



CITY OF HOUSTON
HOUSTON AIRPORT SYSTEM
INVITATION TO BID (ITB)
SOLICITATION NO.: H93-IAHLVR-2024-021
IAH SOUTH LIGHTING VAULT RENOVATION
AT GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

Date Issued: April 5, 2024

Pre-Bid Conference: April 17, 2024, at 10:30 A.M., CT

In-Person HAS Infrastructure Division Office (IDO) Building
Auditorium No. 1
111 Standifer Drive, Humble, Texas, 77338

Questions Deadline: April 23, 2024, at 3:00 P.M., CT

Bid Due Date: May 16, 2024, at 10:30 A.M., CT
City Secretary's Office, City of Houston City Hall Annex,
900 Bagby Street, Room P101, Public Level
Houston, TX 77002

Solicitation Contact Person: Amanda Joseph
Sr. Procurement Specialist
Supply Chain Management, Houston Airport System
(281) 230-8088
Amanda.Joseph@houstontx.gov

Project Summary: Houston Airport System (HAS) is seeking a contractor to repair and rehabilitate the existing building and electrical system for the south lighting vault at George Bush Intercontinental Airport (IAH).

NAICS Codes: 912-00, 236-22, 238-11, 238-14, 238-16, 238-22, 238-21

DBE Goal: 8%

DocuSigned by:

A blue ink signature of Jedediah Greenfield, Chief Procurement Officer of the City of Houston.
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Jedediah Greenfield
Chief Procurement Officer
City of Houston

Document 00010

TABLE OF CONTENTS

NOTE: Capitalized Specification Sections are included in <https://www.houstonpermittingcenter.org/media/6386/download>, and are incorporated in Project Manuals by reference as if copied verbatim. Documents listed "for filing" are to be provided by Bidder and are not included in this Project Manual unless indicated for example only. The Document numbers and titles hold places for actual documents to be submitted by Contractor during Bid, post-bid, or construction phase of the Project. Specification Sections marked with an asterisk (*) are amended by a supplemental specification, printed on blue paper and placed in front of the Specification it amends. Documents in the 00200, 00300 and 00400 series of Division 00, except for Document 00410B – Bid Form, Part B, are not part of the Contract.

**Doc.
No. Document Title**

INTRODUCTORY INFORMATION

00010 Table of Contents
00015 List of Drawings
00041 List of Pre-qualified Asbestos & Lead Abatement Contractors

BIDDING REQUIREMENTS

INSTRUCTIONS TO BIDDERS

00200 Instructions to Bidders
00210 Supplementary Instructions to Bidders
00220 Request for Bid Information

INFORMATION AVAILABLE TO BIDDERS

00320 Geotechnical Information
00330 Existing Conditions
00340 Environmental Information

BID FORMS AND SUPPLEMENTS (NOTE: TO BE PROVIDED WITH BID)

00410 Bid Form, Parts A & B
00430 Bidder's Bond (For filing; Example Form)
00450 Bidder's Statement of MWBE/PDBE/DBE Status
00454 Affidavit of Non-interest
00455 Ownership Information Form
00456 Bidder's Certificate of Compliance with Buy American Program
00457 Conflict of Interest Questionnaire
00458 Bidder's Certificate Regarding Foreign Trade Restriction
00459 Contractor's Statement Regarding Previous Contracts
Subject to EEO

TABLE OF CONTENTS

**Doc.
No. Document Title**

- 00460 POP Program Acknowledgement Form
- 00470D Bidder's DBE Participation Plan for Project Funded by AIP Grant
- 00480 Form SCM-1 Reference Verification
- 00481 Anti-Collusion Statement
- 00600 List of Proposed Subcontractors and Suppliers, Parts A & B

POST-BID PROCEDURES

- 00495 Post-bid Procedures

CONTRACTING REQUIREMENTS

AGREEMENT: (NOTE: TO BE PROVIDED AFTER RECEIPT OF NOTICE OF INTENT TO AWARD)

- 00501 Resolution of Corporation
- 00520 Agreement

BONDS AND CERTIFICATES: NOTE: TO BE PROVIDED AFTER RECEIPT OF NOTICE OF INTENT TO AWARD)

- 00601 Drug Policy Compliance Agreement
- 00602 Contractor's Drug Free Workplace Policy (For filing by contractor)
- 00604 History of OSHA Actions and List of On-the-job Injuries
- 00605 List of Safety Impact Positions
- 00607 Certification Regarding Debarment, Suspension, and Other Responsibility Matters
- 00608 Contractor's Certification Regarding Non-segregated Facilities for Project Funded by AIP Grant
- 00609 List of Nonroad Diesel Equipment
- 00610 Performance Bond
- 00611 Statutory Payment Bond
- 00612 One-year Maintenance Bond
- 00613 One-year Surface Correction Bond
- 00620 Affidavit of Insurance
- 00621 ACORD Certificate of Insurance Form
- 00622 Name and Qualifications of Proposed Superintendent (For filing)
- 00628 Affidavit of compliance with DBE Program
- 00629 Affidavit for FAA Form 7460-1
- 00630 Agreement to Comply with POP Program
- 00631 Pay or Play (POP) Program – List of Subcontractors
- 00632 EEO Certification by Material Suppliers, Professional Service Providers
- 00636 Certificate of Interested Parties FORM 1295

**Doc.
No. Document Title**

GENERAL CONDITIONS

- 00700 General Conditions
- 00701 FAA General Provisions

SUPPLEMENTARY CONDITIONS

- 00800 Supplementary Conditions
- 00801 FAA Supplementary Conditions
- 00806 Disadvantaged Business Enterprise (DBE) Program
- 00807 Bidder/Contractor Requirements For Disadvantaged
Business Enterprise (DBE) Program
- 00811 Federal Wage Rate - Building
- 00840 Pay or Play (POP) Program

Document 00015

LIST OF DRAWINGS

| | |
|-----------|---|
| SV-G0.01 | COVER SHEET |
| SV-G0.02 | CODES AND GUIDELINES AND DRAWING LIST |
| SV-G0.03 | OVERAL LOCATION PLAN |
| SV-G0.04 | ATCT LINE OF SIGHT STUDY |
| SV-AD1.01 | ARCHITECTURAL DEMOLITION PLAN |
| SV-AD2.01 | ARCHITECTURAL DEMOLITION ELEVATIONS |
| SV-A1.01 | ARCHITECTURAL PLAN |
| SV-A1.02 | ARCHITECTURAL VAULT CEILING PLAN AND EGRESS PLAN |
| SV-A1.03 | ARCHITECTURAL SCHEDULES |
| SV-A2.01 | ARCHITECTURAL ELEVATIONS |
| C0.01 | CIVIL CONSTRUCTION NOTES |
| C1.00 | CIVIL DEMOLITION PLAN |
| C2.00 | CIVIL SITE PLAN |
| C3.00 | CIVIL GRADING AND DRAINAGE PLAN |
| C4.00 | CIVIL SWPP PLAN |
| C5.00 | CIVIL DETAILS |
| SV-E0.01 | ELECTRICAL ABBREVIATIONS, SYMBOLS AND NOTES |
| SV-E1.01 | ELECTRICAL SITE PLAN |
| SV-ED2.01 | ELECTRICAL SOUTH VAULT ELECTRICAL POWER DEMOLITION PLAN |
| SV-ED2.02 | ELECTRICAL WIRE VAULT DEMOLITION PLAN |
| SV-EP2.01 | ELECTRICAL POWER PLAN |
| SV-EP2.02 | ELECTRICAL WIRE VAULT POWER PLAN |
| SV-EP2.03 | ELECTRICAL GROUNDING PLAN |
| SV-EP2.04 | ELECTRICAL GROUNDING SITE PLAN |
| SV-EP2.05 | ELECTRICAL LIGHTNING PROTECTION PLAN |
| SV-ED3.01 | ELECTRICAL LIGHTING DEMOLITION PLAN |
| SV-ED3.02 | ELECTRICAL WIRE VAULT LIGHTING DEMOLITION PLAN |
| SV-EL3.01 | ELECTRICAL LIGHTING PLAN |
| SV-EL3.02 | ELECTRICAL WIRE VAULT LIGHTING PLAN |
| SV-EL3.03 | ELECTRICAL SITE LIGHTING PLAN |
| SV-EF3.01 | FIRE ALARM COORDINATION PLAN |
| SV-EF3.02 | FIRE ALARM WIRE VAULT COORDINATION PLAN |
| SV-ED4.01 | ELECTRICAL DEMO ONE LINE DIAGRAM |

| | |
|-----------|---|
| SV-E4.01 | ELECTRICAL ONE LINE DIAGRAM |
| SV-E5.01 | ELECTRICAL DETAILS |
| SV-E5.02 | ELECTRICAL DETAILS |
| SV-E6.01 | ELECTRICAL SCHEDULES |
| SV-E6.02 | ELECTRICAL SCHEDULES |
| SV-E6.03 | CONSTRUCTION SEQUENCE OVERVIEW |
| SV-E7.01 | OVERALL ALCMS PROPOSED ARCHITECTURE DIAGRAM |
| SV-E7.02 | SOUTH LIGHTING VAULT PROPOSED CCR SCHEDULE |
| SV-E7.03 | WEST LIGHTING VAULT PROPOSED CCR SCHEDULE |
| SV-E7.04 | NORTH LIGHTING VAULT PROPOSED CCR SCHEDULE |
| SV-PD1.01 | PLUMBING DEMOLITION PLAN |
| SV-P1.01 | PLUMBING PLAN |
| SV-S0.01 | STRUCTURAL GENERAL NOTES |
| SV-S0.02 | STRUCTURAL GENERAL NOTES |
| SV-S0.03 | STRUCTURAL GENERAL NOTES |
| SV-S1.00 | STRUCTURAL SITE PLAN |
| SV-S1.01 | STRUCTURAL SITE SECTIONS |
| SV-S1.02 | STRUCTURAL SITE DETAILS |
| SV-S1.10 | STRUCTURAL EXISTING AND DEMO PLAN |
| SV-S1.11 | STRUCTURAL EXISTING AND DEMO DETAILS |
| SV-S1.12 | STRUCTURAL EXISTING AND NEW PLAN |
| SV-S3.00 | STRUCTURAL TYPICAL FOUNDATION DETAILS - CONCRETE COVER REQUIREMENTS |
| SV-S3.01 | STRUCTURAL TYPICAL FOUNDATION DETAILS - DEVELOPMENT AND SPLICE LENGTHS |
| SV-S3.02 | STRUCTURAL TYPICAL FOUNDATION DETAILS - SLAB ON GRADE |
| SV-S4.00 | STRUCTURAL TYPICAL MASONRY DETAILS |
| T0.00 | TELECOM INDEX |
| T1.01 | TELECOM LEVEL 1 TELECOM PLAN |
| TY0.00 | SECURITY INDEX |
| TY1.01 | SECURITY LEVEL 1 - SECURITY PLAN |
| TY5.00 | SECURITY CAMERA DETAILS |
| TY5.01 | SECURITY DOOR DETAILS |

END OF DOCUMENT

Document 00041

**LIST OF PREQUALIFIED ASBESTOS & LEAD ABATEMENT, MOLD, SOIL REMEDIATION,
DEMOLITION AND PETROLEUM STORAGE TANK REMOVAL CONTRACTORS**

1.0 DOCUMENT INCLUDES

- A. Authorization.
- B. List of Authorized Contractors.

2.0 RELATED DOCUMENTS

- A. Section 13280 – Hazardous Materials Remediation
- B. Section 13281 – Abatement of Asbestos/Lead Containing Materials

3.0 AUTHORIZATION

- A. The List of Prequalified Asbestos, Lead, Mold Abatement, Soil Remediation, Demolition, and Petroleum Storage Tanks Removal Contractors (“List”) was authorized on June 28, 2017 and October 26, 2021 by City of Houston Council Motion Nos. 2017-0321 and 2021-0573.
- B. Only those firms on the List can be utilized by Bidder in subcontracting for the above-mentioned scope of work included in the Work.
- C. The List is administered by General Services Department. All inquiries should be directed to Gabriel Mussio (832-393-8079).

4.0 LIST OF AUTHORIZED CONTRACTORS

- A. As of the date specified in paragraph 3.0.A., all contractors listed in paragraph 4.0.B were licensed in the State of Texas for this type of work. Authorized Contractors must maintain their license to be on this list.
- B. Authorized Contractors:
 - 1. AAR Incorporated, 6640 Signat Drive, Houston TX 77041, 713-466-6800
 - 2. Allen & Company Environmental Services, 8815 Emmot Road, Suite 1500, Houston, Texas 77040, 281-741-4227

3. ARC Abatement, Inc. 6827 Signat Drive, Houston, TX 77041, 713-849-7738
4. Arrow Services Incorporated, 10202 Airline Drive, Suite A, Houston, Texas 77037, 281-445-1246
5. CRG Texas, LLC, 2504 Avenue I, Houston, TX 77471, 713-474-1570
6. Cherry Demolition, Inc., 6131 Selinsky, Houston TX 770485, 713-987-0000
7. DNB Enterprises, Inc., 20560 FM 1488, Bldg. C, Magnolia, TX 77355, 281-516-1999
8. Emanuel Enterprises, LLC, 8607 Kempridge Street, Houston, Texas 77080, 281-932-1138
9. ESE Partners, LLC, 19416 Park Row, Suite 120, Houston, TX 77084, 281-501-6100
10. Grant Mackay Demolition Co., 3717 Mesa Drive, Houston, Texas 77013, 713-670-0135
11. Inland Environmental, Ltd., 25380 Sorters Road, Porter, TX 77325, 281-354-7500
12. Lonestar Remediation & Demolition, Inc., 8718 Timberwilde Street, San Antonio, TX 77250, 210-240-4741
13. Remediation Resq LLC dba Restoration, 10413 Rockley, Suite 300, Houston, Texas 77099, 281-777-7872
14. RNDI Companies, Inc., 14434 Bandera Street, Houston, TX 77015, 713-443-7540
15. Sitek Omni Services, LLC, 1780 Roughneck Drive, Humble, Texas 77338, 281-812-1461
16. SSCI Environmental & Consulting, Inc., 17041 El Camino Real, Suite 200, Houston, TX 77058, 281-486-1943
17. TRT Abatement, LLC, 3003 Bingle Road, Houston, TX 77055, 832-230-8871

END OF DOCUMENT

00041-2
12-15-2021

DOCUMENT 000107 - SEALS & SIGNATURE PAGE

ARCHITECT

Jacobs Engineering Group, Inc.
818 Town & Country Blvd, Suite 500
Houston, TX 77024
Firm No. F-2966



03/15/2024

CIVIL ENGINEER

Isani Consultants
10448 Westoffice Dr
Houston TX 77042



STRUCTURAL ENGINEER

Henderson Rogers Structural Engineers, LLC
5599 San Felipe St, Suite 1425
Houston, TX 77056

Henderson Rogers
Structural Engineers, LLC
TBPE Firm Registration No. 8755



MECHANICAL ENGINEER

Jacobs Engineering Group, Inc.
818 Town & Country Blvd, Suite 500
Houston, TX 77024
Firm No. F-2966



ELECTRICAL ENGINEER

Jacobs Engineering Group, Inc.
818 Town & Country Blvd, Suite 500
Houston, TX 77024
Firm No. F-2966

PLUMBING ENGINEER

Jacobs Engineering Group, Inc.
818 Town & Country Blvd, Suite 500
Houston, TX 77024
Firm No. F-2966



TELECOMMUNICATIONS ENGINEER

4B Technology Group, LLC
390 Glenborough, Suite 290
Houston, TX 77067



END OF DOCUMENT 000107

Document 00200

TABLE OF CONTENTS

INSTRUCTIONS TO BIDDERS

| <u>PARAGRAPH</u> | <u>TITLE</u> | <u>PAGE</u> |
|------------------|---|-------------|
| 1.0 | <i>RELATED DOCUMENTS</i> | 3 |
| 2.0 | <i>DEFINITIONS</i> | 3 |
| 3.0 | <i>NOTICE TO BIDDERS</i> | 3 |
| 4.0 | <i>BID DOCUMENTS</i> | 5 |
| 5.0 | <i>EXAMINATION OF DOCUMENTS, SITE, AND LOCAL CONDITIONS</i> | 5 |
| 6.0 | <i>INTERPRETATIONS DURING BIDDING</i> | 5 |
| 7.0 | <i>ADDENDA</i> | 6 |
| 8.0 | <i>SUBSTITUTION OF PRODUCTS</i> | 6 |
| 9.0 | <i>PREPARATION OF BIDS</i> | 6 |
| 10.0 | <i>BID SUBMISSION</i> | 6 |
| 11.0 | <i>BID SECURITY</i> | 6 |
| 12.0 | <i>SUBCONTRACTORS AND SUPPLIERS</i> | 7 |
| 13.0 | <i>MODIFICATION OR WITHDRAWAL OF BID</i> | 7 |
| 14.0 | <i>BID DISQUALIFICATION</i> | 7 |
| 15.0 | <i>PREBID MEETING</i> | 7 |
| 16.0 | <i>OPENING OF BIDS</i> | 7 |
| 17.0 | <i>EVALUATION AND CONSIDERATION OF BIDS</i> | 7 |
| 18.0 | <i>ACCEPTANCE OF THE BID</i> | 7 |

Document 00200

INSTRUCTIONS TO BIDDERS

1.0 RELATED DOCUMENTS

- A. Document 00210, Supplementary Instructions to Bidders.
- B. Document 00320, Geotechnical Information.
- C. Document 00330, Existing Conditions.
- D. Document 00410 – Bid Form, Parts A & B.
- E. Document 00495, Post-Bid Procedures.
- F. Document 00520, Agreement.
- G. Document 00700, General Conditions.
- H. Document 00800, Supplementary Conditions.

2.0 DEFINITIONS

- A. Definitions set forth in Document 00700, General Conditions, and in other documents of Project Manual, are applicable to Bid Documents.
- B. *Addendum*: Written or graphic instrument issued prior to Bid opening, which clarifies, modifies, corrects, or changes Bid Documents.
- C. *Alternate*: The total amount bid for additions to work, as described in Section 01110, Summary of Work. Each Alternate includes cost of effects on adjacent or related components, and Bidder's overhead and profit.
- D. *Bid*: A complete and properly signed offer to perform the Work in accordance with this Document and Document 00210, Supplementary Instructions to Bidders.
- E. *Bid Date*: Date and time set for receipt of Bids as stated in Document 00210, Supplementary Instructions to Bidders, or as modified by Addenda.
- F. *Bid Documents*: Project Manual, Drawings, and Addenda.
- G. *Bid Supplement*: A Bid submittal that is required in Document 00410, Bid Form.
- H. *Bidder*: Person or firm, identified in Document 00410B, Bid Form, Part B, including its successors, and its authorized representative.

- I. *Code*: Code of Ordinances, Houston, Texas.
- J. *Low Bidder*: Apparent successful Bidder that qualifies as a responsible Bidder and that submits Bid with lowest Total Bid Price.
- K. *Project Manager*: Person designated in Document 00100, Advertisement for Bids, and Document 00220, Request for Bid Information, to represent the City during bidding and post-bid periods.
- L. *Project Manual*: Volume assembled for the Work that includes the bidding requirements, sample forms, Conditions of the Contract, and Specifications.
- M. *Security Deposit*: A certified check, cashier's check, or bid bond in the amount of 10 percent of the Total Bid Price.
- N. *Total Bid Price*: Total amount bid for performing the Work as identified by Bidder in Document 00410B, Bid Form, Part B, which amount includes:
 - 1. Stipulated Price;
 - 2. Total Base Unit Prices;
 - 3. Total Extra Unit Prices;
 - 4. Total Cash Allowances; and
 - 5. Total Alternates.

3.0 NOTICE TO BIDDERS

- A. Chapter 18, Ethics and Financial Disclosure, of the City of Houston Code of Ordinances makes it unlawful for a Contractor to offer any contribution to a candidate for City elective office (including elected officers and officers-elect) during a certain period of time prior to and following the award of the Contract by the City Council. The term "Contractor" includes proprietors of proprietorships, all partners of partnerships, and all officers, directors, and holders of 10 percent or more of the outstanding shares of corporations. A statement disclosing the names and business addresses of each of those persons will be required to be submitted with each bid or proposal; for a City Contract. Bidder shall complete and submit Document 00455, Ownership Information Form, with its Bid to comply with this requirement. See Chapter 18 of

the Code for further information.

- B. Chapter 15, Article VIII, of the City's Code provides that no contract shall be let, nor any other business transaction entered into, by the City with any person indebted to the City or a qualifying entity, if the contractor or transaction comes within the provisions of Section 15-1 (c) of the Code. Exceptions are provided in Section 15-126 of the Code. Bidder shall complete and submit Document 00455, Ownership Information Form, with its Bid to comply with this requirement.
- C. Neither bidder(s) nor any person acting on bidder(s)'s behalf shall attempt to influence the outcome of the award by the offer, presentation or promise of gratuities, favors, or anything of value to any appointed or elected official or employee of the City of Houston, their families or staff members. All inquiries regarding the solicitation are to be directed to the designated City Representative identified on the first page of the solicitation. Upon issuance of the solicitation through the pre-award phase and up to the date the City Secretary publicly posts notice of any City Council agenda containing the applicable award, aside from bidder's formal response to the solicitation, through the pre-award phase, written requests for clarification during the period officially designated for such purpose by the City Representative, neither bidder(s) nor persons acting on their behalf shall communicate with any appointed or elected official or employee of the City of Houston, their families or staff through written or oral means in an attempt to persuade or influence the outcome of the award or to obtain or deliver information intended to or which could reasonably result in an advantage to any bidder. However, nothing in this paragraph shall prevent a bidder from making public statements to the City Council convened for a regularly scheduled session after the official selection has been made and placed on the City Council agenda for action, or to a City Council committee convened to discuss a recommendation regarding the solicitation.
- D. **Compliance with Certain State Law Requirements.**
1. *Anti-Boycott of Israel.* Contractor certifies that Contractor is not currently engaged in, and agrees for the duration of this Agreement not to engage in, the boycott of Israel as defined by Section 808.001 of the Texas Government Code.
 2. *Anti-Boycott of Energy Companies.* Contractor certifies that Contractor is not currently engaged in, and agrees for the duration of this Agreement not to engage in, the boycott of energy companies as defined by Section 809.001 of the Texas Government Code.
 3. *Anti-Boycott of Firearm Entities or Firearm Trade Associations.* Contractor certifies that Contractor does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association, or will not discriminate against a firearm entity or firearm trade association for the duration of this Agreement, as defined by Section 2274.001 of the Texas Government Code.
 4. *Certification of No Business with Foreign Terrorist Organizations.* For purposes of Section 2252.152 of the Code, Contractor certifies that, at the time of this Agreement neither Contractor nor any wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of Contractor, is a company listed by the Texas Comptroller of Public Accounts under Sections 2252.153 or 2270.0201 of the Texas Government Code as a company known to have contracts with or provide supplies to a foreign terrorist organization.
- E. **Zero Tolerance Policy for Human Trafficking and Related Activities.** The requirements and terms of the City of Houston's Zero Tolerance Policy for Human Trafficking and Related Activities, as set forth in Executive Order 1-56, as revised from time to time, are incorporated into this Contract for all purposes. Bidder has reviewed Executive Order 1-56, as revised, and shall comply with its terms and conditions as they are set out at the time of this Contract's effective date. Bidder shall notify the City's Chief Procurement Officer, City Attorney, and the Director of any information regarding possible violation by the Bidder or its subcontractors providing services or goods under this Contract within 7 days of Bidder becoming aware of or having a

INSTRUCTIONS TO BIDDERS

reasonable belief that such violations may have occurred, have occurred, or are reasonably likely to occur.

- F. The requirements of Subchapter J, Chapter 552, Government Code, may apply to this bid and the contractor or vendor agrees that the contract can be terminated if the contractor or vendor knowingly or intentionally fails to comply with a requirement of that subchapter.

- G. **Prospective Vendor Responsibility.** The City will award contracts only to the responsible vendor possessing the ability to perform successfully under the terms and conditions of a proposed procurement. The City's policy is to award contracts only to a prospective vendor whom the City's contracting department has determined to be responsible, considering the following non-exhaustive factors:

- Record of integrity and business ethics, including timely payments to subcontractors/subconsultants, business judgment, reputation, and reliability.
- History of compliance with public policy and applicable laws, or the lack thereof.
- Record of past performance, including but not limited to, poor performance, failure to achieve reasonable progress, or defaulting on existing or previous City of Houston contracts, if any.
- Capacity to perform the required work or provide the required goods or services, which may include having (or having the ability to obtain) adequate financial and technical resources to perform the contract and any necessary equipment, facilities, organization, experience, efficiency, operational control, or technical skills, as applicable.
- Financial responsibility, including the ability to provide adequate bonds and insurance, as applicable.
- History of compliance with prevailing wage and other labor standards requirements.
- Record of failure to make good faith efforts to meet MWBE goals.
- Qualification and eligibility to receive an award under applicable laws and regulations, including any federal rules or regulations (e.g., 2 CFR Part 200).
- Ineligibility due to being suspended or debarred by federal, state, city, or county governmental agencies.

4.0 **BID DOCUMENTS**

- A. The Bid Documents may be obtained at

location specified in Document 00210, Supplementary Instructions to Bidders.

- B. The Bid Documents are made available only for the purpose of bidding on the Work. Receipt of Bid Documents does not grant a license for other purposes.
- C. On receipt of Bid Documents, Bidder shall verify that documents are legible and complete, compare contents of Project Manual with Document 00010, Table of Contents, and compare Index of Drawings with Document 00015, List of Drawings. Bidder shall notify Project Manager if Bid Documents are incomplete.
- D. If City of Houston Standard Specifications or Standard Details are required by the Project Manual, Bidder shall refer to Document 00210, Supplementary Instructions to Bidders for purchase information.

5.0 **EXAMINATION OF DOCUMENTS, SITE, AND LOCAL CONDITIONS**

- A. Bidder shall examine Project site, become familiar with local conditions under which the Work shall be performed, conduct appropriate investigations, and correlate personal observations with requirements of the Bid Documents before submitting a Bid.
- B. Bidder shall make site investigations to the extent Bidder deems necessary to ascertain extent of subsurface conditions.
- C. Failure of Bidder to perform the investigations prior to submitting a Bid does not relieve Bidder of responsibility for investigations, interpretations and proper use of available information in the preparation of its Bid.
- D. Bidder shall observe limitations of access to occupied or restricted site as stated in Document 00210, Supplementary Instructions to Bidders.

6.0 **INTERPRETATIONS DURING BIDDING**

- A. Bidder shall immediately submit Document 00220, Request for Bid Information, to Project Manager upon finding errors, discrepancies, or omissions in Bid Documents. Confirmation of receipt of questions by the City is the responsibility of Bidder. Verbal discussions and answers are not binding.
- B. Document 00220, Request for Bid Information, must be received at least 10 days before the Bid Date to allow issuance of Addenda in accordance with Paragraph 7.O.D. Replies, if issued, are by Addenda.

INSTRUCTIONS TO BIDDERS

7.0 *ADDENDA*

- A. Addenda that affect bidding requirements are applicable only through issuance of the Notice to Proceed. Addenda that affect the Contract are a part of the Contract.
- B. BIDDERS WHO SUBMIT A BID ON THIS PROJECT SHALL BE PRESUMED TO HAVE RECEIVED ALL ADDENDA AND TO HAVE INCLUDED ANY COST THEREOF IN THEIR BIDS, REGARDLESS OF WHETHER THEY ACKNOWLEDGE THE ADDENDA OR NOT.
- C. The City will make Addenda available at same location where the Bid Documents may be obtained. The City will notify plan holders of record when Addenda are available. Bidders are responsible for obtaining Addenda after notification.
- D. No Addendum will be issued later than noon on Monday before Bid Date, except Addenda with minor clarifications, withdrawing request for Bids, or postponing Bid Date.

8.0 *SUBSTITUTION OF PRODUCTS*

- A. No substitutions of Products will be considered during the bidding period.

9.0 *PREPARATION OF BIDS*

- A. Bidder shall fill in applicable blanks in Document 00410A&B, Bid Form, Parts A & B, and Bid Supplements. In addition, Bidder shall bid all Alternates. Bidder shall properly sign Document 00410B, Bid Form.
- B. Bidder shall initial all pages, except signature page, of Document 00410B, Bid Form, Part B.
- C. Bidder is responsible for all costs incurred by the Bidder, associated with preparation of its Bid and compliance with Post-bid Procedures.
- D. Bidder may not adjust preprinted price on line items stating "Fixed Unit Price" in the description on the Bid Form.
- E. Bidder may increase, but not decrease, preprinted price on line items stating "Minimum Bid Price" in the description on the Bid Form by crossing out the minimum and inserting revised price on the line above. Bidder **may not** decrease the preprinted price on line items stating "Minimum Bid Price".

- F. Bidder may decrease, but not increase, preprinted price on line items stating "Maximum Bid Price" in the description on the Bid Form by crossing out the maximum and inserting revised price on the line above. Bidder **may not** increase the preprinted price on line items stating "Maximum Bid Price".
- G. Bidder shall insert a price no greater than the maximum preprinted range and no less than the preprinted range for line items stating "Fixed Range Unit Price" in the description on the Bid Form by crossing out prices noted and inserting revised price on the line above.
- H. Bidder may not adjust Cash Allowance amounts.

10.0 *BID SUBMISSION*

- A. City Secretary will receive Bids on Bid Date at location specified in Document 00210, Supplementary Instructions to Bidders.
- B. Bids submitted after Bid Date will be returned to Bidder unopened.
- C. Verbal, facsimile, or electronic Bids are invalid and will not be considered.
- D. Bidder shall submit in person or by mail one copy of the signed Document 00410, Bid Form, Parts A and B, along with required Security Deposit, and required Bid Supplements, in a sealed, opaque envelope. In addition, Bidder shall clearly identify Project, Bid Date and Bidder's name on outside of envelope. If forwarded by mail, the sealed envelope containing the Bid must be enclosed in another envelope addressed for postal delivery.

11.0 *BID SECURITY*

- A. Bidder shall submit a Security Deposit with its Bid.
- B. Certified Check or Cashier's Check
 - 1. Bidder shall make check payable to the City of Houston.
 - 2. A check is submitted on the condition that if Bidder is named Low Bidder and fails either to timely and properly submit documents required in Document 00495, Post-Bid Procedures, the City will cash the check in accordance with Paragraph 11.0.E.
- C. Bid Bond
 - 1. The bid bond must be a valid and

INSTRUCTIONS TO BIDDERS

- enforceable bond, signed by a surety that complies with other requirements set out by law.
2. The bid bond must name the City of Houston as obligee, and be signed by the Bidder as principal and signed and sealed by the surety.
 3. The bid bond must be conditioned such that if Bidder is named Low Bidder and then fails to timely and properly submit documents required in Document 00495, Post-Bid Procedures, surety will be obligated to pay to the City an amount in accordance with Paragraph 11.0.E.
- D. Security Deposits will be retained until after the Contract is awarded or all Bids are rejected.
- E. Low Bidder forfeits Security Deposit if it fails to timely and properly submit documents required in Document 00495, Post-Bid Procedures. The City may claim an amount equal to the difference between the Total Bid Price of the defaulting Bidder and the Total Bid Price of the Bidder awarded the Contract. If Security Deposit is a check, the City will reimburse any remaining balance to the defaulting Bidder.
- 12.0 SUBCONTRACTORS AND SUPPLIERS**
- A. The City may reject proposed Subcontractors or Suppliers.
 - B. Refer to Document 00800,– Supplementary Conditions, for MWBE, PDBE, DBE and SBE goals.
- 13.0 MODIFICATION OR WITHDRAWAL OF BID**
- A. A Bidder may modify or withdraw a Bid submitted before the Bid Date by written notice to the City Secretary. The notice may not reveal the amount of the original Bid and must be signed by the Bidder.
 - B. Bidder may not modify or withdraw its Bid by verbal, facsimile, or electronic means.
 - C. A withdrawn Bid may be resubmitted up to the time designated for receipt of Bids.
- 14.0 BID DISQUALIFICATION**
- A. The City may disqualify a Bid if the Bidder:
 1. fails to provide required Security Deposit in the proper amount;
 2. improperly or illegibly completes information required by the Bid Documents;
 3. fails to sign Bid or improperly signs Bid;
 4. qualifies its Bid; or
 5. improperly submits its Bid.
- B. When requested, Low Bidder shall present satisfactory evidence that Bidder has regularly engaged in performing construction work as proposed, and has the capital, labor, equipment, and material to perform the Work.
- 15.0 PREBID MEETING**
- A. A prebid meeting is scheduled to be held at the place, time, and date listed in Document 00210, Supplementary Instructions to Bidders.
 - B. All Bidders, subcontractors, and suppliers are invited to attend.
 - C. Representatives of City Engineer will attend.
- 16.0 OPENING OF BIDS**
- A. Bids are opened by the City Secretary and publicly read in City Council Chambers on the Public Level in City Hall Annex at 11:00 a.m. on Bid Date.
 - B. Place and date of Bid opening may be changed in accordance with Sections 15-45(c) of the City Code.
- 17.0 EVALUATION AND CONSIDERATION OF BIDS**
- A. Project Manager will tabulate, record, and evaluate Bids.
 - B. The City may reject all Bids or may reject any defective Bid.
- 18.0 ACCEPTANCE OF THE BID**
- A. The City will send to Low Bidder Document 00498, Notice of Intent to Award. Acceptance by the City is conditioned upon Bidder's timely and proper submittal of documents required in Document 00495, Post-Bid Procedures.
 - B. The Bid remains open to acceptance and is irrevocable for the period of time stated in Document 00410A, Bid Form, Part A.

END OF DOCUMENT

Document 00210

SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

The following Paragraphs modify Document 00200 - Instructions to Bidders. Where a portion of the Instructions to Bidders is modified or deleted by these Supplementary Instructions, the unaltered portions of the Instructions to Bidders remains in effect.

PARAGRAPH 2.0 – DEFINITIONS:

Add the following sub-Paragraphs to this Paragraph:

- O. *Office of Business Opportunity (OBO):* All references to Affirmative Action Contract Compliance Division (AACC) set forth in Document 00700 – General Conditions and in other documents of the Project Manual, shall refer to, and include, the Office of Business Opportunity.

PARAGRAPH 4.0 – BID DOCUMENTS

Add the following sub-Paragraphs to this Paragraph:

A. Add the following Paragraph A.1:

- 1. Bid documents may only be obtained electronically at the Houston Airport System's website: <https://www.fly2houston.com/biz/opportunities/solicitations/>

D. Add the following Paragraph D.1:

- 1. Copies of the City Standard Specifications and Details may be acquired at no cost on the Houston Airport System's website <https://www.fly2houston.com/biz/resources/building-standards-and-permits/> " *HOUSTON AIRPORTS DESIGN STANDARDS*"

E. The following plan rooms, whose names, addresses, phone and fax numbers were last updated on April 9, 2007, have been authorized by the City to display Bid Documents for examination:

(Note: The Bid Documents furnished to the plan rooms for examination can be in electronic format, in hard copies, or in any other formats pertaining to each City Contracting Division's discretion.)

- 1. Associated General Contractors (AGC-HHUI), Highway, Heavy Utilities and Industrial Branch, 2400 Augusta St., Suite 305 , Houston, TX 77057, 713-334-7100, Fax 713-334-7130. Email: msimons@agctx.org
(Attention: Mellora Connelly)

2. Houston Minority Business Development Center, 2900 Woodridge, Suite 124, Houston, TX 77087, 713-644-0821, Fax 713-644-3523. Email: gtamez@gacompanies.com
3. The Builders' Exchange of Texas, Inc., 4047 Naco Perrin Blvd., Ste. 100 San Antonio, TX 78217, 210-564-6900, Email: editor@virtualbx.com

PARAGRAPH 5.0 – EXAMINATION OF DOCUMENTS, SITE, AND LOCAL CONDITIONS

D. Add the following sub-Paragraph D.1:

1. Area within contract limits is currently restricted. Access for examination is restricted to times, durations, routes and presence of City authorities, occurring at the conclusion of the Prebid Meeting or as otherwise directed by City Engineer. See Paragraph 15.0 below.

PARAGRAPH 8.0 – SUBSTITUTION OF PRODUCTS

Delete the existing sub-Paragraph A in its entirety, and replace it with the following sub-Paragraphs A, B, C, and D:

- A. Where Bid Documents specify a specific Product with provision for consideration of substitutions (or equal), requests for pre-bid approval of substitutions will be considered from Bidders only if received by Project Manager 10 days or more prior to Bid Date.
- B. Requests for substitutions must provide complete information to determine acceptability of the Products, in accordance with provisions of Document 00700 - General Conditions.
- C. The City will consider requests for substitutions and, if approved, will issue an Addendum. Bidder shall base its Bid only on substitutions approved in Addenda. Substitutions, not listed in an Addendum, are not allowed.
- D. Bidder shall include in its Bid, costs of substitutions approved by Addenda.]

PARAGRAPH 9.0 – PREPARATION OF BIDS

Add the following sub-Paragraph I to this Paragraph:

- I. For math errors the City encounters in analyzing Bids, the following guidance will be used:

In the event of a conflict between:

The Bid Price is:

1. Individual Unit Price and Extension of that Unit Price Individual Unit Price times Estimated Quantity
2. A Unit Price extension and Sum of all Individual Unit Price

| | | |
|----|--|---|
| | total of Unit Price Extensions | Extensions |
| 3. | Individual Alternate and total of Alternates | Sum of all Individual Alternates |
| 4. | Individual subtotals for Stipulated Price, Base Unit Prices, Extra Unit Prices, Contractor Bonus, Cash Allowances, and Alternates; and the Total Bid Price | Sum of Individual subtotals for Stipulated Price, Base Unit Prices, Extra Unit Prices, Contractor Bonus, Cash Allowances and Alternates |

PARAGRAPH 10.0 – BID SUBMISSION

Add the following sub-Paragraph A.1 to this Paragraph:

A. Add the following sub-Paragraph A.1:

1. Sealed bids, in triplicate, one (1) original marked “Original” and two (2) copies of the bids (also includes two (2) USB drives of all required submittals identified in Document 00410 Section 1.0 Offer) will be received by the City Secretary of the City of Houston, in the City Hall Annex, Public Level, 900 Bagby, Room P101, Houston, Texas 77002, until 10:30 a.m.,(CT) on Thursday, May 16, 2024.

E. Add the following Paragraph “E.” to Section 10:

E. Bidders shall submit Document 00470 Bidder’s MWSBE Participation Plan (or 00470D Bidder’s DBE Participation Plan if FAA funded project) with the bid. If the MWSBE goal is not met, the Document 00471 Pre-bid Good Faith Efforts, and Document 00472 Bidder’s MWSBE Goal Deviation Request form shall also be included in the submission with the bid (If the DBE goal is not met, following Section 2.A.12. of Document 00806).

11.0 – BID SECURITY: Add the following Paragraph 1. to Section 11.0.A.:

1. Bidder shall submit a Security Deposit in the form of:
 - a.) Certified Check;
 - b.) Cashier’s Check; or
 - c.) Bid Bond

Bidder should submit just one form of Security Deposit among the three listed above, and such form shall be issued according to Section 11.0.B and 11.0.C.

PARAGRAPH 12.0 – SUBCONTRACTORS AND SUPPLIERS

Add the following sub-Paragraph C. to this Paragraph

C. Refer to Document 00801 – Supplementary Conditions for Project Funded by AIP Grant, for DBE goals.

PARAGRAPH 15.0 – PREBID MEETING

Add the following sub-Paragraph A.1 to this Paragraph:

A. Add the following Paragraph A.1:

1. A Prebid Meeting will be held at Houston Airport System Infrastructure Division Office (IDO) Building, Auditorium No. 1, 111 Standifer Drive, Humble, Texas, 77338 on Wednesday, April 17, 2024, at 10:30 a.m. (CT).
2. Pre-bid Meeting Questions will be due from bidders on Tuesday, April 23, 2024, at 3:00 p.m. (CT).
3. A Site Visit will begin after the Pre-bid Meeting. The meeting and site visit are the only opportunity for bidders to see the site prior to Bid Due Date.

16.0 – OPENING OF BIDS: Replace Section B with the following:

- B. Place and date of Bid opening may be changed in accordance with Section 15-45(c) of the City Code.

The following Section is added as part of this solicitation:

3.0 – NOTICE TO BIDDERS

F. RESOLVING PROTESTS

1. Protests will be handled in accordance with City of Houston Administrative Policy AP 5-12. <http://www.houstontx.gov/adminpolicies/5-12.pdf>.

END OF DOCUMENT

Document 00220

REQUEST FOR BID INFORMATION

PROJECT: IAH South Airfield Vault Renovation

PROJECT No.: 952

TO: Amanda Joseph
16930 John F Kennedy Blvd
Houston, Texas 77032

Phone No. (281) 230-8088

Fax No. N/A

Email Addr. Amanda.Joseph@houstontx.gov

(Type or Print question legibly; use back if more space is needed)

This request relates to _____ and/or _____
Drawing / Detail No. Specification Section No.

Attachments to this request: _____

Signature

Date

(Type or Print Name)

(Type or Print Company Name)

END OF DOCUMENT

00220-1
9-2-2014

Document 00330

EXISTING CONDITIONS

1.0 DOCUMENT INCLUDES

- A. Subsurface investigation reports
- B. Existing structures

2.0 RELATED DOCUMENTS

- A. Document 00320 - Geotechnical Information

3.0 SUBSURFACE INVESTIGATION REPORT

- A. In the design and preparation of Contract documents for this Project, the City and Design Consultant have used information with respect to Underground Facilities and existing structures at or contiguous to the site, based on data furnished to the City or Design Consultant by owners of the Underground Facilities, as noted in reports listed below.
- B. A copy of each report is provided with Bid Documents as information to Bidders.
- C. Neither the City nor Design Consultant is responsible for the accuracy or completeness of any such information or data.

4.0 EXISTING STRUCTURES

- A. Contract documents indicate physical conditions in or relating to existing surface and subsurface structures which are at or contiguous to the site that were known to, and have been used by, the City and Design Consultant in preparation of Contract documents.

