of lift thicknesses, field density testing and full-time observation during construction as directed by the project plans and specifications.
- Geosynthetic Observation and Testing – Includes subgrade observation, panel deployment, seaming observation, non-destructive testing as per the project specifications. Full-time observation may be required.
- Observation of Fire Proofing – Includes thickness measurements, density and adhesion and cohesion testing.
- Observation of Wood Trusses – Includes verifying trusses are per plans, hardware, checking repairs to damaged trusses match engineers repair specifications and checking cross bracing.
- Asphalt Testing – Includes obtaining grab samples from the batch during each day's placement or as specified in the plans. Bag samples will be transported to an outside accredited lab for testing extraction, gradation, specific gravity and HVEEM stability. Our firm will cut cores within the following week and verify thickness and bulk specific gravity.
- Masonry – Verifying on-site mix proportions and making and testing compressive strength of 2 x 2 mortar cubes and 3x6 grout prisms as per plans and specifications.
- Through Penetration Firestopping.

TFC Contract No. 18-100-000

Exhibit A-3

Assignment No. 3

Mr. Kevin Sandberg
TFC 16 – 17 DM HHSC Bldg. Project (DBGL)

25 April 2019

Written reports will be provided that will include work performed, date, time and location of all tests and other pertinent information. Any test failures will be reported to the Contractor/Owner within 24 hours. All testing reports will be reviewed and signed by a qualified project manager.

Attached is an itemized cost estimate for the materials testing services listed above. We anticipate final costs to range from approximately \$3,680.00 to \$4,070.00; however, the final cost may be lower or higher depending on the Contractor's work schedules, the number of trips to the site, and quantity of tests requested. Overtime (weekends, holidays, before 6 am, after 6 pm and greater than 8 hours per day) will be charged at 1.5 times the hourly rate.

It should be noted our testing and observations are conducted on a periodic basis on an "as call as needed" basis. With the exception of monitoring pier hole drilling on a continuous basis, a technician will not be on the jobsite full time. Our testing and observation services will be dependent on the Contractor and/or Owner scheduling the work. We can fulfill the COA Special Inspection check-list, but we will need to be contacted as the various items in the check-list are being constructed. All on-site testing services must be scheduled via telephone with the office dispatch or through Randy Beaver or another designated on-call employee. In-office dispatch is available Monday through Friday 7:00 AM - 5:00 PM at 512-447-8166. Onsite scheduling, cancellations, changes or other needs made via text message, voice mail, email, fax or other methods may not be honored.

If you should have any questions regarding this cost estimate, please do not hesitate to call.

Sincerely, 

Mel Collard
CMT Estimator

Client Information and Acceptance: *(To be completed by authorized representative and responsible billing party)*

The undersigned agrees to the above scope of work, conditions and is responsible for payment.

Signature: _____ Date: _____

Printed Name: _____ Title: _____

Company Name: _____ Phone: _____

Email Address: _____ Alt. Phone/Fax: _____

Mailing Address: _____ City/State/Zip: _____

Billing Address: _____ City/State/Zip: _____

Acceptance of proposal is by execution of Assignment No. 3 to TFC Contract 18-100-000.

*We appreciate the opportunity to submit this proposal and look forward to working with you on this project.
Please call us if we can be of any additional assistance.*

Enclosures: Cost Estimate / Unit Fee Schedule / Project Contact List

TFC Contract No. 18-100-000
Mr. Kevin Sandberg
TFC 16 – 17 DM HHSC Bldg. Project (DBGL)

Exhibit A-3

Assignment No. 3
25 April 2019

THE ATTACHED COST ESTIMATE IS BASED ON THE FOLLOWING CONDITIONS:

1. The attached cost estimate will change based on changes or alterations to the scope of services. Additional costs may be incurred for testing that fails or does not meet specifications and must be re-tested, consultation with the Architect, Structural Engineer, and/or Contractor, Client or other representative, or for other changes or alterations to the scope of services that were not disclosed or presented at the time of this cost estimate being issued.
2. Items and costs provided in the cost estimate may be moved between the various work elements to accommodate the overall project budget.
3. ~~Payment is due within 30 days Net from date of invoice. It is the Client's responsibility to report billing errors immediately upon receipt. Holt Engineering, Inc. is not responsible for billing errors not reported within 30 days of billing.~~
4. Scheduling, canceling and dispatch for on-site testing is only accepted/processed via phone with a company employee. Our office phone lines are staffed from 7:00 AM to 5:00 PM at 512-447-8166 Monday through Friday with exception for some Holidays. In the event scheduling must be done outside of these hours, our Laboratory Supervisor, Randy Beaver, is available at 512-848-3647. Scheduling requests, changes, or cancelations will not be accepted via text message, voice mail, email, standard mail, fax or other means.
5. A minimum of 3 hours will be charged per technician visit to site. Cancellations not made within 4 hours of a scheduled test will be billed 3 hours of technician time and trip/mileage charge.
6. Client understands that testing and observation is not continuous or exhaustive. Our testing and observation services are meant to aid in reducing, not eliminating, project risk. Holt is not responsible for the Contractor's means and methods, quality and completeness of work or adherence to the project documents.
7. If lot fill compaction testing is requested, a separate Lot Fill Agreement for Testing Lot Fills will be required. We have attached this document for your authorization.

Payment shall be in accordance with Section 4.5 of the Agreement.

 HOLT

 TFC

HOLT ENGINEERING, INC

TFC Contract No. 16-100-000

Exhibit A-3

2220 BARTON SKYWAY - AUSTIN, TEXAS 78704

Assignment No. 38704

512-447-8166 PHONE / 512-447-0852 FAX

COST ESTIMATE

Date: April 25, 2019

Client: Texas Facilities Commission

Project: TFC 16 - 17 DM HHSC Bldg. Project(DBGL)
4900 Lamar Blvd.
Austin, Texas 787511711 San Jacinto Blvd.
Austin, Texas 78701

Contact: Mr. Kevin Sandberg

Cost Estimate for Materials Testing, Inspection, and Observation Services

	Quantity	Cost per Each	Total Cost:
Laboratory Testing of Soils:			
Moisture Density Relationship (Proctor)	2	\$235.00	\$470.00
Atterberg Limits	2	\$90.00	\$180.00
Sieve Analysis (Dry Gradation)	2	\$100.00	\$200.00
Minus 200	2	\$55.00	\$110.00
Technician Rate - Per Hour (3hr. Minimum*)	6	\$75.00	\$450.00
Miles	30	\$0.75	\$22.50
<i>Subtotal: Laboratory Testing</i>			\$1,432.50
Field Density Testing:			
Technician Rate - Per Hour (3hr. Minimum*)	9	\$75.00	\$675.00
Density Tests w/Nuclear Guage	9	\$24.00	\$216.00
Miles	45	\$0.75	\$33.75
<i>Subtotal: Moisture Density Testing</i>			\$924.75
Reinforcing Steel Inspection:			
Technician Rate - Per Hour (3hr. Minimum*)	4	\$75.00	\$300.00
Miles	15	\$0.75	\$11.25
<i>Subtotal: Reinforcing Steel Inspection</i>			\$311.25
Concrete Testing:			
Technician Rate - Per Hour (3hr. Minimum*)	9	\$75.00	\$675.00
Miles	30	\$0.75	\$22.50
Compression Test Cylinders (4 x 8)	10	\$27.00	\$270.00
			\$967.50
Engineer:			
Engineer - Regular Hours	1	\$165.00	\$165.00
<i>Subtotal: Engineer</i>			\$165.00
Administration Costs:			
Administration Fee - 2% of Monthly Invoice	\$3,801.00	2.00%	\$76.02

HOLT ENGINEERING, INC

TPG Contract No. 18-400-000

Exhibit A-3

2220 BARTON SKYWAY - AUSTIN, TEXAS 78704

Assignment No. 28704

512-447-8166 PHONE / 512-447-0852 FAX

Subtotal: Administrative Fees

\$76.02

Total Estimate Amount for Services Indicated:

\$3,877.02

GEOTECHNICAL ENGINEERING
DRILLING & SAMPLING
FOUNDATION DESIGN

HOLT
ENGINEERING, INC.