5.0 BIDDER RESPONSIBILITIES

- A. Bidder shall have full responsibility for reviewing and verifying information and data, for locating Underground Facilities and existing structures shown or indicated in the Contract documents, and for coordination of the

Document 00340

ENVIRONMENTAL INFORMATION

1.0 DOCUMENT INCLUDES

- A. Environmental Site Assessment, if applicable.
- B. Asbestos and Lead Surveys, if applicable.
- C. Bidder's responsibilities.

2.0 RELATED DOCUMENTS

- A. Document 00320 - Geotechnical Information

3.0 SITE INVESTIGATION REPORTS

- A. In the design and preparation of Contract documents for this Project, the City and Design Consultant have used information in environmental site assessment reports for the investigation and analysis of soils and subsurface conditions at the Project site.
- B. In the design and preparation of Contract documents for this Project, the City and Design Consultant have relied upon information in surveys taken for Asbestos-containing Materials (ACMs) and lead at the Project site.
- C. A copy of each report is available for examination at the City of Houston offices located at 611 Walker Street, Houston, Texas 77002.
- D. Neither the City nor Design Consultant is responsible for accuracy or completeness of any information or data.

4.0 REPORTS

B. Asbestos and Lead Surveys

1. Report No. B24002, prepared by the firm of Bh2oE, entitled Limited Asbestos Inspection Report, dated 02/24/2024, consisting of 23 pages.
2. Report No. B24002, prepared by the firm of Bh2oE, entitled Limited Lead-Based Paint Inspection Report, dated 02/25/2024, consisting of 13 pages.

5.0 BIDDER RESPONSIBILITIES

- A. Bidder shall take full responsibility for interpretation and use of information contained in above listed reports for bidding and construction purposes.
- B. Bidder may perform additional investigations as Bidder deems appropriate.

END OF DOCUMENT



5773 Woodway Drive, Suite 96
Houston, Texas 77057
Tel: (713) 366-6000
Fax: (713) 583-8553
Email: info@bh2oe.com

BLUE WATER ENVIRONMENTAL

*Asbestos Abatement Scope of Work Document
IAH South Lighting Vault Renovation
4104 Will Clayton Parkway
Houston, Texas 77032*

SCOPE OF WORK:

This scope of work document have been prepared by Bh2oE in compliance with the Environmental Protection Agency-National Emission Standards for Hazardous Air Pollutants (EPA-NESHAP).

The work at the subject site shall consist of the removal of the following materials:

1. Gray exterior slab expansion joint located outside the building on the slab expansions.
 2. Black exterior penetration mastic located on the exterior of the building penetrations by ground level.
 3. White exterior vent caulking located on the exterior side of the vents.
- It is the responsibility of the abatement contractor to quantify the exact amount of ACM to be removed and verify quantity estimates prior to submission of bid.
 - The Contractor shall perform work for materials and locations indicated, regardless of actual quantities, and no increase in the contract amount will be allowed for quantity adjustments under any circumstances.

PROJECT COORDINATION:

Minimum administrative and supervisory requirements necessary for coordination of work on this project include but are not necessarily limited to the following:

1. CONTRACTOR shall submit an emergency phone list to owner/consultant as part of the preconstruction submittals. CONTRACTOR shall post emergency phone list inside the work area(s).

2. CONTRACTOR shall provide a full-time on-site general superintendent who is familiar with and experienced in administration and supervision of asbestos abatement projects including work practices, regulations, protective measures for building and personnel, disposal procedures, and other applicable related asbestos abatement concerns.
3. The person is the competent person as required by OSHA in 29 CFR 1926 for the CONTRACTOR and is the CONTRACTORS'S representative responsible for compliance with applicable federal, state, and local regulations, and in particular, those relating to asbestos-containing materials.
4. The general superintendent must have completed and maintain current training requirements in supervision of asbestos abatement projects, have had a minimum of one (1) year on-the-job training and meet additional requirements set forth in 40 CFR Part 763 and 29 CFR 1926 for a competent person.
5. The general superintendent shall be licensed in accordance with state law.
6. The general superintendent shall be acceptable to the OWNER and shall remain acceptable throughout the project. The CONTRACTOR shall immediately replace a general superintendent who becomes unacceptable to the OWNER and/or CONSULTANT, and the work shall not proceed until an acceptable general superintendent is on-site.
7. When an event of unusual and significant nature occurs at site, prepare and submit a special report, or daily log sheet, listing chain of events, persons participating, response by CONTRACTOR'S personnel, evaluation of results or effects, and similar pertinent information. When such events are known or predictable in advance, advise OWNER and CONSULTANT in advance at earliest possible date.
8. When an accident occurs, report accidents immediately to the CONSULTANT. Prepare and submit reports, or daily log sheet, to the OWNER and CONSULTANT of significant accidents where work is in progress. Record and document data and actions; comply with industry standards. For this purpose, a significant accident is defined to include events where personal injury is sustained, or property loss of substance is sustained, or where the event posed a significant threat of loss or personal injury.

MOBILIZATION:

The mobilization process of personnel and equipment shall be performed in a manner which will not inhibit the activities in and around the subject site.

1. Mobilization shall be performed in agreement with the OWNER as to the time and place.
2. All vehicles must be parked in a designated parking area.
3. There is an ample amount of space for storage of equipment inside the building. Storage areas shall be designated and assigned by the OWNER.
4. Unloading of equipment shall be performed in a safe and timely manner.
5. The space used to store all abatement equipment must be kept clean and organized at all times to deter injuries.
6. The CONTRACTOR shall post all emergency phone numbers and Material Safety Data Sheet (MSDS) before work begins.
7. There shall be enough fire extinguishers, and a first aid kit outside of the containment unit in accordance with all applicable regulations.
8. Neither the OWNER nor CONSULTANT shall be responsible for providing any type of on-site security to the CONTRACTOR. Moreover, CONTRACTOR will be responsible for securing on-site equipment, materials and supplies at all times.
9. OWNER shall not indemnify CONTRACTOR against any claims relating to the on-site security procedures.
10. CONTRACTOR shall be responsible for furnishing his own electrical, water, and all sources that are necessary to fully complete the total abatement procedures.

WORK AREA(S):

1. All persons wanting to enter the work area must have all the credentials to do so in accordance with all applicable regulations. All persons entering the work area must also sign in on the sign-in sheet located at the entrance to the decontamination unit.
5. Asbestos warning signs, including those required by the shall be placed inside all entrances to the work area or at locations otherwise specified by the regulation. Signs must be placed in locations that prohibit entrance to regulated areas by unauthorized personnel. Signs posted must be displayed in both the English and Spanish languages.

6. Post preliminary signs in public areas reading similar to "CAUTION - CONSTRUCTION AREA - KEEP OUT" must be provided to avoid accidental access of unauthorized persons to the regulated area.
7. Provide visual barriers between preliminary signs and required signage as necessary to prevent undue public view of required signage.
8. Contractor's dumpster for disposal of asbestos waste must be kept locked, secured, and labeled at all times. Location of the dumpster will be coordinated when on-site work commences.
9. Contractor, transporter, and disposal site shall meet the licensing and registration requirements of the Texas Department Of State Health Services's, and Texas Asbestos Health Protection Rules.
12. The contractor shall furnish a competent person (i.e. licensed to perform asbestos work and is able to access the contained work area) to act as a FIRE WATCH person during non-working hours. (If needed).
13. The FIRE WATCH shall access the containment every hour or often as necessary to make sure all machinery is operating correctly (such as negative air machines), the containment is still intact, and to watch for fire hazards or unauthorized persons trying to access the regulated area.

REMOVAL:

1. **ONLY WET REMOVAL TECHNIQUES WILL BE ALLOWED.**
2. All work will be performed in accordance with EPA, OSHA, DSHS, and other applicable regulations.
3. The asbestos waste materials will be disposed of at an approved landfill with the proper waste manifest. Only licensed waste transporters will be allowed to move the waste from the subject site to the disposal site.
4. This abatement project will be conducted with respiratory protection in full accordance with all regulatory requirements including but not limited to the OSHA regulations found in 29 CFR 1926.1101 and 29 CFR 1910.134. Respiratory protection shall consist of, at a minimum, half-face negative pressure respirators with dual HEPA filters for the total duration of the work.

Respirators and disposable coveralls must be worn at all times while inside containment. Any person not following this order will be dismissed from the project and escorted off the property.

5. The abatement contractor shall be responsible for personnel OSHA monitoring including Short Term Exposure Limit (STEL's) sampling. Results from the OSHA sampling shall be posted at the beginning of the next shift. Samples collected shall be at least 25% of the total number of workers per work period, per work task/activity.
6. Any required air sampling of CONTRACTOR'S personnel will be conducted by a competent person supplied by the contractor who will also be responsible for determining the appropriate level of respiratory protection for the CONTRACTOR'S employees.
8. The CONTRACTOR and the CONTRACTOR'S employees shall indemnify the CONSULTANT AND OWNER against any claims relating to respiratory protection or exposure to work place hazards.
9. The CONTRACTOR will use removal techniques, methods, and equipment which will not permit the fiber count during removal operations to be more than 0.01 fibers per cubic centimeter (f/cc) of air as detected by personal air sampling methods. Any remedial measures taken by the CONTRACTOR to meet this requirement will be at the CONTRACTOR'S expense.
10. Collect the material that has been removed and place it into sealable plastic bags (6 mil. Thick minimum) which in turn will be placed in another plastic bag (6 mil. Thick minimum) - i.e. double bag the ACM waste - each bag will be cleaned, wet wiped, evacuated, and removed from the work area. All plastic bags and containers must be imprinted with required and specific warning signs and labels. The CONTRACTOR shall also permanently attach the OWNER'S name and address to each disposal bag and/or container. All materials being disposed of as asbestos waste shall be labeled as such. CONTRACTOR can only remove what can be containerized per shift.
11. All electrical equipment used or supplied by the CONTRACTOR is to receive power from an independent source supplied by the CONTRACTOR (i.e. Electrical panel). Also, all electrical equipment must be connected to the power source through Ground Fault Circuit Interrupters (GFCI).
12. All equipment utilized for the job shall be owned by the CONTRACTOR.

13. Any mastic remover (i.e. solvent) that is to be used should be specially formulated for removal of resilient flooring mastic without leaving any residual odors.

VISUAL INSPECTIONS:

1. This section describes air monitoring and inspection services to be carried out by the CONSULTANT to verify that the work performed is in compliance and that the subject site areas beyond the work area and the outside environment remain uncontaminated.
2. The CONSULTANT will be conducting air monitoring throughout the course of the project.
3. The purpose of this monitoring will be to monitor fiber levels to verify appropriateness of the work area isolation procedures including respiratory protection
4. Respiratory protection shall be worn in affected area until area is cleared for re-occupancy.
5. Leave critical barriers and work area signage in place until completion of work affected area.
6. The CONTRACTOR shall perform air monitoring as required to meet OSHA requirements for maintenance of Time Weighted Average (TWA) and excursion limit fiber counts for types of respiratory protection provided. The OWNER will not provide air monitoring services to meet the CONTRACTOR'S OSHA requirements.
7. The CONTRACTOR shall post results of OSHA required air monitoring within twenty-four (24) hours of sample collection.
18. Also, there shall be visual inspections performed periodically by the designated CONSULTANT and/or CONSULTANT'S employee on site. These inspections shall be performed to insure that the removal techniques in the specifications are being applied and also to insure that the work area is being kept as clean as possible. This will help to insure a safe project.
19. At the end of the final cleaning process the CONTRACTOR shall notify the CONSULTANT'S employee onsite that he is ready for the final visual inspection of the abatement area. This process is done to insure that the area is free of all visual asbestos containing material.

February 28, 2024
Ms. Michelle Clement
Asbestos Scope of Work Document
IAH South Lighting Vault Renovation
4104 Will Clayton Parkway - Houston, Texas 77032
Bh2oE Project Number: B24002
Page 7

DEMOBILIZATION:

The CONTRACTOR shall perform the demobilization process in a safe and timely manner which shall include:

1. The tear down of the poly sheeting shall be performed by rolling the wall inward.
2. The poly shall then be placed inside two asbestos burial bags and disposed of as asbestos waste at an approved landfill and properly manifested.

***For: Blue Water Environmental
Sam H. Barbar
Consultant License Number: 10-5452.***

END

BLUE WATER ENVIRONMENTAL

Bh2oE

LIMITED ASBESTOS INSPECTION REPORT

**FREESE AND NICHOLS - MS. MICHELLE CLEMENT
IAH SOUTH LIGHTING VAULT RENOVATION
4104 WILL CLAYTON PARKWAY
HOUSTON, TEXAS 77032**

BH2OE PROJECT NUMBER: B24002

**5773 Woodway Drive, Suite 96, Houston, Texas 77057
Phone: (713) 366-6000 Fax: (713) 583-8553
E-Mail: info@bh2oe.com**



5773 Woodway Drive, Suite 96
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BLUE WATER ENVIRONMENTAL

February 24, 2024

Ms. Michelle Clement
Freese And Nichols, Inc.
10497 Town and Country Way, Suite 500
Houston, Texas 77024

Re.: Limited Asbestos Inspection Report
IAH South Lighting Vault Renovation
4104 Will Clayton Parkway
Houston, Texas 77032
Bh2oE Project Number: B24002

Dear Ms. Clement:

A Bh2oE representative (Shareef Abu-Ain / DSHS License # 10-5907) under the direct supervision of Sam H. Barbar (a Texas-licensed asbestos consultant, DSHS License No. 10-5452) was on site on February 19, 2024; for the purpose of collecting samples of any suspect Asbestos-Containing Materials (ACM) that could be disturbed in upcoming building activities at the above referenced subject site.

This inspection was authorized and conducted in accordance with all applicable federal, state and local regulations for the purpose of renovating/demolishing the subject site. A total of forty three (43) samples of suspect materials were properly collected. Samples were properly labeled and transported to Apex Precision Analytical Services laboratory for analysis.

Laboratory analysis results showed the following materials to contain asbestos:

- 1. Gray exterior slab expansion joint showed concentrations of 2% Chrysotile asbestos. This material is located outside the building on the slab expansions (sample number: B24002-23). This material was in a damaged condition at the time of the site visit.**
- 2. Black exterior penetration mastic showed concentrations of 5% Chrysotile asbestos. This material is located on the exterior of the building penetrations by ground level (sample number: B24002-32). This material was in a good condition at the time of the site visit.**
- 3. White exterior vent caulking showed concentrations of 3% Chrysotile asbestos. This material is located on the exterior side of the vents (sample number: B24002-35). This material was in a damaged condition at the time of the site visit.**

STANDARDS AND GUIDELINES

Below is a brief summary of applicable federal and state regulations for asbestos in building materials:

A. Texas Asbestos Health Protection Rules (TAHPR) Title 25, Part 1, §295

ACM is defined by the TDSHS Texas Asbestos Health Protection Rules, March 2003, as materials or products that contain more than 1.0% of any kind or combination of asbestos, as determined by the EPA recommended methods as listed in EPA/600/R-93/116, July 1993 "Method for the Determination of Asbestos in Bulk Building Materials". This means any one material component of a structure or any layer of a material sample. The Texas Asbestos Health Protection Rules addresses the problem of limiting the exposure of an individual to asbestos fibers by regulating asbestos disturbance activities in buildings that afford public access or occupancy and in commercial buildings.

These regulated activities apply to all persons disturbing, removing, encapsulating, or enclosing asbestos within public buildings for any purpose, including repair, renovation, dismantling, demolition, installations, or maintenance operations, or any activity that may involve the disturbance or removal of ACM whether intentional or unintentional. Also included are the qualifications for licensure of persons and requirements for compliance with these sections and all applicable standards of the United States Environmental Protection Agency and the United States Occupational Safety and Health Administration as adopted.

B. OSHA Asbestos in Construction Standard at 29 CFR § 1926.1101

The OSHA Asbestos Standard regulates workers in construction, demolition, and maintenance who may be occupationally exposed to asbestos-containing products. Asbestos-related construction work involves any demolition or salvage of structures where asbestos is present; removal or encapsulation of materials containing asbestos; construction, alteration, repair, maintenance, or renovation of structures, substrates, or portions thereof, that contain asbestos; installation of products containing asbestos; asbestos spill/emergency cleanup; and transportation, disposal, storage, containment of and housekeeping activities involving asbestos or products containing asbestos, on the site or location at which construction activities are performed whereby the asbestos-containing material could be disturbed resulting in asbestos exposure.

The standard classifies different activities involving asbestos based on their potential for disturbance. It also states the employer shall sample the air in the worker's breathing zone to determine asbestos exposure. Permissible Exposure Limits (PEL) and Excursion Limits are established in the OSHA standard for comparison. The employer shall ensure that no employee is exposed to an airborne concentration of asbestos in excess of 0.1 fiber per cubic centimeter of air as an eight hour time-weighted average (TWA) or an airborne concentration of 1.0 fiber per cubic centimeter of air (1 f/cc) as averaged over a sampling period of 30 minutes. All employers of employees exposed to asbestos hazards must comply with applicable protective provisions to protect their employees. The standard designates approved work practices for dealing with asbestos, establishes air monitoring requirements, and sets requirements for appropriate respiratory protection.

C. EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61

The NESHAP rules set a ten-day notification requirement for planned demolitions and renovations. Additionally, record keeping requirements were established for waste disposal. The rules categorize ACM based on its potential to release fibers.

SAMPLING PROCEDURES - SUSPECT ACBM

The inspector followed the sampling procedure in accordance with Texas Department of State Health Services (TDSHS) Texas Asbestos Health Protection Rules (TAHPR).

Suspect materials, which are alike in appearance and application, were sampled as a homogeneous area. Suspect homogeneous areas are divided into three classifications:

1) Surfacing materials: spray-applied or troweled on material, 2) Thermal Systems Insulation: pipe, boiler, tank, or flue insulation, and 3) Miscellaneous: other suspect material, including floor tile, floor tile mastic, sheet vinyl flooring, ceiling tile and panel, insulation mastics, cove base mastic, window caulking/glazing, and exterior siding (Transite®).

Suspect materials sampled and analyzed should be considered homogeneous if: 1) They exhibit similar physical characteristics, and 2) The application of the sampled material can be correlated to the application of un-sampled material.

Representative sampling was based on: 1) Distribution of the suspect materials throughout the homogeneous area, 2) The suspect material's physical characteristics and application, and 3) Random sampling patterns determined for each homogeneous area.

The forty three (43) samples of suspect Asbestos-Containing Building Materials (ACBM) sampled during this limited asbestos inspection consisted of the following:

- Textured concrete wall material.
- Roofing material.
- Turbine wrap insulation.
- HVAC tape.
- Foam wall adhesive.
- Black fireproofing insulation.
- Gray exterior slab expansion joint.
- HVAC drain line insulation.
- Red exterior fire-stop penetration material.
- Black exterior penetration mastic.
- White exterior vent caulking.
- Foam penetration material.
- Rust insulation on trusses.

Suspected ACM bulk samples were collected and sent under Chain-Of-Custody (COC) to Apex Precision Analytical Services, Inc. laboratory for analysis in Friendswood, Texas (NVLAP Lab Code: 200633-0; PLM TDSHS Asbestos License#: 30-0312 PLM/PCM). The samples were properly analyzed under Polarized Light Microscopy (PLM) utilizing the Environmental Protection Agency's Method for the Detection of Asbestos in Bulk Insulation Samples, (EPA 600/R-93 July 1993), and the McCrone Research Institute's The Asbestos Particle Atlas as method references.

RECOMMENDATIONS

- The asbestos-containing materials were in a generally good in a good condition at the time of the site visit except for a small areas where some minor damage was visually detected. It is recommended - at a minimum - to abate the damaged area(s) and maintain/manage the rest in-place under an Operations and Maintenance (O&M) program following all applicable federal, state, and local regulations utilizing a qualified asbestos abatement contractor and consultant.
- Notification to the current or future tenants and custodians of the subject site should be addressed. Also, any in-house repair work done on or around asbestos-containing materials should be performed by qualified personnel.
- Any renovation and/or demolition activities involving the disturbance or possible disturbance of ACBM; these ACBMs must be abated utilizing a qualified (i.e. certified and licensed) asbestos abatement contractor and consultant.
- Any materials located throughout the subject site that are similar (i.e. homogeneous) to the above sampled Asbestos-Containing Materials (ACMs) need to be considered as ACMs, and should be treated accordingly by qualified personnel. Also, any material(s) that is in direct contact to any ACM needs to be considered as ACM and treated accordingly if removing these materials will disturb the ACM.
- This inspection was non-destructive in nature, limited only to the materials sampled and only safe areas were inspected. Therefore, if any suspect material, not sampled, is encountered during any building activities, it should be sampled and tested for possible asbestos content by qualified personnel prior to the continuation of these activities.
- Any areas that were not accessed at the time of the site visit should be checked for suspect asbestos materials before any renovation, demolition, and/or any activities are to take place. Sampling and assessing of the suspect materials should be conducted by qualified personnel.

QUALIFICATIONS AND LIMITATIONS

Our professional services have been performed, our findings obtained and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

The conclusions and recommendations describe only the conditions present at the time of our assessment, in areas that were observed. Changes may result with the passage of time. Bh2oE and its representatives do not warrant against future changes in operations or conditions, nor warrant conditions present of a type or at a location not addressed in this study. Opinions and recommendations presented herein apply to site conditions existing at the time of our investigation and those reasonably foreseeable; they cannot necessarily apply to site changes of which this office is not aware and has not had the opportunity to evaluate.

February 24, 2024
Ms. Michelle Clement
Limited Asbestos Inspection Report
IAH South Lighting Vault Renovation
4104 Will Clayton Parkway - Houston, Texas 77032
Bh2oE Project Number: B24002
Page 5

This report is designed to aid the building owner, architect, construction manager, general contractor, and potential abatement contractor in locating Asbestos-Containing Materials (ACM). **Under no circumstances is this report to be used as a bidding document or a project specification document.** Reasonable efforts were made to obtain representative samples of building materials and have those materials analyzed for asbestos content. Should suspect materials be discovered during building renovation/demolition that have not been addressed, bulk samples of the material should be collected and analyzed for asbestos content prior to renovation and/or demolition.

On behalf of Bh2oE, I would like to thank you for giving us the opportunity to provide you with our professional services. Should you have any questions or clarifications regarding any matter, please do not hesitate to contact our office at your earliest convenience. Bh2oE staff is available for your immediate assistance around the clock.

Sincerely,

For: Blue Water Environmental (Bh2oE)



Sam H. Barbar, *BSCE, BSEE*
Texas State Consultant License #: 10-5452

Appendix A - Laboratory Sample Analysis Results & Chain Of Custody.
Appendix B - Photographic Documentation.
Appendix C - Samples Location Diagram.

Appendix A
Laboratory Sample Analysis Results
&
Chain Of Custody

ASBESTOS BULK ANALYSIS REPORT

Date: February 20, 2024

Blue Water Environmental

Report: 7924-0646
B24002 / IAH Airport – South Lighting Vault /
4104 Will Clayton Pkwy., Houston, Texas
77032

This document shall be considered a duly signed original report of the results obtained from the analysis(es) performed. All analyses are done within government guidelines and regulations.

A handwritten signature in black ink, appearing to read 'G.R. Simmons', is positioned above a horizontal line.

Gary R. Simmons
Laboratory Manager

Lab Comments on Project: N/A

PLM (Bulk) - Asbestos Analysis Report - Visual ID

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

Blue Water Environmental
 5773 Woodway Dr., Suite 96
 Houston, TX 77057
 713-366-6000
 Contact: Jesse Barbar

Report Number: 7924-0646
Report Date: February 20, 2024
Samples Collected: February 19, 2024
Date Received: February 19, 2024
Turn-around time: 24 Hour

Job ID / Site: B24002 / IAH Airport – South Lighting Vault / 4104 Will Clayton Pkwy., Houston, Texas 77032

| Client Sample Number | Lab Sample Number (by layer) | Color / Description / Fibrous / NonFibrous / Homogeneity | Asbestos Content Type & % | Non-Asbestos Fibrous Type & % | Matrix |
|----------------------|------------------------------|---|---------------------------|-------------------------------|--------|
| B24002-1 | 7924-0646-01 | White / Paint, Texture / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-2 | 7924-0646-02 | White / Paint, Texture / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-3 | 7924-0646-03 | White / Paint, Texture / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-4 | 7924-0646-04 | White / Paint, Texture / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-5 | 7924-0646-05 | White / Paint, Texture / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-6 | 7924-0646-06 | Off White, Yellow / Roofing Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-7 | 7924-0646-07 | Off White, Yellow / Roofing Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-8 | 7924-0646-08 | Off White, Yellow / Roofing Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-9 | 7924-0646-09 | Off White, Yellow / Roofing Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-10 | 7924-0646-10 | Off White, Yellow / Roofing Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |

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PLM (Bulk) - Asbestos Analysis Report - Visual ID

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

Blue Water Environmental
 5773 Woodway Dr., Suite 96
 Houston, TX 77057
 713-366-6000
 Contact: Jesse Barbar

Report Number: 7924-0646
Report Date: February 20, 2024
Samples Collected: February 19, 2024
Date Received: February 19, 2024
Turn-around time: 24 Hour

Job ID / Site: B24002 / IAH Airport – South Lighting Vault / 4104 Will Clayton Pkwy., Houston, Texas 77032

| Client Sample Number | Lab Sample Number (by layer) | Color / Description / Fibrous / NonFibrous / Homogeneity | Asbestos Content Type & % | Non-Asbestos Fibrous Type & % | Matrix |
|----------------------|------------------------------|--|---------------------------|-------------------------------|--------|
| B24002-11 | 7924-0646-11 | Green,Red / Material / Fibrous / Homogeneous | None Detected | Synthetic 10% | Binder |
| B24002-12 | 7924-0646-12 | Green,Red / Material / Fibrous / Homogeneous | None Detected | Synthetic 10% | Binder |
| B24002-13 | 7924-0646-13 | Green,Red / Material / Fibrous / Homogeneous | None Detected | Synthetic 10% | Binder |
| B24002-14 | 7924-0646-14 | Off White / Material / Fibrous / Homogeneous | None Detected | Cellulose 90% | Binder |
| B24002-15 | 7924-0646-15 | Off White / Material / Fibrous / Homogeneous | None Detected | Cellulose 90% | Binder |
| B24002-16 | 7924-0646-16 | Off White / Material / Fibrous / Homogeneous | None Detected | Cellulose 90% | Binder |
| B24002-17 | 7924-0646-17 | Yellow / Foam / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-18 | 7924-0646-18 | Yellow / Foam / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-19 | 7924-0646-19 | Yellow / Foam / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-20 | 7924-0646-20 | Black / Fireproofing / Fibrous / Homogeneous | None Detected | Cellulose 90% | Binder |

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PLM (Bulk) - Asbestos Analysis Report - Visual ID

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

Blue Water Environmental
 5773 Woodway Dr., Suite 96
 Houston, TX 77057
 713-366-6000
 Contact: Jesse Barbar

Report Number: 7924-0646
Report Date: February 20, 2024
Samples Collected: February 19, 2024
Date Received: February 19, 2024
Turn-around time: 24 Hour

Job ID / Site: B24002 / IAH Airport – South Lighting Vault / 4104 Will Clayton Pkwy., Houston, Texas 77032

| Client Sample Number | Lab Sample Number (by layer) | Color / Description / Fibrous / NonFibrous / Homogeneity | Asbestos Content Type & % | Non-Asbestos Fibrous Type & % | Matrix |
|----------------------|------------------------------|--|---------------------------|-------------------------------|--------|
| B24002-21 | 7924-0646-21 | Black / Fireproofing / Fibrous / Homogeneous | None Detected | Cellulose 90% | Binder |
| B24002-22 | 7924-0646-22 | Black / Fireproofing / Fibrous / Homogeneous | None Detected | Cellulose 90% | Binder |
| B24002-23 | 7924-0646-23 | Grey / Expansion Joint Material / Fibrous / Homogeneous | Chrysotile 2% | Cellulose 3% | Binder |
| B24002-24-25 | 7924-0646-24-25 | Positive Stop (2) | | | |
| B24002-26 | 7924-0646-26 | White,Black / Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-27 | 7924-0646-27 | White,Black / Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-28 | 7924-0646-28 | White,Black / Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-29 | 7924-0646-29 | Red / Material / Fibrous / Homogeneous | None Detected | Fibrous Glass 2% | Binder |
| B24002-30 | 7924-0646-30 | Red / Material / Fibrous / Homogeneous | None Detected | Fibrous Glass 2% | Binder |
| B24002-31 | 7924-0646-31 | Red / Material / Fibrous / Homogeneous | None Detected | Fibrous Glass 2% | Binder |

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PLM (Bulk) - Asbestos Analysis Report - Visual ID

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials and EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

Blue Water Environmental
 5773 Woodway Dr., Suite 96
 Houston, TX 77057
 713-366-6000
 Contact: Jesse Barbar

Report Number: 7924-0646
Report Date: February 20, 2024
Samples Collected: February 19, 2024
Date Received: February 19, 2024
Turn-around time: 24 Hour

Job ID / Site: B24002 / IAH Airport – South Lighting Vault / 4104 Will Clayton Pkwy., Houston, Texas 77032

| Client Sample Number | Lab Sample Number (by layer) | Color / Description / Fibrous / NonFibrous / Homogeneity | Asbestos Content Type & % | Non-Asbestos Fibrous Type & % | Matrix |
|----------------------|------------------------------|--|---------------------------|-------------------------------|--------|
| B24002-32 | 7924-0646-32 | Grey / Mastic / Fibrous / Homogeneous | Chrysotile 5% | None Detected | Binder |
| B24002-33-34 | 7924-0646-33-34 | Positive Stop (2) | | | |
| B24002-35 | 7924-0646-35 | Grey / Caulking / Fibrous / Homogeneous | Chrysotile 3% | Cellulose 3% | Binder |
| B24002-36-37 | 7924-0646-36-37 | Positive Stop (2) | | | |
| B24002-38 | 7924-0646-38 | Yellow / Foam / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-39 | 7924-0646-39 | Yellow / Foam / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-40 | 7924-0646-40 | Yellow / Foam / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-41 | 7924-0646-41 | Yellow,Brown / Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-42 | 7924-0646-42 | Yellow,Brown / Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |
| B24002-43 | 7924-0646-43 | Yellow,Brown / Material / NonFibrous / Homogeneous | None Detected | None Detected | Binder |

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7924-0646

Positive-Stop Analysis?

(Circle)

Yes No

Requested Turnaround time

(Circle)

7-Days 5-Days 3-Days

24-hrs 12-hrs 6-hrs

Other (Specify): 48-hrs

ASBESTOS Samples & Chain Of Custody Form

| Bh2oE Project # | Sampling By (License #) | Date(s) Taken | Total # Samples | Page # | of | Total Pages | |
|---|---|---|---|--------------------|-----------------------|------------------|------------------|
| B24002 | Shareef Abu-Ain (10-5907) | February 19, 2024 | 43 | 1 | | 5 | |
| Project Name & Location | | | Billing information: | | | | |
| Project Name: IAH Airport - South Lighting Vault | | | Blue Water Environmental (Bh2oE) | | | | |
| Location: 4104 Will Clayton pkwy Houston, Texas 77032 | | | 5773 Woodway Drive, Suite # 96 - Houston, Texas 77057 | | | | |
| Sample Analysis: PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy | | | Lab Submitted to: | | Apex | | |
| # | Material Description | HA | Location of Sample | Condition % Damage | Friable | Quantity | |
| B24002-1 | TEXTURED / PAINTED WHITE CONCRETE WALL | 1 | INTERIOR | D | F | 3,200 SF | |
| -2 | ↓ | | ↓ | | | | |
| -3 | | | | | | | |
| -4 | | | | | | | |
| -5 | | | | | | | |
| -6 | | POLYURETHANE FOAM ROOF | | 2 | ROOF | SD | F |
| -7 | ↓ | | ↓ | | | | |
| -8 | | | | | | | |
| -9 | | | | | | | |
| -10 | | | | | | | |
| CONDITION CODE | | FRIABLE CODE | | HOMOGENEOUS CODE | | QUANTITY CODE | |
| ND = No Damage | D = Damaged | SD = Significantly Damaged | F = Friable | NF = Non-Friable | HA = HOMOGENEOUS AREA | SF = Square Feet | LF = Linear Feet |
| INSPECTION COMMENTS: | | survey limited to portion of building not operated by CenterPoint Energy (south half/portion) SAMPLES WERE COLLECTED ON FEB. 16 + FEB. 19, 2024 INTERIOR OF MECHANICAL/ELECTRICAL EQUIPMENT WAS NOT SAMPLED | | | | | |
| Relinquished By: | | | Date & Time | | | | |
| Shareef Abu-Ain | | | February 19, 2024 | | | | |
| Received By: | | | Date & Time | | | | |
| | | | 2/19/24 1645 | | | | |

Positive-Stop Analysis?

(Circle)

Yes

No

Requested Turnaround time

(Circle)

7-Days 5-Days 3-Days

24-hrs 12-hrs 6-hrs

Other (Specify): 48-hrs

ASBESTOS Samples & Chain Of Custody Form

| Bh2oE Project # | Sampling By (License #) | Date(s) Taken | Total # Samples | Page # | of | Total Pages |
|---|----------------------------------|----------------------------|---|--------------------|-----------------------|------------------|
| B24002 | Shareef Abu-Ain (10-5907) | February 19, 2024 | 43 | 2 | | 5 |
| Project Name & Location | | | Billing information: | | | |
| Project Name: IAH Airport - South Lighting Vault | | | Blue Water Environmental (Bh2oE) | | | |
| Location: 4104 Will Clayton pkwy Houston, Texas 77032 | | | 5773 Woodway Drive, Suite # 96 - Houston, Texas 77057 | | | |
| Sample Analysis: PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy | | | Lab Submitted to: | | Apex | |
| # | Material Description | HA | Location of Sample | Condition % Damage | Friable | Quantity |
| 11 | GREEN TURBINE INSULATION / WRAP | 3 | TURBINE | D | NF | 10 SF |
| 12 | ↓ | | ↓ | | | |
| 13 | | | | | | |
| 14 | HVAC TAPE | 4 | HVAC UNIT ON WALL | ND | NF | 20 SF |
| 15 | ↓ | | ↓ | | | |
| 16 | | | | | | |
| 17 | FOAM WALL ADHESIVE W / GRAY GLUE | 5 | INTERIOR WALL | ND | NF | 10 SF |
| 18 | ↓ | | ↓ | | | |
| 19 | | | | | | |
| CONDITION CODE | | FRIABLE CODE | | HOMOGENEOUS CODE | | QUANTITY CODE |
| ND = No Damage | D = Damaged | SD = Significantly Damaged | F = Friable | NF = Non-Friable | HA = HOMOGENEOUS AREA | SF = Square Feet |
| INSPECTION COMMENTS: | | | | | | |
| | | | | | | |
| Relinquished By: | | | | Date & Time | | |
| Shareef Abu-Ain | | | | February 19, 2024 | | |
| Received By: | | | | Date & Time | | |
| | | | | | | |

Positive-Stop Analysis?

(Circle)

Yes

No

Requested Turnaround time

(Circle)

7-Days 5-Days 3-Days

24-hrs 12-hrs 6-hrs

Other (Specify): 48-hrs

ASBESTOS Samples & Chain Of Custody Form

| Bh2oE Project # | Sampling By (License #) | Date(s) Taken | Total # Samples | Page # | of | Total Pages |
|---|--|----------------------------|---|--------------------|-----------------------|------------------|
| B24002 | Shareef Abu-Ain (10-5907) | February 19, 2024 | 43 | 3 | | 5 |
| Project Name & Location | | | Billing information: | | | |
| Project Name: IAH Airport - South Lighting Vault | | | Blue Water Environmental (Bh2oE) | | | |
| Location: 4104 Will Clayton pkwy Houston, Texas 77032 | | | 5773 Woodway Drive, Suite # 96 - Houston, Texas 77057 | | | |
| Sample Analysis: PLM - Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy | | | Lab Submitted to: | | Apex | |
| # | Material Description | HA | Location of Sample | Condition % Damage | Friable | Quantity |
| 20 | BLACK FIREPROOFING/INSULATION ON CONCRETE WALLS/DECK | 6 | SURROUNDING TURBINE | ND | F | 600 SF |
| 21 | ↓ | | ↓ | | | |
| 22 | ↓ | | ↓ | | | |
| 23 | GRAY EXTERIOR SLAB EXPANSION JOINT | 7 | EXTERIOR | D | NF | 50 SF |
| 24 | ↓ | | ↓ | | | |
| 25 | ↓ | | ↓ | | | |
| 26 | HVAC DRAIN LINE INSULATION | 8 | SUSPENDED HVAC UNIT | D | NF/F | 75 SF |
| 27 | ↓ | | ↓ | | | |
| 28 | ↓ | | ↓ | | | |
| CONDITION CODE | | FRIABLE CODE | | HOMOGENEOUS CODE | | QUANTITY CODE |
| ND = No Damage | D = Damaged | SD = Significantly Damaged | F = Friable | NF = Non-Friable | HA = HOMOGENEOUS AREA | SF = Square Feet |
| LF = Linear Feet | | | | | | |
| INSPECTION COMMENTS: | | | | | | |
| | | | | | | |
| Relinquished By: | | | | Date & Time | | |
| Shareef Abu-Ain | | | | February 19, 2024 | | |
| Received By: | | | | Date & Time | | |
| | | | | | | |

Positive-Stop Analysis?

(Circle)
 Yes No

Requested Turnaround time

(Circle)
 7-Days 5-Days 3-Days
 24-hrs 12-hrs 6-hrs
 Other (Specify): 48-hrs

ASBESTOS Samples & Chain Of Custody Form

| Bh2oE Project # | Sampling By (License #) | Date(s) Taken | Total # Samples | Page # | of | Total Pages | | | | | | | | | | | | | | | | |
|--|---------------------------------------|----------------------------|---|--------------------|-----------------------|------------------|------------------|--|--------------|--|------------------|--|---------------|--|----------------|-------------|----------------------------|-------------|------------------|-----------------------|------------------|------------------|
| B24002 | Shareef Abu-Ain (10-5907) | February 19, 2024 | 43 | 4 | | 5 | | | | | | | | | | | | | | | | |
| Project Name & Location | | | Billing information: | | | | | | | | | | | | | | | | | | | |
| Project Name: IAH Airport - South Lighting Vault | | | Blue Water Environmental (Bh2oE) | | | | | | | | | | | | | | | | | | | |
| Location: 4104 Will Clayton pkwy Houston, Texas 77032 | | | 5773 Woodway Drive, Suite # 96 - Houston, Texas 77057 | | | | | | | | | | | | | | | | | | | |
| Sample Analysis: PLM – Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy | | | Lab Submitted to: | | Apex | | | | | | | | | | | | | | | | | |
| # | Material Description | HA | Location of Sample | Condition % Damage | Friable | Quantity | | | | | | | | | | | | | | | | |
| 29 | RED EXTERIOR PENETRATION FIRE STOP | 9 | EXTERIOR PENETRATION NEAR ROOF | ND | NF | 5 SF | | | | | | | | | | | | | | | | |
| 30 | ↓ | | ↓ | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | |
| 32 | BLACK EXTERIOR PENETRATION MASTIC | 10 | EXTERIOR PENETRATION NEAR GROUND | ND | NF | 10 SF | | | | | | | | | | | | | | | | |
| 33 | ↓ | | ↓ | | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | | |
| 35 | WHITE EXTERIOR VENT CAULKING | 11 | EXTERIOR VENTS | D | NF | 20 SF | | | | | | | | | | | | | | | | |
| 36 | ↓ | | ↓ | | | | | | | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">CONDITION CODE</th> <th colspan="2">FRIABLE CODE</th> <th colspan="2">HOMOGENEOUS CODE</th> <th colspan="2">QUANTITY CODE</th> </tr> <tr> <td>ND = No Damage</td> <td>D = Damaged</td> <td>SD = Significantly Damaged</td> <td>F = Friable</td> <td>NF = Non-Friable</td> <td>HA = HOMOGENEOUS AREA</td> <td>SF = Square Feet</td> <td>LF = Linear Feet</td> </tr> </table> | | | | | | | CONDITION CODE | | FRIABLE CODE | | HOMOGENEOUS CODE | | QUANTITY CODE | | ND = No Damage | D = Damaged | SD = Significantly Damaged | F = Friable | NF = Non-Friable | HA = HOMOGENEOUS AREA | SF = Square Feet | LF = Linear Feet |
| CONDITION CODE | | FRIABLE CODE | | HOMOGENEOUS CODE | | QUANTITY CODE | | | | | | | | | | | | | | | | |
| ND = No Damage | D = Damaged | SD = Significantly Damaged | F = Friable | NF = Non-Friable | HA = HOMOGENEOUS AREA | SF = Square Feet | LF = Linear Feet | | | | | | | | | | | | | | | |
| INSPECTION COMMENTS: | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished By: | | | | Date & Time | | | | | | | | | | | | | | | | | | |
| Shareef Abu-Ain | | | | February 19, 2024 | | | | | | | | | | | | | | | | | | |
| Received By: | | | | Date & Time | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

Positive-Stop Analysis?