CONSTRUCTION OBSERVATION
LABORATORY TESTING
MATERIALS TESTING

24 April 2019

Texas Facilities Commission
1711 San Jacinto Blvd.
Austin, Texas 78701

Attn: Mr. Kevin Sandberg

Re: Cost Estimate for Materials Testing and Observation
(DROC) TFC 16 – 17 DM HHSC Bldg. Project.
1001 West North Loop
Austin, Texas 78756

Dear Mr. Sandberg

Thank you for the opportunity to provide a cost estimate for the Materials Testing and Observation at the above referenced project. This estimate is based on project plans and our firm's unit fee schedule. The scope of our services includes the items checked below. Items not checked are excluded from the scope.

Scope of Services

- Laboratory Testing – Includes proctors, sieves, Atterberg limits, lime/pH series curves and permeabilities as per specified or requested. Samples of subgrade and each type of backfill material will be picked up on-site or from designated borrow sites and transported to the lab for testing. Please allow a minimum of 7 working days for test results.
- Moisture/Density Field Testing – Includes moisture/density testing on subgrade, select fill, roadway base, and utility trench backfill. Tests will be made on each lift of fill prior to placement of any subsequent lifts. The technician will verify that appropriate proctor is being used and that material used as fill (including select fill or roadway base) meets any written requirements in the plans and specifications. For lime stabilized subgrades, field sieves are performed to ensure gradation requirements are met.
- Visual Observation of Proof Rolling – Includes continuous observation of proof rolling, verification of removal of soft or unstable material and verification that equipment used is per plans and specifications.
- Pier Observation – Includes full-time monitoring during pier hole drilling to verify bearing strata, depth of penetration, pier depth, pier shaft diameter, bell size (if applicable), verification of rebar size and number of bars, cleanliness and plumbness of hole, groundwater observations, time of concrete placement and making concrete test cylinders. Pier layout and elevations should be verified by an independent surveyor.
- Voided Beam Observations – Includes verification of correct minimum thickness of voids below the perimeter beams and measurements of carton forms.
- Pre-Pour Inspections and Concrete Testing – Includes a pre-pour verification of beam and footing excavations for cleanliness and reinforcement clearances, sizes, spacing, grade of steel and observation of concrete during placement including slump tests, air content, temperature and making test cylinders. Test cylinders will be made at each 50 cubic yards or fraction thereof on each day's pour or as specified in the plans. Test cylinders will be picked up and transported to the testing laboratory the following day after

Mr. Kevin Sandberg
(DROC) TFC 16 – 17 DM HHSC Bldg. Project

24 April 2019

concrete is placed and cylinders broke at 7 days and 28 days or as specified in the plans. Unless job control is specified, concrete that is delivered to the job and is out of specifications will not be accepted or rejected by the engineering technician. The Contractor will be notified of deficiencies immediately and it will be his/her responsibility to accept or reject. If job control is specified, then the technician will take responsibility of accepting or rejecting the delivered concrete which includes controlling the amount of water added to the concrete truck.