(Circle)
 Yes No

Requested Turnaround time

(Circle)
 7-Days 5-Days 3-Days
 24-hrs 12-hrs 6-hrs
 Other (Specify): 48-hrs

ASBESTOS Samples & Chain Of Custody Form

| Bh2oE Project # | Sampling By (License #) | Date(s) Taken | Total # Samples | Page # | of | Total Pages | |
|---|-------------------------------|----------------------------|---|--------------------|-----------------------|------------------|------------------|
| B24002 | Shareef Abu-Ain (10-5907) | February 19, 2024 | 43 | 5 | | 5 | |
| Project Name & Location | | | Billing information: | | | | |
| Project Name: IAH Airport - South Lighting Vault | | | Blue Water Environmental (Bh2oE) | | | | |
| Location: 4104 Will Clayton pkwy Houston, Texas 77032 | | | 5773 Woodway Drive, Suite # 96 - Houston, Texas 77057 | | | | |
| Sample Analysis: PLM – Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy | | | Lab Submitted to: | | Apex | | |
| # | Material Description | HA | Location of Sample | Condition % Damage | Friable | Quantity | |
| 38 | POLYURETHANE PENETRATION FOAM | 12 | BASEMENT | ND | F | 30 SF | |
| 39 | ↓ | | ↓ | | | | |
| 40 | | | | | | | |
| 41 | RUST INSULATION ON TRUSS | 13 | BASEMENT NEAR Sump Pump | D ND | F | 10 SF | |
| 42 | ↓ | | ↓ | | | | |
| 43 | ↓ | | ↓ | | | | |
| CONDITION CODE | | FRIABLE CODE | | HOMOGENEOUS CODE | | QUANTITY CODE | |
| ND = No Damage | D = Damaged | SD = Significantly Damaged | F = Friable | NF = Non-Friable | HA = HOMOGENEOUS AREA | SF = Square Feet | LF = Linear Feet |
| INSPECTION COMMENTS: | | | | | | | |
| | | | | | | | |
| Relinquished By: | | | | Date & Time | | | |
| Shareef Abu-Ain | | | | February 19, 2024 | | | |
| Received By: | | | | Date & Time | | | |
| | | | | | | | |

Appendix B

Photographic Documentation



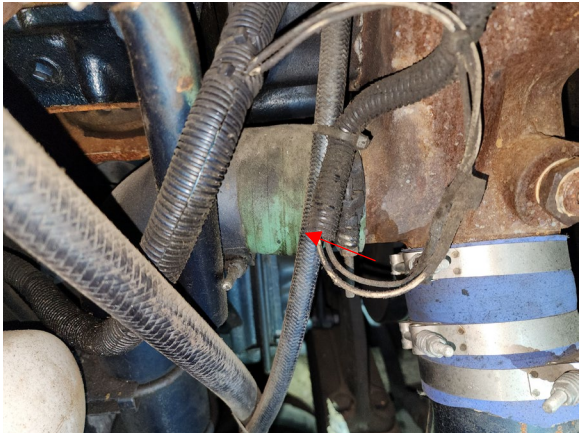
Building Exterior



HA 1: Textured/Painted White Concrete Wall



HA 2: Polyurethane Foam Roof



HA 3: Green Turbine/Generator Insulation Wrap



HA 4: HVAC Tape



HA 5: Foam Wall Adhesive w/ Gray Glue



HA 6: Black Fireproofing Insulation on Concrete



HA 7: Gray Exterior Slab Expansion Joint
(ASBESTOS DETECTED)



HA 8: HVAC Drain Line Insulation



HA 9: Red Exterior Penetration Firestop



HA 10: Black Exterior Penetration Mastic
(ASBESTOS DETECTED)



HA 11: White Exterior Vent Caulking
(ASBESTOS DETECTED)



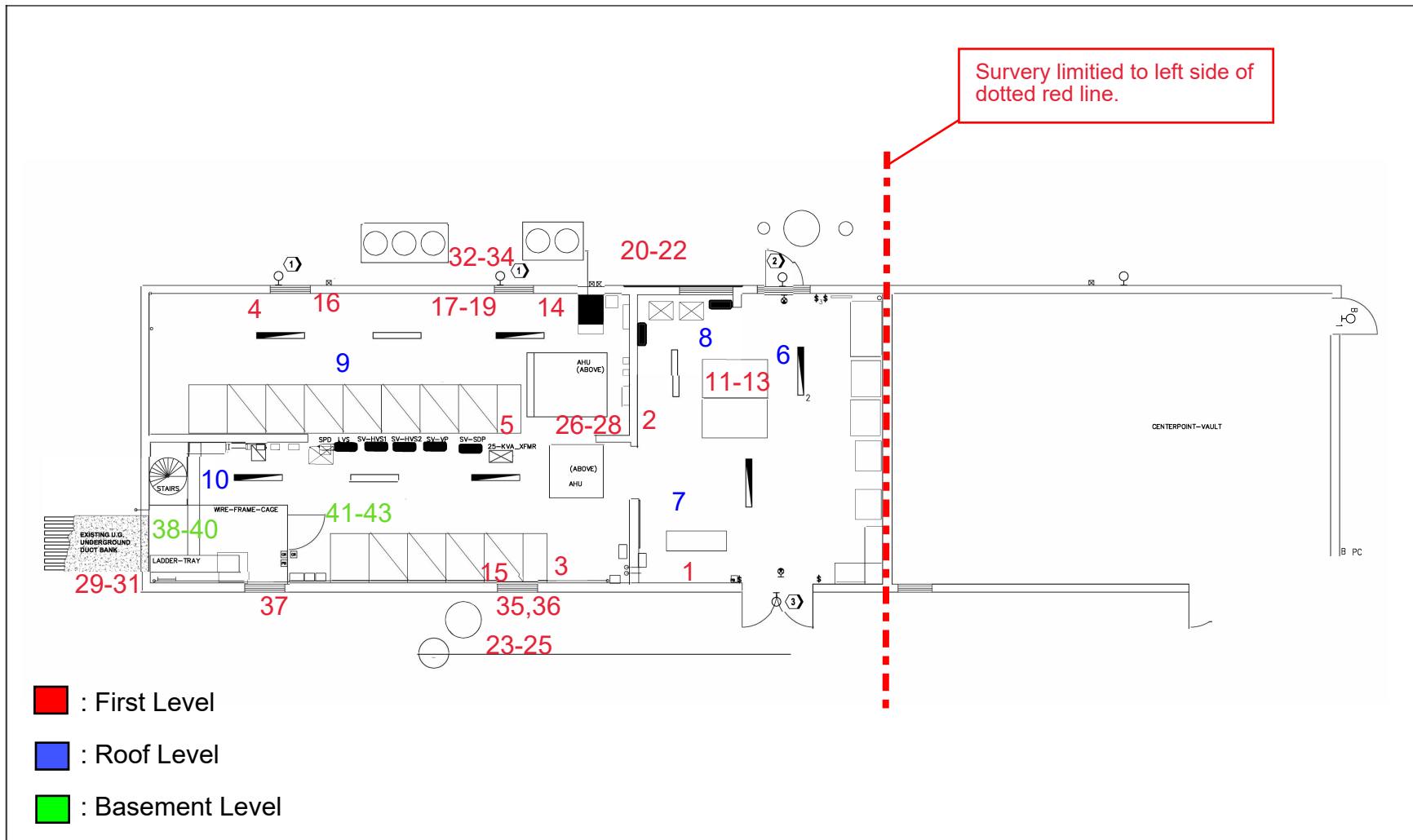
HA 12: Polyurethan Penetration Foam



HA 13: Rust/Insulation on Truss

Appendix C

Samples Location Diagram



SAMPLE LOCATION DIAGRAM



NORTH

Inspection Date
FEBRUARY 2024

Bh2oE Project Number
B24002

Bh2oE

**IAH AIRPORT
SOUTH LIGHTING VAULT**

4104 WILL CLAYTON PARKWAY
HOUSTON, TEXAS 77032

* The locations and quantities of the samples/building materials collected are approximate.

BLUE WATER ENVIRONMENTAL

Bh2oE

**LIMITED LEAD-BASED PAINT (LBP)
INSPECTION REPORT**

**FRESE AND NICHOLS - MS. MICHELLE CLEMENT
IAH SOUTH LIGHTING VAULT RENOVATION
4104 WILL CLAYTON PARKWAY
HOUSTON, TEXAS 77032**

BH2OE PROJECT NUMBER: B24002

5773 Woodway Drive, Suite 96, Houston, Texas 77057
Phone: (713) 366-6000 Fax: (713) 583-8553
E-Mail: info@bh2oe.com



5773 Woodway Drive, Suite 96
Houston, Texas 77057
Tel: (713) 366-6000
Fax: (713) 583-8553
E-mail: info@bh2oe.com

BLUE WATER ENVIRONMENTAL

February 25, 2024

Ms. Michelle Clement
Freese And Nichols, Inc.
10497 Town and Country Way, Suite 500
Houston, Texas 77024

RE: Limited Lead-Based Paint (LBP) Inspection Report
IAH South Lighting Vault Renovation
4104 Will Clayton Parkway
Houston, Texas 77032
Bh2oE Project Number: B24002

Dear Ms. Clement:

A Bh2oE representative (Shareef Abu-Ain / DSHS Inspector License # 60-3757) under the direct supervision of Sam H. Barbar (a Texas-licensed consultant, DSHS License # 10-5452) was on site on February 19, 2024; for the purpose of collecting samples of any suspect Lead-Based Paint (LBP) materials that could be disturbed due to upcoming building activities at the above referenced subject site.

All paint-chip samples collected and analyzed showed Reportable Levels of lead concentrations.

The collected paint samples were analyzed via Flame AA (atomic absorption) - USEPA SW846 7000B/3050B (Mod.) Lead Paint Chip Analysis. To follow, are the detailed samples' Descriptions:

- Sample LBP-1: Red paint on exterior metal door.
- Sample LBP-2: White paint on interior concrete wall.
- Sample LBP-3: Blue paint on turbine metal parts.
- Sample LBP-4: White paint on interior wood door.
- Sample LBP-5: Red paint on exterior gutters.

- Sample LBP-6: Black paint on basement metal stairs.

STANDARDS AND GUIDELINES

Below is a brief summary of federal and state regulations for Lead in Paint:

United States Housing and Urban Development (HUD)

LBP is defined by the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, June 1995, revised 1997 as any paint, varnish, shellac, or other coating that contains lead equal to or greater than 1.0 mg/cm² as measured by XRF or laboratory analysis; or in excess of 0.5 percent by weight (5,000 ppm, 5,000 mg/kg, or 5,000 µg/g) as measured by laboratory analysis.

OSHA Lead in Construction Standard at 29 CFR § 1926.62

The OSHA Lead Standard regulates workers in construction, demolition, and maintenance who may be occupationally exposed to lead-containing products. Lead-related construction work involves any construction, repair, painting, demolition, renovation, removal or encapsulation, alteration, installation of lead products, emergency cleanup, transportation, disposal, storage, containment, and maintenance work whereby the lead-containing material could be disturbed resulting in lead exposure.

The standard requires all employers to provide an exposure assessment for the possible exposure to lead hazards. One component of the mandatory exposure assessment involves sampling the air in the worker's breathing zone to determine lead exposure. Action Levels and Permissible Exposure Limits (AL and PEL) are established in the OSHA standard for comparison. All employers who may expose workers above the PEL of 50 micrograms per cubic meter of air (µg/m³) averaged over an eight-hour period must develop a written compliance program prior to the start of each job. The standard addresses the circumstances under which employees must wear personal protective equipment. Employers must make available medical exams for workers as well as testing for blood lead levels.

Regarding tasks involving lead-containing materials, the employer must perform an employee exposure assessment and document that the employee performing the task is not exposed above the AL of 30 µg/m³, or the employer shall treat the employee as if the employee were exposed above the PEL (50 µg/m³).

CONCLUSIONS AND RECOMMENDATIONS

Based on laboratory sample analysis result, Bh2oE recommends the following:

- **Although all LBP materials sampled were found to be below 1.0 mg/cm² (0.5% by weight), OSHA regulations apply to any level of concentrations of lead in paint.**
- This inspection was non-destructive in nature, limited only to the materials sampled and only safe areas were inspected. Therefore, if any suspect material, not sampled, is encountered during any building activities, it should be sampled and tested for possible lead in paint content by qualified personnel prior to the continuation of these activities.

- Any areas that were not accessed at the time of the site visit should be checked for suspect lead-paint materials before any renovation, demolition, and/or any activities are to take place. Sampling and assessing of the suspect materials should be conducted by qualified personnel.
- It should be noted that the OSHA lead construction standard, 29 CFR §1926.62, regulates workers involving any activity whereby lead-containing materials could be disturbed resulting in airborne lead exposure. **Therefore, any material containing lead in amounts greater than 0.0 mg/cm² should require an exposure assessment for the possible exposure to lead hazards. OSHA regulations apply to any paint material that contains lead regardless of its concentration.**
- For demolition and disposal purposes under the federal Resource Conservation and Recovery Act (RCRA) the LBPM should be tested using Toxic Characteristic Leaching Procedure (TCLP) to determine the hazardous waste classification.

LIMITATIONS

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. This company is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

This report has been prepared to assist the client. Our objective was to perform our work with care, exercising the customary skill and competence of consulting professionals in the relevant disciplines in this region. The conclusions presented in this report are professional opinions based solely upon visual observations of the site, at the time of our investigation, and the results of laboratory analysis. The opinions presented herein apply to site conditions existing at the time of our investigation and those reasonably foreseeable; they cannot necessarily apply to site changes of which this office is not aware of and has not had the opportunity to evaluate.

This report is intended for the sole use of the client. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user. **Under no circumstances is this report to be used as a bidding document or a project specification document.**

Reasonable efforts were made to obtain a representative sample of the paint and have this sample analyzed for lead-paint content. Should suspect materials be discovered during building renovation/demolition that have not been addressed, bulk samples of the material should be collected and analyzed for lead content prior to renovation and/or demolition.

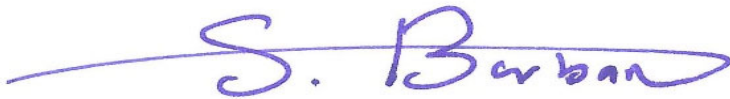
Bh2oE cannot act as insurers, and no expressed or implied representation or warrant is included or intended in our report except that our work was performed, within the limits prescribed by our clients, with the customary thoroughness and competence of our profession at the time and place the services were rendered.

The condition of any lead-based paint may change gradually or suddenly, depending upon use, maintenance, or accident. Additionally, the passage of time may result in a change in the environmental characteristics at the subject site. This report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions, and recommendations expressed in this report are based only on conditions that were observed during Bh2oE's inspection of the subject site.

Thank you for giving us the opportunity to provide you with our professional services. Should you have any questions regarding the enclosed, please feel free to contact our office at your earliest convenience. Bh2oE staff is available for your immediate assistance around the clock.

Sincerely,

For: Blue Water Environmental (Bh2oE)

A handwritten signature in blue ink that reads "S. Barbar". The signature is written in a cursive style with a long horizontal line extending to the left of the first letter.

Sam H. Barbar, *BSC*, *BSE*
Texas Consultant License # 10-5452

Appendix A
Laboratory Sample Analysis Results
&
Chain Of Custody

Lead Analysis Report

Date: February 21, 2024

Blue Water Environmental

Report: 7924-0647
B24002 / IAH Airport – South Lighting Vault /
4104 Will Clayton Pkwy., Houston, Texas

This analysis was performed by an outside laboratory and this document shall be considered a duly signed original report of the results obtained. All analyses are done within government guidelines and regulations.

A handwritten signature in black ink, appearing to read 'GRS', is positioned above a horizontal line.

Gary R. Simmons
Laboratory Manager

Lab Comments on Project: N/A

Eurofins Built Environment Testing

3113 Red Bluff Road Pasadena, Texas 77503

Phone: (713) 290-0223 – Fax: (832) 831-5669

www.EurofinsBuiltEnv.com**Built Environment Testing****Lead in Paint Performed by
Flame AA – USEPA SW846 7000B/3050B (Mod.)**

Gary Simmons
 APASI Lab
 306 West Edgewood Dr., Suite D
 Friendswood, TX 77546

Order #: 3547306
 Project #: 7924-0647
 Receipt Date: 21-Feb-2024
 Analysis Date: 21-Feb-2024
 Report Date: 21-Feb-2024

7924-0647

| SAMPLE ID | PAINT COLOR | LEAD CONCENTRATION (ppm) | LEAD CONCENTRATION (%) |
|-----------|-------------|--------------------------|------------------------|
| LBP-1 | Red | < 50 | < 0.005% |
| LBP-2 | White | < 50 | < 0.005% |
| LBP-3 | Blue | 2600 | 0.26% |
| LBP-4 | White | < 50 | < 0.005% |
| LBP-5 | Red | 100 | 0.01% |
| LBP-6 | Black | 750 | 0.075% |

Reporting Limit = 50.0 ppm N/A = Not Applicable
 INS = Insufficient Sample Weight NS = Not Submitted

Analyst: Joseph Martinez**Scott Ward, Ph.D. Lab Director**

Results apply to the sample as received and relate only to the items tested. The analysis has been conducted according to the method(s) listed above. Blank corrections are not applied to data unless requested by the customer. This report is for the exclusive use of the addressed customer and shall not be reproduced except in full without written approval by Eurofins J3 Resources, Inc. (EJ3). EJ3 is an EPA NLLAP recognized lab by the AIHA-LAP, LLC ELLAP (Lab ID: 157714). Unless otherwise noted, all quality control samples performed within specifications established by the laboratory. The estimated accuracy is solely based on recovery data from internal laboratory control samples at the 95% confidence interval (k = ~2) of the level of concern, derived from a 336.9 mg/Kg lead in paint certified reference material. The estimated accuracy does not account for uncertainty associated with the sampling process. Accuracy = +/-13%

Positive-Stop Analysis?

(Circle)

Yes No

Requested Turnaround time

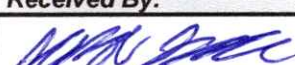
(Circle)

7-Days 5-Days 3-Days

24-hrs 12-hrs **6-hrs**

Other (Specify): 48-hrs

Lead-Based Paint Samples & Chain Of Custody Form

| Bh2oE Project # | Sampling By (License #) | Date(s) Taken | Total # Samples | Page # | of | Total Pages |
|---|------------------------------|--|---|--------------------|------------------------|------------------|
| B24002 | Shareef Abu-Ain (10-5907) | February 19, 2024 | 6 | 1 | | 1 |
| Project Name & Location | | | Billing information: | | | |
| Project Name: IAH Airport - South Lighting Vault | | | Blue Water Environmental (Bh2oE) | | | |
| Location: 4104 Will Clayton pkwy Houston, Texas 77032 | | | 5773 Woodway Drive, Suite # 96 - Houston, Texas 77057 | | | |
| Sample Analysis: | | | Lead Analysis - By NIOSH 7300 Method | | Lab Submitted to: Apex | |
| # | Material Description | HA | Location of Sample | Condition % Damage | | Quantity |
| LBP-1 | RED METAL DOOR | 1 | EXTERIOR | F | | 40 SF |
| LBP-2 | WHITE INTERIOR CONCRETE WALL | 2 | INTERIOR | F | | 3,200 SF |
| LBP-3 | BLUE TURBINE (METAL) | 3 | INTERIOR | I | | 100 SF |
| LBP-4 | WHITE WOOD DOOR | 4 | INTERIOR | I | | 40 SF |
| LBP-5 | RED GUTTER | 5 | EXTERIOR | I | | 50 SF |
| LBP-6 | BLACK METAL BASEMENT STAIRS | 6 | BASEMENT | I | | 100 SF |
| CONDITION CODE | | FRIABLE CODE | HOMOGENEOUS CODE | QUANTITY CODE | | |
| I = Intact | | | HA = HOMOGENEOUS AREA | SF = Square Feet | | LF = Linear Feet |
| INSPECTION COMMENTS: | | (South) Samples collected from portion of vault not operated by CenterPoint. - Sampled dates include: Feb. 16 & 19, 2024 | | | | |
| Relinquished By: | | | Date & Time | | | |
| Shareef Abu-Ain | | | February 19, 2024 | | | |
| Received By: | | | Date & Time | | | |
|  | | | 2/19/24 1645 | | | |

Appendix B

Photographic Documentation



Building Exterior – Sample 1 (Red Door)



Sample 2 – White (Concrete) Wall



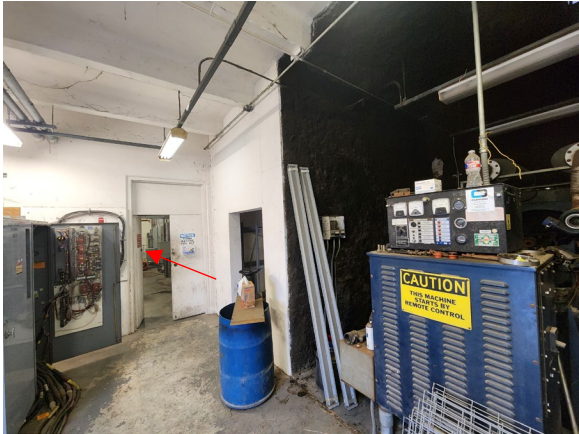
Sample 3 – Blue Generator near Turbine



Sample 4 – White (Wood) Door



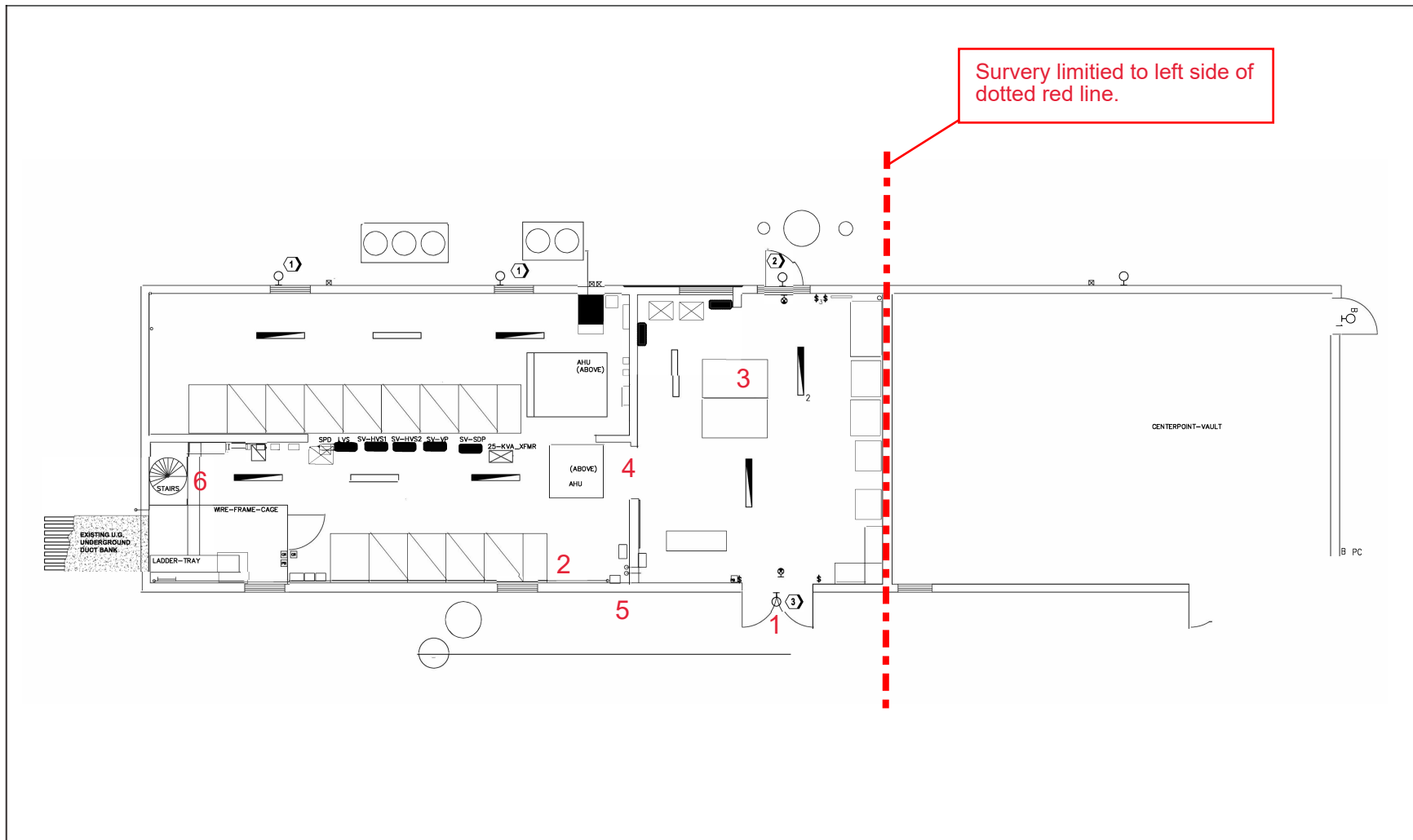
Sample 5 – Red Gutter



Sample 6 – Black Metal Basement Stairs

Appendix C

Samples Location Diagram



SAMPLE LOCATION DIAGRAM



NORTH

Inspection Date
FEBRUARY 2024

Bh2oE Project Number
B24002

Bh2oE

**IAH AIRPORT
SOUTH LIGHTING VAULT**

4104 WILL CLAYTON PARKWAY
HOUSTON, TEXAS 77032

* The locations and quantities of the samples/building materials collected are approximate.



Federal Aviation Administration

Memorandum

Date: February 06, 2024

To: Point of Contact, Texas ADO

From: Environmental Protection Specialist, Texas ADO, ASW-652E

Sara Oriszi

Subject: Environmental Determination, Categorical Exclusion for
George Bush Intercontinental Airport, Houston, TX

Houston Airport System (HAS) is proposing to fund the replacement of existing generators as part of the rehabilitation of the South Vault at George Bush Intercontinental Airport (IAH). The proposed improvement to the existing South Vault involves the full replacement of all electrical equipment, including Constant Current Regulators (CCRs) within the South Vault and the Airfield Lighting Control and Monitoring System (ALCMS). These items are responsible for powering the airfield lighting circuits. The sponsor is required to submit additional environmental analysis for FAA's review and NEPA determination before construction.

The project scope for rehabilitation of the existing South Vault involves the full replacement of all electrical equipment, including CCRs within the South Vault and the ALCMS. These items are responsible for powering the airfield lighting circuits. Project elements include:

- Existing building and electrical systems will be repaired and rehabilitated.
- Permanent generator & new above ground diesel storage tank installed adjacent to existing building footprint.
- Bullet resistant Construction Masonry Unit (CMU) wall surrounding the generator and diesel storage tank.
- New service yard designed to be bullet resistant to min. UL 752 Level 4, required by FAA regulations.
- New air-cooled condensers in a separate yard.
- New main switchgear and 2 automatic transfer switches.
- Building security system brought up to current HAS standards.

Prior to a federal action, such as funding of an Airport Improvement Program (AIP) Grant/Bipartisan Infrastructure Law (BIL) or revision to the Airport Layout Plan, FAA is required to make an environmental determination addressing the impacts of the proposed project. This project would be funded with AIP/BIL grant and, therefore, requires an environmental determination to support the federal action.

FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures* provides eligibility for the Categorical Exclusion of Federal actions that do not individually or cumulatively have a significant effect on the human environment, with the exception of extraordinary circumstances. Paragraph 5-6.3(g) of Order 1050.1F provides eligibility for categorical exclusion for the above-named project and states the following:

5-6.3(g) *Replacement or upgrade of power and control cables for existing facilities and equipment, such as airfield or approach lighting systems (ALS), commercial space launch site lighting systems, visual approach aids, beacons, and electrical distribution systems as described in FAA Order 6850.2, Visual Guidance Lighting Systems, or airport surveillance radar (ASR), commercial space launch site surveillance radar, Instrument Landing System (ILS), and Runway Visual Range (RVR). (ATO)*

Paragraph 5-6.4(u) of Order 1050.1F provides eligibility for categorical exclusion for the above-ground diesel storage tank associated with this project and states the following:

5-6.4(u) *Approval of an Airport Layout Plan (ALP) for installation of on-airport, aboveground storage tanks or underground storage tanks (USTs) on airport property or FAA installation, repair, or replacement of USTs and aboveground storage tanks at FAA facilities. These actions must comply with FAA Order 1050.15, Fuel Storage Tanks at FAA Facilities, and EPA regulations, 40 CFR parts 112, 280, and 281, as applicable. This CATEX includes the closure and removal of a fuel storage tank, and remediation of contaminants resulting from a fuel storage tank at an FAA facility or on an airport, provided those actions occur in accordance with the order and the regulations noted above. The establishment of bulk fuel storage and associated distribution systems is not within the scope of this CATEX. Those actions are subject to Paragraph 3-1.2.b.(5) of this Order. (ATO, ARP)*

Houston is located in a severe non-attainment area for Ozone. Emissions from construction would be minimal and are estimated to be well below the *de minimis* threshold of Ozone precursors: 25 tons per year for Nitrogen Oxides (NOx) and Volatile Organic Compounds (VOCs). Operational emissions will not change as a result of the proposed project.

A review of the proposed project supports the conclusion that there are no extraordinary circumstances associated with the project. Consequently, this project is categorically excluded from further environmental action.

Although the FAA has made an environmental determination for this project, there may be other state, local or federal environmental regulations that apply to this project. The sponsor should consider these other requirements before construction.

South Vault and the Airfield Lighting Control and Monitoring System (ALCMS)

George Bush Intercontinental Airport (IAH) – PN952

Categorical Exclusion Documentation

Table of Contents

Background

Applicability

Project Description and Timeframe

Purpose and Need

Potential Extraordinary Circumstances

Air Quality

Coastal Resources

Compatible Land Use

Construction

Department of Transportation Act: Section 4(f)

Farmland

Fish, Wildlife, and Plants

Solid Waste and Hazardous Materials

Historic, Archaeological, and Cultural Resources

Light Emissions and Visual Impacts

Natural Resources, Energy Supply and Sustainability Design

Noise

Socioeconomic and Secondary Impacts

Water Quality

Wetlands and Floodplains

Attachments:

Exhibit A – General Location of Project at IAH

Exhibit B – Project Area

Exhibit C – USFWS Threatened and Endangered Species Documentation

Exhibit D – Cultural Resource Documentation

Exhibit E – IAH Floodplains

Background

The proposed improvement to the existing South Vault involves the full replacement of all electrical equipment, including Constant Current Regulators (CCRs) within the South Vault and the Airfield Lighting Control and Monitoring System (ALCMS). These items are responsible for powering the airfield lighting circuits. The general location of the South Vault at George Bush Intercontinental Airport (IAH) is shown on **Exhibit A**.

Applicability

FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures* provides eligibility for the Categorical Exclusion of Federal actions that do not individually or cumulatively have a significant effect on the human environment, with the exception of extraordinary circumstance. Chapter **5-6.3. Categorical Exclusions for Equipment and Instrumentation** of Order 1050.1F includes the list of CATEXs for FAA actions involving installation, repair, or upgrade of equipment or instruments necessary for operations and safety. *An action included within this list of categorically excluded actions is not automatically exempted from environmental review under NEPA. The responsible FAA official must also review Paragraph 5-2, Extraordinary Circumstances, before deciding to categorically exclude a proposed action.* Paragraph 5-6.3(g) of Order 1050.1F provides eligibility for categorical exclusion for the above-named project and states the following:

5-6.3(g) *Replacement or upgrade of power and control cables for existing facilities and equipment, such as airfield or approach lighting systems (ALS), commercial space launch site lighting systems, visual approach aids, beacons, and electrical distribution systems as described in FAA Order 6850.2, Visual Guidance Lighting Systems, or airport surveillance radar (ASR), commercial space launch site surveillance radar, Instrument Landing System (ILS), and Runway Visual Range (RVR). (ATO)*

Chapter **5-6.4. Categorical Exclusions for Facility Siting Construction, and Maintenance** of Order 1050.1F includes the list of CATEXs for FAA actions involving acquisition, repair, replacement, maintenance, or upgrading of grounds, infrastructure, buildings, structures, or facilities that generally are minor in nature. *An action included within this list of categorically excluded actions is not automatically exempted from environmental review under NEPA. The responsible FAA official must also review Paragraph 5-2, Extraordinary Circumstances, before finalizing a decision to categorically exclude a proposed action.* Paragraph 5-6.4(u) of Order 1050.1F provides eligibility for categorical exclusion for the above-ground diesel storage tank associated with this project and states the following:

5-6.4(u) *Approval of an Airport Layout Plan (ALP) for installation of on-airport, aboveground storage tanks or underground storage tanks (USTs) on airport property or FAA installation, repair, or replacement of USTs and aboveground storage tanks at FAA facilities. These actions must comply with FAA Order 1050.15, Fuel Storage Tanks at FAA Facilities, and EPA regulations, 40 CFR parts 112, 280, and 281, as applicable. This CATEX includes the closure and removal of a fuel storage tank, and remediation of contaminants resulting from a fuel storage tank at an FAA facility or on an airport, provided those actions occur in accordance with the order and the regulations noted above. The establishment of bulk fuel storage and associated distribution systems is not within the scope of this CATEX. Those actions are subject to Paragraph 3-1.2.b.(5) of this Order. (ATO, ARP)*

Additionally, the replacement of existing generators supporting the South Utility Vault is being funded by FAA via an anticipated \$10,000,000 FY-2022 Supplemental Appropriation, Airport Improvement Program (AIP) Grant. Prior to a federal action, such as funding of an AIP Grant, FAA is required to make an environmental determination addressing the impacts of the proposed project. This project therefore requires an environmental determination to support the anticipated federal action.

Project Location, Description and Time Frame

The South Vault Rehabilitation project is associated with IAH Runway 9/27. The existing vault is located north of the Sierra Bravo taxiway, and east of Sierra Foxtrot taxiway where it passes over Will Clayton Boulevard. It is adjacent to and immediately south of the boulevard (**Exhibit B**).

The project scope for rehabilitation of the existing South Vault involves the full replacement of all electrical equipment, including CCRs within the South Vault and the ALCMS. These items are responsible for powering the airfield lighting circuits. Project elements include:

- Existing building and electrical systems will be repaired and rehabilitated.
- Permanent generator & new above ground diesel storage tank installed adjacent to existing building footprint.
- New bullet-resistant Construction Masonry Unit (CMU) wall surrounding the generator and diesel storage tank.
- New service yard designed to be bullet resistant to min. UL 752 Level 4, required by FAA regulations.
- New air-cooled condensers in a separate yard.
- New main switchgear and 2 automatic transfer switches.
- Building security system brought up to current HAS standards.

As indicated, a new above ground diesel storage tank will be installed adjacent to the existing building footprint. The proposed location of this tank is also shown in **Exhibit B**. The tank and generator will be surrounded by a CMU wall with a height that exceeds that of the generator, providing protection for the generator and diesel storage tank.

The South Vault Rehabilitation project is currently under design development with an anticipated delivery of the 30% design package in November 2023. Final design is expected in October 2024 followed by the preparation of bid solicitation documents in the fourth quarter of 2024.

Purpose and Need

The purpose and need of the project are the rehabilitation of the existing South Vault with the full replacement of all electrical equipment, including CCRs and the ALCMS. These items are responsible for powering the airfield lighting circuits.

Potential Extraordinary Circumstances

Consistent with Council on Environmental Quality (CEQ) Regulations, Chapter 5-2 of FAA Order 1050.1F provides guidance on the consideration of extraordinary circumstances. Extraordinary circumstances are factors or circumstances in which a normally categorically excluded action may have a significant environmental impact that then requires further analysis in an EA or an EIS. For FAA proposed actions,

extraordinary circumstances exist when the proposed action meets both of the following criteria (see 40 CFR § 1508.4, CEQ Regulations):

- (1) Involves any of the circumstances described in Subparagraph b of the Chapter; and
- (2) May have a significant impact (see 40 CFR § 1508.4, CEQ Regulations).

An impact involving one or more of the circumstances described in Subparagraph b of Chapter 5-2 in connection with a proposed action does not require the preparation of an EA or EIS unless the additional determination is made that the proposed action may have a significant environmental impact (i.e., that the circumstances rise to the level of extraordinary circumstances).

The rehabilitation of the existing South Vault with the full replacement of all electrical equipment for powering the airfield lighting circuits does not include any extraordinary circumstances that would preclude the proposed action from being categorically excluded.

Air Quality

According to the EPA, Houston is in severe non-attainment for ozone. This nonattainment status means that the *de minimis* emissions level (below which an action is presumed to conform to the State Implementation Plan (SIP)) for ozone precursors, is 25 tons per year. Ozone precursors consist of hydrocarbons (HC) and nitrogen oxides (NO_x). The following assessment of potential air quality impacts addresses emissions from the operation of the stationary sources that would be affected by the proposed improvements, effects on mobile sources such as aircraft and surface vehicles, and construction.

- **Stationary Sources.** The project is not anticipated to increase air emissions.
- **Mobile Sources.** The proposed project would not affect passenger, aircraft, or vehicular activity, would not increase congestion and delay, and therefore would not increase air emissions from the operation of aircraft or surface vehicles. There would also be no construction equipment impacts.
- **Construction.** Construction of the proposed project would not cause temporary noise and minor air quality impacts. Given the noise from existing operations (taxiing, arrivals, and departures) no measurable increase in annual average day-night noise levels (DNL) are anticipated from construction equipment. The very limited amount of heavy vehicle activity would not exceed the *de minimis* levels discussed above.

Coastal Resources

According to the Texas Coastal Management Program, IAH is not located within the coastal zone, therefore, no coastal resources would be impacted by the proposed project.

Compatible Land Use

The proposed project would not alter aircraft noise levels or increase non-compatible land use. The project is located on airport property, on previously developed, predominately paved land and would not disrupt off-airport land uses. The project involves rehabilitation of the South Vault within the footprint of the existing structure.

Construction

Construction of the proposed project would not cause temporary noise and minor air quality impacts. Trucks transporting the equipment to the site would use heavily travelled highways that currently experience substantial truck traffic. Given the noise from existing aircraft operations (taxiing, arrivals, and departures) no measurable increase in annual average day-night noise levels (DNL) are anticipated from construction equipment.

Department of Transportation Act: Section 4(f)

The proposed project would be located completely on airport property and would not impact DOT Section 4(f) (re-codified as 49 U.S.C. §303 and 23 U.S.C. §138) resources.

Farmland

The proposed project would be located completely on airport property previously disturbed, predominantly paved land. The proposed project is not located on prime or unique farmland.

Fish, Wildlife, and Plants (Including Threatened and Endangered Species and Migratory Bird Act)

The United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) report for IAH Sierra Bravo Taxiway, approximately 330 feet directly south of the project area was completed on November 11, 2022 (**Exhibit C**). The IPaC lists six species that have the potential to occur in the project area. However, there is no suitable habitat available for any listed species within the project area. Therefore, the project will have No Effect on any federal listed species. Additionally, the project does not have the potential to take birds protected by the Migratory Bird Treaty Act.

Solid Waste and Hazardous Materials

Solid waste related to the proposed action would consist of construction related wastes. These project related wastes will be stored, transported, and disposed of in accordance with applicable federal, state, and local regulatory requirements.

No hazardous materials are associated with the proposed project, and it is considered unlikely that hazardous contamination would be excavated given the area has been previously disturbed. Should any areas containing possible hazardous contamination be discovered during construction, these materials will be handled and disposed of according to applicable federal, state, and local regulations and guidance.

Historic, Archaeological, and Cultural Resources

The existing South Vault was constructed in the late-1990s and is not historic-age. However, for the purposes of this review, HAS is able to cite an Area of Potential Effect (APE) that was established for the Taxiways SA-SB project in the immediate vicinity (330 feet directly south) of this project. A cultural resources file review was conducted by a Registered Professional Archeologist utilizing the Texas Historical Commission Historic Sites Atlas (THC Atlas) in order to identify any previously-identified historic resources including cemeteries, historic-age properties listed on or eligible for the National Register of Historic Places (NRHP) and/or designation as a State Antiquities Landmark (SAL),

Neighborhood Survey properties, Recorded Texas Historic Landmarks (RTHL), and Official Texas Historical Markers (OTHM). Historic aerial photographs and maps were also reviewed. The record search indicated that no previously identified historic resources are located within or adjacent to the APE of the taxiways and the same can be concluded for the location of the South Vault project. The Cultural Resource documentation for the taxiways, which is applicable to the South Vault project, is included in **Exhibit D**.

Light Emissions and Visual Impacts

The proposed project would not involve lighting directed off of the airport or material changes in the visual characteristics of the project area. No adverse effects are expected.

Natural Resources, Energy Supply and Sustainable Design

The proposed project would not increase aircraft or passenger activity levels and would not, therefore, increase demand for natural resources or energy. Construction of the project would not require unusual materials or materials in short supply. Sustainable design practices, such as the use of recycled construction materials, will be incorporated in the construction process.

Noise

The proposed project would not increase aircraft or passenger activity levels or otherwise alter the nature of aircraft activity. In addition, because the proposed project would be centrally located on the airport far from the closest residential area, construction activity would not cause significant off-airport noise impacts (see also the previous discussion of construction impacts).

Socioeconomic and Secondary Impacts

As noted above, the project would not increase runway capacity or lead to increased aviation activity that might induce further development. The project would be contained entirely on Airport property and would not alter patterns of population movement and growth or change business or economic activity.

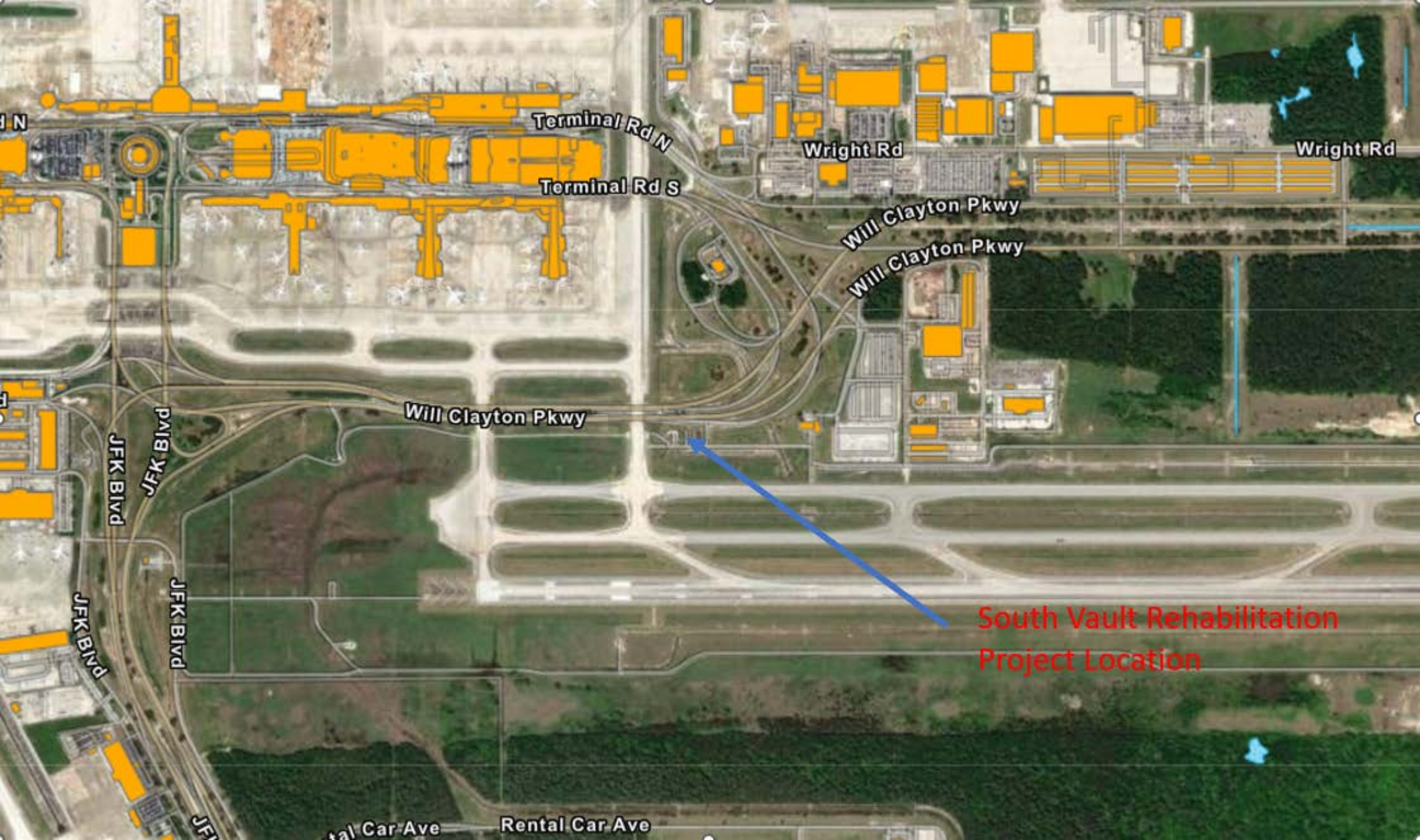
Water Quality

The proposed project will not affect any existing road or taxiway pavement or affect the impervious surface on the airport. Construction of the proposed action will comply with all Texas Pollutant Discharge Elimination System (TPDES) permit requirements for storm water discharges associated with construction activities.

Wetlands and Floodplains

No wetlands are present in the project area. The project area is not within a floodplain area. **Exhibit E** displays the proximity of the 100- and 500-year floodplains to the project area.

Exhibit A
General Location of Project at IAH



Terminal Rd N

Terminal Rd S

Wright Rd

Wright Rd

Will Clayton Pkwy

Will Clayton Pkwy

Will Clayton Pkwy

JFK Blvd

JFK Blvd

JFK Blvd

JFK Blvd

Rental Car Ave

Rental Car Ave

South Vault Rehabilitation
Project Location

Exhibit B
Project Area

PN952 - South Vault Rehab

Approx Location for Above Ground Diesel Storage Tank.

SF

SB

Exhibit C
USFWS Threatened and Endangered Species Documentation
(Taken from IAH Twy SA-SB Rehabilitation and Upgrade CATEX)



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Texas Coastal Ecological Services Field Office
17629 El Camino Real, Suite 211
Houston, TX 77058-3051
Phone: (281) 286-8282 Fax: (281) 488-5882

In Reply Refer To:
Project Code: 2023-0015077
Project Name: HAS IAH Taxiways SA-SB Rehabilitation Project

November 11, 2022

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The U.S. Fish and Wildlife Service (Service) field offices in Clear Lake, Tx, and Corpus Christi, Tx, have combined administratively to form the Texas Coastal Ecological Services Field Office. A map of the Texas Coastal Ecological Services Field Office area of responsibility can be found at: <http://www.fws.gov/southwest/es/TexasCoastal/Map.html>. All project related correspondence should be sent to the field office responsible for the area in which your project occurs. For projects located in southeast Texas please write to: Field Supervisor; U.S. Fish and Wildlife Service; 17629 El Camino Real Ste. 211; Houston, Texas 77058. For projects located in southern Texas please write to: Field Supervisor; U.S. Fish and Wildlife Service; P.O. Box 81468; Corpus Christi, Texas 78468-1468. For projects located in six counties in southern Texas (Cameron, Hidalgo, Starr, Webb, Willacy, and Zapata) please write: Santa Ana NWR, ATTN: Ecological Services Sub Office, 3325 Green Jay Road, Alamo, Texas 78516.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and

implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities

that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
 - Migratory Birds
 - Wetlands
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Texas Coastal Ecological Services Field Office

17629 El Camino Real, Suite 211

Houston, TX 77058-3051

(281) 286-8282

Project Summary

Project Code: 2023-0015077

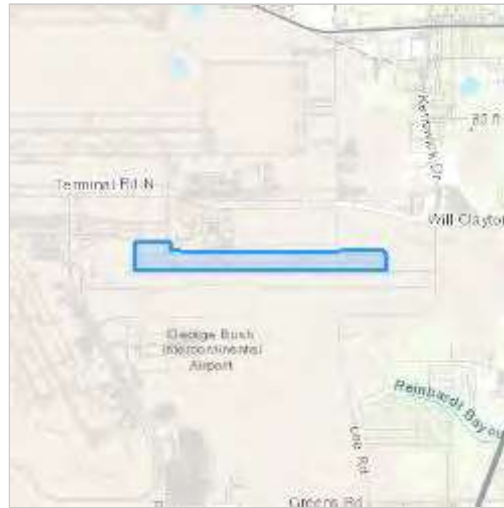
Project Name: HAS IAH Taxiways SA-SB Rehabilitation Project

Project Type: Airport - Maintenance/Modification

Project Description: Houston Airport System - George Bush Intercontinental Airport

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@29.979442300000002,-95.31825521004058,14z>



Counties: Harris County, Texas

Endangered Species Act Species

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 2 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Birds

| NAME | STATUS |
|--|------------|
| Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10477 | Threatened |
| Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is final critical habitat for this species. Your location does not overlap the critical habitat. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> ▪ Wind related projects within migratory route. Species profile: https://ecos.fws.gov/ecp/species/6039 | Threatened |
| Red Knot <i>Calidris canutus rufa</i> There is proposed critical habitat for this species. This species only needs to be considered under the following conditions: <ul style="list-style-type: none"> ▪ Wind related projects within migratory route. Species profile: https://ecos.fws.gov/ecp/species/1864 | Threatened |
| Whooping Crane <i>Grus americana</i> Population: Wherever found, except where listed as an experimental population There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/758 | Endangered |

Insects

| NAME | STATUS |
|--|-----------|
| Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743 | Candidate |

Flowering Plants

| NAME | STATUS |
|--|------------|
| Texas Prairie Dawn-flower <i>Hymenoxys texana</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6471 | Endangered |

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

-
1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern \(BCC\)](#) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

| NAME | BREEDING SEASON |
|---|------------------------|
| American Kestrel <i>Falco sparverius paulus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9587 | Breeds Apr 1 to Aug 31 |
| Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. | Breeds Sep 1 to Jul 31 |

| NAME | BREEDING SEASON |
|---|-------------------------|
| Brown-headed Nuthatch <i>Sitta pusilla</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA | Breeds Mar 1 to Jul 15 |
| Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds Mar 15 to Aug 25 |
| Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679 | Breeds elsewhere |
| Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. | Breeds May 10 to Sep 10 |
| Swallow-tailed Kite <i>Elanoides forficatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8938 | Breeds Mar 10 to Jun 30 |

Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence

in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

- The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

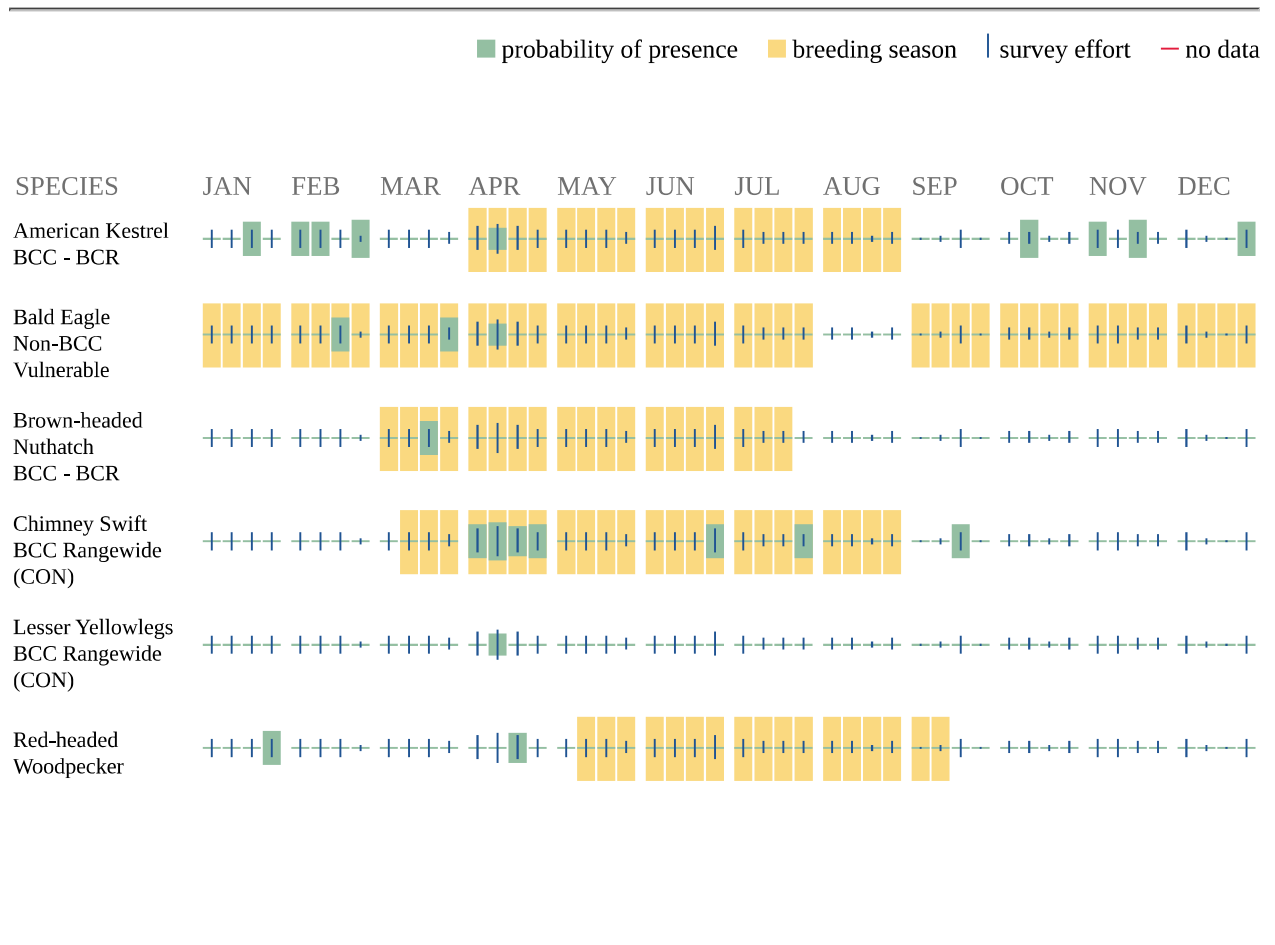
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

No Data (-)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



BCC Rangewide
(CON)

Swallow-tailed Kite
BCC Rangewide
(CON)



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

Migratory Birds FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Wetlands

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

RIVERINE

- [Riverine](#)
-

IPaC User Contact Information

Agency: Federal Aviation Administration

Name: Jacqueline Prescott

Address: 10605 Grant Road, Suite 106

City: Houston

State: TX

Zip: 77070

Email: jprescott@cypressec.com

Phone: 7135511112

EFH Mapper Report

EFH Data Notice

Essential Fish Habitat (EFH) is defined by textual descriptions contained in the fishery management plans developed by the regional fishery management councils. In most cases mapping data can not fully represent the complexity of the habitats that make up EFH. This report should be used for general interest queries only and should not be interpreted as a definitive evaluation of EFH at this location. A location-specific evaluation of EFH for any official purposes must be performed by a regional expert. Please refer to the following links for the appropriate regional resources.

Query Results

Degrees, Minutes, Seconds: Latitude = , Longitude =

Decimal Degrees: Latitude = , Longitude =

The query location intersects with spatial data representing EFH and/or HAPCs for the following species/management units.

EFH

No Essential Fish Habitats (EFH) were identified at the report location.

Salmon EFH

No Pacific Salmon Essential Fish Habitat (EFH) were identified at the report location.

HAPCs

No Habitat Areas of Particular Concern (HAPC) were identified at the report location.

EFH Areas Protected from Fishing

No EFH Areas Protected from Fishing (EFHA) were identified at the report location.

Exhibit D
Cultural Resources Documentation
(Taken from IAH Twy SA-SB Rehabilitation and Upgrade CATEX)

November 14, 2022

Ms. Kim Tourloukis
Houston Airport System
111 Standifer Street
Humble, Texas 77338

**Subject: Cultural Resources File Review
George Bush Intercontinental Airport (IAH)
Taxiway SA & SB Rehabilitation Project
Houston Airport System
Houston, Harris County, Texas 77032**

Dear Ms. Tourloukis,

Cypress Environmental Consulting LLC (CEC) has examined the project area for the proposed Houston Airport System (HAS) George Bush Intercontinental Airport (IAH) Taxiway SA & SB Rehabilitation Project located in Houston, Harris County, Texas 77032 (hereafter referred to as project area). The project area has been reviewed with reference to the State of Texas Archeological Site (Atlas) files, previous archeological investigations, geology and soil classification, topography, historic imagery, and possible tract disturbances. The review was performed to provide cultural resources due diligence for project planning and assess the probability of encountering cultural resources within the project area of potential effect (APE).

If an undertaking is federally permitted, licensed, funded, or partially funded, the project must comply with Section 106 of the National Historic Preservation Act of 1966 (NHPA), as amended. Section 106 requires that every federal agency consider the undertaking's effects on historic properties. The process begins with a historic properties inventory and evaluation. Pursuant to 36 CFR Part 800.2(c)(1)(i) and 36 CFR Part 800.3(c), initiation of the Section 106 process involves identification of proper consulting parties including, but not limited to, the State Historic Preservation Officer (SHPO). In Texas, this role belongs to the Executive Director of the Texas Historical Commission (THC). As provided by Texas Natural Resources Code, §§191.0525, the Antiquities Code of Texas (ACT) requires that any state agencies or political subdivisions of the state notify the THC involving ground-disturbing activities on state or local public lands, political subdivisions of the state, and of work affecting state owned historic buildings (THC 2022a).

At this time, it is CEC's understanding that the project has a federal nexus, and the APE is located within publicly owned property. Therefore, the project must comply with both Section 106 of the NHPA and the ACT.

Project Overview

The APE is comprised of 184.4 acres of land located at the IAH in Houston, Harris County, Texas 77032. According to the Harris County Appraisal District (HCAD), the APE is comprised of three (3) parcels owned by the City of Houston and is centered at the approximate coordinates 29.979031° N, -95.319206° W (HCAD 2022; **Figure 1**).

The APE is located on the *Humble, Texas* USGS topographic quadrangle sheet and depicts the general elevation of the property to have a slight slope to the east. Elevations range between 90 feet above mean sea level (AMSL) at the west end to 85 feet AMSL at the east end. The APE is depicted within the George Bush Intercontinental Airport as developed with two taxiways separated by 11 maintained

grass-covered medians with two drainage ditches (**Figure 2** and **Figure 3**). The proposed project activities include milling and overlaying the existing asphalt for both taxiways and shoulder pavement, asphalt shoulder widening and construction, and associated replacement of taxiway lights, new airfield signs, and drainage improvements to accommodate widened shoulders. The maximum depth of excavation for the proposed construction is assumed to be a minimum of 3 feet below ground level and this depth is expected to be culturally significant.

Geology and Soils

According to the Geologic Map of Texas (Barnes 1992) and the USGS Geological Atlas of Texas (GAT), the APE is situated within the Lissie Formation geologic rock unit in Texas (USGS 2022). The geologic formation is of Quaternary period, Holocene and Pleistocene age. It is characterized as being predominantly clay, silt, sand, and siliceous gravel of granule and small pebble size. It contains concretions of calcium carbonate, iron oxide, and iron-manganese oxides in the zone of weathering. The surface is fairly flat and featureless, except for numerous rounded shallow depressions and pimple mounds. These are separated by areas of noncalcareous iron oxide concentrations more abundant in the upper part which are fluviatile with a very gently rolling thickness. This geological unit has a thickness of approximately 200 feet.

Based on information from the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) web soil survey database, there are two (2) mapped soil types present within the APE, mainly Clodine-Urban land complex, 0 to 1 percent slopes and Wockley fine sandy loam, 0 to 1 percent slopes (NRCS 2022). The Clodine series consists of very deep, somewhat poorly drained, moderately permeable soils that formed in loamy sediments of the Lissie Formation of Pleistocene age. These nearly level soils occur on flats on coastal plains. Slopes range from 0 to 1 percent but are mainly less than 0.3 percent. The Wockley series consists of very deep, somewhat poorly drained, moderately slow permeable soils. These nearly level soils formed in loamy sediments from the Willis Formation of late Pliocene age. Slopes range from 0 to 3 percent but is dominantly from 0.1 to 0.5 percent. The Urban Land designation signals that these soils have been heavily impacted by development and have been altered either by the removal of soil horizons or the deposit of fill (**Figure 4**).

Consultation with the Houston Potential Archaeology Liability Map (PALM) depicts the project area within two survey units (**Figure 5**). This includes:

- Map Unit 2 - Surface Survey Recommended, No Deep Reconnaissance Recommended, and
- Map Unit 4 - No Survey Recommended.

Based on this information, approximately 174 acres (94%) of the of the APE is located within PALM Unit 2, in which a minimum of shovel testing is recommended to investigate possible archeological resources. The remainder of the APE (10.4 acres, 6%) is located within PALM Unit 4 in which no survey is recommended. This unit is characteristic of stable or erosional Pleistocene landforms lacking Holocene veneers, Pleistocene landforms in urban contexts, areas underlain by deposits of recent (historic) age, and made land (e.g., dredge spoil) sites (Abbott 2001).

Previously Identified Cultural Resources

A review of the Atlas indicated that no historic properties have been previously identified within the APE and no prehistoric sites, historic sites, or National Register of Historic Places (NRHP) sites have been previously identified within the APE. In addition, no archeological surveys have been previously conducted within the APE (THC 2022b).

Five (5) prior surveys have been conducted within a 1-mile radius of the project area (**Table 1**; THC 2022b). The Antiquities Permit Number (TAC) associated with the previous surveys is provided in **Table 2** if the information was readily available. Additionally, one (1) previously recorded archaeological site is located within a 1-mile radius of the APE (**Table 2 Figure 6**).

Table 1. Previously Conducted Cultural Resources Surveys Within a 1-Mile Radius of the APE

| County | Year | Distance from APE (mi) | Sponsoring Agency | Survey Type | Additional Information | TAC Permit No. |
|--------|------|------------------------|--|-------------|------------------------|----------------|
| Harris | 2016 | 0.29 | City of Houston | Area | ATLAS NO. 8500076201 | 7399 |
| Harris | 2020 | 0.52 | City of Houston | Area | ATLAS NO. 8500081922 | 9479 |
| Harris | 2011 | 0.57 | Corps of Engineers - Fort Worth District | Area | ATLAS NO. 8500020689 | - |
| Harris | 2015 | 0.79 | City of Houston | Area | ATLAS NO. 8500081509 | 7445 |
| Harris | 2015 | 0.80 | City of Houston | Area | ATLAS NO. 8500075370 | 7266 |

THC 2022b

Table 2. Previously Recorded Cultural Resources Within a 1-Mile Radius of the APE

| County | USGS Quadrangle | Resource Name | Resource Type | Time Period | NRHP Eligibility | Distance from APE |
|--------|-----------------|---------------|---------------------------------------|-------------|------------------|-------------------|
| Harris | Humble | 41HR1175 | Prehistoric campsite (lithic scatter) | Prehistoric | - | 0.81 mi |

THC 2022b

Potential for Cultural Resources

The APE was also assessed with respect to environmental factors that combine to make a locality attractive for prehistoric settlement within the region. A review of historical topographic maps (1916, 1919, 1933, 1946, 1949, 1956, 1967, 1969, 1982, 1999, 2013, 2016, and 2019) and current and historical aerial imagery (1944, 1953, 1957, 1962, 1964, 1966, 1973, 1978, 1982, 1985, 1989, 1995, 2002-2006, 2008-2022) was conducted in order to determine the extent of past activities within the project area (Historic Aerials 2022; Google Earth 2022).

The 1916 topographic map depicts the APE as undeveloped with a few unimproved roadways depicted to the east the APE and across the surrounding landscape. The earliest aerial image from 1944 shows the APE and surrounding land as undeveloped land with scattered forests along the western portions of the site, and an access road is visible in the eastern portion of the site. In 1978, construction of the IAH airport can be seen north of the APE, but the APE remained undeveloped. The 1981 aerial imagery shows the APE and adjacent land as cleared and graded for construction. By 1989, the APE was developed as a paved taxiway. Between 2003-2004, improvements of the taxiway along the western portion of the APE are visible. Since the improvements in 2004, the APE has remained substantially similar to present day conditions.

Recommendations

In summary, there were no historic structures (built 1977 or earlier) or archeological sites identified within the APE during the file review. The APE has been fully developed as part of the IAH since 1989. While the APE has not been subject to previous archeological investigations and a portion of the APE is located within PALM Unit 2 in which shovel testing is recommended; the previous disturbance within the APE indicates a low probability of encountering cultural deposits within the APE. Therefore, no archeological survey is recommended at this time.

In the event that unanticipated archeological deposits are encountered during construction, work should be halted immediately, and the Archeology Division of the Texas Historical Commission should be contacted.

Thank you for the opportunity to evaluate this project location. If you have any questions or comments regarding this assessment, please do not hesitate to contact us at (281) 640-4475.

Sincerely,



Katherine Ulewicz, MSc, RPA
Principal Investigator
Email: kulewicz@cypressec.com

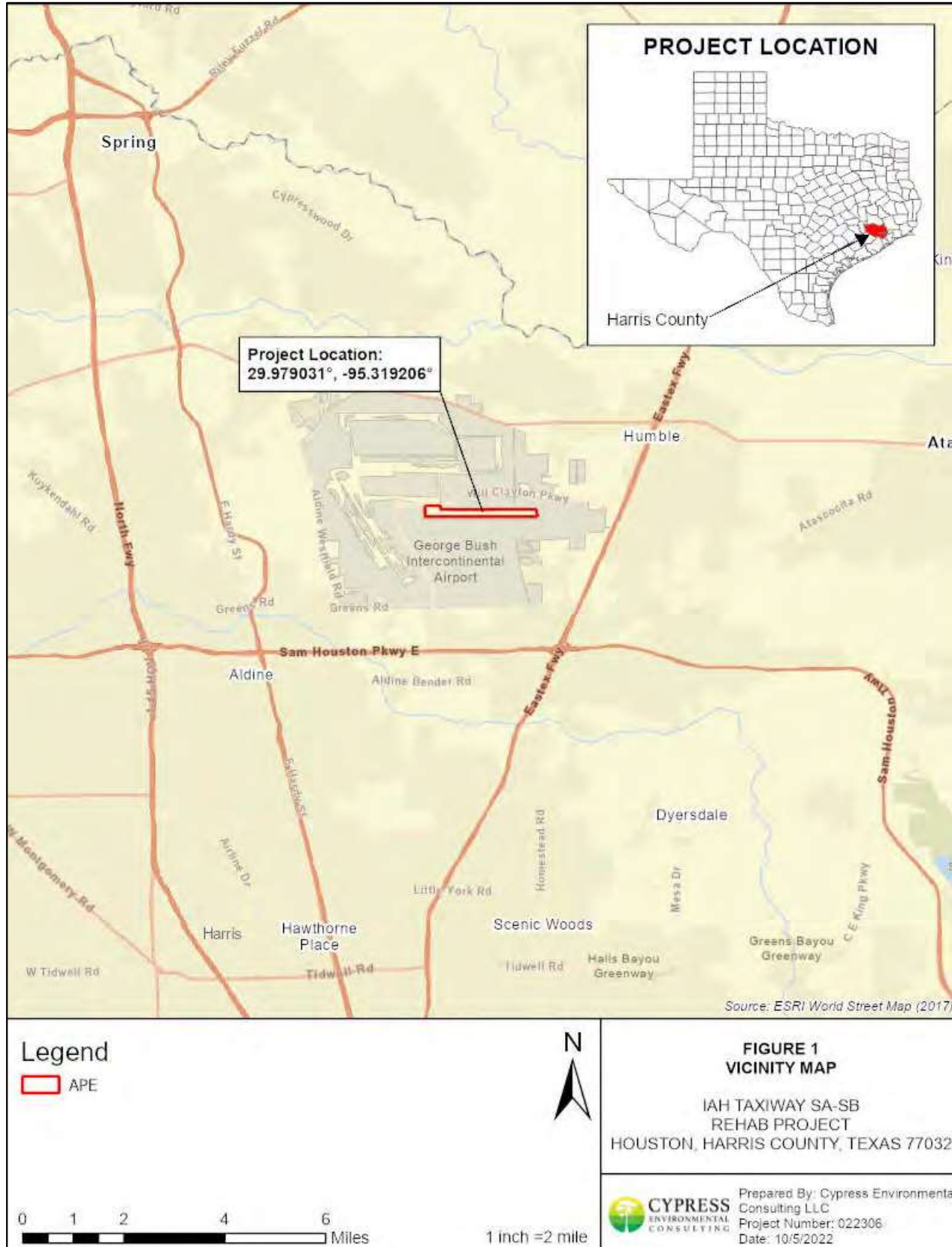
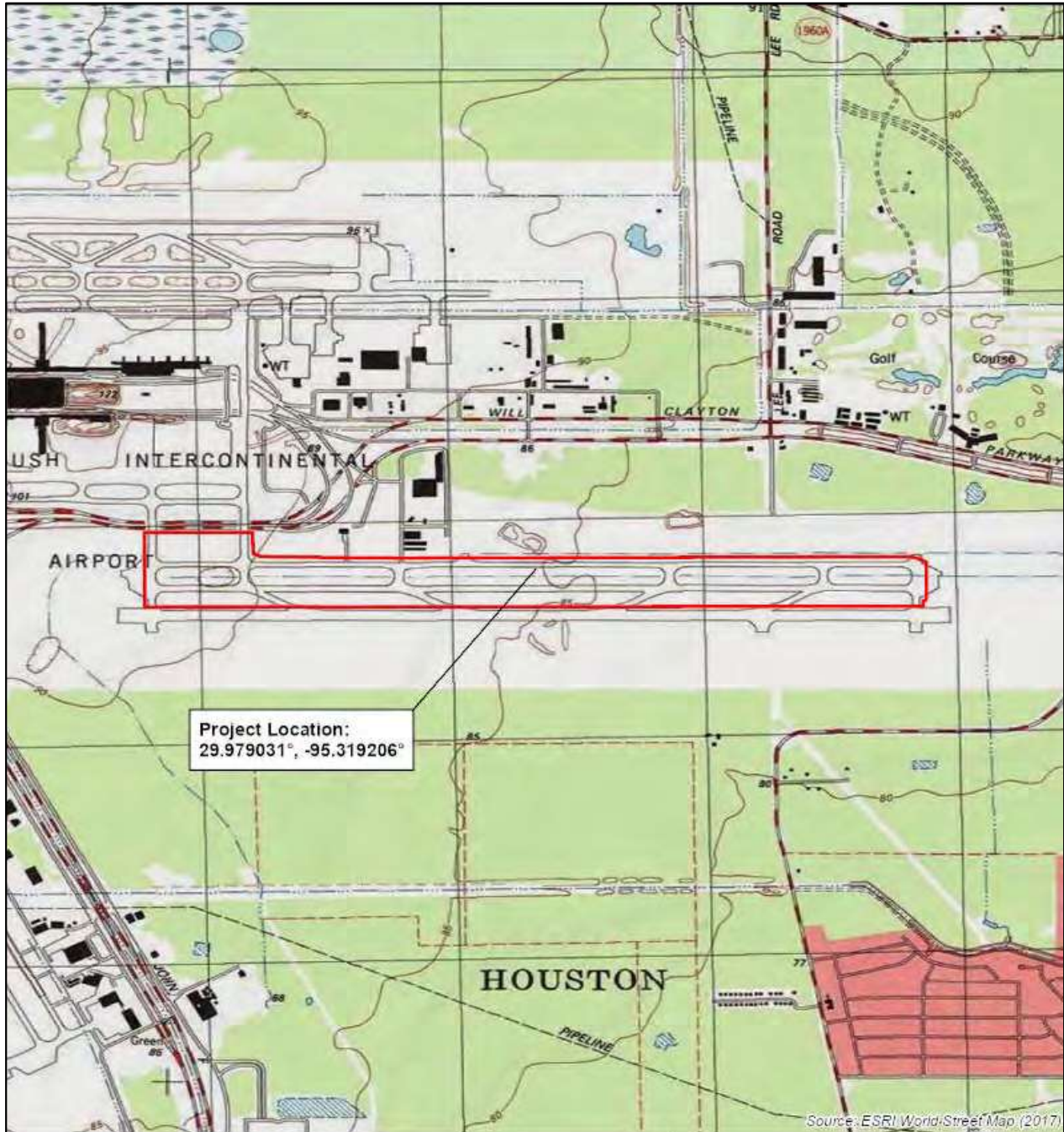


Figure 1. Vicinity Map.



Legend

 APE



0 1,000 2,000 4,000 6,000
Feet

1 inch = 2,000 feet

**FIGURE 2
TOPOGRAPHIC MAP**

IAH TAXIWAY SA-SB
REHAB PROJECT
HOUSTON, HARRIS COUNTY, TEXAS 77032



Prepared By: Cypress Environmental
Consulting LLC
Project Number: 022306
Date: 10/7/2022

Figure 2. Topographic Map.

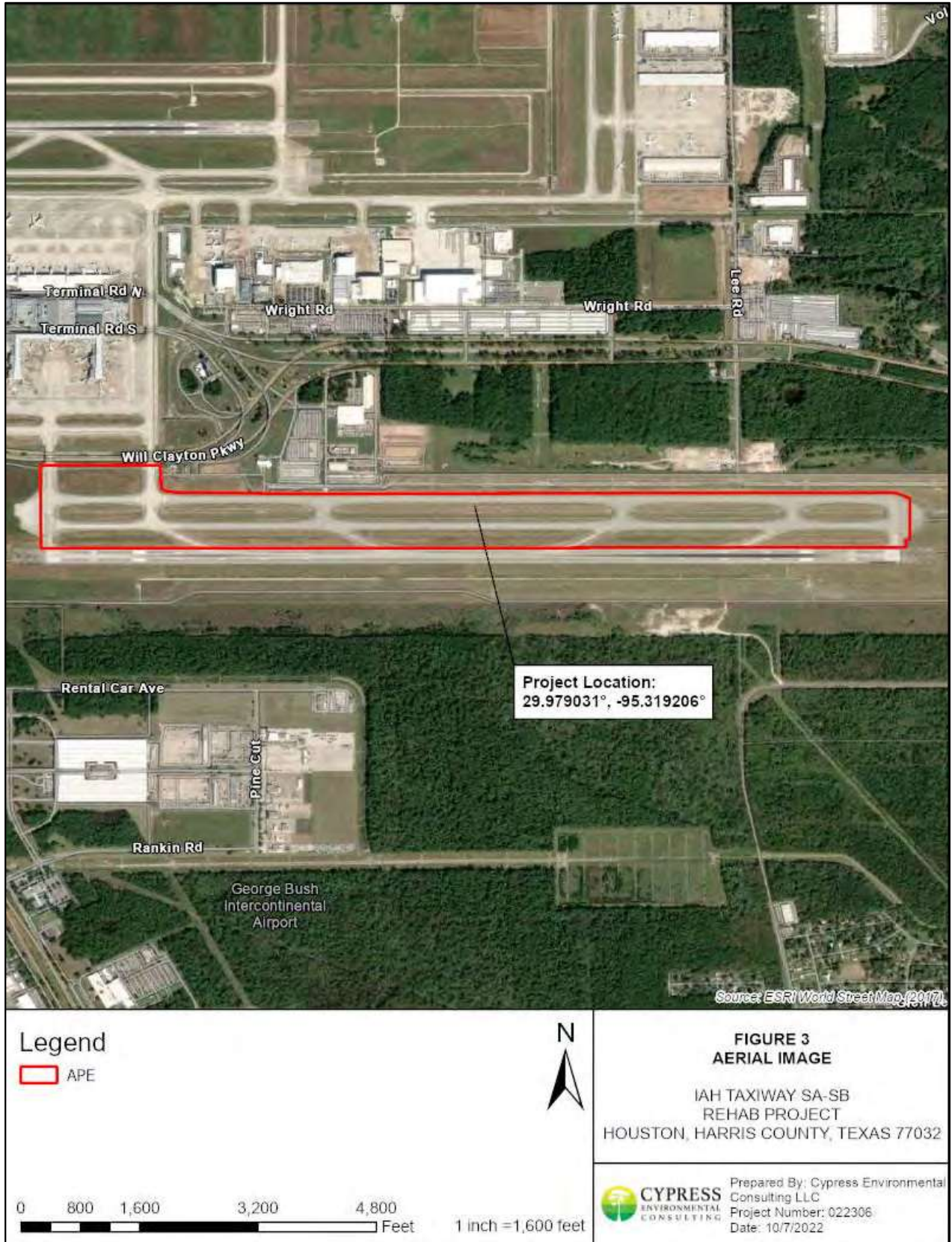


Figure 3. Aerial Map.

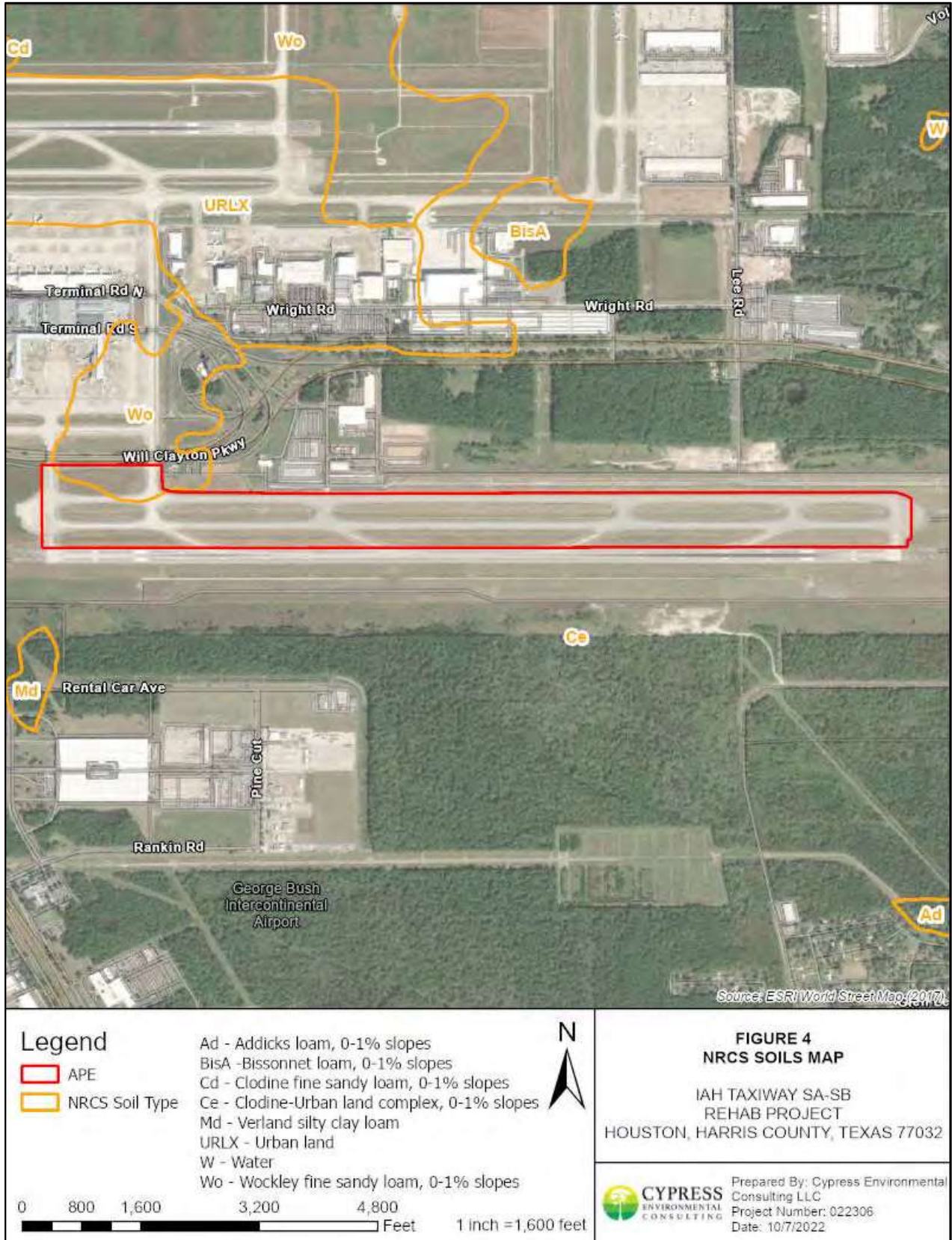


Figure 4. NRCS Soils Map.

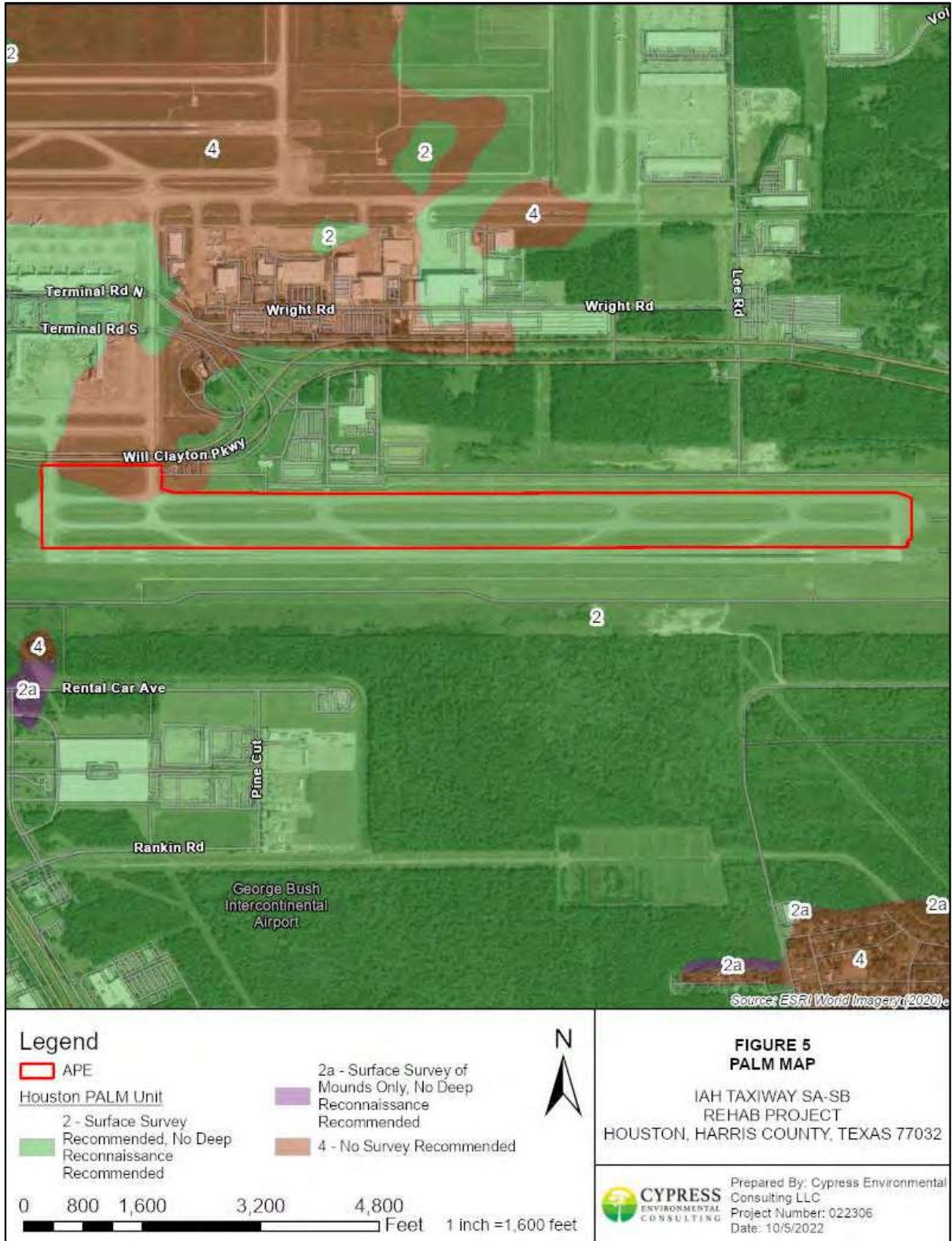


Figure 5. Houston PALM Map.