- Structural Steel Inspection – Includes on-site inspection by an AWS Certified Welding Inspector of structural elements, welding, high strength bolt testing, framing connections and certification of welders. Does not include plant or fabrication inspections.
- Observation of Roof Decking – Includes verifying nail patterns and proper plywood used as per plans and specifications.
- Clay Liner Observation and Testing – Includes laboratory testing of clay liner material suitability (proctors, P.I.'s, sieves, permeabilities) prior to placement, monitoring during placement of lift thicknesses, field density testing and full-time observation during construction as directed by the project plans and specifications.
- Geosynthetic Observation and Testing – Includes subgrade observation, panel deployment, seaming observation, non-destructive testing as per the project specifications. Full-time observation may be required.
- Observation of Fire Proofing – Includes thickness measurements, density and adhesion and cohesion testing.
- Observation of Wood Trusses – Includes verifying trusses are per plans, hardware, checking repairs to damaged trusses match engineers repair specifications and checking cross bracing.
- Asphalt Testing – Includes obtaining grab samples from the batch during each day's placement or as specified in the plans. Bag samples will be transported to an outside accredited lab for testing extraction, gradation, specific gravity and HVEEM stability. Our firm will cut cores within the following week and verify thickness and bulk specific gravity.
- Masonry – Verifying on-site mix proportions and making and testing compressive strength of 2 x 2 mortar cubes and 3x6 grout prisms as per plans and specifications.
- Through Penetration Firestopping.

Mr. Kevin Sandberg
(DROC) TFC 16 – 17 DM HHSC Bldg. Project

24 April 2019

Written reports will be provided that will include work performed, date, time and location of all tests and other pertinent information. Any test failures will be reported to the Contractor/Owner within 24 hours. All testing reports will be reviewed and signed by a qualified project manager.

Attached is an itemized cost estimate for the materials testing services listed above. We anticipate final costs to range from approximately \$5,900.00 to \$6,520.00:: however, the final cost may be lower or higher depending on the Contractor’s work schedules, the number of trips to the site, and quantity of tests requested. Overtime (weekends, holidays, before 6 am, after 6 pm and greater than 8 hours per day) will be charged at 1.5 times the hourly rate.

It should be noted our testing and observations are conducted on a periodic basis on an “as call as needed” basis. With the exception of monitoring pier hole drilling on a continuous basis, a technician will not be on the jobsite full time. Our testing and observation services will be dependent on the Contractor and/or Owner scheduling the work. We can fulfill the COA Special Inspection check-list, but we will need to be contacted as the various items in the check-list are being constructed. All on-site testing services must be scheduled via telephone with the office dispatch or through Randy Beaver or another designated on-call employee. In-office dispatch is available Monday through Friday 7:00 AM - 5:00 PM at 512-447-8166. Onsite scheduling, cancellations, changes or other needs made via text message, voice mail, email, fax or other methods may not be honored.

If you should have any questions regarding this cost estimate, please do not hesitate to call.

Sincerely,



Mel Collard
CMT Estimator

Client Information and Acceptance: *(To be completed by authorized representative and responsible billing party)*

The undersigned agrees to the above scope of work, conditions and is responsible for payment.

Signature: _____ Date: _____

Printed Name: _____ Title: _____

Company Name: _____ Phone: _____

Email Address: _____ Alt. Phone/Fax: _____

Mailing Address: **18-100-000.** _____ City/State/Zip: _____

Billing Address: _____ City/State/Zip: _____

Acceptance of proposal is by execution of Assignment No. 3 to TFC Contract

*We appreciate the opportunity to submit this proposal and look forward to working with you on this project.
Please call us if we can be of any additional assistance.*

Enclosures: Cost Estimate / Unit Fee Schedule / Project Contact List

Mr. Kevin Sandberg
(DROC) TFC 16 – 17 DM HHSC Bldg. Project

24 April 2019

THE ATTACHED COST ESTIMATE IS BASED ON THE FOLLOWING CONDITIONS:

1. The attached cost estimate will change based on changes or alterations to the scope of services. Additional costs may be incurred for testing that fails or does not meet specifications and must be re-tested, consultation with the Architect, Structural Engineer, and/or Contractor, Client or other representative, or for other changes or alterations to the scope of services that were not disclosed or presented at the time of this cost estimate being issued.
2. Items and costs provided in the cost estimate may be moved between the various work elements to accommodate the overall project budget.
3. ~~Payment is due within 30 days Net from date of invoice. It is the Client's responsibility to report billing errors immediately upon receipt. Holt Engineering, Inc. is not responsible for billing errors not reported within 30 days of billing.~~
4. Scheduling, canceling and dispatch for on-site testing is only accepted/processed via phone with a company employee. Our office phone lines are staffed from 7:00 AM to 5:00 PM at 512-447-8166 Monday through Friday with exception for some Holidays. In the event scheduling must be done outside of these hours, our Laboratory Supervisor, Randy Beaver, is available at 512-848-3647. Scheduling requests, changes, or cancelations will not be accepted via text message, voice mail, email, standard mail, fax or other means.
5. A minimum of 3 hours will be charged per technician visit to site. Cancellations not made within 4 hours of a scheduled test will be billed 3 hours of technician time and trip/mileage charge.
6. Client understands that testing and observation is not continuous or exhaustive. Our testing and observation services are meant to aid in reducing, not eliminating, project risk. Holt is not responsible for the Contractor's means and methods, quality and completeness of work or adherence to the project documents.
7. If lot fill compaction testing is requested, a separate Lot Fill Agreement for Testing Lot Fills will be required. We have attached this document for your authorization.

Payment shall be in accordance with Section 4.5 of the Agreement.

 HOLT

 TFC

TFC Contract No. 18-100-000

Exhibit A-3

Assignment No. 3

HOLT ENGINEERING, INC.2220 BARTON SKYWAY - AUSTIN, TEXAS 78704
512-447-8166 PHONE / 512-447-0852 FAX**COST ESTIMATE***Date:* April 24, 2019*Client:* Facilities Design & Construction*Project:* (DROC) TFC 16 -17 DM HHSC Bldg. Project
1001 West North Loop
Austin, Texas 78756

Texas Facilities Commission

1711 San Jacinto Blvd.

Austin, Texas 78701

Contact: Mr. Kevin Sandberg**Cost Estimate for Materials Testing, Inspection, and Observation Services**

	<i>Quantity</i>	<i>Cost per Each</i>	<i>Total Cost:</i>
Laboratory Testing of Soils:			
Moisture Density Relationship (Proctor)	2	\$235.00	\$470.00
Atterberg Limits	2	\$90.00	\$180.00
Sieve Analysis (Dry Gradation)	2	\$100.00	\$200.00
Minus 200	2	\$55.00	\$110.00
Technician Rate - Per Hour (3hr. Minimum*)	6	\$75.00	\$450.00
Miles	15	\$0.75	\$11.25
<i>Subtotal: Laboratory Testing</i>			\$1,421.25
Field Density Testing:			
Technician Rate - Per Hour (3hr. Minimum*)	15	\$75.00	\$1,125.00
Density Tests w/Nuclear Guage	15	\$24.00	\$360.00
Miles	75	\$0.75	\$56.25
<i>Subtotal: Moisture Density Testing</i>			\$1,541.25
Reinforcing Inspection:			
Technician Rate - Per Hour (3hr. Minimum*)	9	\$75.00	\$675.00
Miles	45	\$0.75	\$33.75
<i>Subtotal: Reinforcing</i>			\$708.75
Concrete Testing:			
Technician Rate - Per Hour (3hr. Minimum*)	24	\$75.00	\$1,800.00
Miles	21	\$0.75	\$15.75
Compression Test Cylinders (4 x 8)	10	\$27.00	\$270.00
<i>Subtotal: Concrete Testing</i>			\$2,085.75
Engineer:			
Engineer - Regular Hours	2	\$165.00	\$330.00
<i>Subtotal: Engineer</i>			\$330.00

TFC Contract No. 18-100-000

Exhibit A-3

Assignment No. 3

HOLT ENGINEERING, INC.