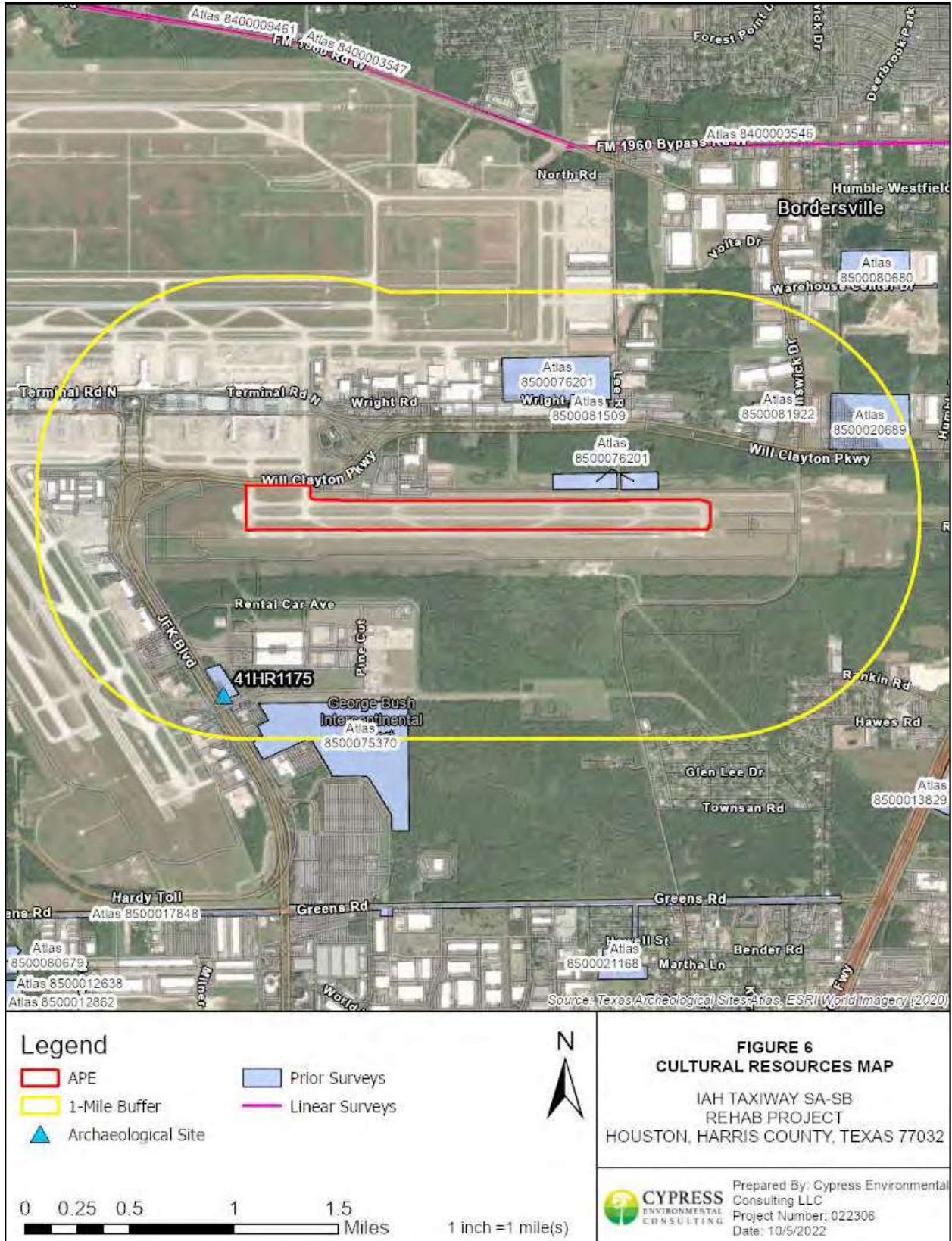
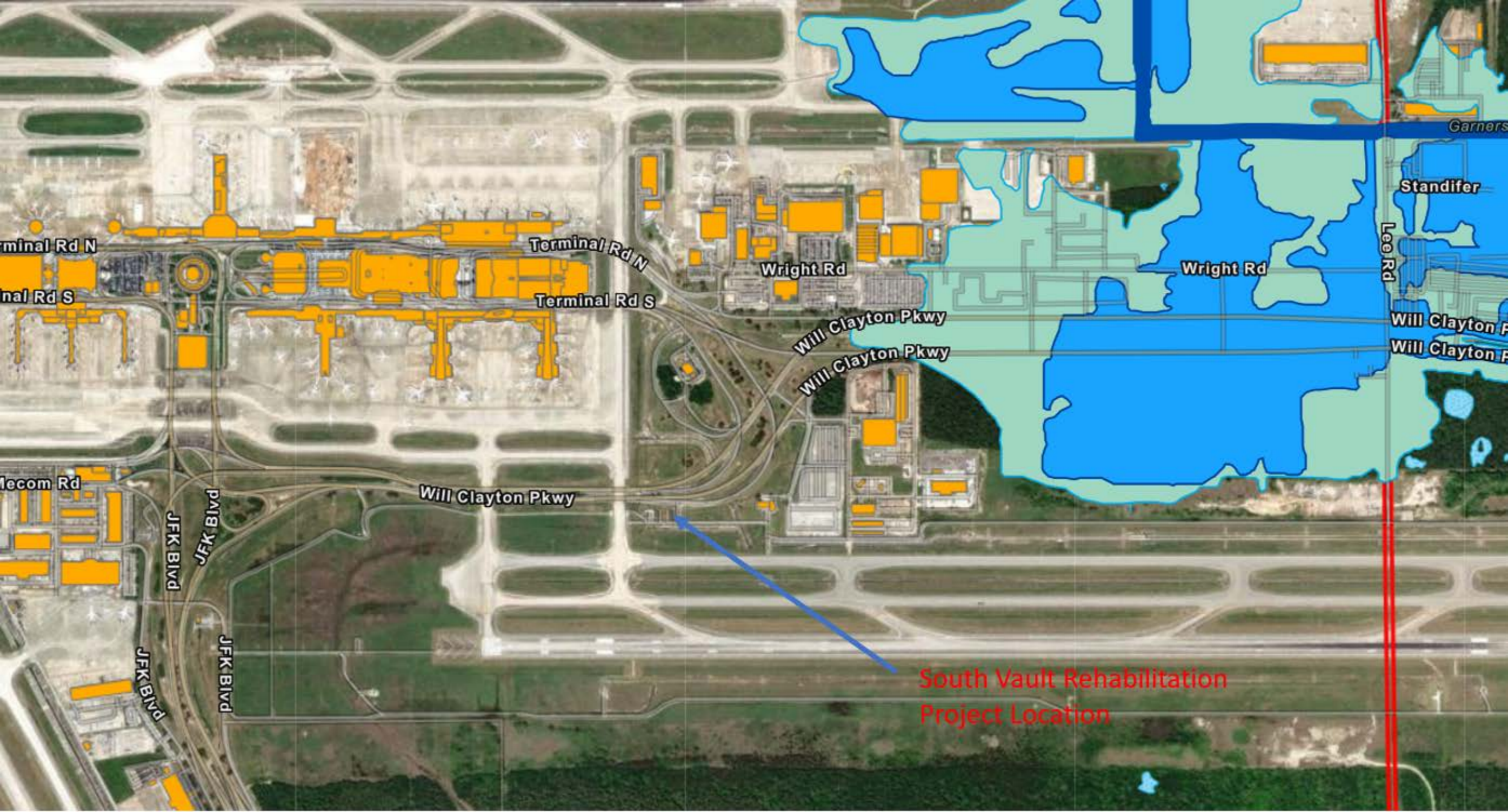


Figure 6. Cultural Resources Map

References Cited

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- (THC) Texas Historical Commission. 2022b. Antiquities Code of Texas. Available at: <https://www.thc.texas.gov/project-review/antiquities-code-texas>. Accessed September 27, 2022.
- (USGS) United States Geological Survey. 1995. Humble, TX 7.5-minute Quadrangle Sheet, scale: 1:24,000.
- (USGS) United States Geological Survey. 2022. Geologic atlas of Texas (GAT), Bureau of Economic Geology. Available at: <https://txpub.usgs.gov/txgeology/>. Accessed September 27, 2022

Exhibit E
IAH Floodplains



Terminal Rd N

Terminal Rd S

Leecom Rd

JFK Blvd

JFK Blvd

JFK Blvd

JFK Blvd

Will Clayton Pkwy

Terminal Rd N

Terminal Rd S

Wright Rd

Will Clayton Pkwy

Will Clayton Pkwy

South Vault Rehabilitation
Project Location

Garners

Standifer

Lee Rd

Will Clayton Pkwy

Will Clayton Pkwy

Document 00410A

BID FORM – PART A

To: **The Honorable Mayor and City Council of the City of Houston
City Hall Annex
900 Bagby Street
Houston, Texas 77002**

Project: IAH South Lighting Vault Renovation

Project No.: 952

Bidder: _____

(Print or type full name of business entity, such as corporation, LLC, etc)

1.0 OFFER

- A. Total Bid Price:** Having examined the Project location and all matters referred to in Bid Documents for the Project, we, the undersigned, offer to enter into a Contract to perform the Work for the Total Bid Price shown on the signature page of this Document.
- B. Security Deposit:** Included with the Bid is a Security Deposit in the amount of 10 percent of the Total Bid Price subject to terms described in Document 00200 – Instructions to Bidders.
- C. Period for Bid Acceptance:** This offer is open to acceptance and is irrevocable for 180 days from Bid Date. That period may be extended by mutual written agreement of the City and Bidder.
- D. Addenda:** All Addenda have been received. Modifications to Bid Documents have been considered and all related costs are included in the Total Bid Price.
- E. Bid Supplements:** The following documents are attached:
 - Security Deposit (*as defined in Document 00200 – Instructions to Bidders*)
 - Document 00450 - Bidder's Statement of MWSBE Status
 - Document 00454 - Affidavit of Non-interest
 - Document 00455 - Ownership Information Form
 - Document 00456 - Bidder's Certificate of Compliance with Buy American Program (*required for AIP funded project*)
 - Document 00457 – Conflicts of Interest Questionnaire (CIQ)
 - Document 00458 - Bidder's Certificate Regarding Foreign Trade Restriction (*required for AIP funded project*)
 - Document 00459 - Contractor's Statement Regarding Previous Contracts Subject to EEO (*required for AIP funded project*)
 - Document 00460 – Pay or Play Acknowledgement Form (POP 1-A)
 - Document 00461 – Hire Houston First Affidavit
 - Document 00470 – Bidder's MWSBE Participation Plan (*required unless no MWSBE participation goal is provided in Document 00800 (the "Goal")*).
 - Document 00470D - Bidder's DBE Participation Plan (*required for AIP funded project*)
 - Document 00471 – Bidder's Record of Good Faith Efforts (*required if the goal in Bidder's Participation Plan–Document 00470 is lower than the Goal*).
 - Document 00472 – Bidder's Goal Deviation Request (*required if the goal in Bidder's Participation Plan–Document 00470 is lower than the Goal*).
 - Document 00480 – Form SCM-1 Reference Verification
 - Document 00481 – Non-Collusion Statement
 - Document 00600 – List of Proposed Subcontractors and Suppliers
 - Document 00842 – Letter of Intent
 - Others as listed: _____

1.0 CONTRACT TIME

- A.** If offer is accepted, Contractor shall achieve Date of Substantial Completion within **910** days after Date of Commencement of the Work, subject to adjustments of Contract Time as provided in the Contract.

Document 00410B

BID FORM – PART B

1.0 TOTAL BID PRICE HAS BEEN CALCULATED BY BIDDER, USING THE FOLLOWING COMPONENT PRICES AND PROCESS (PRINT OR TYPE NUMERICAL AMOUNTS):

A1. STIPULATED PRICE (IAH):

\$/[N/A, if Unit Price Job]

(Total Bid Price; minus Base Unit Prices, Extra Unit Prices, Cash Allowances and All Alternates, if any)

B. BASE UNIT PRICE TABLE:

| Item No. | Spec Ref. | Base Unit Short Title | Unit of Measure | Estimated Quantity | Unit Price (this column controls) | Total in figures |
|----------|-----------|--|-----------------|--------------------|-----------------------------------|------------------|
| 1 | Div 00-01 | General Requirements | LS | 1 | ____ (1) | |
| 2 | 01913 | General Commissioning Requirements | LS | 1 | ____ (1) | |
| 3 | Div 02 | Demo Concrete Curb | LF | 208 | ____ (1) | |
| 4 | Div 02 | Demo Concrete Column | EA | 1 | ____ (1) | |
| 5 | Div 02 | Demo Concrete Wall | SF | 576 | ____ (1) | |
| 6 | 024119 | Remove 30 kVA Transformer | EA | 1 | ____ (1) | |
| 7 | 024119 | Remove Louver 3x2 | EA | 4 | ____ (1) | |
| 8 | 024119 | Remove Louver 3x2.5 | EA | 4 | ____ (1) | |
| 9 | 024119 | Remove Louver 5x4.5 | EA | 1 | ____ (1) | |
| 10 | 024119 | Remove Louver 4x2.5 | EA | 1 | ____ (1) | |
| 11 | 024119 | Remove Double Door & Frame | EA | 2 | ____ (1) | |
| 12 | 024119 | Remove Single Door & Frame | EA | 1 | ____ (1) | |
| 13 | 024119 | Remove Air Intake Hoods | EA | 3 | ____ (1) | |
| 14 | Div 02 | Demo Concrete Wall and prepare for new Single Door Opening | EA | 2 | ____ (1) | |
| 15 | Div 02 | Remove 25, 9 kVA Transformer | EA | 2 | ____ (1) | |
| 16 | Div 02 | Remove Electric Panel | EA | 6 | ____ (1) | |
| 17 | Div 02 | Remove Surge Protection Device | EA | 3 | ____ (1) | |
| 18 | Div 02 | Remove 3-Way ATS | EA | 1 | ____ (1) | |
| 19 | Div 02 | Remove Fused Disconnect | EA | 3 | ____ (1) | |

| | | | | | | |
|----|--|---|----|-------|----------|--|
| 20 | Div 02 | Remove MPB | EA | 1 | ____ (1) | |
| 21 | Div 02 | Remove PLC Terminal | EA | 1 | ____ (1) | |
| 22 | Div 02 | Remove Genset Shelving | EA | 1 | ____ (1) | |
| 23 | Div 02 | Remove Disconnect – AHU-1,2 | EA | 2 | ____ (1) | |
| 24 | Div 02 | Remove Conduit and Cables | LS | 1 | ____ (1) | |
| 25 | Div 02 | Remove Antenna | EA | 1 | ____ (1) | |
| 26 | Div 02 | Remove Manual Controls | EA | 2 | ____ (1) | |
| 27 | Div 02 | Remove Cut Outs Cabinet | EA | 1 | ____ (1) | |
| 28 | Div 02 | Remove Keyboard | EA | 1 | ____ (1) | |
| 27 | Div 02 | Remove Generator and all Associated Equipment and Installations | EA | 1 | ____ (1) | |
| 28 | Div 02 | Underground Tank Cap Pipe | EA | 2 | ____ (1) | |
| 29 | Div 02 | Remove Insulation | SF | 576 | ____ (1) | |
| 30 | 024119 | Remove Insulation and Roof Membrane | SF | 2,500 | ____ (1) | |
| 31 | Div 02 | Remove Light Fixtures | SF | 2,000 | ____ (1) | |
| 32 | Div 02 | Remove Old Sump Pump | EA | 2 | ____ (1) | |
| 32 | Div 02 | Remove abandoned cables | EA | 1 | ____ (1) | |
| 33 | Div 02 | Remove Concrete Pavement | LS | 1 | ____ (1) | |
| 34 | Div 02 | Remove Sidewalk | EA | 1 | ____ (1) | |
| 35 | Div 02 | Remove Expansion Joints Sealant and Backer Rod | LS | 1 | ____ (1) | |
| 36 | Div 02 | Remove Scuppers, Downspouts and Splash Blocks and Parapet Caps | LS | 1 | ____ (1) | |
| 37 | Div 03 | Pavement Sawcut | EA | 1 | ____ (1) | |
| 38 | Div 03 | Slab on Grade Reinforcing | EA | 1 | ____ (1) | |
| 39 | Div 03 | Generator and Switchgear Pad Reinforcing | EA | 1 | ____ (1) | |
| 40 | Div 03 | Pilasters Reinforcing | | | | |
| 41 | 031000 032000 033000 033900 042200 | Concrete Pilaster Assuming 20'H, 36"x36" | EA | 14 | ____ (1) | |
| 42 | 031000 032000 033000 033900 | Concrete Pad | CY | 264 | ____ (1) | |
| 43 | 031000 032000 033000 033900 | High Density Foam | LS | 1 | ____ (1) | |

| | | | | | | |
|----|--|--|----|-------|---------------------|--|
| 44 | 031000 032000 033000 033900 | Generator & Switchgear Pad | SF | 1,255 | ____ ⁽¹⁾ | |
| 45 | 031000 032000 033000 033900 | Concrete Stoops | SF | 135 | ____ ⁽¹⁾ | |
| 46 | 031000 032000 033000 033900 | Infill Openings with concrete where louvers were removed | SF | 50 | ____ ⁽¹⁾ | |
| 47 | 031000 032000 033000 033900 | Light Weight Concrete infill where Skylights were removed | SF | 36 | ____ ⁽¹⁾ | |
| 48 | 042200 | CMU Enclosure Wall, 20'H. | SF | 2,234 | ____ ⁽¹⁾ | |
| 49 | 042200 | CMU for Pilaster Finishing 20'H, 36"x36" | SF | 2,166 | ____ ⁽¹⁾ | |
| 50 | | Metal Fabrication | LF | 171 | | |
| 51 | 031000 032000 033000 033900 042200 | Sealing and Caulking, Inc., Joints Rework | LF | 3,199 | ____ ⁽¹⁾ | |
| 52 | 079200 | Repair Water Infiltration at Basement Level | LS | 1 | ____ ⁽¹⁾ | |
| 53 | Div 02 | Remove Concrete Pavement | SF | 2,416 | ____ ⁽¹⁾ | |
| 54 | 075416 076200 077100 | New Build Up Insulation and Roof Membrane | SF | 2,500 | ____ ⁽¹⁾ | |
| 55 | 075416 076200 077100 | New Flashing and Roof Perimeter | LF | 270 | ____ ⁽¹⁾ | |
| 56 | 075416 076200 077100 | New Downspouts | EA | 6 | ____ ⁽¹⁾ | |
| 57 | 081113 087100 | New Double Door and Frame Galv/Steel | EA | 1 | ____ ⁽¹⁾ | |
| 58 | 081113 087100 | New Single Door and Frame Galv/Steel | EA | 3 | ____ ⁽¹⁾ | |
| 59 | 081113 087100 | Double Door Transom | SF | 24 | ____ ⁽¹⁾ | |
| 60 | 081113 087100 | Hardware Set 1 | EA | 1 | ____ ⁽¹⁾ | |
| 61 | 081113 087100 | Hardware Set 2 | EA | 3 | ____ ⁽¹⁾ | |
| 62 | 081113 087100 | Hardware Set 3 | EA | 1 | ____ ⁽¹⁾ | |
| 63 | 079200 | Restore Finishing in Basement After Dry IN | LS | 1 | ____ ⁽¹⁾ | |
| 64 | 099123 | Interior Painting and Cleaning- lower level and main floor walls | SF | 3,800 | ____ ⁽¹⁾ | |

| | | | | | | |
|------|---|---|----|-------|----------|--|
| 64.1 | 099113 | Exterior Painting and Cleaning | SF | 4,250 | | |
| 65 | 260553 | Permanent laminated engraved placards | EA | 4 | ____ (1) | |
| 66 | 260553 | Label Cables | LS | 1 | ____ (1) | |
| 67 | 221429 | Sump Pump for Basement | EA | 2 | ____ (1) | |
| 68 | 221429 | Sump Pump piping | LS | 1 | ____ (1) | |
| 69 | Drawings 260010 260011 | Relocate Equipment | EA | 4 | ____ (1) | |
| 70 | 260526 | Ground Rods | LS | 1 | ____ (1) | |
| 71 | 260913.10 | Meter Enclosure | EA | 1 | ____ (1) | |
| 72 | Div 26 | New ALCMS and upgrades to 3 vaults, air traffic control tower and airfield service center ALCMS | LS | 1 | ____ (1) | |
| 73 | 260503 2660513 260519 260526 260529 260533 260536 | Wiring and Distribution | LS | 1 | ____ (1) | |
| 74 | 262213 | Transformer 37.5kVA 1P | EA | 1 | ____ (1) | |
| 75 | 262213 | Transformer 45 kVA. 3P | EA | 1 | ____ (1) | |
| 76 | 262816 | Replaced Fused Disconnect Switch | EA | 3 | ____ (1) | |
| 77 | Div 26 | Replace Runway-Light-Monitor & Rlim Sensor Interface | EA | 1 | ____ (1) | |
| 78 | 262416 | New Panel 240V/120V; 1P/3W 200A-42 Breakers | EA | 1 | ____ (1) | |
| 79 | 262416 | New Panel 208V/120V; 3P/4W 150A-42 Breaker | EA | 1 | ____ (1) | |
| 80 | 262413 | Outdoor switchgear SS NEMA 3R with 4 breaker 1600A/3 LSIG | EA | 1 | ____ (1) | |
| 80 | 262413 | Switchboard MSB 1600A, 480/277; 3P; 4W | EA | 1 | ____ (1) | |
| 81 | 260913 | Electrical Power Monitoring and Control | LS | 1 | ____ (1) | |
| 82 | 262416 | Panel HVS 600A; 480/277; 3P; 4W | EA | 1 | ____ (1) | |
| 83 | 262816 | New Disconnects for AHU-1,2 | EA | 2 | ____ (1) | |
| 8 | 264313 | Surge Protection Device | EA | 5 | ____ (1) | |
| 85 | 260526 | 4"x24" Insulated Copper Bus Main Ground Bar on Wall | EA | 1 | ____ (1) | |
| 86 | 260526 | Ground System Rework | LS | 1 | ____ (1) | |
| 87 | Div 26 | Constant Current Regulator | EA | 20 | ____ (1) | |

| | | | | | | |
|-----|--------------------------------------|---|----|----|---------------------|--|
| 88 | Div 26 | Switchgear for Constant Current Regulators | EA | 2 | ____ ⁽¹⁾ | |
| 89 | 263213 | New Generator, 480v/277V; 3P; 4W+G; 1250 kW w/3,000 Gallon Belly Tank | EA | 1 | ____ ⁽¹⁾ | |
| 90 | 263213 | Camlock Connection Unit for Generator NEMA 4X-SS | EA | 2 | ____ ⁽¹⁾ | |
| 91 | 262726 | Receptacles | EA | 16 | | |
| 92 | 262726 | WR, GFCI Receptacles | EA | 7 | | |
| 92 | 262726 | Special purpose receptacles | EA | 5 | | |
| 93 | 263623 | Automatic Transfer Switch 1600A/4P Isolation Bypass Type | EA | 2 | ____ ⁽¹⁾ | |
| 94 | 264113 | Lightning Protection | LS | 1 | ____ ⁽¹⁾ | |
| 95 | 265119 | Light Fixture A | EA | 16 | ____ ⁽¹⁾ | |
| 95 | 265119 | Light Fixture AE | EA | 14 | ____ ⁽¹⁾ | |
| 96 | 265619 | Exterior Wall Light Fixture Type B | EA | 8 | ____ ⁽¹⁾ | |
| 97 | 265619 | Exterior Wall Light Fixture Type C1 | EA | 3 | ____ ⁽¹⁾ | |
| 98 | 265619 | Exterior Wall Light Fixture Type C2 | EA | 9 | ____ ⁽¹⁾ | |
| 99 | 265619 | Exterior Wall Light Fixture Type C3 | EA | 4 | ____ ⁽¹⁾ | |
| 100 | 265619 | Exterior Wall Light Fixture Type C4 | EA | 6 | ____ ⁽¹⁾ | |
| 101 | 265119 | Indicated Light (Yellow Flashing Beacon) | EA | 1 | ____ ⁽¹⁾ | |
| 102 | 265213 | Exit Light | EA | 4 | ____ ⁽¹⁾ | |
| 103 | 265119 | Timeclock with relays | EA | 1 | ____ ⁽¹⁾ | |
| 104 | 265119 | Switch with LED | EA | 9 | ____ ⁽¹⁾ | |
| 105 | Div 26 | Testing, Pre-commissioning, Commissioning | LS | 1 | | |
| 106 | 260553 | Identification for Electrical Systems | LS | 1 | | |
| 107 | 260573 | Short Circuit Studies, Coordination Studies, Arc-Flash Hazard Analysis and Labeling | LS | 1 | | |
| 108 | 270526 270528 270543 271500 | Data & Communication Rework | LS | 1 | ____ ⁽¹⁾ | |
| 109 | 270526 270528 270543 271500 | Replace Wire Cage | EA | 1 | ____ ⁽¹⁾ | |
| 110 | 281300 | Card Reader | EA | 3 | ____ ⁽¹⁾ | |
| 111 | 281300 | Mag Locks | EA | 7 | ____ ⁽¹⁾ | |
| 112 | 281300 | Push Button | EA | 5 | ____ ⁽¹⁾ | |

| | | | | | | |
|-----|----------|--|----|-----|----------|--|
| 113 | 282300 | Security Cameras | EA | 8 | ____ (1) | |
| 114 | 28461.11 | Fire Alarm Devices | LS | 21 | ____ (1) | |
| 115 | 28461.11 | Fire Alarm Control Panel and IAH Network Connection | LS | 1 | ____ (1) | |
| 116 | Div00-01 | Termite Control | LS | 1 | ____ (1) | |
| 117 | 260543 | Underground Ductbank (8) 8" Conduit 78"x18" | LF | 221 | ____ (1) | |
| 118 | 260543 | Underground Ductbank (2) 2" & 4 1-1/4" Conduits | LF | 43 | ____ (1) | |
| 119 | 00340 | Procure Environmental Abatement subcontractor and abate prior to construction for remediation noted in HAS provided SOW and report | LS | 1 | ____ (1) | |

C. EXTRA UNIT PRICE TABLE:

| Item No. | Spec Ref. | Extra Unit Short Title | Unit of Measure | Estimated Quantity | Unit Price (this column controls) | Total in figures |
|---------------------------------------|-----------|------------------------|-----------------|--------------------|-----------------------------------|------------------|
| | | N/A | | | | |
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| | | | | | | |
| <u>TOTAL EXTRA UNIT PRICES</u> | | | | | | \$ _____ |

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CASH ALLOWANCE TABLE:

| Item No. | Spec Ref. | Cash Allowance Short Title | Cash Allowance in figures (1) |
|-------------------------------------|-----------|----------------------------|-------------------------------|
| [1] | | Building Permitting Costs | \$26,071 |
| | | | |
| | | | |
| <u>TOTAL CASH ALLOWANCES</u> | | | [Insert Total] |

REST OF PAGE INTENTIONALLY LEFT BLANK

E. ALTERNATES TABLE:

| Item No. | Spec Ref. | Alternate Short Title | Unit of Measure | Estimated Quantity | Unit Price (this column controls) | Total Price for Alternate in figures |
|--------------------------------|-----------|-----------------------------|-----------------|--------------------|-----------------------------------|--------------------------------------|
| [1] | | [N/A, if no Alternate used] | | | | |
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| | | | | | | |
| <u>TOTAL ALTERNATES</u> | | | | | | \$ _____ |

REST OF PAGE INTENTIONALLY LEFT BLANK

F. TOTAL BID PRICE (HOU) + (IAH): \$ _____
(Add Totals for Stipulated Price (A + A1), Base Unit Price, Extra Unit Price, Cash Allowance, and All Alternates, if any)

2.0 SIGNATURES: By signing this Document, I agree that I have received and reviewed all Addenda and considered all costs associated with the Addenda in calculating the Total Bid Price.

Bidder: _____
(Print or type full name of your proprietorship, partnership, corporation, or joint venture.*)

** By: _____
Signature Date

Name: _____
(Print or type name) Title

Address: _____
(Mailing)

(Street, if different)

Telephone and Fax Number: _____
(Print or type numbers)

* If Bid is a joint venture, add additional Bid Form signature sheets for each member of the joint venture.

** Bidder certifies that the only person or parties interested in this offer as principals are those named above. Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding.

Note: This document constitutes a government record, as defined by § 37.01 of the Texas Penal Code. Submission of a false government record is punishable as provided in § 37.10 of the Texas Penal Code.

Footnotes for Tables B through E:

- (1) Fixed Unit Price determined prior to Bid. Cannot be adjusted by the Bidder.
- (2) Minimum Bid Price determined prior to Bid. Can be increased by the Bidder, but not decreased, by crossing out the Minimum and inserting revised price on the line above. **Cannot** be decreased by the Bidder.
- (3) Maximum Bid Price determined prior to Bid. Can be decreased by the Bidder, but not increased, by crossing out the Maximum and inserting revised price on the line above. A Bid that increases the Maximum Bid Price may be found non-conforming and non-responsive. **Cannot** be increased by the Bidder.
- (4) Fixed Range Bid Price determined prior to Bid. Unit Price can be adjusted by Bidder to any amount within the range defined by crossing out prices noted and noting revised price on the line above.

Document 00430

BIDDER'S BOND

THAT WE, _____, as Principal,
(Bidder)
("Bidder"), and the other subscriber hereto, _____, as Surety, do hereby acknowledge ourselves to be held and firmly bound to the City of Houston, a municipal corporation, in the sum of _____ Dollars (\$ _____) (an amount equal to 10 percent of the Total Bid Price, including Cash Allowances and Alternates, if any), for the payment of which sum, well and truly to be made to the City of Houston and its successors, the Bidder and Surety do bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:

WHEREAS, the Bidder has submitted on or about this day a proposal offering to perform the following:

(Project Name, Location and Number)

in accordance with the Drawings, Specifications, and terms and conditions related thereto to which reference is hereby made.

NOW, THEREFORE, if the Bidder's offer as stated in the Document 00410 – Bid Form is accepted by the City, and the Bidder executes and returns to the City Document 00520 – Agreement, required by the City, on the forms prepared by the City, for the Work and also executes and returns the same number of the Performance, Payment and Maintenance Bonds (such bonds to be executed by a Corporate Surety authorized by the State Board of Insurance to conduct insurance business in the State of Texas, and having an underwriting limitation in at least the amount of the bond) and other submittals as required by Document 00495 - Post-Bid Procedures, in connection with the Work, within the Contract Time, then this obligation shall become null and void; otherwise it is to remain in full force and effect.

If Bidder is unable to or fails to perform the obligations undertaken herein, the undersigned Bidder and Surety shall be liable to the City for the full amount of this obligation which is hereby acknowledged as the amount of damages which will be suffered by the City on account of the failure of such Bidder to perform such obligations, the actual amount of such damages being difficult to ascertain.

Notices required or permitted hereunder shall be in writing and shall be deemed delivered when actually received or, if earlier, on the third day following deposit in a United States Postal Service post office or receptacle, with proper postage affixed (certified mail, return receipt requested), addressed to the respective other Party at the address prescribed in the Contract documents, or at such other address as the receiving Party may hereafter prescribe by written notice to the sending Party.

IN WITNESS THEREOF, the Bidder and Surety have signed and sealed this instrument on the respective dates written below their signatures and have attached current Power of Attorney.

ATTEST, SEAL: (if a corporation)

WITNESS: (if not a corporation)

(Name of Bidder)

By: _____

Name:
Title:

By: _____

Name:
Title:
Date:

ATTEST/SURETY WITNESS: (SEAL)

(Full Name of Surety)

(Address of Surety for Notice)

(Telephone Number of Surety)

By: _____

Name:
Title:
Date:

By: _____

Name:
Title:
Date:

Document 00450

BIDDER'S STATEMENT OF MBE/WBE/PDBE/DBE/SBE STATUS

This certifies that the status of the Bidder, _____, in
(Bidder's Name)

regard to the City of Houston Code of Ordinances, Chapter 15, Article V, relating to City-wide percentage goals for contracting with Minority and Women-owned Business Enterprises (MWBE) and Disadvantaged Business Enterprises (DBE), Chapter 15, Article VI, relating to City-wide percentage goals for contracting with Persons with Disabilities Business Enterprises (PDBE) and Chapter 15, Article IX, relating to City-wide percentage goals for contracting with a Small Business Enterprise (SBE) is as follows:

1. Bidder (individual, partnership, corporation) is is not a Minority Business Enterprise as certified by the Affirmative Action and Contract Compliance Division.
2. Bidder (individual, partnership, corporation) is is not a Women-owned Business Enterprise as certified by the Affirmative Action and Contract Compliance Division.
3. Bidder (individual, partnership, corporation) does does not declare itself to be a Persons with Disabilities Business Enterprise as defined above.
4. Bidder (individual, partnership, corporation) does does not declare itself to be a Disadvantaged Business Enterprise as defined above.
5. Bidder (individual, partnership, corporation) does does not declare itself to be a Small Business Enterprise as defined above.

Signature: _____

Title: _____

Date: _____

END OF DOCUMENT

Document 00454

AFFIDAVIT OF NON-INTEREST

BEFORE ME, the undersigned authority, a Notary Public in and for the State of Texas, on
this day personally appeared _____, who
Affiant

being by me duly sworn on his oath stated that he is _____
Title

OF

Name of Firm

the firm named and referred to and in the foregoing; and that he knows of no officer,
agent, or employee of the City of Houston being in any manner interested either directly
or indirectly in such Contract.

Affiant's Signature

SWORN AND SUBSCRIBED before me on _____
Date

Notary Public in and for the State of TEXAS

Print or type name

My Commission Expires: _____
Expiration Date

END OF DOCUMENT

Document 00455

OWNERSHIP INFORMATION FORM

The City of Houston Ownership Information Form is used to gather information to comply with:

- a. The City of Houston Contractor Ownership Disclosure Ordinance ([Chapter 15 of the Code of Ordinances, Article VIII. City Contracts; Indebtedness to City](#));
- b. The City of Houston Fair Campaign Ordinance ([Chapter 18 of the Code of Ordinances](#)); and,
- c. The State of Texas Statement of Residency Requirements ([Tex. Govt. Code Chapter 2252](#)).

Please complete the form, in its entirety, and submit it with the Official Bid or Proposal Form. Except as noted below regarding the Statement of Residency, failure to provide this information may be just cause for rejection of your bid or proposal.

NOTICE OF AFFIRMATIVE ACCEPTANCE OF THE CITY OF HOUSTON FAIR CAMPAIGN ORDINANCE

By submitting a bid or proposal to the City of Houston for a Contract in excess of \$50,000 or for which a request is presented to City Council for approval, all respondents agree to comply with the Chapter 18 of the Code of Ordinances.

Further, pursuant to Section 18-36 of the Code of Ordinances, it shall be unlawful either for any person who submits a bid or proposal to contribute or offer any contribution to a candidate or for any candidate to solicit or accept any contribution from such person for a period commencing at the time of posting of the City Council Meeting Agenda including an item for the award of the Contract and ending upon the 30th day after the award of the Contract by City Council.

INSTRUCTIONS

1. Please **type** or **legibly print in dark ink** responses. Individuals and entities should disclose their full, legal names (not initials) and all required corporate letters ("Inc", "LLP", etc.).
 - a. If a firm is operating under an assumed name, the following format is recommended:
Corporate/Legal Name DBA Assumed Name.
2. Full addresses are required, including street types ("St", "Rd", etc.) and unit number.
3. Individuals or entities with 10% or more ownership of the corporation, partnership, or joint venture (including persons who own 100%) are required to be disclosed with their full name and full address. All officers and directors are also required to be disclosed with their full name and full address.

PROJECT AND BID/PROPOSAL PREPARER INFORMATION

Project or Matter Being Bid: _____

Bidder's complete firm/company business information

Name: _____

Business Address [No./Street] _____

City / State / Zip Code _____

Telephone Number _____

Bidder's email address

Email Address: _____

STATEMENT OF RESIDENCY

(THE STATEMENT OF RESIDENCY PORTION OF THIS DOCUMENT IS NOT APPLICABLE IF THE SOLICITATION INDICATES FEDERAL FUNDS WILL BE USED)

TEX. GOV'T CODE §2252.001(4) defines a "**Resident bidder**" as a bidder whose principal place of business* is in this state, and includes a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

TEX. GOV'T CODE §2252.001(3) defines a "**Nonresident bidder**" as a bidder who is not a resident in this state.

* Principal Place of Business in Texas means that the business entity:

- has at least one permanent office located within the **State of Texas**, from which business activities other than submitting bids to governmental agencies are conducted and from which the bid is submitted; and
- has at least one employee who works in the Texas office.

Based on the definitions above, your business is a:

- TEXAS RESIDENT BIDDER
 NONRESIDENT BIDDER

If you are a Nonresident Bidder, does your home state have a statute giving preference to resident bidders? If so, you must attach a copy of the statute to this Document.

A copy of the State of _____ statute is attached.

NOTE: The State of residency of a bidder is not used in the decision-making criteria for the award of contracts for projects receiving federal funding, whether in whole or in part.

CONTRACTING ENTITY ORGANIZATIONAL ENTITY TYPE

FOR PROFIT ENTITY:

NON-PROFIT ENTITY:

- SOLE PROPRIETORSHIP
- CORPORATION
- PARTNERSHIP
- LIMITED PARTNERSHIP
- JOINT VENTURE
- LIMITED LIABILITY COMPANY
- OTHER (*specify in space below*)

- NON-PROFIT CORPORATION
- UNINCORPORATED ASSOCIATION

LISTING OF ADDRESSES

List all current and prior addresses where the bidder does/has done business or owns property (real estate and/or business personal property) in the city of Houston ("Houston") in the past 3 years from the date of submittal of this form. If within the past 3 years from the date of submitting this form, the bidder does not and has not done business and has not or does not own property (real estate and/or business personal property) in Houston, please state "None" on the first line below.

Address

Address

Address

ATTACH ADDITIONAL SHEETS AS NEEDED.

LISTING OF OFFICERS

LIST ALL OFFICERS OF THE ENTITY, REGARDLESS OF THE AMOUNT OF OWNERSHIP (IF NONE STATE "NONE")

| | |
|-----------------------|-------|
| Name _____ Officer | _____ |
| Address | _____ |
| Name _____ Officer | _____ |
| Address | _____ |
| Name _____ Officer | _____ |
| Address | _____ |
| Name _____ Officer | _____ |
| Address | _____ |
| Name _____ Officer | _____ |
| Address | _____ |
| Name _____ Officer | _____ |
| Address | _____ |

LISTING OF DIRECTORS OR MEMBERS

LIST ALL DIRECTORS OF THE ENTITY, REGARDLESS OF THE AMOUNT OF OWNERSHIP (IF NONE STATE "NONE")

| | |
|----------------------------------|-------|
| Name _____ Director or Member | _____ |
| Address | _____ |
| Name _____ Director or Member | _____ |
| Address | _____ |
| Name _____ Director or Member | _____ |
| Address | _____ |
| Name _____ Director or Member | _____ |
| Address | _____ |
| Name _____ Director or Member | _____ |
| Address | _____ |

DISCLOSURE OF OWNERSHIP (OR NON-PROFIT OFFICERS)

Bidders are required to disclose all owners of 10% or more of the Contracting Entity. For non-profit entities, please provide the complete information for the President, Vice-President, Secretary, and Treasurer.

IN ALL CASES, USE FULL NAMES, LOCAL BUSINESS AND RESIDENCE ADDRESSES AND TELEPHONE NUMBERS. DO NOT USE POST OFFICE BOXES FOR ANY ADDRESS. INCLUSION OF E-MAIL ADDRESSES IS OPTIONAL, BUT RECOMMENDED.

ATTACH ADDITIONAL SHEETS AS NEEDED.

Contracting Entity:

Name: _____
Business Address [No./Street] _____
City / State / Zip Code _____
Telephone Number _____
Email Address: _____

DISCLOSURE OF OWNERSHIP (OR NON-PROFIT OFFICERS) continued.

Owner(s) of 10% or More (IF NONE, STATE "NONE."):

Name: _____
Business Address [No./Street] _____
City / State / Zip Code _____
Telephone Number _____
Email Address: _____
Residence Address [No./Street] _____
City / State / Zip Code _____

Owner(s) of 10% or More (IF NONE, STATE "NONE."):

Name: _____
Business Address [No./Street] _____
City / State / Zip Code _____
Telephone Number _____
Email Address: _____
Residence Address [No./Street] _____
City / State / Zip Code _____

ATTACH ADDITIONAL SHEETS AS NEEDED.

OPTIONAL: TAX APPEAL INFORMATION

If the firm/company or an owner/officer is actively protesting, challenging, or appealing the accuracy and/or amount of taxes levied with a tax appraisal district, please provide the following information:

| | |
|------------------------------|--|
| Debtor (Firm or Owner Name): | |
| Tax Account Nos.: | |
| Case or File Nos.: | |
| Attorney/Agent Name: | |
| Attorney/Agent Phone No.: | |
| Tax Years: | |

Status of Appeal [**DESCRIBE**]:

If an appeal of taxes has been filed on behalf of your company, please include a copy of the official form received by the appropriate agency.

REQUIRED: UNSWORN DECLARATION

I certify that I am duly authorized to submit this form on behalf of the firm, that I am associated with the firm in the capacity noted below, and that I have personal knowledge of the accuracy of the information provided herein. I affirm that all the information contained herein is true and correct to the best of my knowledge. I understand that failure to submit accurate information with my submission may result in my submission being considered non-responsive and non-responsible.

| | |
|-----------------------------|-------------|
| Preparer's Signature | Date |
| <hr/> | <hr/> |
| Printed name | |
| <hr/> | |
| Title | |

NOTE: This form constitutes a governmental record, as defined by Section 37.01 of the Texas Penal Code. Submission of a false government record and falsification of a governmental record are crimes, punishable as provided in Section 37.10 of the Texas Penal Code.

Document 00456

**BIDDER'S CERTIFICATION OF COMPLIANCE WITH
BUY AMERICAN PROGRAM
(AVIATION SAFETY AND CAPACITY EXPANSION ACT OF 1990)**

By submitting a bid, except for those items listed by Bidder below or on additional copies of this page, attached to this page, Bidder certifies that steel and each manufactured product, is produced in the United States (as defined in the clause Buy American - Steel and Manufactured Products for Construction Contracts) and that components of unknown origin are considered to have been produced or manufactured outside the United States. In case of conflicts with corresponding provisions of other Bidding Documents, Buy American Program provisions govern.

Bidders may obtain from the City a list of products excepted from this provision. Use additional copies of this page as required.

PRODUCT

COUNTRY OF ORIGIN

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The above information is true and complete to the best of my knowledge and belief.

(Printed or typed Name of Signatory)

Signature

Date

Note: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

END OF DOCUMENT

Document 00457

Conflict of Interest Questionnaire

Local Government Code Chapter 176 requires Bidders with the City of Houston ("City") to file a Conflict of Interest Questionnaire with the City Secretary of the City of Houston.

The Conflict of Interest Questionnaire is available for downloading on the Texas Ethics Commission's website at: <http://www.ethics.state.tx.us>

The completed Conflict of Interest Questionnaire will be posted on the City Secretary's website. Also you will find a list of the City Local Government Officers on the City Secretary's website.

For your convenience the CIQ form is attached as part of this document. Although the City has provided this document for the Bidders convenience, it is the Bidders responsibility to submit the latest version of the CIQ form as promulgated by the Texas Ethics Commission.

The Failure of any Bidder to comply with this law is a Class C misdemeanor.

END OF DOCUMENT

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

2 Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

Yes No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7

Signature of vendor doing business with the governmental entity

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;
or

(ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or

(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or

(C) of a family relationship with a local government officer.

Document 00458

**BIDDER'S CERTIFICATION REGARDING
FOREIGN TRADE RESTRICTIONS (49 CFR PART 30)**

The undersigned certifies that Contractor (a) is not owned or controlled by one or more citizens or nationals of a foreign country included in the list of countries that discriminate against U.S. firms published by the Office of the United States Trade representative (USTR); (b) has not knowingly entered into any contract or subcontract for this project with a contractor that is a citizen or national of a foreign country on said list, or is owned or controlled directly or indirectly by one or more citizens or nationals of a foreign country on said list; (c) has not procured any product nor subcontracted for the supply of any product for use in the Work that is produced in a foreign country on said list.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR 30.17, no contract shall be awarded to a contractor or subcontractor who is unable to certify to the above. If Contractor knowingly procures or subcontracts for the supply of any product or service of a foreign country on said list for use in the Work, the Federal Aviation Administration may direct, through the sponsor, cancellation of the Contract at no cost to the Government.

Further, Contractor agrees that, if awarded a contract, Contractor will incorporate this provision for certification without modification in each contract and in all lower tier subcontracts. Contractor may rely upon the certification of a prospective subcontractor unless Contractor has knowledge that the certification is erroneous. Contractor shall provide immediate written notice to the City if Contractor learns that its certification or that of a Subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. Subcontractor agrees to provide immediate written notice to Contractor, if at any time it learns that Subcontractor certification was erroneous by reason of changed circumstances.

This certification is a material representation of fact upon which reliance was placed when making the award. If it is later determined that Contractor or Subcontractors knowingly rendered an erroneous certification, the Federal Aviation Administration may direct, through the City, cancellation of the Contract or subcontract for default at no cost to the City.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, certification required by this provision. The knowledge and information of Contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18, United States Code, Section 1001.

Certification- The above information is true and complete to the best of my knowledge and belief.

(Printed or typed Name of Signatory)

Signature

Date

Note: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

END OF DOCUMENT

Document 00459

**CONTRACTOR'S STATEMENT REGARDING PREVIOUS CONTRACTS
SUBJECT TO EQUAL EMPLOYMENT OPPORTUNITY**

Section 60-1.7(b) of the Regulations of the Secretary of Labor requires each bidder or prospective prime contractor and proposed subcontractor, where appropriate, to state in the bid or at the outset of negotiations for the contract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and if so, whether it has filed with the Joint Reporting Committee, the Director, an agency, or the former President's Committee on Equal Employment Opportunity all reports due under the applicable filing requirements. In any case in which a bidder or prospective prime contractor or proposed subcontractor which participated in a previous contract subject to Executive Order 10925, 11114, or 11246 has not filed a report due under the applicable filing documents, no contract or subcontract shall be awarded unless such contractor submits a report covering the delinquent period or such other period specified by the FAA or the Director, OFCCP.

Contractor has ___ has not ___ participated in a previous contract subject to the equal opportunity clause prescribed by Executive Order 10925, or Executive Order 11114, or Executive Order 11246.

Contractor has ___ has not ___ submitted all compliance reports in connection with any such contract due under the applicable filing requirements; and that representations indicating submission of required compliance reports signed by proposed subcontractors will be obtained prior to award of subcontracts.

If Contractor has participated in a previous contract subject to the equal opportunity clause and has not submitted compliance reports due under applicable filing requirements, Contractor (Proposer) shall submit a compliance report on Standard Form 100, "Employee Information Report EEO-1" prior to the award of the Contract.

Standard Form 100 is normally furnished to contractors annually, based on a mailing list currently maintained by the Joint Reporting Committee. In the event Contractor has not received the form, Contractor may obtain it by writing to the following address:

*Joint Reporting Committee
1800 G Street
Washington, DC 20506*

(Printed or typed Name of Signatory)

Signature

Date

Title

Contractor's Firm Name

NOTE: *The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.*

END OF DOCUMENT



City of Houston Pay or Play Program Acknowledgement Form



It has been determined that the project currently open for bidding meets the criteria of the City of Houston Pay or Play program. This form acknowledges your awareness of the Pay or Play program which is authorized by Ordinance 2007-534. Your signature below affirms that you will comply with the requirements of the program upon contract award and ensure the same on behalf of your subcontractors that may be subject to the Pay or Play Program.

I declare under penalty of perjury under the laws of the State of Texas that if awarded this contract which meets the criteria for the City of Houston's Pay or Play Program, I will comply with all requirements of the Pay or Play Program in accordance with Executive Order 1-7.

Fill out all information below and submit this form with your bid/proposal packet.

Solicitation Number

Signature

Date

Print Name

City Vendor ID

Company Name

Phone Number

Email Address

For more information about the Pay or Play program please visit
<http://www.houstontx.gov/obo/popforms.html>.

Questions about the Pay or Play Program should be referred to the Department POP Liaison; an updated contact list is available on the Office of Business Opportunity website or call the POP Contract Administrator at 832-393-0633.

Document 00470D

Houston Airports
City of Houston

Disadvantage Business Enterprise Participation Plan

SCHEDULE OF DBE PARTICIPATION
PROJECT NO. 952 PROJECT NAME:

IAH South Lighting Vault
Renovation

DATE OF REPORT: _____

BID NO.: _____

FORMAL BID TITLE: _____

| NAME OF DBE SUBCONTRACTOR | OFFICE OF BUSINESS OPPORTUNITY CERTIFICATION NO. | STREET ADDRESS AND CITY, STATE, ZIP CODE | TELEPHONE NO. | SCOPE OF WORK | AGREE PRICE |
|-------------------------------|--|---|------------------|---------------|-------------|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| TOTAL..... | | | | | \$ _____ |
| DBE PARTICIPATION AMOUNT..... | | | | | \$ _____ % |
| TOTAL BID AMOUNT..... | | | | | \$ _____ |

(CONTINUED): SCHEDULE OF DBE PARTICIPATION IAH South Lighting Vault
PROJECT NO. 952 **PROJECT NAME:** Renovation

IF YOU HAVE USED YOUR BEST EFFORTS TO CARRY OUT THE CITY'S DBE POLICY BY SEEKING SUBCONTRACTS AND SUPPLY AGREEMENTS WITH DISADVANTAGE BUSINESS ENTERPRISES, YET FAILED TO MEET THE STATED PERCENTAGE GOAL OF THIS BID DOCUMENT, LIST BELOW YOUR GOOD FAITH EFFORTS FOR COMPLIANCE (DEFINITION OF REQUIREMENTS CAN BE OBTAINED THROUGH THE OFFICE OF BUSINESS OPPORTUNITY AT (713) 837-9000).

THE UNDERSIGNED WILL ENTER INTO A FORMAL AGREEMENT WITH THE DISADVANTAGE BUSINESS ENTERPRISE SUBCONTRACTORS AND SUPPLIERS LISTED IN THIS SCHEDULE CONDITIONED UPON AWARD OF A CONTRACT FROM THE CITY.

NOTE:
ALL FIRMS LISTED ABOVE MUST BE CERTIFIED (OR ELIGIBLE FOR CERTIFICATION) BY THE OFFICE OF BUSINESS OPPORTUNITY.
THIS SCHEDULE OF DBE PARTICIPATION SHOULD BE RETURNED, IN DUPLICATE, WITH THE BID FORM.

BIDDER COMPANY NAME

SIGNATURE OF AUTHORIZED OFFICER OR AGENT OF BIDDER

NAME (TYPE OR PRINT)

TITLE

00470D
6-18-2019

| | |
|---|---|
| DBE LETTER OF INTENT PROJECT NO. 952 | IAH South Lighting Vault PROJECT NAME: Renovation |
|---|---|

THIS AGREEMENT IS SUBJECT TO BINDING ARBITRATION ACCORDING TO THE TEXAS GENERAL ARBITRATION ACT.

TO: **City of Houston**
City Purchasing Agent

DISADVANTAGE BUSINESS ENTERPRISE (DBE) AND SUPPLIER

LETTER OF INTENT

Contract Bid Number: _____

Bid Title: _____

Bid Amount: _____

DBE Participation Amount: \$ _____ **DBE GOAL** _____%

1. _____ agrees to perform work/supply goods and/or
(Name of Disadvantage Business Enterprise)
 Services in connection with the above-named contract and _____ as:
Name of Prime Contractor

- (a) _____ An Individual
- (b) _____ A Partnership
- (c) _____ A Corporation
- (d) _____ A Joint Venture

2. _____ status is confirmed by DBE Directory made
(Name of Disadvantage Business Enterprise)
 available through the City of Houston Office of Business Opportunity. Certificate No.: _____.

3. _____ and _____
(Name of Prime Contractor) **(Disadvantage Business Enterprise)**
 intend to work on the above-named contract in accordance with the DBE Participation Section of the City of Houston Contract Bid Provision.

The Terms & Conditions of Attachment "C" attached hereto are incorporated into this Letter of Intent for all purposes.

 (Signed -- Prime Contractor)

 (Signed -- Disadvantage Business Enterprise)

 (Title)

 (Title)

 (Date)

 (Date)

CERTIFIED DBE SUBCONTRACT TERMS IAH South Lighting Vault
PROJECT NO. 952 **PROJECT NAME:** Renovation

Contractor shall insure that all subcontracts with DBE subcontractors and suppliers are clearly labeled “**THIS CONTRACT IS SUBJECT TO BINDING ARBITRATION ACCORDING TO THE TEXAS GENERAL ARBITRATION ACT**” and contain the following terms:

1. _____ (DBE subcontractor) shall not delegate or subcontract more than 50% of the work under this subcontract to any other subcontractor or supplier without the express written consent of the City of Houston’s Office of Business Opportunity (“the Director”).
2. _____ (DBE subcontractor) shall permit representatives of the City of Houston, at all reasonable times, to perform 1) audits of the books and records of the subcontractor, and 2) inspections of all places where work is to be undertaken in connection with this subcontract. Subcontractor shall keep such books and records available for such purpose for at least four (4) years after the end of its performance under this subcontract. Nothing in this provision shall affect the time for bringing a cause of action nor the applicable statute of limitations.
3. Within five (5) business days of execution of this subcontract, Contractor (prime contractor) and Subcontractor shall designate in writing to the Director an agent for receiving any notice required or permitted to be given pursuant to Chapter 15 of the Houston City Code of Ordinances, along with the street and mailing address and phone number of such agent.
4. As conclude by the parties to this subcontract, and as evidenced by their signatures hereto, any controversy between the parties involving the construction or application of any of the terms, covenants or conditions of this subcontract shall, on the written request of one party served upon the other or upon notice by Director served on both parties, be submitted to binding arbitration, under the Texas General Arbitration Act (Tex. Civ. Prac. & Rem. Code Ann., Ch. 171 – “the Act”). Arbitration shall be conducted according to the following procedures:
 - a. Upon the decision of the Director or upon written notice to the Director from either party that a dispute has arisen, the Director shall notify all parties that they must resolve the dispute within thirty (30) days or the matter may be referred to arbitration.
 - b. If the dispute is not resolved within the time specified, any party or the Director may submit the matter to arbitration conducted by the American Arbitration Association under the rules of the American Arbitration Association, except as otherwise required by the City’s contract with American Arbitration Association on file in the Office of the City’s Office of Business Opportunity.
 - c. Each party shall pay all fees required by the American Arbitration Association and sign a form releasing the American Arbitration Association and its arbitrators from liability for decisions reached in the arbitration.
 - d. In the event the American Arbitration Association no longer administers Office of Business Opportunity arbitration for the City, the Director shall prescribe alternate procedures as necessary to provide arbitration by neutrals in accordance with the requirements of Chapter 15 of the Houston City Code of Ordinances.

These provisions apply to goal oriented contracts. A goal oriented contract means any contract for the supply of goods or non-personal or non-professional services in excess of \$100,000.00 for which competitive bids are required by law; not within the scope of the MBE/WBE program of the United States Environmental Protection Agency on the United States Department of Transportation; and ;, which the City Purchasing Agent has determined to have significant M/WBE subcontracting potential in fields which there are an adequate number on known MBE’s and/or WBE’s to compete for City contract.

The M/WBE policy of the City of Houston will discussed during the pre-bid. For information assistance, and/or to receive a copy of the City’s Affirmative action policy and/or ordinance contact the Office of Business Opportunity at (713) 837-9000, 611 Walker, 7th Floor, Houston, Texas 77002.

00470D
6-18-2019

**OFFICE OF BUSINESS OPPORTUNITY AND
CONTRACT COMPLIANCE DBE UTILIZATION REPORT**

IAH South Lighting Vault
Renovation

PROJECT NO. 952 **PROJECT NAME:**

Report Period: _____

PROJECT NAME & NUMBER: _____

AWARD DATE: _____

PRIME CONTRACTOR: _____

CONTRACT NO.: _____

ADDRESS: _____

CONTRACT AMOUNT: _____

LIAISON/PHONE NO.: _____

M/WBE GOAL: _____

| DBE SUB/VENDOR NAME | DATE OF OBO CERTIFICATION | DATE OF SUBCONTRACT | SUBCONTRACT AMOUNT | % OF TOTAL CONTRACT | AMOUNT PAID TO DATE | % OF CONTRACT TO DATE |
|--------------------------------|--------------------------------------|--------------------------------|-------------------------------|------------------------------------|--------------------------------|--------------------------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Please update this information no less than monthly electronically to the City of Houston B2G System. Provide support documentation on all revenues paid to end of the report period to: DBE's to reflect up/down variances on Contract amount.

Houston Airport System
ATTN: Office of Business Opportunity
(281) 233-7823
18600 Lee Road
Humble, Texas 77338

END OF DOCUMENT

00470D
6-18-2019

DOCUMENT 00480

FORM SCM-1 REFERENCE VERIFICATION

1.0 REFERENCES

1.1 Contractor must be able to demonstrate that they have sufficient expertise, qualified personnel experienced and that their company has done or currently providing the services of similar size as specified in the statement of work. Contractor must have been actively engaged as an actual business entity in the activities described in the bid document for at least the five (5) years immediately prior to the submission of their bid.

1.2 The reference(s) must be included in the space provided below. Additional pages may be added if necessary. References must be included at the time of bid submittal.

LIST OF CURRENT/PREVIOUS CUSTOMERS

Company Name: _____

Contact Person/Title: _____ Phone No.: _____

E-mail Address: _____

Address: _____

Contract Award Date: _____ Contract Completion Date: _____

Contract Name/Title: _____

Project Description: _____

Company Name: _____

Contact Person/Title: _____ Phone No.: _____

E-mail Address: _____

Address: _____

Contract Award Date: _____

Contract Completion Date: _____

Contract Name/Title: _____

Project Description: _____

Company Name: _____

Contact Person/Title: _____

Phone No.: _____

E-mail Address: _____

Address: _____

Contract Award Date: _____

Contract Completion Date: _____

Contract Name/Title: _____

Project Description: _____

Form SCM-1 Reference Verification

**Telephone Interview Reference
Verification For
[Title of Solicitation]**

| | |
|---|--|
| Respondent Name: | |
| Company to be contacted as a Reference: | |
| Name and Title of Designated Reference: | |
| Contact Number for Designated Reference: | |
| Point of Contact Information for Individual Responding to Reference Check if Different than Point of Contact Designated in the Response: | |

Introduction: Hello, my name is [caller's name] with [agency name] We are currently evaluating vendor [proposals/bids/qualifications] for [solicitation title] and checking vendor references Your name and number were provided to us as a reference for [vendor name] Do you have a few minutes to answer some questions?

Questions:

1. Has the vendor provided [description of products/services] to your organization in the past 3 years? Yes No

2. How long has the vendor provided [description of products/services] to your organization?

3. What is the approximate annual value of the vendor's contract?

4. Did the vendor stay within budget? Yes No

5. On a rating scale of 0 to 3 – where (0) Unsatisfactory, (1) Marginally Satisfactory, (2) Satisfactory, (3) Exceeds Expectations, and (N/A) Not Applicable – please provide answers to the following questions:

a. How satisfied was your organization with the timeliness of the vendor's delivery of products or performance of services under the contract?

0 , 1 , 2 , 3 , N/A , Declined to Respond

b. How satisfied was your organization with the skill, knowledge, cooperativeness, and professional manner of the personnel assigned by the vendor?

0 , 1 , 2 , 3 , N/A , Declined to Respond

c. How satisfied was your organization with the vendor's ability to resolve problems?

0 , 1 , 2 , 3 , N/A , Declined to Respond

d. How satisfied was your organization with the vendor's customer service?

0 , 1 , 2 , 3 , N/A , Declined to Respond

e. Overall, how satisfied was your organization with the vendor's performance?

0 , 1 , 2 , 3 , N/A , Declined to Respond

Do you have any comments? Yes No

Reference Check Conducted By:

| | |
|---------------|--|
| Printed Name: | |
| Date & Time: | |
| Signature: | |

Reference check activities were unsuccessful for the following reason(s):

- Designated point of contact declined to answer any questions.
- Designated point of contact information provided in response was incorrect.
- Designated point of contact was determined to be "unavailable" after _____ unsuccessful attempts on the following dates and times: _____

Other:

Anti-Collusion Statement

The undersigned, as Proposer, certifies that the only person or parties interested in this Proposal as principals are those named herein; that the Proposer has not, either directly or indirectly entered into any Agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the award of this Contract.

Date

Proposer Signature

Document 00495

POST-BID PROCEDURES

1.0 DOCUMENT ADDRESSES

- A. Notice of Intent to Award.
- B. Monitoring Authority
- C. Requirements of Bidder.
- D. Failure of Bidder to comply with requirements.
- E. Notice to Proceed.

2.0 NOTICE OF INTENT TO AWARD

- A. The City will provide written Notice of Intent to Award to Low Bidder.

3.0 DEFINITIONS

- A. The "Monitoring Authority" for this Project is:

Houston Airport System
Office of Business Opportunity
Contract Compliance Section
111 Standifer Drive
Humble, Texas 77338

4.0 REQUIREMENTS OF BIDDER

- A. Within 10 workdays of receipt of Notice of Intent to Award, Low Bidder shall execute and deliver to Amanda Joseph, Senior Procurement Specialist (Supply Chain Management) and Monitoring Authority, for the City's approval, documents indicated by an "X" below:

- Document 00501 - Resolution of Contractor
- Document 00520 – Agreement
- Document 00570 – Revised MWSBE Participation Plan *(Only submit if you have changed your MWBE participation plan from the original 00470)*
- Document 00571 – Post-Bid Good Faith Efforts *(Only submit if you could not meet MWBE participation goals from the 00570)*

- Document 00572 – Contractor’s Goal Deviation Request (*Only submit if you could not meet MWBE participation goals from the 00570*)
- Document 00601 - Drug Policy Compliance Agreement
- Document 00602 - Contractor’s Drug-free Workplace Policy (*Contractor creates this document.*)
- Document 00604 - History of OSHA Actions and List of On-the-job Injuries
- Document 00605 - List of Safety Impact Positions (*Contractor completes this list. Do not submit if submitting Document 00606.*)
- Document 00606 - Contractor’s Certification of No Safety Impact Positions (*Do not submit if submitting Document 00605.*)
- Document 00607 - Certification Regarding Debarment, Suspension, and Other Responsibility Matters (For AIP Grant only)
- Document 00608 - Contractor’s Certification Regarding Non-segregated Facilities for Project Funded by AIP Grant (For AIP Grant only)
- Document 00609 – List of Nonroad Diesel Equipment (Do not need to submit if not participating in Clean Air Incentive under Document 00800 Section 9.13.2)
- Document 00610 - Performance Bond (100% of total amount of bid)
- Document 00611 - Statutory Payment Bond (100% of total amount of bid)
- Document 00612 - One-year Maintenance Bond (100% of total amount of bid)
- Document 00613 - One-year Surface Correction Bond (4% of total amount of bid)
- Document 00620 - Affidavit of Insurance
- Document 00621 – City of Houston *Certificate of Insurance (for guidance, see Document 00800, Article 11)*
- Document 00622 - Name and Qualifications of Proposed Superintendent (*Contractor creates this document.*)
- Document 00628 - Affidavit of Compliance with DBE Program (For AIP Grant only)
- Document 00629 - Affidavit for FAA Form 7460-1
- Document 00630 – Agreement to comply with POP Program
- Document 00631 - City of Houston Pay or Play Program – List of Participating Subcontractors
- Document 00632 – EEO Certification by Material Suppliers, Professional Service Providers
- Document 00636 – Certificate of Interested Parties FORM 1295
- Document 00810 – Wage Scale for Engineering Construction; Exhibit B, Certificate from Contractor Appointing Officer or Employee to Supervise Payment of Employees; Exhibit C, Certificate from Subcontractor Appointing Officer or Employee to Supervise Payment of Employees (For AIP Grant only)
- Document 00811 – Wage Scale for Building Construction; Exhibit B, Certificate from Contractor Appointing Officer or Employee to Supervise

- Payment of Employees; Exhibit C, Certificate from Subcontractor Appointing Officer or Employee to Supervise Payment of Employees (For AIP Grant only)
 - [] Document 00812 – Wage Scale for Engineering Heavy Construction [For Water and Sewer]; Exhibit B, Certificate from Contractor Appointing Officer or Employee to Supervise Payment of Employees; Exhibit C, Certificate from Subcontractor Appointing Officer or Employee to Supervise Payment of Employees
 - [] Document 00814 – Wage Scale for Engineering Heavy Construction [For Flood Control]; Exhibit B, Certificate from Contractor Appointing Officer or Employee to Supervise Payment of Employees; Exhibit C, Certificate from Subcontractor Appointing Officer or Employee to Supervise Payment of Employees
 - [] Document 00820 – Wage Scale for Civil Engineering Construction [For CIP Funded Project]; Exhibit B, Certificate from Contractor Appointing Officer or Employee to Supervise Payment of Employees; Exhibit C, Certificate from Subcontractor Appointing Officer or Employee to Supervise Payment of Employees
 - [] Document 00821 – Wage Scale for Building Construction [For CIP Funded Project]; Exhibit B, Certificate from Contractor Appointing Officer or Employee to Supervise Payment of Employees; Exhibit C, Certificate from Subcontractor Appointing Officer or Employee to Supervise Payment of Employees
- B. Original forms contained in Document 00805 - Equal Employment Opportunity Program Requirements:
- 1. Original forms contained in Document 00805 - Equal Employment Opportunity Program Requirements:
 - [] EEO-3, Certification by Bidder Regarding Equal Employment Opportunity
 - [] EEO-6, Total Work Force Composition of the Company *or in lieu thereof, a copy of the latest Equal Employment Opportunity Commission's EEO-1 form (This information is required only if the Contractor has a work force of 50 or more people and the Contract is \$50,000 or more.)*
 - [] EEO-7, Company's Equal Employment Opportunity Compliance Program
 - [] EEO-26, Certification by Proposed Subcontractor Regarding Equal Employment Opportunity
- C. Designations of Subcontractors and Suppliers, who have been selected by Bidder in Part B - Schedule of Non-MWBE/PDBE/DBE/SBE Subcontractors

and Suppliers of Document 00600 - List of Proposed Subcontractors and Suppliers, and accepted by the City, may be changed only with prior notice and acceptance by Project Manager as provided in Conditions of the Contract.

- D. On Bidder's written request, Amanda Joseph, Senior Procurement Specialist may grant an extension of time, not to exceed 5 days, to furnish documents specified in Paragraphs 4.0.A and 4.0.B. If Bidder is required to resubmit documents specified in Paragraph 4.0.A or 4.0.B, Bidder shall do so within time limits provided in the request for resubmission.
- E. Designations of Subcontractors and Suppliers, who have been selected by Bidder in its Participation Plan, and accepted by the City, may be changed only with prior notice and acceptance by the Monitoring Authority as provided in Document 00807 – Bidder Contractor Requirements for DBE Program for AIP Funded Projects.

5.0 FAILURE OF BIDDER TO COMPLY WITH REQUIREMENTS

- A. Should Bidder, on receipt of Notice of Intent to Award, fail to comply with requirements of this Document 00495 within stated time, the City may declare award in default and require forfeiture of the Security Deposit.
- B. After the City's written notice of default to Low Bidder, the City may award the Contract to Bidder whose offer is the next lowest bid, and Security Deposit of Bidder in default shall be forfeited to the City in accordance with provisions of Document 00200 - Instructions to Bidders.
- C. Please provide your City of Houston Vendors ID # _____. If you don't have a City of Houston Vendor ID #, you need to obtain one at: [Guide to Doing Business with the City \(houstontx.gov\)](http://houstontx.gov)
New City of Houston Vendor ID # _____.

6.0 NOTICE TO PROCEED

- A. Upon the City's execution of the Agreement and delivery to Contractor, the Business Unit, i.e., Infrastructure will issue a - Notice to Proceed to Contractor, which establishes Date of Commencement of the Work.

END OF DOCUMENT

Document 00501

RESOLUTION OF CONTRACTOR

(Name of Contractor, e.g., "Biz. Inc.", "Biz LLP")
is a _____,
(Type of Organization, e.g.: Corporation, Limited Partnership, Limited Liability Partnership, Limited Liability Company, etc.)
which is bound by acts of _____,
(Name and Form of Governing Entity, e.g., "Biz Inc. Board of Directors", "Bill Smith, GP", etc.)
("Governing Entity").

On the ____ day of _____, 20____, the Governing Entity resolved, in accordance with all documents, rules, and laws applicable to the Contractor, that _____, is authorized to act as the
(Contractor's Representative)
Contractor's Representative in all business transactions (initial one) ____ conducted in the State of Texas OR ____ related to this Contract; and

The Governing Entity warrants that the above resolution (a) was entered into without dissent or reservation by the Governing Entity, (b) has not been rescinded or amended, and (c) is now in full force and effect; and

In authentication of the adoption of this resolution, I subscribe my name on this ____ day of _____, 20____.

(Authorized Signature for Governing Entity)

(Print or Type Name and Title of Authorized Signatory)

SWORN AND SUBSCRIBED before me on _____
Date

Notary Public in and for the State of Texas

My Commission Expires: _____
Expiration Date

Print or Type Name of Notary Public

INSTRUCTIONS: Contractor must execute a Resolution of Contractor for each individual authorized to sign Contract Documents related to this Contract. Contractor may rescind Resolutions of Contractor through a written document in similar form.

Document 00520

AGREEMENT

Project: _____ IAH South Lighting Vault Renovation
Project Location: _____ George Bush Intercontinental Airport
Project No: _____ 952

The City: THE CITY OF HOUSTON, 900 Bagby Street, Houston, Texas 77002 (the "City")
and

Contractor: _____
(Address for Written Notice) _____

Phone Number: _____ **Fax #:** N/A

E-mail Address: _____

City Engineer, with respect to Section 4.1.9 and 4.3 thru 4.5 of the General Conditions, is:

Eren Selcen, P.E., – HAS City Engineer, City of Houston Airport. Aviation Department, Infrastructure
Division (or his or her successor)

Address for Written Notice: 111 Standifer Drive, Humble, TX 77338

Phone Number: (281) 233-1605 Fax #: N/A

Email Address: eren.selcen@houstontx.gov

**City Engineer, City Employee designated by the Director of Department of Aviation to represent
the City Engineer, with respect to all other terms of the General Conditions, is:**

Chris Bunn

Phone Number: (832) 233-1965

E-mail Address: chris.bunn@houstontx.gov

THE CITY AND CONTRACTOR AGREE AS FOLLOWS:

ARTICLE 1

THE WORK OF THE CONTRACT

1.1 Contractor shall perform the Work in accordance with the Contract.

**ARTICLE 2
CONTRACT TIME**

- 2.1 Contractor shall achieve Date of Substantial Completion within 910 calendar days after Date of Commencement of the Work, subject to adjustments of Contract Time as provided in the Contract.
- 2.2 The Parties recognize that time is of the essence for this Agreement and that the City will suffer financial loss if the Work is not completed within the Contract Time. Parties also recognize delays, expense, and difficulties involved in proving in a legal or arbitration proceeding actual loss suffered by the City if the Work is not completed on time. Accordingly, instead of requiring any such proof, the Parties agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay the City the amount stipulated in Document 00800 – Supplementary Conditions, for each day beyond Contract Time.

**ARTICLE 3
CONTRACT PRICE**

3.1 Subject to terms of the Contract, the City will pay Contractor in current funds for Contractor's performance of the Contract, Contract Price of \$ [Original Contract Price], which includes Alternates, if any, accepted below.

3.2 The City accepts Alternates as follows:

Alternate No. 1 Not Applicable

**ARTICLE 4
PAYMENTS**

- 4.1 The City will make progress payments to Contractor as provided below and in Conditions of the Contract.
- 4.2 The Period covered by each progress payment is one calendar month ending on the 25th day of the month.
- 4.3 The City will issue Certificates for Payment and will make progress payments on the basis of such Certificates as provided in Conditions of the Contract.
- 4.4 Final payment, constituting entire unpaid balance of Contract Price, will be made by the City to Contractor as provided in Conditions of the Contract.

**ARTICLE 5
CONTRACTOR REPRESENTATIONS**

5.1 Contractor represents:

5.1.1 Contractor has examined and carefully studied Contract documents and other related data identified in Bid Documents.

- 5.1.2 Contractor has visited the site and become familiar with and is satisfied as to general, local, and site conditions that may affect cost, progress, and performance of the Work.
- 5.1.3 Contractor is familiar with and is satisfied as to all federal, state, and local laws and regulations that may affect cost, progress, and performance of the Work.
- 5.1.4 Contractor has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the site (except Underground Facilities) which have been identified in Contract documents and (2) reports and drawings of a hazardous environmental condition, if any, at the site which has been identified in Contract documents.
- 5.1.5 Contractor has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, including applying specific means, methods, techniques, sequences, and procedures of construction, if any, expressly required by the Contract to be employed by Contractor, and safety precautions and programs incident thereto
- 5.1.6 Contractor does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for performance of the Work at Contract Price, within Contract Time, and in accordance with the Contract.
- 5.1.7 Contractor is aware of general nature of work to be performed by the City and others at the site that relates to the Work as indicated in Contract documents.
- 5.1.8 Contractor has correlated information known to Contractor, information and observations obtained from visits to the site, reports and drawings identified in the Contract, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract.
- 5.1.9 Contractor has given City Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract, and written resolution thereof by City Engineer is acceptable to Contractor.
- 5.1.10 Contract documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 6

MISCELLANEOUS PROVISIONS

- 6.1 The Contract may be terminated by either Party as provided in Conditions of the Contract.
- 6.2 The Work may be suspended by the City as provided in Conditions of the Contract.

ARTICLE 7
ENUMERATION OF CONTRACT DOCUMENTS

- 7.1 The following documents are incorporated into this Agreement:
- 7.1.1 Document 00700 - General Conditions.
 - 7.1.1.1 Document 00701 – FAA 150/5370-10H General Provisions.
 - 7.1.2 Document 00800 - Supplementary Conditions.
 - 7.1.3 General Requirements Division 01.
 - 7.1.4 Technical Specs: Divisions 02 through 17 of Specifications (Division 17 – Telecommunications - may be substituted by the Division 27 under the CSI Masterformat 04 numbering system.)
 - 7.1.5 Drawings listed in Document 00015 - List of Drawings and bound separately.
 - 7.1.6 Addenda which apply to the Contract, are as follows:
 - Addendum No. 1, dated [_____]
 - Addendum No. 2, dated [_____]
 - Addendum No. 3, dated [_____]
 - 7.1.7 Other documents:

| <u>Document No.</u> | <u>Title</u> |
|---------------------|--|
| [X] 00410B | Bid Form – Part B |
| [] 00470 | Pre-bid MWSBE Participation Plan |
| [X] 00470D | Pre-bid DBE Participation Plan for Project Funded by AIP Grant |
| [] 00471 | Pre-bid Good Faith Efforts |
| [] 00472 | Pre-bid Goal Deviation Request |
| [X] 00501 | Resolution of Corporation (if a corporation) |
| [] 00570 | Post-bid MWSBE Participation Plan |
| [] 00571 | Post-bid Good Faith Efforts |
| [] 00572 | Post-bid Goal Deviation Request |
| [X] 00607 | Contractor's Certification Regarding Debarment, Suspension for Project Funded by AIP Grant |
| [X] 00608 | Contractor's Certification Regarding Non-Segregated Facilities for Project Funded by AIP Grant |
| [X] 00610 | Performance Bond |
| [X] 00611 | Statutory Payment Bond |
| [X] 00612 | One-year Maintenance Bond |
| [X] 00613 | One-year Surface Correction Bond |
| [X] 00620 | Affidavit of Insurance |
| [X] 00621 | City of Houston Certificate of Insurance |

- 00628 Affidavit of Compliance with Disadvantaged Business Enterprise (DBE) Program for Project Funded By AIP Grant
- 00630 Agreement to Comply with Pay or Play Program
- 00631 List of Participating Subcontractors (POP-3)
- 00801 FAA Supplementary Conditions (for AIP Only)
- 00804 ARRA requirements (for ARRA grants Only)
- 00805 EEO Program Requirements
- 00806 Disadvantaged Business Enterprise (DBE) Program (For AIP Only)
- 00807 Bidder/Contractor Requirements For Disadvantaged Business Enterprise (DBE) Program (For AIP Only)
- 00808 Bidder Requirements for MWSBE Program
- 00810 Federal Wage Rate - Highway
- 00811 Federal Wage Rate - Building
- 00812 Wage Rate for Engineering Heavy – Water & Sewer Line
- 00814 Wage Rate for Engineering Heavy – Flood Control
- 00820 Wage Rate for Engineering Construction
- 00821 Wage Rate for Building Construction
- 00840 Pay or Play Program
- 00842 Letter of Intent

**ARTICLE 8
SIGNATURES**

8.1 This Agreement is executed in two original copies and is effective as of the date of countersignature by City Controller.

CONTRACTOR:

(If Joint Venture)

By: _____
Name: _____
Title: _____
Date: _____
Tax Identification Number: _____

By: _____
Name: _____
Title: _____
Date: _____
Tax Identification Number: _____

CITY OF HOUSTON, TEXAS

APPROVED:

SIGNED:

By: _____
Director, Department of Aviation

By: _____
Mayor

COUNTERSIGNED:

By: _____
City Controller

ATTEST/SEAL:

Date Countersigned:

By: _____
City Secretary

8.2 This Contract and Ordinance have been reviewed as to form by the undersigned legal assistant and have been found to meet established Legal Department criteria. Legal Department has not reviewed the content of these documents.

Legal Assistant

Date

END OF DOCUMENT

Document 00601

DRUG POLICY COMPLIANCE AGREEMENT

I, _____, _____,
Name Title

of _____
Contractor

have authority to bind Contractor with respect to its Bid, Proposal, or performance of any and all contracts it may enter into with the City of Houston; and that by making this Agreement, I affirm that Contractor is aware of and by the time the Contract is awarded will be bound by and agree to designate appropriate safety impact positions for company employee positions, and to comply with the following requirements before the City issues a Notice to Proceed:

1. Develop and implement a written Drug Free Workplace Policy and related drug testing procedures for Contractor that meet the criteria and requirements established by the Mayor's Amended Policy on Drug Detection and Deterrence (Mayor's Drug Policy) and the Mayor's Drug Detection and Deterrence Procedures for Contractors (Executive Order No. 1-31).
2. Obtain a facility to collect urine samples consistent with Health and Human Services (HHS) guidelines and an HHS-certified drug-testing laboratory to perform drug tests.
3. Monitor and keep records of drug tests given and results; and upon request from the City of Houston, provide confirmation of such testing and results.
4. Submit semi-annual Drug Policy Compliance Declarations.

I affirm on behalf of Contractor that full compliance with the Mayor's Drug Policy and Executive Order No. 1-31 is a material condition of the Contract with the City of Houston,

I further acknowledge that falsification, failure to comply with or failure to timely submit declarations or documentation in compliance with the Mayor's Drug Policy or Executive Order No. 1-31 will be considered a breach of the Contract with the City and may result in non-award or termination of the Contract by the City.

Contractor Title

Signature Date

END OF DOCUMENT

Document 00604

HISTORY OF OSHA ACTIONS AND LIST OF ON-THE-JOB INJURIES

Prior to award of the Contract, Low Bidder will be required to file the following with the City:

1. A history of all OSHA actions, advisories, etc., Contractor has received on all jobs worked in any capacity, prime or subcontractor. The history shall be for the two-year period preceding the Bid Date of the Project.
2. A list of all on-the-job injuries, accidents, and fatalities suffered by any present or former employees of Contractor during the same two-year period.
3. If less than the two-year period, give the date Contractor started doing business.

This information must be submitted to the City within the time period stated in Document 00498 - Notice of Intent to Award. An officer of the company must certify in a notarized statement that the information submitted is true and correct.

END OF DOCUMENT

Document 00605

LIST OF SAFETY IMPACT POSITIONS

Contractor is to provide a complete List of Employee Classifications that are considered in a "Safety Impact Position" and the number of employees in each of those classifications.

Employee Classification

Number of Employees

END OF DOCUMENT

00605-1
02-01-2004

Document 00607

**CERTIFICATION REGARDING DEBARMENT,
SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**

Contractor certifies to the best of its knowledge and belief that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal, State, or local department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph 2 of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Section 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to five years, or both.

Company:

Typed Name & Title of Authorized Representative

Signature of Authorized Representative

Date

I am unable to certify the above statements. My explanation is attached.

END OF DOCUMENT

Document 00608

**CONTRACTOR'S CERTIFICATION REGARDING
NON-SEGREGATED FACILITIES FOR PROJECT FUNDED BY AIP GRANT**

NOTICE TO PROSPECTIVE FEDERALLY ASSISTED CONSTRUCTION CONTRACTORS (41 CFR 60-1.8)

(1) A Certification of Non-segregated Facilities must be submitted prior to the award of a federally assisted construction contract exceeding \$10,000 which is not exempt from the provisions of the equal opportunity clause.

(2) Contractors receiving federally assisted construction contract awards exceeding \$10,000 which are not exempt from provisions of the equal opportunity clause shall forward the following notice to prospective subcontractors for supplies and construction contracts where subcontracts exceed \$10,000 and are not exempt from the provisions of the equal opportunity clause.

NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENTS FOR CERTIFICATION OF NON-SEGREGATED FACILITIES

(1) A Certification of Non-segregated Facilities must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the equal opportunity clause.

(2) Contractors receiving subcontract awards exceeding \$10,000 which are not exempt from provisions of the equal opportunity clause shall forward this notice to prospective subcontractors for supplies and construction contracts where subcontracts exceed \$10,000 and are not exempt from provisions of the equal opportunity clause.

CERTIFICATION OF NONSEGREGATED FACILITIES

The federally assisted construction contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor agrees that a breach of this certification is a violation of the equal opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex, or national origin, because of habit, local custom, or any other reason. The federally assisted construction contractor agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the equal opportunity clause, and that he will retain such certifications in his files.

NOTICE TO PROSPECTIVE CONTRACTORS OF REQUIREMENT FOR CERTIFICATION OF NON-SEGREGATED FACILITIES

Certification of Non-segregated Facilities must be submitted prior to the award of a contract or subcontract exceeding \$10,000 which is not exempt from provisions of the Equal Opportunity Clause.

Certification - The information above is true and complete to the best of my knowledge and belief.

(Printed or typed Name of Signatory)

Title

Signature

Date

Contractor's Firm Name

Contractor's IRS Employer ID No.

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

END OF DOCUMENT

Document 00609

List of Nonroad Diesel Equipment

Provide a list of nonroad diesel equipment that will be used in the performance of work on this Project as defined under this Contract or on a project-specific location that supports only the Project and is within one mile of the Project ("Project Site").

This list shall include the following information:

- An assigned Contractor-unique identification number, which shall be prominently placed on the exterior of individual pieces of Equipment;
- The dates each piece of Equipment is anticipated to arrive and depart the Project Site, and an indication of whether the Equipment will be used in performance of Project work;
- For each piece of Equipment: the make, description, model number, identification number, and model year;
- For each engine: the make, model, identification number, model year, horsepower rating, test group (family code); and
- Certification by either EPA, CARB or TCEQ, and the Tier 1, 2 or 3 emission standard claimed.

END OF DOCUMENT

Document 00610

PERFORMANCE BOND

THAT WE, _____, as Principal, (the "Contractor"), and the other subscriber hereto, _____, as Surety, do hereby acknowledge ourselves to be held and firmly bound to the City of Houston (the "City"), a municipal corporation, in the penal sum of \$_____ for the payment of which sum, well and truly to be made to the City, its successors and assigns, Contractor and Surety do bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:

WHEREAS, the Contractor has on or about this day executed a Contract in writing with the City for _____, _____, all of such work to be done as set out in full in said Contract documents therein referred to and adopted by the City Council, all of which are made a part of this instrument as fully and completely as if set out in full herein.

NOW THEREFORE, if the said Contractor shall faithfully and strictly perform the Contract in all its terms, provisions, and stipulations in accordance with its true meaning and effect, and in accordance with the Contract documents referred to therein and shall comply strictly with each and every provision of the Contract and with this Bond, then this obligation shall become null and void and shall have no further force and effect; otherwise the same is to remain in full force and effect. Should the Contractor fail to faithfully and strictly perform the Contract in all its terms, including but not limited to the indemnifications thereunder, the Surety shall be liable for all damages, losses, expenses and liabilities that the City may suffer in consequence thereof, as more fully set forth herein.