2220 BARTON SKYWAY - AUSTIN, TEXAS 78704
512-447-8166 PHONE / 512-447-0852 FAX

Administration Costs:

Administration Fee - 2% of Monthly Invoice	\$6,087.00	2.00%	\$121.74
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<i>Subtotal: Administrative Fees</i>			\$121.74
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Total Estimate Amount for Services Indicated:			\$6,208.74
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FEE SCHEDULE
MATERIALS TESTING AND INSPECTION
 June 2018

Laboratory Testing (Soils):

Moisture/Density Relationship (Proctor)	\$	235.00/ea.
Permeability Test	\$	365.00/ea.
Atterberg Limits	\$	90.00/ea.
Sieve Analysis (Dry Gradation).....	\$	100.00/ea.
Minus 200	\$	55.00/ea.
Lime Series Curve	\$	265.00/ea.
pH	\$	38.00/ea.

Field Density Testing:

Technician Rate (3 Hour Minimum Charge*)	\$	75.00/hr.
Density Tests w/Nuclear Gauge	\$	24.00/ea.

Pier Inspection:

Technician Rate (3 Hour Minimum Charge*)	\$	75.00/hr.
Project Manager Rate	\$	117.00/hr.
Engineer Rate	\$	165.00/hr.

Concrete Testing:

Technician Rate (3 Hour Minimum Charge*)	\$	75.00/hr.
Project Manager Rate	\$	117.00/hr.
Engineer Rate	\$	165.00/hr.
Compression Test Cylinders (6 x 12)	\$	31.00/ea.
Compression Test Cylinders (4 x 8)	\$	27.00/ea.
Mortar Cube.....	\$	26.00/ea.
Unit Weight	\$	61.00/ea.
Grout Samples (Masonry)	\$	25.00/ea.

Structural Steel Inspection:

AWS Certified Welding Inspector.....	\$	105.00/hr.
AWS - CAWI	\$	70.00/hr.
AWS - CWI, NACE Level III	\$	191.00/hr.
Ultrasonic Testing.....	\$	Quote/Job
HILTI Ferrosan	\$	Quote/Job
Liquid Penetrant	\$	Quote/Job
Radiographic Testing (X-ray).....	\$	Quote/Job
Plant Inspection	Expenses+ \$	191.00/hr.

Asphalt Testing:

Coring (Minimum 3 Ea.)	\$	105.00/ea.
Extraction/Gradation	\$	237.00/ea.
Specific Gravity.....	\$	74.00/ea.
HVEEM Stability (Set of 3)	\$	80.00/ea.
Molding Specimens (Set of 3)	\$	85.50/ea.
Laboratory Density (Set of 3).....	\$	74.00/ea.
Technician Rate (3 Hour Minimum Charge*)	\$	75.00/hr.

Miscellaneous:

Overtime is time in excess of 8 hours/day and before 6 A.M. and after 6 P.M.
 Weekends, overtime and holidays are charged at 1.5 times hourly rate.

Administration Costs	2% of Monthly Services
Mileage	\$ 0.75/mi.

*WALK-IN'S - Additional 10% Charge

*Note: 4-Hour Minimum Charge Outside Austin Area



2220 Barton Skyway - Austin, Texas - 78704 - Ph. (512) 447-8166 - Fax (512) 447-0852

TFC Contract No. 18-100-000
Holt Engineering, Inc.
Assignment No. 3
Project No. 16-011-5550

EXHIBIT B-3

LIST OF PSP'S PROJECT MANAGER AND SUBCONTRACTORS

TFC Contract No. 18-100-000
 Holt Engineering, Inc
 Assignment No. 3
 Project No. 18-011-5550
 Exhibit B-3

**LIST OF PSP PROJECT MANAGER
 AND
 SUBCONTRACTORS**

(Name, Company Name, Address & Contact Person (Project Manager))

A. PSP Project Manager:		Randy Beaver (Name) Holt Engineering, Inc. (Company) 2220 Barton Skyway Austin, TX 78704 (Address) 512-848-3647 (Cell #) r.beaver@holteng.com (Email)
B. Subcontractors:		NONE (Name) (Company) (Address) (Cell #) (Email)
	1.	NONE (Name) (Company) (Address) (Cell #) (Email)
	2.	NONE (Name) (Company) (Address) (Cell #) (Email)
	3.	NONE (Name) (Company) (Address) (Cell #) (Email)