It is further understood and agreed that the Surety does hereby relieve the City or its representatives from the exercise of any diligence whatever in securing compliance on the part of the Contractor with the terms of the Contract, and the Surety agrees that it shall be bound to take notice of and shall be held to have knowledge of all acts or omissions of the Contractor in all matters pertaining to the Contract. The Surety understands and agrees that the provision in the Contract that the City will retain certain amounts due the Contractor until the expiration of 30 days from the acceptance of the Work is intended for the City's benefit, and the City will have the right to pay or withhold such retained amounts or any other amount owing under the Contract without changing or affecting the liability of the Surety hereon in any degree.

It is further expressly agreed by Surety that the City or its representatives are at liberty at any time, without notice to the Surety, to make any change in the Contract documents and in the Work to be done thereunder, as provided in the Contract, and in

the terms and conditions thereof, or to make any change in, addition to, or deduction from the Work to be done thereunder; and that such changes, if made, shall not in any way vitiate the obligation in this Bond and undertaking or release the Surety therefrom.

It is further expressly agreed and understood that the Contractor and Surety will fully indemnify and save harmless the City from any liability, loss, cost, expense, or damage arising out of Contractor's performance of the Contract.

If the City gives Surety notice of Contractor's default, Surety shall, within 45 days, take one of the following actions:

1. Arrange for Contractor, with consent of the City, to perform and complete the Contract; or
2. Take over and assume completion of the Contract itself, through its agents or through independent contractors, and become entitled to the payment of the balance of the Contract Price.

If the Surety fails to take either of the actions set out above, it shall be deemed to have waived its right to perform and complete the Contract and receive payment of the balance of the Contract Price and the City shall be entitled to enforce any remedies available at law, including but not limited to completing the Contract itself and recovering any cost in excess of the Original Contract Price from the Surety.

This Bond and all obligations created hereunder shall be performable in Harris County, Texas. This Bond is given in compliance with the provisions of Chapter 2253, Texas Government Code, as amended, which is incorporated herein by this reference.

Notices required or permitted hereunder shall be in writing and shall be deemed delivered when actually received or, if earlier, on the third day following deposit in a United States Postal Service post office or receptacle, with proper postage affixed (certified mail, return receipt requested), addressed to the respective other Party at the address prescribed in the Contract documents, or at such other address as the receiving party may hereafter prescribe by written notice to the sending party.

Any party wishing to file a claim may call the Texas Department of Insurance at 1-800-252-3439 to obtain Surety's address for claims processing.

IN WITNESS THEREOF, the said Contractor and Surety have signed and sealed this instrument on the respective dates written below their signatures and have attached current Power of Attorney.

ATTEST, SEAL: (if a corporation)
WITNESS: (if not a corporation)

Name of Contractor

By: _____
Name:
Title:

By: _____
Name:
Title:
Date:

ATTEST/SURETY WITNESS:
(SEAL)

Full Name of Surety

Address of Surety for Notice

Telephone Number of Surety

By: _____
Name:
Title:
Date:

By: _____
Name:
Title: Attorney-in-Fact
Date:

This Ordinance or Contract has been reviewed as to form by the undersigned legal assistant and have been found to meet established Legal Department criteria. The Legal Department has not reviewed the content of these documents.

Legal Assistant

Date

END OF DOCUMENT

Document 00611

STATUTORY PAYMENT BOND

THAT WE, _____, as Principal, hereinafter called Contractor and the other subscriber hereto, _____, as Surety, do hereby acknowledge ourselves to be held and firmly bound unto the City of Houston, a municipal corporation, in the sum of \$_____ for the payment of which sum, well and truly to be made to the City of Houston, and its successors, the said Contractor and Surety do bind themselves, their heirs, executors, administrators, successors, jointly and severally.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:

WHEREAS, the Contractor has on or about this day executed a contract in writing with the City of Houston for _____, all of such work to be done as set out in full in said Contract documents therein referred to and adopted by the City Council, all of which are made a part of this instrument as fully and completely as if set out in full herein;

NOW, THEREFORE, if the said Contractor shall pay all claimants supplying labor and materials to him or a Subcontractor in the prosecution of the Work provided for in the Contract, then, this obligation shall be void; otherwise the same is to remain in full force and effect;

PROVIDED HOWEVER, that this Bond is executed pursuant to the provisions of Chapter 2253, Texas Government Code, as amended, and all liabilities on this Bond shall be determined in accordance with the provisions of said Article to the same extent as if it were copied at length herein.

IN WITNESS THEREOF, the said Contractor and Surety have signed and sealed this instrument on the respective dates written below their signatures and have attached current Power of Attorney.

Any party wishing to file a claim may obtain Surety's address for claims processing on file with the Texas Department of Insurance by calling [1-800-252-3439](tel:1-800-252-3439).

ATTEST, SEAL: (if a corporation)
WITNESS: (if not a corporation)

Name of Contractor

By: _____
Name:
Title:

By: _____
Name:
Title:
Date:

ATTEST/SURETY WITNESS:
(SEAL)

Full Name of Surety

Address of Surety for Notice

Telephone Number of Surety

By: _____
Name:
Title:
Date:

By: _____
Name:
Title: Attorney-in-Fact
Date:

This Ordinance or Contract has been reviewed as to form by the undersigned legal assistant and have been found to meet established Legal Department criteria. The Legal Department has not reviewed the content of these documents.

Legal Assistant

Date

END OF DOCUMENT

Document 00612

ONE-YEAR MAINTENANCE BOND

THAT WE, _____, as Principal, hereinafter called Contractor, and the other subscriber hereto, _____, as Surety, do hereby acknowledge ourselves to be held and firmly bound to the City of Houston, a municipal corporation, in the sum of \$_____, for the payment of which sum well and truly to be made to the City of Houston and its successors, the said Contractor and Surety do bind themselves, their heirs, executors, administrators, successors, jointly and severally.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:

WHEREAS, the Contractor has on or about this day executed a Contract in writing with the City of Houston for _____, _____, all of such work to be done as set out in full in said Contract documents therein referred to and adopted by the City Council, all of which are made a part of this instrument as fully and completely as if set out in full herein.

NOW THEREFORE, if the said Contractor shall comply with the provisions of Paragraph 11.5.1 of the General Conditions, and correct work not in accordance with the Contract documents discovered within the established one-year period, then this obligation shall become null and void, and shall be of no further force and effect; otherwise, the same is to remain in full force and effect.

Notices required or permitted hereunder shall be in writing and shall be deemed delivered when actually received or, if earlier, on the third day following deposit in a United States Postal Service post office or receptacle, with proper postage affixed (certified mail, return receipt requested), addressed to the respective other party at the address prescribed in the Contract documents, or at such other address as the receiving party may hereafter prescribe by written notice to the sending party.

IN WITNESS THEREOF, the said Contractor and Surety have signed and sealed this instrument on the respective dates written below their signatures and have attached current Power of Attorney.

ATTEST, SEAL: (if a corporation)
WITNESS: (if not a corporation)

Name of Contractor

By: _____
Name:
Title:

By: _____
Name:
Title:
Date:

ATTEST/SURETY WITNESS:

(SEAL)

Full Name of Surety

Address of Surety for Notice

Telephone Number of Surety

By: _____

Name:

Title:

Date:

By: _____

Name:

Title: Attorney-in-Fact

Date:

This Ordinance or Contract has been reviewed as to form by the undersigned legal assistant and have been found to meet established Legal Department criteria. The Legal Department has not reviewed the content of these documents.

Legal Assistant

Date

END OF DOCUMENT

Document 00613

ONE-YEAR SURFACE CORRECTION BOND

THAT WE, _____, as Principal, hereinafter called Contractor, and the other subscriber hereto, _____, as Surety, do hereby acknowledge ourselves to be held and firmly bound to the City of Houston, a municipal corporation, in the sum of \$_____, such sum being equal to four percent of the Original Contract Price, for the payment of which sum to be made to the City of Houston and its successors, Contractor and Surety do bind themselves, their successors, jointly and severally.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH THAT:

WHEREAS, the Contractor has entered into a Contract in writing with the City of Houston, Texas, dated of even date herewith, for _____, all of such work to be done in accordance with the Contract documents therein referred to, and adopted by the City Council of the City of Houston.

NOW THEREFORE, if the Contractor shall comply with the provisions of Paragraph 11.5.1 of the General Conditions, and repair, replace, restore, and correct surface work associated with backfill operations of subsurface work not in accordance with the Contract documents discovered within one year from the date that the One-year Maintenance Bond has expired, then this obligation shall become null and void, and shall be of no further force and effect; otherwise, the same is to remain in full force and effect.

Notices required or permitted hereunder shall be in writing and shall be deemed delivered when actually received or, if earlier, on the third day following deposit in a United States Postal Service post office or receptacle, with proper postage affixed (certified mail, return receipt requested), addressed to the respective other party at the address prescribed in the Contract documents, or at such other address as the receiving party may hereafter prescribe by written notice to the sending party.

IN WITNESS THEREOF, the said Principal and Surety have signed and sealed this instrument on the respective dates written below their signatures.

ATTEST, SEAL: (if a corporation)
WITNESS: (if not a corporation)

Name of Contractor

By: _____
Name:
Title:

By: _____
Name:
Title:
Date:

ATTEST/SURETY WITNESS:

(SEAL)

Full Name of Surety

Address of Surety for Notice

Telephone Number of Surety

By: _____

Name:

Title:

Date:

By: _____

Name:

Title: Attorney-in-Fact

Date:

This Ordinance or Contract has been reviewed as to form by the undersigned legal assistant and have been found to meet established Legal Department criteria. The Legal Department has not reviewed the content of these documents.

Legal Assistant

Date

END OF DOCUMENT

Document 00620

AFFIDAVIT OF INSURANCE

BEFORE ME, the undersigned authority, on this day personally appeared

_____, who
Affiant

being by me duly sworn on his oath stated that he is _____, of
Title

_____,
Contractor's Company Name

the Contractor named and referred to within the Contract documents; that he is fully competent and authorized to give this affidavit and that the attached original insurance certificate truly and accurately reflects the insurance coverage that is now available and will be available during the term of the Contract.

Affiant's Signature

SWORN AND SUBSCRIBED before me on _____.
Date

Notary Public in and for the State of TEXAS

Print or type Notary Public name

My Commission Expires: _____
Expiration Date

END OF DOCUMENT



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | | |
|----------|-------------------------------|----------------|--------|
| PRODUCER | CONTACT NAME: | | |
| | PHONE (A/C, No, Ext): | FAX (A/C, No): | |
| INSURED | E-MAIL ADDRESS: | | |
| | INSURER(S) AFFORDING COVERAGE | | NAIC # |
| | INSURER A : | | |
| | INSURER B : | | |
| | INSURER C : | | |
| | INSURER D : | | |
| | INSURER E : | | |
| | INSURER F : | | |

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|----------|--|-----------|----------|---------------|-------------------------|-------------------------|---|--------|
| | GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC | | | | | | EACH OCCURRENCE | \$ |
| | | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | \$ |
| | | | | | | | MED EXP (Any one person) | \$ |
| | | | | | | | PERSONAL & ADV INJURY | \$ |
| | | | | | | | GENERAL AGGREGATE | \$ |
| | | | | | | | PRODUCTS - COMP/OP AGG | \$ |
| | | | | | | | | \$ |
| | AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS | | | | | | COMBINED SINGLE LIMIT (Ea accident) | \$ |
| | | | | | | | BODILY INJURY (Per person) | \$ |
| | | | | | | | BODILY INJURY (Per accident) | \$ |
| | | | | | | | PROPERTY DAMAGE (Per accident) | \$ |
| | | | | | | | | \$ |
| | UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED <input type="checkbox"/> RETENTION \$ | | | | | | EACH OCCURRENCE | \$ |
| | | | | | | | AGGREGATE | \$ |
| | | | | | | | | \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICE/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | WC STATU-TORY LIMITS | OTH-ER |
| | | | | | | | E.L. EACH ACCIDENT | \$ |
| | | | | | | | E.L. DISEASE - EA EMPLOYEE | \$ |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | \$ |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Project Name:

Project #:

CERTIFICATE HOLDER

City of Houston
 Aviation Division
 611 Walker Street
 Houston TX 77002

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Document 00628

AFFIDAVIT OF COMPLIANCE WITH
DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM
FOR PROJECT FUNDED BY AIP GRANT

BEFORE ME, the undersigned authority, on this day personally appeared

_____, who
Affiant

being by me duly sworn on his oath stated that he is _____,
Title

of _____,
Contractor

the Contractor named and referred to within the Contract documents; that he is fully competent and authorized to give this affidavit and that the Contract is in compliance with the Disadvantaged Business Enterprise Program of the City and has done all that is required by the Contract documents, the Disadvantaged Business Enterprise Program, and pursuant to Chapter 15, Code of Ordinances, City of Houston, §15.16 et seq.

Affiant's Signature

SWORN AND SUBSCRIBED before me on this day of _____, 20__.

Notary Public in and for the State of TEXAS

Print or Type Notary Public Name

My Commission Expires: _____
Expiration Date

END OF DOCUMENT

Document 00629

AFFIDAVIT FOR FAA FORM 7460-1

BEFORE ME, the undersigned authority, on this day personally appeared

_____, who
Affiant

being by me duly sworn on his oath stated that he is _____,
Title

of _____,
Contractor

the Contractor named and referred to within the Contract documents; that he is fully competent and authorized to give this affidavit and that Affiant affirms **the maximum height*** of construction equipment used for the Work shall not exceed _____ feet in height during use within the contract limits from _____, 20__ through _____, 20__.

Affiant's Signature

SWORN AND SUBSCRIBED before me on this day of _____, 20__.

Notary Public in and for the State of TEXAS

Print or Type Notary Public Name

My Commission Expires: _____
Expiration Date

****Notes:** The Contractor must contact PDC Planning Division (Contact: Juan Pedracova @ Tel: 281-230-8915, or Email: Juan.Pedracova@houstontx.gov) to initiate process of securing approval of the maximum construction equipment height from the FAA.

END OF DOCUMENT



Federal Aviation Administration

10101 Hillwood Parkway
Federal Aviation Administration
Fort Worth, TX 76177

Jesse Carriger

March 07, 2024

TO:

Juan Pedracova

Attn: Houston Airport System

18600 Lee Rd

Humble, TX 77338

Juan.Pedracova@houstontx.gov

RE: (See attached Table 1 for referenced case(s))

****FINAL DETERMINATION****

Table 1 - Letter Referenced Case(s)

| ASN | Prior ASN | Location | Latitude (NAD83) | Longitude (NAD83) | AGL (Feet) | AMSL (Feet) |
|-------------------|-----------|------------|------------------|-------------------|------------|-------------|
| 2024-ASW-1269-NRA | | HOUSTON,TX | 29-58-51.34N | 95-19-44.40W | 18 | 107 |
| 2024-ASW-1270-NRA | | HOUSTON,TX | 29-58-51.35N | 95-19-44.74W | 18 | 107 |
| 2024-ASW-1271-NRA | | HOUSTON,TX | 29-58-50.41N | 95-19-44.77W | 18 | 107 |
| 2024-ASW-1272-NRA | | HOUSTON,TX | 29-58-50.42N | 95-19-44.43W | 18 | 107 |

Description: Expansion of the south lighting vault renovation. HAS will add three 18 ft high exterior walls west of the current vault location. The coordinates are available in the attachments.

We do not object to the construction described in this proposal provided:

You comply with the requirements set forth in FAA Advisory Circular 150/5370-2, "Operational Safety on Airports During Construction."

For current Advisory Circulars go to www.oiaa.faa.gov

This determination does not constitute FAA approval or disapproval of the physical development involved in the proposal. It is a determination with respect to the safe and efficient use of navigable airspace by aircraft and with respect to the safety of persons and property on the ground.

In making this determination, the FAA has considered matters such as the effects the proposal would have on existing or planned traffic patterns of neighboring airports, the effects it would have on the existing airspace structure and projected programs of the FAA, the effects it would have on the safety of persons and property on the ground, and the effects that existing or proposed manmade objects (on file with the FAA), and known natural objects within the affected area would have on the airport proposal.

This determination expires on September 7, 2025 unless:

(a) extended, revised or terminated by the issuing office.

(b) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for the completion of construction, or the date the FCC denies the application.

NOTE: Request for extension of the effective period of this determination must be obtained at least 60 days prior to expiration date specified in this letter.

If you have any questions concerning this determination contact Roman Piñon (817) 222-5613 roman.pinon@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2024-ASW-1269-NRA.

Roman Piñon

ADO

Signature Control No: 612946537-614927956



2024-1269
2024-1270
2024-1271
2024-1272

672



City of Houston Pay or Play Program Certification of Compliance



Prime Contractor: _____ Subcontractor: _____

Address: _____

Outline Number: _____ Contract Amount: \$ _____

Project Name: [Legal Project Name] _____

Contracting Department: _____

In accordance with the City of Houston Pay or Play Program authorized by Ordinance 2007-534 and Executive Order 1-7, Prime/Subcontractor agrees to abide by the terms of this Program. This certification is required of all contractors for contracts subject to the program. You must agree either to PAY, PLAY or BOTH for all covered employees. If selecting BOTH, the Contractor/Subcontractor may Pay on behalf of some covered employees and Play on behalf of the remaining covered employees.

The Prime/Subcontractor will comply with all provisions of the Pay or Play Program Requirements and will furnish all information and reports requested to determine compliance of the Pay or Play Program (See Executive Order 1-7 for the terms of the Pay or Play program).

The Prime/Subcontractor may agree to **“Pay”** \$1.00 per hour for work performed by covered employees under the contract with the City. If independent contract labor is utilized the Contractor/Subcontractor agrees to report hours worked by the independent contract laborer and pay \$1.00 per hour for work performed.

The Prime/Subcontractor may agree to **“Play”** by providing health benefits to each covered employee. The health benefits must meet the following criteria:

- The employer contributes no less than 75% of the total premium costs per covered employee per month toward the total premium cost.
- The covered employee contributes, if any amount, no greater than 25% of the total monthly premium costs.

| | | | |
|---|------------|-------------|-------------|
| Please select whether you choose to: | Pay | Play | Both |
| | | | |

The Prime/Subcontractor will file compliance reports with the City, which will include activity for covered employees subject to the program, in the form and to the extent requested by the administering department. Compliance reports shall contain information including, but not limited to, documentation showing employee health coverage and employee work records.

Note: The contractor is responsible to the City for compliance of covered employees of covered subcontractors.

| Please indicate the estimated number of: | PRIME | SUB |
|--|-------|-----|
| Total Employees on City Job | | |
| Covered Employees | | |
| Non-Covered Employees | | |
| Exempt Employees | | |

I hereby certify that the above information is true and correct.

Please Sign

Date

Please Print Name & Title



City of Houston Pay or Play Program Participating Subcontractors



Prime Contractor: _____
 Project Number/Description: _____

POP Contact Person: _____
 Address: _____

 Email: _____
 Phone: _____

Note: Include ALL subcontractors (use additional form if necessary)

| Subcontractor Name | Supplier Y/N? | Amount of Subcontract | Check One | | | | Contact Person | Phone | Email Address | Mailing Address |
|--------------------|---------------|-----------------------|-----------|------|---------------------|-----|----------------|-------|---------------|-----------------|
| | | | Pay | Play | Both (Pay and Play) | N/A | | | | |
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*If the above information is found to be submitted fraudulently with the intent to bypass or deceive the purpose of the Pay or Play Program the contractor will be held liable for all compliance requirements from the inception of the contract. All subcontracts that surpass the \$200,000.00 threshold will be responsible for Pay or Play compliance from the inception of the contract.

Affidavit

I hereby solemnly affirm, certify and confirm that the total sub-contract value stated above is the final value of the contract (*) including all material costs, fuel, payroll, taxes, fees, profit sharing, labor or any payments in relation to the contracted work and no separate payment or contract has been made for the sub-contract under contract no._____. The above sub-contract value includes all the costs related to work under the contract. The contractor and sub-contractor(s) agree to inform the Office of Business Opportunity of any related cost(s) added to the contracted work and re-submit POP-3 with the current value of the sub-contract. I understand that compliance with "Pay or Play" program is mandatory and nothing has been hidden to circumvent the program requirements.

 Contractor Authorized Representative & Title
 Name & Signature

 Date

City of Houston
Pay or Play Program
List of Subcontractors



Prime Contractor: _____
Project Number/Description: _____

POP Contact Person: _____
Address: _____

Email: _____
Phone: _____

Note: Include ALL subcontractors (use additional form if necessary)

| Subcontractor Name | Supplier Y/N? | Amount of Subcontract | Check One | | | | Contact Person | Phone | Email Address | Mailing Address |
|--------------------|---------------|-----------------------|-----------|------|---------------------|-----|----------------|-------|---------------|-----------------|
| | | | Pay | Play | Both (Pay and Play) | N/A | | | | |
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*If the above information is found to be submitted fraudulently with the intent to bypass or deceive the purpose of the Pay or Play Program the contractor will be held liable for all compliance requirements from the inception of the contract. All subcontracts that surpass the \$200,000.00 threshold will be responsible for Pay or Play compliance from the inception of the contract.

Affidavit

I hereby solemnly affirm, certify and confirm that the total sub-contract value stated above is the final value of the contract (*) including all material costs, fuel, payroll, taxes, fees, profit sharing, labor or any payments in relation to the contracted work and no separate payment or contract has been made for the sub-contract under contract no. _____. The above sub-contract value includes all the costs related to work under the contract. The contractor and sub-contractor(s) agree to inform The Mayor's Office of Business Opportunity of any related cost(s) added to the contracted work and re-submit POP-3 with the current value of the sub-contract. I understand that compliance with "Pay or Play" program is mandatory and nothing has been hidden to circumvent the program requirements.

Contractor Authorized Representative & Title
Name & Signature

Date

Document 00632

CERTIFICATION BY PROPOSED MATERIAL SUPPLIERS,
LESSORS, AND PROFESSIONAL SERVICE PROVIDERS
REGARDING EQUAL EMPLOYMENT OPPORTUNITY

Company Name: _____ \$ _____
(Supplier, Lessor, Professional Service Provider) (Amount of Contract)

Company Address: _____

Company Telephone Number: _____ Fax: _____

E-mail Address: _____

Web Page/URL Address: _____

Company Tax Identification Number: _____

Project Name & No.: _____

Materials/Services Provided: _____

In accordance with Chapter 15 of the City of Houston's Code of Ordinances, Supplier/Lessor/Professional Service Provider represents to be an equal opportunity employer and agrees to abide by the terms of the Ordinance. This certification is required of all Suppliers/Lessors/Professional Service Providers providing goods or service to this project with agreements \$50,000 or more.

Yes No Supplier agrees not to discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, or age.

Yes No Supplier agrees that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex, national origin, or age.

Yes No Supplier will comply with all provisions of **Executive Order No. 11246** and rules, regulations and applicable orders of the Department of Labor or other Federal Agency responsible for enforcement of applicable equal opportunity and affirmative action provisions and will likewise furnish all information and reports required by the Mayor or Contract Compliance Officers for the purpose of investigation to ascertain and effect compliance with the City of Houston's Office of Business of Opportunity.

Yes No The Supplier shall file and cause their sub-tier contractors to file compliance reports with the City in the form and to the extent as may be prescribed by the Mayor or Contract Compliance Officers. Compliance reports filed at such times as directed shall contain information including, but not limited to, the practices, policies, programs, and employment policies.

I hereby certify that the above information is true and correct.

COMPANY OFFICER (Signature) DATE

NAME AND TITLE (Print or type)

END OF DOCUMENT

Document 00636

Certificate of Interested Parties

In accordance with Texas Gov't Code §2252.908, the successful bidder must complete Form 1295, Certificate of Interested Parties. Form 1295 is available for downloading on the Texas Ethics Commission's (TEC) website: <https://www.ethics.state.tx.us/forms/1295.pdf>.

The successful bidder must use the application to enter the required information on Form 1295 and print a copy of the completed form, which will include a certification of filing that will contain a unique certification number.

No later than 30 days after the contract's effective date, the City will upload the successful bidder's completed Form 1295. The TEC will post the Contractor's completed Form 1295 within seven business days of receipt.

For your reference, Form 1295 is attached as part of this document.

END OF DOCUMENT

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

OFFICE USE ONLY

Complete Nos. 1 - 4 and 6 if there are interested parties.
 Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.

| 4 Name of Interested Party | City, State, Country (place of business) | Nature of Interest (check applicable) | |
|-------------------------------|---|---------------------------------------|--------------|
| | | Controlling | Intermediary |
| | | | |
| | | | |
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| | | | |

5 Check only if there is NO Interested Party.

6 UNSWORN DECLARATION

My name is _____, and my date of birth is _____.

My address is _____, _____, _____, _____, _____.
(street) (city) (state) (zip code) (country)

I declare under penalty of perjury that the foregoing is true and correct.

Executed in _____ County, State of _____, on the _____ day of _____, 20____.
(month) (year)

 Signature of authorized agent of contracting business entity
 (Declarant)

ADD ADDITIONAL PAGES AS NECESSARY

Document 00700

GENERAL CONDITIONS

AUGUST 7, 2023 EDITION

TABLE OF ARTICLES

- | | | | |
|----|---|-----|---|
| 1. | GENERAL PROVISIONS | 8. | TIME |
| 2. | THE CITY | 9. | PAYMENTS AND COMPLETION |
| 3. | CONTRACTOR | 10. | SAFETY PRECAUTIONS |
| 4. | ADMINISTRATION OF THE CONTRACT | 11. | INSURANCE AND BONDS |
| 5. | SUBCONTRACTORS AND SUPPLIERS | 12. | UNCOVERING AND CORRECTION OF THE WORK |
| 6. | CONSTRUCTION BY THE CITY OR BY SEPARATE CONTRACTORS | 13. | MISCELLANEOUS PROVISIONS |
| 7. | CHANGES IN THE WORK | 14. | TERMINATION OR SUSPENSION OF THE CONTRACT |

| | | | |
|--|-----------|--|----|
| ARTICLE 1 – GENERAL PROVISIONS..... | 4 | ARTICLE 4 - ADMINISTRATION OF THE CONTRACT | 23 |
| 1.1 DEFINITIONS | 4 | 4.1 CONTRACT ADMINISTRATION..... | 23 |
| 1.2 EXECUTION, CORRELATION AND INTENT.. | 7 | 4.2 COMMUNICATIONS IN ADMINISTRATION OF THE CONTRACT | 24 |
| 1.3 OWNERSHIP OF DOCUMENTS..... | 8 | 4.3 CLAIMS AND DISPUTES..... | 24 |
| 1.4 INTERPRETATION..... | 8 | 4.4 RESOLUTION OF CLAIMS AND DISPUTES | 25 |
| ARTICLE 2 – THE CITY | 8 | 4.5 CONDITION PRECEDENT TO SUIT; WAIVER OF ATTORNEY FEES AND INTEREST | 26 |
| 2.1 LIMITATIONS OF THE CITY’S OFFICERS AND EMPLOYEES..... | 8 | 4.6 INTERIM PAYMENT WAIVER & RELEASE | 26 |
| 2.2 DUTIES OF THE CITY..... | 8 | ARTICLE 5 – SUBCONTRACTORS AND SUPPLIERS | 26 |
| 2.3 AVAILABILITY OF LAND AND USE OF SITE | 9 | 5.1 AWARD OF SUBCONTRACTS OTHER CONTRACTS FOR PORTIONS OF THE WORK | 26 |
| 2.4 THE CITY’S RIGHT TO STOP THE WORK ... | 9 | 5.2 CONTRACTOR RESPONSIBILITY FOR SUBCONTRACTORS | 26 |
| 2.5 THE CITY’S RIGHT TO CARRY OUT WORK | 9 | ARTICLE 6 - CONSTRUCTION BY THE CITY OR BY SEPARATE CONTRACTORS..... | 27 |
| ARTICLE 3 – CONTRACTOR | 10 | 6.1 THE CITY’S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS | 27 |
| 3.1 RESPONSIBILITIES..... | 10 | 6.2 COORDINATION..... | 27 |
| 3.2 REVIEW OF CONTRACT AND FIELD CONDITIONS BY CONTRACTOR..... | 10 | 6.3 MUTUAL RESPONSIBILITY | 28 |
| 3.3 SUPERVISION AND CONSTRUCTION PROCEDURES..... | 10 | 6.4 THE CITY’S RIGHT TO CLEAN UP..... | 28 |
| 3.4 SUPERINTENDENT..... | 10 | ARTICLE 7 – CHANGES IN THE WORK | 28 |
| 3.5 LABOR; MINORITY AND WOMEN BUSINESS ENTERPRISE COMPLIANCE | 11 | 7.1 CHANGES..... | 28 |
| 3.6 PREVAILING WAGE RATES..... | 13 | 7.2 WORK CHANGE DIRECTIVES | 28 |
| 3.7 LABOR CONDITIONS | 13 | 7.3 ADJUSTMENTS IN CONTRACT PRICE | 29 |
| 3.8 DRUG DETECTION AND DETERRENCE ... | 13 | 7.4 MINOR CHANGES IN THE WORK..... | 30 |
| 3.9 MATERIALS & EQUIPMENT..... | 14 | ARTICLE 8 – TIME..... | 31 |
| 3.10 PRODUCT OPTIONS AND SUBSTITUTIONS | 15 | 8.1 PROGRESS AND COMPLETION..... | 31 |
| 3.11 CASH ALLOWANCES | 16 | 8.2 DELAYS AND EXTENSIONS OF TIME..... | 31 |
| 3.12 WARRANTY..... | 16 | ARTICLE 9 – PAYMENTS AND COMPLETION..... | 32 |
| 3.13 TAXES | 17 | 9.1 UNIT PRICE WORK..... | 32 |
| 3.14 PERMITS, FEES, AND NOTICES..... | 17 | 9.2 ESTIMATES FOR PAYMENT, UNIT PRICE WORK | 33 |
| 3.15 CONSTRUCTION SCHEDULES | 17 | 9.3 STIPULATED PRICE WORK | 33 |
| 3.16 DOCUMENTS AND SAMPLES AT THE SITE | 17 | 9.4 APPLICATIONS FOR PAYMENT, STIPULATED PRICE WORK | 33 |
| 3.17 MANUFACTURER’S SPECIFICATIONS..... | 18 | 9.5 CERTIFICATES FOR PAYMENT..... | 33 |
| 3.18 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES | 18 | 9.6 COMPUTATIONS OF CERTIFICATES FOR PAYMENT | 34 |
| 3.19 CULTURAL RESOURCES AND ENDANGERED SPECIES..... | 19 | 9.7 DECISIONS TO WITHHOLD CERTIFICATION | 34 |
| 3.20 CUTTING AND PATCHING..... | 19 | 9.8 PROGRESS PAYMENTS | 34 |
| 3.21 CLEANING..... | 19 | 9.9 DATE OF SUBSTANTIAL COMPLETION.... | 35 |
| 3.22 SANITATION..... | 20 | | |
| 3.23 ACCESS TO WORK AND TO INFORMATION | 20 | | |
| 3.24 TRADE SECRETS..... | 20 | | |
| 3.25 INDEMNIFICATION | 20 | | |
| 3.26 RELEASE AND INDEMNIFICATION – PATENT, COPYRIGHT, TRADEMARK, AND TRADE SECRET INFRINGEMENT | 21 | | |
| 3.27 INDEMNIFICATION PROCEDURES..... | 21 | | |
| 3.28 CONTRACTOR DEBT..... | 22 | | |
| 3.29 PRESERVATION OF CONTRACTING INFORMATION..... | 22 | | |

| | | | | | |
|---|--|----|------|--|----|
| 9.10 | PARTIAL OCCUPANCY OR USE | 36 | 14.2 | TERMINATION BY THE CITY FOR CONVENIENCE | 50 |
| 9.11 | FINAL COMPLETION AND FINAL PAYMENT | 36 | 14.3 | SUSPENSION BY THE CITY FOR CONVENIENCE | 50 |
| 9.12 | LIQUIDATED DAMAGES..... | 37 | 14.4 | TERMINATION BY CONTRACTOR..... | 51 |
| ARTICLE 10 – SAFETY PRECAUTIONS..... | | 38 | | | |
| 10.1 | SAFETY PROGRAMS | 38 | | | |
| 10.2 | POLLUTANTS AND POLLUTANT FACILITIES | 38 | | | |
| 10.3 | SAFETY OF THE ENVIRONMENT, PERSONS, AND PROPERTY..... | 38 | | | |
| 10.4 | EMERGENCIES..... | 39 | | | |
| ARTICLE 11 – INSURANCE AND BONDS | | 39 | | | |
| 11.1 | GENERAL INSURANCE REQUIREMENTS. | 39 | | | |
| 11.2 | INSURANCE TO BE PROVIDED BY CONTRACTOR..... | 39 | | | |
| 11.3 | PROOF OF INSURANCE | 43 | | | |
| 11.4 | PERFORMANCE AND PAYMENT BONDS . | 44 | | | |
| 11.5 | MAINTENANCE BONDS | 44 | | | |
| 11.6 | SURETY..... | 44 | | | |
| 11.7 | DELIVERY OF BONDS..... | 45 | | | |
| ARTICLE 12 - UNCOVERING AND CORRECTION OF THE WORK..... | | 45 | | | |
| 12.1 | UNCOVERING OF THE WORK | 45 | | | |
| 12.2 | CORRECTION OF THE WORK..... | 45 | | | |
| 12.3 | ACCEPTANCE OF NONCONFORMING WORK | 46 | | | |
| ARTICLE 13 – MISCELLANEOUS PROVISIONS..... | | 46 | | | |
| 13.1 | GOVERNING LAW AND VENUE | 46 | | | |
| 13.2 | SUCCESSORS..... | 46 | | | |
| 13.3 | BUSINESS STRUCTURE AND ASSIGNMENTS | 46 | | | |
| 13.4 | WRITTEN NOTICE | 47 | | | |
| 13.5 | RIGHTS AND REMEDIES | 47 | | | |
| 13.6 | TESTS AND INSPECTIONS..... | 47 | | | |
| 13.7 | INTEREST | 47 | | | |
| 13.8 | PARTIES IN INTEREST | 48 | | | |
| 13.9 | ENTIRE CONTRACT..... | 48 | | | |
| 13.10 | WRITTEN AMENDMENT..... | 48 | | | |
| 13.11 | COMPLIANCE WITH LAWS | 48 | | | |
| 13.12 | SEVERABILITY..... | 48 | | | |
| 13.13 | COMPLIANCE WITH CERTAIN STATE LAW REQUIREMENTS | 48 | | | |
| 13.14 | ZERO TOLERANCE POLICY FOR HUMAN TRAFFICKING & RELATED ACTIVITIES..... | 48 | | | |
| ARTICLE 14 - TERMINATION OR SUSPENSION OF THE CONTRACT | | 48 | | | |
| 14.1 | TERMINATION BY THE CITY FOR CAUSE | 49 | | | |

ARTICLE1
GENERAL PROVISIONS

1.1 DEFINITIONS.

- 1.1.1 Agreement:** Document signed by the Parties and binding the Parties, containing the name of Contractor, title and location of the Project, Original Contract Time, Original Contract Price, enumeration of documents included in the Contract, and other provisions.
- 1.1.2 Bonds:** Performance Bond, Payment Bond, Maintenance Bond, and other Surety instruments executed by Surety. When in singular form, refers to individual instrument.
- 1.1.3 Business Enterprise:** Any business entity registered in a program authorized by 49 C.F.R. § 26 (where applicable) or City Code of Ordinances, Chapter 15, Article II, relating to Equal Opportunity Employment and taking affirmative action to ensure that applicants are employed and employees are treated without regard to race, religion, color, sex, national origin, or age. The term "Business Enterprise" may include any Disadvantaged Business Enterprise ("DBE"), Minority Business Enterprise ("MBE"), Woman Business Enterprise ("WBE"), Small Business Enterprise ("SBE"), Person with Disability Enterprise ("PDBE"), and any Historically Underutilized Business ("HUB").
- 1.1.4 Business Enterprise Policy:** Contract documents and applicable policies relating to Business Enterprises and authorized under 49 C.F.R. § 26 or City Code of Ordinances, Chapter 15, Article V.
- 1.1.5 Cash Allowance:** An estimated sum of money to be used only for a limited class of expenditures such as utility relocation costs, fees for special licenses or permits, or other "pass-through" costs that would be the same for any contractor. Cash Allowances may not be used to purchase goods or services that are not specified in the Contract. The unspecified items must be purchased according to the terms of Article 7.
- 1.1.6 Change Order:** Written instrument prepared by the City and signed by City Engineer and Contractor, specifying the following:
- 1.1.6.1 a change in the Work;
 - 1.1.6.2 a change in Contract Price, if any; and
 - 1.1.6.3 a change in Contract Time, if any.
- The value of a Change Order is the net amount after offsetting all deductions against all additions effected by the Change Order.
- 1.1.7 City:** The City of Houston, a home rule municipality located principally within Harris County, Texas, including its successors and its authorized representatives.
- 1.1.8 City Engineer:** The City Engineer, or the City employee representing the City Engineer, designated in the Agreement and authorized to represent the City, or successors.
- 1.1.9 Claim:** Written demand or written assertion by one Party seeking adjustment of the Contract, payment of money, extension of time, or other relief under the Contract and includes, but is not limited to, claims for materials, labor, equipment, delay, changes, adjustments, substitutions, fees and third party claims. The Party making the Claim has the responsibility to substantiate the Claim.
- 1.1.10 Conditions of the Contract:** General Conditions and Supplementary Conditions.

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- 1.1.11 *Construction Manager:* Person or firm under contract with the City as its authorized representative to oversee and administer construction of the Work, and who may perform the role of Project Manager and Inspector, as designated by City Engineer in writing.
- 1.1.12 *Contract:* The Agreement; documents enumerated in and incorporated into the Agreement, Modifications, and amendments.
- 1.1.13 *Contract Price:* The monetary amount stated in the Agreement adjusted by Change Order, and increases or decreases in Unit Price Quantities, if any.
- 1.1.14 *Contract Time:* The number of days stated in the Agreement to substantially complete the Work, plus days authorized by Change Order.
- 1.1.15 *Contractor:* Person or firm identified as such in the Agreement including its successors and its authorized representatives.
- 1.1.16 *Date of Commencement of the Work:* Date established in Notice to Proceed on which Contract Time will commence. This date will not be changed by failure of Contractor, or persons or entities for whom Contractor is responsible, to act.
- 1.1.17 *Date of Substantial Completion:* Date that construction, or portion thereof designated by City Engineer, is certified by City Engineer to be substantially complete.
- 1.1.18 *Design Consultant:* Person or firm, under contract with the City, to provide professional services during construction and its authorized representatives. If a Design Consultant is not employed for services during construction, Project Manager will perform duties of Design Consultant designated in the Contract in addition to usual duties of Project Manager.
- 1.1.19 *Drawings:* Graphic and pictorial portions of the Contract that define the character and scope of the Work.
- 1.1.20 *Extra Unit Price:* Unit Prices, which may be required for completion of the Work. These Unit Prices and Unit Price Quantities are in the Contract and are included in Original Contract Price.
- 1.1.21 *Furnish:* To supply, pay for, deliver to the site, and unload.
- 1.1.22 *General Requirements:* The sections of Division 01 Specifications that specify administrative and procedural requirements and temporary facilities required for the Work.
- 1.1.23 *Inspector:* City's employee or agent authorized to assist with inspection of the Work.
- 1.1.24 *Install:* Unpack, assemble, erect, place, anchor, apply, work to dimension, finish, cure, clean, protect, and similar operations.
- 1.1.25 *Legal Holiday:* Day established by the City Council as a holiday.
- 1.1.26 *Major Unit Price Work:* An individual Unit Price item,
1.1.26.1 whose value is greater than five percent of Original Contract Price,
1.1.26.2 whose value becomes greater than five percent of Original Contract Price as the result of an increase in quantity, or
1.1.26.3 whose value is \$100,000, whichever is least.

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- 1.1.27 *Mayor's Office of Business Opportunity*: any reference to, or use of, the "Office of Affirmative Action" shall mean the Mayor's Office of Business Opportunity, or any such future name to which it is changed.
- 1.1.28 *Minor Change in the Work*: A written change in the Work, ordered by City Engineer, that does not change Contract Price or Contract Time, and that is consistent with the general scope of the Contract.
- 1.1.29 *Modification*: Change Order, Work Change Directive, or Minor Change in the Work.
- 1.1.30 *Notice of Noncompliance*: A written notice by City Engineer to Contractor regarding defective or nonconforming work that does not meet the Contract requirements, and that establishes a time by which Contractor shall correct the defective or nonconforming work.
- 1.1.31 *Notice to Proceed*: A written notice by City Engineer to Contractor establishing Date of Commencement of the Work.
- 1.1.32 *Original Contract Price*: The monetary amount originally stated in the Agreement.
- 1.1.33 *Parties*: Contractor and the City. When in singular form, refers to Contractor or the City.
- 1.1.34 *Pollutant*: Any materials subject to the Texas Solid Waste Disposal Act.
- 1.1.35 *Pollutant Facility*: Any facility regulated by the State of Texas to protect the health and environment from contamination by Pollutants, including without limitation, landfills, oil and gas production and storage facilities, wastewater facilities, waste injection wells, and storage tanks (including drums).
- 1.1.36 *Product*: Materials, equipment, or systems incorporated into the Work or to be incorporated into the Work.
- 1.1.37 *Product Data*: Illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by Contractor to illustrate a Product.
- 1.1.38 *Project*: Total construction, of which the Work performed under the Contract may be the whole or a part, and which may include construction by the City or by separate contractors.
- 1.1.39 *Project Manager*: City Engineer's authorized representative for administration of the Work. Titles used within the City's departments may be different than those used in this definition.
- 1.1.40 *Provide*: Furnish and Install, complete, ready for intended use.
- 1.1.41 *Samples*: Physical examples that illustrate Products, or workmanship, and establish standards by which the Work is judged.
- 1.1.42 *Shop Drawings*: Drawings, diagrams, schedules, and other data specially prepared for the Work by Contractor, Subcontractor or Supplier, to illustrate a portion of the Work.
- 1.1.43 *Specifications*: Divisions 01 through 16 of the documents that are incorporated into the Agreement, consisting of written General Requirements and requirements for Products, standards, and workmanship for the Work, and performance of related services.

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- 1.1.44 *Stipulated Price*: Single lump sum amount stated in the Contract for completion of the Work, or for designated portion of the Work.
- 1.1.45 *Subcontractor*: Person or firm that has direct or indirect contract with Contractor or with another Subcontractor to perform a portion of the Work and its authorized representatives.
- 1.1.46 *Superintendent*: Employee of Contractor having authority and responsibility to act for and represent Contractor.
- 1.1.47 *Supplementary Conditions*: Part of Conditions of the Contract that amends or supplements General Conditions.
- 1.1.48 *Supplier*: Manufacturer, distributor, materialman, or vendor having a direct agreement with Contractor or Subcontractor for Products, or services and its authorized representatives.
- 1.1.49 *Surety*: Corporate entity that is bound by one or more Bonds, and is responsible for completion of the Work, including the correction period, and for payment of debts incurred in fulfilling the Contract. Surety shall include co-surety or reinsurer, as applicable.
- 1.1.50 *Underground Facilities*: Pipes, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments and encasements containing such facilities that exist below ground level.
- 1.1.51 *Unit Price*: An amount stated in the Contract for an individual, measurable item of work, which, when multiplied by actual quantity incorporated into the Work, amounts to full compensation for completion of the item, including work incidental to it.
- 1.1.52 *Unit Price Quantities*: Quantities indicated in the Contract that are approximations made by the City for contracting purposes.
- 1.1.53 *Work*: Entire construction required by the Contract, including all labor, Products, and services provided by Contractor to fulfill Contractor's obligations. The Work may constitute the whole or a portion of the Project.
- 1.1.54 *Work Change Directive*: A written change in the Work, ordered by City Engineer, that is within the general scope of the Contract and consisting of additions, deletions, or other revisions. A Work Change Directive will state proposed basis for adjustment, if any, in Contract Price or Contract Time, or both.
- 1.2 **EXECUTION, CORRELATION, AND INTENT.**
- 1.2.1 Execution of the Contract by Contractor is conclusive that Contractor has visited the Work site, become familiar with local conditions under which the Work will be performed, and fully informed itself as to conditions and matters which can affect the Work or costs. Contractor further agrees that it has carefully correlated personal observations with requirements of the Contract.
- 1.2.2 The Contract and Modifications have been read and carefully considered by Contractor, who understands and agrees to their sufficiency for the Work. The Contract may not be more strongly construed against the City than against Contractor and Surety.
- 1.2.3 Contractor shall include all items necessary for proper execution and completion of the Work.

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- 1.2.4 Reference to standard specifications, manuals, or codes of a technical society, organization, or association, or to laws or regulations of a governmental authority, whether specific or implied, mean the latest edition in effect as of date of receipt of bids, except as may be otherwise specifically stated in the Contract.
- 1.2.5 No provision of any referenced standard, specification, or manual changes the duties and responsibilities of the City, City Engineer, Contractor, or Design Consultant from those set forth in the Contract. Nor do these provisions assign to Design Consultant any duty or authority to supervise or direct performance of the Work or any duty or authority to undertake any actions contrary to provisions of the Contract.
- 1.2.6 Organization of Specifications into divisions, sections, and articles and arrangement of Drawings does not control Contractor in dividing the Work among Subcontractors or in establishing the extent of work to be performed by any trade.
- 1.2.7 Unless otherwise defined in the Contract, words which have well-known construction industry technical meanings are used in the Contract in accordance with these recognized meanings.
- 1.3 **OWNERSHIP AND USE OF DOCUMENTS.**
- 1.3.1 Drawings, Specifications, and other documents prepared by the City or by Design Consultant are instruments of service through which the Work to be executed by Contractor is described. Contractor may retain one Contract record set.
- 1.3.2 Neither Contractor, Subcontractor, nor Supplier will own or claim a copyright to documents contained in the Contract or any part of the Contract.
- 1.3.3 Documents contained in the Contract, prepared by the City or by Design Consultant, and copies furnished to Contractor, are for use solely with respect to the Work. They may not be used by Contractor, Subcontractor or Supplier on other projects or for additions to the Work, outside the scope of the Work, without the specific written consent of City Engineer, and Design Consultant, when applicable.
- 1.3.4 Contractor, Subcontractors, and Suppliers are granted a limited license to use and reproduce applicable portions of the Contract appropriate to and for use in execution of their work under the Contract.
- 1.4 **INTERPRETATION.**
- 1.4.1 Specifications are written in an imperative streamlined form and are directed to Contractor, unless noted otherwise. When written in this form, words "shall be" are included by inference where a colon (:) is used within sentences or phrases.
- 1.4.2 In the interest of brevity, the Contract frequently omits modifying words such as "all" and "any" and articles such as "the" and "an", but an absent modifier or article is not intended to affect interpretation of a statement.

ARTICLE 2

THE CITY

- 2.1 **LIMITATIONS OF THE CITY'S OFFICERS AND EMPLOYEES.** No officer or employee of the City may authorize Contractor to perform an act or work contrary to the Contract, except as otherwise provided in the Contract.
- 2.2 **DUTIES OF THE CITY.**

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- 2.2.1 If a building permit is required, the City will process an application for, and Contractor shall purchase the building permit before Date of Commencement of the Work.
- 2.2.2 The City will make available to Contractor a reproducible set of Drawings. Additional copies will be furnished, on Contractor's request, at the cost of reproduction.
- 2.2.3 When necessary for performance of the Work, the City will provide surveys describing physical characteristics, legal limitations, legal description of site, and horizontal and vertical control adequate to lay out the Work.
- 2.2.4 Information or services that the City is required to provide under the Contract will be provided by the City with reasonable promptness to avoid delay in orderly progress of the Work.
- 2.2.5 The Contract imposes no implied duty on the City. The City does not warrant any plans or specifications associated with the Contract.
- 2.2.6 Except as expressly stated in this Article, the City owes no duty to the Contractor or any subcontractor.
- 2.3 **AVAILABILITY OF LAND AND USE OF SITE.**
- 2.3.1 The City will furnish, as indicated in the Contract, rights-of-way, land on which the Work is to be performed, and other land designated in the Contract for use by Contractor unless otherwise provided in the Contract.
- 2.3.2 Contractor shall confine operations at site to those areas permitted by law, ordinances, permits, and the Contract, and may not unreasonably encumber site with materials or equipment.
- 2.3.3 In addition to land provided by the City under Section 2.3, Contractor shall provide all land and access to land that may be required for use by Contractor for temporary construction facilities or for storage of materials and equipment, and shall indemnify the City during its use of the land as stated in Section 3.25.
- 2.4 **THE CITY'S RIGHT TO STOP THE WORK.** If Contractor fails to carry out the Work in accordance with the Contract, or fails to correct work which is not in accordance with requirements of the Contract as required in Sections 12.1 and 12.2, the City may, by Notice of Noncompliance, order Contractor to stop the Work or any portion of the Work until the cause for the order has been eliminated. However, the right of the City to stop the Work will not give rise to a Claim for delay or to a duty on the part of the City to exercise this right for the benefit of Contractor or any other person or entity, except to the extent required by Section 6.2. If Contractor corrects the defective or nonconforming work within the time established in Notice of Noncompliance, City Engineer will give written notice to Contractor to resume performance of the Work.
- 2.5 **THE CITY'S RIGHT TO CARRY OUT WORK.**
- 2.5.1 If Contractor fails to carry out work in accordance with the Contract, and fails within the period established in a Notice of Noncompliance to correct the nonconforming work, the City may, after expiration of the required period, correct the deficiencies without prejudice to other remedies the City may have, including rights of the City under Section 14.1.
- 2.5.1.1 When the City corrects deficiencies, City Engineer will issue an appropriate Change Order and deduct from payments then or thereafter due Contractor the cost of correcting the deficiencies, including compensation for Design Consultant's and Construction Manager's additional services and expenses made necessary by such default, neglect, or failure. This action by the City and amounts charged to

Contractor are both subject to prior approval of City Engineer. If payments, then or thereafter due Contractor, are not sufficient to cover these amounts, Contractor shall pay the difference to the City.

- 2.5.2 Notwithstanding the City's right to carry out work, maintenance and protection of the Work remains Contractor's responsibility, as provided in the Contract.

ARTICLE 3
CONTRACTOR

3.1 ***RESPONSIBILITIES.***

3.1.1 Contractor shall maintain office with agent in the greater City of Houston area during the Contractor's performance under the Contract. Contractor shall file its street address with City Engineer.

3.1.2 Contractor and Contractor's employees shall not give or lend money or anything of value to an officer or employee of the City. Should this Paragraph 3.1.2 be violated, City Engineer may terminate the Contract under Section 14.1.

3.2 ***REVIEW OF CONTRACT AND FIELD CONDITIONS BY CONTRACTOR.***

3.2.1 Contractor shall carefully study and compare documents contained in the Contract with each other and with information furnished by the City pursuant to Section 2.2 and shall immediately report, in writing, any errors, inconsistencies, or omissions to City Engineer. If work is affected, Contractor shall obtain a written interpretation or clarification from City Engineer before proceeding with the affected work. However, Contractor will not be liable to the City for failure to report an error, inconsistency, or omission in the Contract unless Contractor had actual knowledge or should have had knowledge of the error, inconsistency, or omission.

3.2.2 Contractor shall take field measurements and verify field conditions, and shall carefully compare the conditions and other information known to Contractor with the Contract, before commencing activities. Contractor shall immediately report, in writing, to City Engineer for interpretation or clarification of discrepancies, inconsistencies, or omissions discovered during this process.

3.2.3 Contractor shall make a reasonable attempt to understand the Contract before requesting interpretation from City Engineer.

3.3 ***SUPERVISION AND CONSTRUCTION PROCEDURES.***

3.3.1 Contractor shall supervise, direct, and inspect the Work competently and efficiently, devoting the attention and applying the skills and expertise as necessary to perform the Work in accordance with the Contract. Contractor is solely responsible and has control over construction means, methods, techniques, sequences, and procedures of construction; for safety precautions and programs in connection with the Work; and for coordinating all work under the Contract.

3.3.2 Regardless of observations or inspections by the City or City's consultants, Contractor shall perform and complete the Work in accordance with the Contract and submittals approved pursuant to Section 3.18. The City is not liable or responsible to Contractor or Surety for work performed by Contractor that is not in accordance with the Contract regardless of whether discovered during construction or after acceptance of the Work.

3.4 ***SUPERINTENDENT.***

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- 3.4.1 Contractor shall employ a competent Superintendent and necessary assistants who shall be present at the site during performance of the Work. Communications given to Superintendent are binding on the Contractor.
- 3.4.2 Contractor shall notify City Engineer in writing of its intent to replace the Superintendent. Contractor may not replace the Superintendent if City Engineer makes a reasonable objection in writing.
- 3.5 **LABOR; MINORITY AND WOMEN BUSINESS ENTERPRISE COMPLIANCE.**
- 3.5.1 Contractor shall provide competent, qualified personnel to survey and lay out the Work and perform construction as required by the Contract. The City may, by written notice, require Contractor to remove from the Work any employee of Contractor or Subcontractors to whom City Engineer makes reasonable objection.
- 3.5.2 Contractor shall comply with the City's Minority and Women Business Enterprise ("MWBE") programs set out in this Agreement and in the Supplementary Conditions, and as set out in Chapter 15, Article V of the City of Houston Code of Ordinances, and the applicable Office of Business Opportunity's ("OBO") Policies and Procedures. When Original Contract Price is greater than \$1,000,000, Contractor shall make Good Faith Efforts to award subcontracts or supply agreements in at least the percentages set out in the Supplementary Conditions for Business Enterprise Policy ("Stated MWBE goal(s)"). If the Contractor is a certified MBE or WBE, Contractor may count toward goals the work that it commits to perform with its own work force, capped at 50% of the total advertised goal. Contractor acknowledges that it has reviewed the requirements for good faith efforts on file with OBO and will comply with them.
- 3.5.2.1 Contractor shall require written subcontracts with Business Enterprises and shall submit all disputes with Business Enterprises to voluntary mediation. Business Enterprise subcontracts complying with City Code of Ordinances Chapter 15, Article II must contain the terms set out in Subparagraph 3.5.3.2. If Contractor is an individual person, as distinguished from a corporation, partnership, or other legal entity, and the amount of the subcontract is \$50,000 or less, the subcontract must also be signed by the attorneys of the respective parties.
- 3.5.3 For purposes of this paragraph, "Contract Year" means a 12-month period during the term of the contract commencing on the Countersignature Date of this Agreement and each anniversary thereof. If the term of this Agreement exceeds one Contract Year and Contractor's MWBE participation level in a Contract Year is less than the Stated MWBE goal(s), then within 30 calendar days of the end of each Contract Year Contractor must provide a written explanation to both the Director and Office of Business Opportunity Director ("OBO Director") of the following: (1) the discrepancy between Contractor's MWBE participation level and the Stated MWBE goal(s); (2) the reason for the discrepancy; and (3) Contractor's good faith efforts (in accordance with the City's policy) towards achieving the Stated MWBE goal(s). As part of the good faith efforts assessment, the OBO Director may consider Contractor's failure to timely submit the notice or explanation required by this provision and the OBO Director may impose sanctions or other penalties on Contractor for said failures in accordance with this Section of this Agreement and Chapter 15 of the Code of Ordinances, OBO's policies and procedures, and the City's good faith efforts policy.
- 3.5.4 The OBO Director, in consultation with the Director may review, at any time during the Term of this Agreement, Contractor's progress toward attainment of the Stated MWBE goal(s), by reviewing the percentage of work to MWBE subcontractors and the payments Contractor has made to such MWBE subcontractors. If the OBO Director determines that Contractor is not in compliance with this Section of this Agreement, Chapter 15 of the Code of Ordinances, OBO's policies and procedures, and the City's good faith efforts

policy, the OBO Director may:

- 3.5.4.1 After consultation with the Director and the Chief Procurement Officer, determine whether any of the following actions should be taken and notify Contractor of such determination:
 - 3.5.4.1.1 Enter a written agreement with Contractor allowing Contractor to cure the noncompliance matter;
 - 3.5.4.1.2 Suspend Contractor from engaging in any contract with the City for a period up to, but not to exceed, five years, pursuant to Section 15-86 of the City's Code of Ordinances, as may be amended from time to time; or
 - 3.5.4.1.3 Take any other appropriate remedy.
- 3.5.4.2 Make a recommendation to the Director and the Chief Procurement Officer, to:
 - 3.5.4.2.1 Withhold payment or reimbursement under this Agreement;
 - 3.5.4.2.2 Make a finding that Contractor is in default or has breached this Agreement;
 - 3.5.4.2.3 Determine not to renew this Agreement;
 - 3.5.4.2.4 Terminate for cause this Agreement; or
 - 3.5.4.2.5 Take any other appropriate remedy.
- 3.5.5 Contractor shall maintain records showing:
 - 3.5.5.1 Subcontracts and supply agreements with Minority Business Enterprises;
 - 3.5.5.2 Subcontracts and supply agreements with Women Business Enterprises;
 - 3.5.5.3 Subcontracts and supply agreements with Small Business Enterprises (if any);
 - 3.5.5.4 Written confirmation from MWBE subcontractors and suppliers that they are participants on the contract; and
 - 3.5.5.5 Specific efforts to identify and award subcontracts and supply agreements to MWBEs. Contractor shall submit periodic reports of its efforts under this Section to the OBO Director in the form and at the times he or she prescribes.
- 3.5.6 Contractor shall ensure that all subcontracts with MWBE subcontractors and suppliers contain the following terms:

[Name of MWBE subcontractor] shall permit representatives of the City of Houston, at all reasonable times, to perform (1) audits of the books and records of the subcontractor, and (2) inspections of all places where work is to be undertaken in connection with this subcontract. Subcontractor shall keep such books and records available for such purpose for at least four years after the end of its performance under this subcontract. Nothing in this provision shall affect the time for bringing a cause of action nor the applicable statute of limitations.

Within five business days of execution of this subcontract, Contractor [prime contractor] and Subcontractor shall designate, in writing, to the City of Houston's OBO Director ("the OBO Director") an agent for receiving any notice required or permitted to be given pursuant to Chapter 15 of the Houston City Code of Ordinances, along with the street, mailing address, phone number, and email address of such agent.

After reasonable attempt(s) to resolve disputes between the parties involving the terms, covenants, or conditions of this subcontract, a request for dispute resolution may be submitted to the OBO Director. The OBO Director may prescribe procedures to provide dispute resolution services in accordance with the requirements of Chapter 15 of the Houston City Code of Ordinances.

- 3.5.7 The requirements and terms of the City of Houston Pay or Play Program, as set out in Executive Order 1-7, as revised from time to time, are incorporated into the Contract for all purposes. Contractor has reviewed Executive Order 1-7 and shall comply with its terms and conditions. **IF CONTRACTOR DOES NOT PAY IN ACCORDANCE WITH THE PAY OR PLAY PROGRAM WITHIN 30 DAYS OF THE DATE CITY ENGINEER SENDS CONTRACTOR WRITTEN NOTIFICATION, CITY CONTROLLER MAY DEDUCT FUNDS UP TO THE AMOUNT OWED FROM ANY PAYMENTS OWED TO CONTRACTOR UNDER THIS CONTRACT, AND CONTRACTOR WAIVES ANY RECOURSE.**
- 3.6 **PREVAILING WAGE RATES.**
- 3.6.1 Contractor shall comply with governing statutes providing for labor classification of wage scales for each craft or type of laborer, worker, or mechanic.
- 3.6.2 Prevailing wage rates applicable to the Work may be one or a combination of the following wage rates identified in Division 00:
- 3.6.2.1 Federal Wage Rate General Decisions
 - 3.6.2.1.1 Highway Rates
 - 3.6.2.1.2 Building Rates
 - 3.6.2.1.3 Heavy Construction Rates
 - 3.6.2.1.4 Residential Rates
 - 3.6.2.2 City Prevailing Wage Rates
 - 3.6.2.2.1 Building Construction Rates
 - 3.6.2.2.2 Engineering Construction Rates
 - 3.6.2.2.3 Asbestos Worker Rates
- 3.6.3 Each week Contractor shall submit to the City's Mayor's Office of Business Opportunity certified copies of payrolls showing classifications and wages paid by Contractor, Subcontractors, and Suppliers for each employee under the Contract, for any day included in the Contract.
- 3.7 **LABOR CONDITIONS.**
- 3.7.1 In the event of labor disputes affecting Contractor or Contractor's employees, Contractor shall utilize all possible means to resolve disputes in order that the Work not be delayed to any extent. These means will include seeking injunctive relief and filing unfair labor practice charges, and any other action available to Contractor.
- 3.7.2 When Contractor has knowledge that any actual or potential labor dispute is delaying or is threatening to delay timely performance of the Work, Contractor shall immediately notify City Engineer in writing. No Claims will be accepted by City Engineer for costs incurred as a result of jurisdictional or labor disputes.
- 3.8 **DRUG DETECTION AND DETERRENCE.**
- 3.8.1 It is the policy of the City to achieve a drug-free work force and to provide a workplace that is free from the use of illegal drugs and alcohol. It is also the policy of the City that manufacture, distribution, dispensation, possession, sale, or use of illegal drugs or alcohol by contractors while on the City's premises is prohibited. By executing the

Contract, Contractor represents and certifies that it meets and will comply with all requirements and procedures set forth in the Mayor's Policy on Drug Detection and Deterrence, City Council Motion No. 92-1971 ("Mayor's Policy") and the Mayor's Drug Detection and Deterrence Procedures for Contractors, Executive Order No. 1-31, (Revised) ("Executive Order"). Mayor's Policy is on file in the office of the City Secretary. Copies of Executive Order may be obtained at the location specified in the Advertisement for Bids.

- 3.8.1.1 The Executive Order applies to the City's contracts for labor or services except the following:
 - 3.8.1.1.1 contracts authorized by Emergency Purchase Orders,
 - 3.8.1.1.2 contracts in which imposition of requirements of the Executive Order would exclude all potential bidders or proposers, or would eliminate meaningful competition for the Contract,
 - 3.8.1.1.3 contracts with companies that have fewer than 15 employees during any 20-week period during a calendar year and no safety impact positions,
 - 3.8.1.1.4 contracts with non-profit organizations providing services at no cost or reduced cost to the public, and
 - 3.8.1.1.5 contracts with federal, state, or local governmental entities.
- 3.8.1.2 Prior to execution of the Contract, Contractor shall have filed with the City:
 - 3.8.1.2.1 a Drug Policy Compliance Agreement form (Attachment "A" to the Executive Order), and
 - 3.8.1.2.2 a copy of Contractor's drug free workplace policy, and
 - 3.8.1.2.3 a written designation of all safety impact positions, if applicable, or a Contractor's Certification of a No Safety Impact Positions form (Attachment "C" to the Executive Order).
- 3.8.1.3 Every six months during performance of the Contract and upon completion of the Contract, Contractor shall file a Drug Policy Compliance Declaration form (Attachment "B" to the Executive Order). The Contractor shall submit the Drug Policy Compliance Declaration within 30 days of expiration of each six-month period of performance and within 30 days of completion of the Contract. The first six-month period shall begin on Date of Commencement of the Work.
- 3.8.1.4 Contractor shall have a continuing obligation to file updated designation of safety impact positions when additional safety impact positions are added to Contractor's employee workforce during performance of the Work.
- 3.8.1.5 Contractor shall require its Subcontractors and Suppliers to comply with the Mayor's Policy and Executive Order. Contractor is responsible for securing and maintaining required documents from Subcontractors and Suppliers for the City inspection throughout the term of the Contract.
- 3.8.1.6 Failure of Contractor to comply with requirements will be a material breach of the Contract entitling the City to terminate in accordance with Section 14.1.

3.9 **MATERIALS & EQUIPMENT.**

- 3.9.1 Unless otherwise provided in the Contract, Contractor shall provide and assume full responsibility for Products, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, transportation, temporary facilities, supplies, and other facilities and incidentals necessary for Furnishing, performing, testing, starting-up, and completing the Work.

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- 3.9.1.1 Contractor, Subcontractors, and Suppliers shall use Ultra Low Sulfur Diesel Fuel in all diesel operating vehicles and motorized equipment utilized in performing the Work. Ultra Low Sulfur Diesel Fuel is defined as diesel fuel having 15 ppm or the applicable standard set by state or federal law or rules and regulations of the Texas Commission on Environmental Quality, or the Environmental Protection Agency, whichever is less in sulfur content. Off-road Ultra Low Sulfur Diesel Fuel may be used in lieu of on-road Ultra Low Sulfur Diesel Fuel. Contractor shall provide, upon request by City Engineer, proof that Contractor, Subcontractors, and Suppliers are using Ultra Low Sulfur Diesel Fuel.
- 3.9.2 Contractor shall provide Products that are:
- 3.9.2.1 new, unless otherwise required or permitted by the Contract, and
- 3.9.2.2 of specified quality.
- If required by City Engineer, Contractor shall furnish satisfactory evidence, including reports of required tests, as to kind and quality of Products.
- 3.9.3 Contractor shall store Products in a safe, neat, compact, and protected manner. Contractor shall also store Products delivered during the work, along the right-of-way:
- 3.9.3.1 so as to cause the least inconvenience to property owners, tenants, and general public; and
- 3.9.3.2 so as not to block access to, or be closer than, three feet to any fire hydrant.
- Contractor shall protect trees, lawns, walks, drives, streets, and other improvements that are to remain, from damage. If private or public property is damaged by Contractor, Contractor shall, at its sole expense, restore the damaged property to at least its original condition.
- 3.9.3.3 Contractor shall obtain City Engineer's approval for storage areas used for Products for which payment has been requested under Paragraph 9.6.1. Contractor shall provide the City access to the storage areas for inspection purposes. Products, once paid for by the City, become the property of the City and may not be removed from place of storage, without City Engineer's written permission except for a movement to the site. Contractor's Installation Floater, required under Section 11.2, shall cover all perils, including loss or damage to Products during storage, loading, unloading, and transit to the site.
- 3.10 **PRODUCT OPTIONS AND SUBSTITUTIONS.**
- 3.10.1 For Products specified by reference standards or by description only, Contractor may provide any Product meeting those standards or description.
- 3.10.2 For Products specified by naming one or more manufacturers with provision for substitutions or equal, Contractor may submit a request for substitution for any manufacturer not named.
- 3.10.3 City Engineer will consider requests for substitutions only within the first 15 percent of Contract Time, or first 90 days after date of Notice to Proceed, whichever is less.
- 3.10.4 Contractor shall document each request for substitution with complete data substantiating compliance of proposed substitution with the Contract.
- 3.10.5 A request for substitution constitutes a representation that Contractor:
- 3.10.5.1 has investigated the proposed Product and determined that it meets or exceeds the quality level of the specified Product;
- 3.10.5.2 shall provide the same warranty for the substitution as for the specified Product;

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- 3.10.5.3 shall coordinate installation of the proposed substitution and make changes to other work which may be required for the Work to be completed, with no additional cost or increase in time to the City;
 - 3.10.5.4 confirms that cost data is complete and includes all related costs under the Contract;
 - 3.10.5.5 waives Claim for additional costs or time extensions that may subsequently become apparent; and
 - 3.10.5.6 shall provide review or redesign services by a design consultant with appropriate professional license and shall obtain re-approval and permits from authorities.
- 3.10.6 City Engineer will not consider and will not approve substitutions when:
- 3.10.6.1 they are indicated or implied on Shop Drawing or Product Data submittals without separate written request; or
 - 3.10.6.2 acceptance will require revision to the Contract.
- 3.10.7 City Engineer may reject requests for substitution, and his decision will be final and binding on the Parties.
- 3.11 **CASH ALLOWANCES.**
- 3.11.1 Contract Price includes Cash Allowances as identified in the Contract.
- 3.11.2 The City will pay the actual costs of Cash Allowance item exclusive of profit, overhead or administrative costs. If actual costs exceed the Cash Allowance, City Engineer must approve a Change Order for the additional costs.
- 3.12 **WARRANTY.**
- 3.12.1 Contractor warrants to the City that Products furnished under the Contract are:
- 3.12.1.1 free of defects in title;
 - 3.12.1.2 of good quality; and
 - 3.12.1.3 new, unless otherwise required or permitted by the Contract.
- If required by the City Engineer, Contractor shall furnish satisfactory evidence as to kind, quality and title of Products, and that Products conform to requirements of the Contract.
- 3.12.2 In the event of a defect in a Product, either during construction or warranty period, Contractor shall take appropriate action with manufacturer of Product to assure correction or replacement of defective Product with minimum delay.
- 3.12.3 Contractor warrants that the Work is free of defects not inherent in the quality required or permitted, and that the Work does conform with the requirements of the Contract. Contractor further warrants that the Work has been performed in a thorough and workmanlike manner.
- 3.12.4 Contractor warrants that the Work is free of concentrations on polychlorinated biphenyl (PCB) and other substances defined as hazardous by the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) or any other applicable law or regulation.
- 3.12.5 Work not conforming to requirements of Section 3.12, including substitutions not properly approved and authorized, may be considered nonconforming work.
- 3.12.6 Contractor's warranty excludes remedy for damage or defect caused by:
- 3.12.6.1 improper or insufficient maintenance by the City;
 - 3.12.6.2 normal wear and tear under normal usage; or
 - 3.12.6.3 claim that hazardous material was incorporated into the Work, if that material was specified in the Contract.

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- 3.12.7 Contractor warrants that title to all work covered by Contractor's request for payment passes to the City upon incorporation into the Work or upon Contractor's receipt of payment, whichever occurs first. The Contractor further warrants that the title is free of all liens, claims, security interests or other interests ("Encumbrances"). If not, upon written demand from City Engineer, Contractor shall immediately take legal action necessary to remove Encumbrances.
- 3.13 **TAXES.**
- 3.13.1 Contractor shall pay all sales, consumer, use, and similar taxes, which are in effect or scheduled to go into effect on or before bids are received, related to work provided by Contractor.
- 3.13.2 Contractor shall obtain, and require Subcontractors and Suppliers to obtain, necessary permits from the state and local taxing authorities to perform contractual obligations under the Contract, including sales tax permits.
- 3.13.3 The City is exempt from the Federal Transportation and Excise Tax. Contractor shall comply with federal regulations governing the exemptions.
- 3.13.4 Products incorporated into the Work are exempt from state sales tax according to provisions of the TEX. TAX CODE ANN. CH. 151, Subsection H.
- 3.14 **PERMITS, FEES, AND NOTICES.** Unless otherwise provided in the Contract, Contractor shall secure and pay for all construction permits, licenses, and inspections:
- 3.14.1 necessary for proper execution and completion of the Work; and
- 3.14.2 legally required at time bids are received.
- 3.15 **CONSTRUCTION SCHEDULES.**
- 3.15.1 On receipt of Notice to Proceed, Contractor shall promptly prepare and submit construction schedule for the Work for City Engineer's review. The schedule must reflect the minimum time required to complete the Work not to exceed Contract Time.
- 3.15.2 Contractor shall give 24-hour written notice to City Engineer before commencing work or resuming work where work has been stopped. Contractor shall also give the same notice to inspectors.
- 3.15.3 Contractor shall incorporate milestones specified in Summary of Work Specification into the construction schedule. Contractor's failure to meet a milestone, as determined by City Engineer, may be considered a material breach of the Contract.
- 3.15.4 Each month, Contractor shall submit to City Engineer a copy of an updated construction schedule indicating actual progress, incorporating applicable changes, and indicating courses of action required to assure completion of the Work within Contract Time.
- 3.15.5 Contractor shall keep a current schedule of submittals that coordinates with the construction schedule, and shall submit the initial schedule of submittals to City Engineer for approval.
- 3.16 **DOCUMENTS AND SAMPLES AT THE SITE.**
- 3.16.1 Contractor shall maintain at the site, and make available to City Engineer, one record copy of Drawings, Specifications, and Modifications. Contractor shall maintain the documents in good order and marked currently to record changes and selections made during construction. In addition, Contractor shall maintain at the site, approved Shop Drawings, Product Data, Samples, and similar submittals, which will be delivered to City Engineer prior to final inspection as required in Paragraph 9.11.4.

- 3.16.2 Contractor shall maintain all books, documents, papers, accounting records, and other relevant documentation pursuant to the Work and shall make the books, documents, papers, and accounting records available to representatives of the City for review and audits during the Contract term and for the greater of three years following Date of Substantial Completion or until all litigation or audits are fully resolved.
- 3.16.3 Contractor shall provide to City Attorney all documents and records that City Attorney deems necessary to assist in determining Contractor's compliance with the Contract, with the exception of those documents made confidential by federal or state law or regulation.
- 3.17 ***MANUFACTURER'S SPECIFICATIONS.***
- 3.17.1 Contractor shall handle, store, and Install Products and perform all work in the manner required by Product manufacturer. Should the Contract and manufacturer's instructions conflict, Contractor shall report conflict to City Engineer for resolution prior to proceeding with the affected work.
- 3.17.1 References in the Contract to the manufacturer's specifications, directions, or recommendations, mean manufacturer's current published documents in effect as of date of receipt of bids, or in the case of a Modification, as of date of Modification.
- 3.18 ***SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.***
- 3.18.1 Shop Drawings, Product Data, and Samples are not part of the Contract. The purpose of Contractor submittals is to demonstrate, for those portions of the Work for which submittals are required, the way Contractor proposes to conform to information given and design concept expressed in the Contract.
- 3.18.2 Contractor shall submit to Project Manager for review the Shop Drawings, Product Data, and Samples, which are required by the Contract. Review by Project Manager is subject to limitations of Paragraph 4.1.4. Contractor shall transmit the submittals to the Project Manager with reasonable promptness and in a sequence, so as to cause no delay in the Work or in activities of the City or of separate contractors. Contractor shall transmit submittals in time to allow a minimum of 30 days for Project Manager's review prior to date Contractor needs reviewed submittals returned. This time may be shortened for a particular job requirement if approved by Project Manager in advance of submittal.
- 3.18.3 Contractor shall certify that the content of submittals conforms to the Contract without exception by affixing Contractor's approval stamp and signature. By certifying and submitting Shop Drawings, Product Data, and Samples, Contractor represents, and Contractor's stamp of approval shall state, that Contractor has determined and verified materials, quantities, field measurements, and field construction criteria related to the submittal, and has checked and coordinated information contained within the submittals with requirements of the Contract.
- 3.18.4 Contractor may not perform any work requiring submittal and review of Shop Drawings, Product Data, or Samples until the submittal has been returned with appropriate review decision by the Project Manager. Contractor shall perform work in accordance with the review.
- 3.18.5 If Contractor performs any work requiring submittals prior to review and acceptance of the submittals by Project Manager, such work is at Contractor's risk and the City is not obligated to accept work if the submittals are later found to be unacceptable.
- 3.18.6 If, in the opinion of Project Manager, the submittals are incomplete, or demonstrate an inadequate understanding of the Work or lack of review by the Contractor, then submittals may be returned to the Contractor for correction and resubmittal.

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- 3.18.7 Contractor shall direct specific attention in writing and on the resubmitted Shop Drawings, Product Data, or Samples to any additional proposed revisions, other than those revisions requested by Project Manager on previous submittals.
- 3.18.8 Contractor is not relieved of responsibility for deviations from requirements of the Contract by Project Manager's review of Shop Drawings, Product Data, or Samples unless Contractor has specifically informed Project Manager in writing of the deviation at the time of the submittal, and Project Manager has given written approval of the deviation.
- 3.18.9 When professional certification of performance criteria of Products is required by the Contract, the City may rely upon accuracy and completeness of the calculations and certifications.
- 3.18.10 For Product colors or textures to be selected by the City, Contractor shall submit all samples together to allow preparation of a complete selection schedule.
- 3.18.11 Contractor shall submit informational submittals, on which Project Manager is not expected to take responsive action, as required by the Contract.
- 3.18.12 Submittals made by Contractor which are not required by the Contract may be returned to Contractor without action.
- 3.19 ***CULTURAL RESOURCES AND ENDANGERED SPECIES.***
- 3.19.1 Contractor may not remove or disturb, or cause to be removed or disturbed, any historical, archaeological, architectural, or other cultural artifacts, relics, vestiges, remains, or objects of antiquity. If Contractor discovers one of these items, Contractor shall immediately notify City Engineer and further comply with the requirements of 13 Tex. Admin. Code Chs. 25 and 26 (2002), or successor regulation. Contractor shall protect site and cultural resources from further disturbance until professional examination can be made or until clearance to proceed is authorized in writing by City Engineer.
- 3.19.2 Should either threatened or endangered plant or animal species be encountered, Contractor shall cease work immediately in the area of encounter and notify City Engineer.
- 3.20 ***CUTTING AND PATCHING.***
- 3.20.1 Contractor is responsible for necessary cutting, fitting, and patching to accomplish the Work and shall suitably support, anchor, attach, match, and trim or seal materials to work of other contractors. Contractor shall coordinate the Work with work of other contractors to minimize conflicts, as provided in Article 6.
- 3.20.2 Contractor may not endanger work by cutting, digging, or other action, and may not cut or alter work of other contractors except by written consent of City Engineer and affected contractor.
- 3.21 ***CLEANING.***
- 3.21.1 Contractor shall perform daily cleanup of all dirt, debris, scrap materials and other disposable items resulting from Contractor's operations, whether on-site or off-site. Unless otherwise authorized in writing by City Engineer, Contractor shall keep all streets, access streets, driveways, areas of public access, walkways, and other designated areas clean and open at all times.
- 3.21.2 Failure of Contractor to maintain a clean site, including access streets, is the basis for City Engineer to issue a Notice of Noncompliance. Should compliance not be attained

within the time period in the Notice of Noncompliance, City Engineer may authorize necessary cleanup to be performed by others and the cost of the cleanup will be deducted from monies due Contractor.

Contractor shall legally dispose off-site, all waste materials and other excess materials resulting from Contractor's operations.

3.22 **SANITATION.** Contractor shall provide and maintain sanitary facilities at site for use of all construction forces under the Contract. Newly-constructed or existing sanitary facilities may not be used by Contractor.

3.23 **ACCESS TO WORK AND TO INFORMATION.**

3.23.1 Contractor shall provide the City, Design Consultant, testing laboratories, and governmental agencies which have jurisdictional interests, access to the Work in preparation and in progress wherever located. Contractor shall provide proper and safe conditions for the access.

3.23.2 If required by City Engineer, Contractor shall furnish information concerning character of Products and progress and manner of the Work, including information necessary to determine cost of the Work, such as number of employees, pay of employees, and time employees worked on various classes of the Work.

3.24 **TRADE SECRETS.** Contractor will not make any claim of ownership of trade secrets as to products used in the Work, or preparation of any mixture for the Work. City Engineer will at all times have the right to demand and Contractor shall furnish information concerning materials or samples of ingredients of any materials used, or proposed to be used, in preparation of concrete placed or other work to be done. Mixtures, once agreed on, shall not be changed in any manner without knowledge and consent of City Engineer. The City will make its best efforts to protect confidentiality of proprietary information.

3.25 **INDEMNIFICATION.**

3.25.1 CONTRACTOR AGREES TO AND SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY, ITS AGENTS, EMPLOYEES, OFFICERS, AND LEGAL REPRESENTATIVES (COLLECTIVELY THE "CITY") HARMLESS FOR ALL CLAIMS, CAUSES OF ACTION, LIABILITIES, FINES, AND EXPENSES (INCLUDING, WITHOUT LIMITATION, ATTORNEYS' FEES, COURT COSTS, AND ALL OTHER DEFENSE COSTS AND INTEREST) FOR INJURY, DEATH, DAMAGE, OR LOSS TO PERSONS OR PROPERTY SUSTAINED IN CONNECTION WITH OR INCIDENTAL TO PERFORMANCE UNDER THE CONTRACT INCLUDING, WITHOUT LIMITATION, THOSE CAUSED BY:

3.25.1.1 CONTRACTOR'S AND/OR ITS AGENTS', EMPLOYEES', OFFICERS', DIRECTORS', CONTRACTORS', OR SUBCONTRACTORS' (COLLECTIVELY IN NUMBERED SUBPARAGRAPHS .1 through .3, "CONTRACTOR") ACTUAL OR ALLEGED NEGLIGENCE OR INTENTIONAL ACTS OR OMISSIONS;

3.25.1.2 THE CITY'S AND CONTRACTOR'S ACTUAL OR ALLEGED CONCURRENT NEGLIGENCE, WHETHER CONTRACTOR IS IMMUNE FROM LIABILITY OR NOT;

3.25.1.3 THE CITY'S AND CONTRACTOR'S ACTUAL OR ALLEGED STRICT PRODUCTS LIABILITY OR STRICT STATUTORY LIABILITY, WHETHER CONTRACTOR IS IMMUNE FROM LIABILITY OR NOT.

CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE CITY HARMLESS DURING THE TERM OF THE CONTRACT AND FOR FOUR YEARS AFTER THE CONTRACT TERMINATES. CONTRACTOR SHALL NOT INDEMNIFY THE CITY FOR THE CITY'S SOLE NEGLIGENCE.

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- 3.25.2 NOTWITHSTANDING ANYTHING TO THE CONTRARY, THE LIABILITY OF CONTRACTOR FOR THE CITY'S CONCURRENT NEGLIGENCE SHALL NOT EXCEED \$1,000,000.
- 3.26 **RELEASE AND INDEMNIFICATION – PATENT, COPYRIGHT, TRADEMARK, AND TRADE SECRET INFRINGEMENT.**
- 3.26.1 UNLESS OTHERWISE SPECIFICALLY REQUIRED BY THE CONTRACT, CONTRACTOR AGREES TO AND SHALL RELEASE AND DEFEND, INDEMNIFY, AND HOLD HARMLESS THE CITY, ITS AGENTS, EMPLOYEES, OFFICERS, AND LEGAL REPRESENTATIVES (COLLECTIVELY THE “CITY”) FROM ALL CLAIMS OR CAUSES OF ACTION BROUGHT AGAINST THE CITY BY ANY PARTY, INCLUDING CONTRACTOR, ALLEGING THAT THE CITY’S USE OF ANY EQUIPMENT, SOFTWARE, PROCESS, OR DOCUMENTS CONTRACTOR FURNISHES DURING THE TERM OF THE CONTRACT INFRINGES ON A PATENT, COPYRIGHT, OR TRADEMARK, OR MISAPPROPRIATES A TRADE SECRET. CONTRACTOR SHALL PAY ALL COSTS (INCLUDING, WITHOUT LIMITATION, ATTORNEYS’ FEES, COURT COSTS, AND ALL OTHER DEFENSE COSTS, AND INTEREST) AND DAMAGES AWARDED.
- 3.26.2 CONTRACTOR SHALL NOT SETTLE ANY CLAIM ON TERMS WHICH PREVENT THE CITY FROM USING THE EQUIPMENT, SOFTWARE, PROCESS, OR PRODUCT WITHOUT THE CITY ENGINEER'S PRIOR WRITTEN CONSENT.
- 3.26.3 UNLESS OTHERWISE SPECIFICALLY REQUIRED BY THE CONTRACT, WITHIN 60 DAYS AFTER BEING NOTIFIED OF THE CLAIM, CONTRACTOR SHALL, AT ITS OWN EXPENSE, EITHER:
- 3.26.3.1 OBTAIN FOR THE CITY THE RIGHT TO CONTINUE USING THE EQUIPMENT, SOFTWARE, PROCESS, OR PRODUCT, OR
- 3.26.3.2 IF BOTH PARTIES AGREE, REPLACE OR MODIFY THEM WITH COMPATIBLE AND FUNCTIONALLY EQUIVALENT PRODUCTS.
- IF NONE OF THESE ALTERNATIVES IS REASONABLY AVAILABLE, THE CITY MAY RETURN THE EQUIPMENT, SOFTWARE, OR PRODUCT, OR DISCONTINUE THE PROCESS, AND CONTRACTOR SHALL REFUND THE PURCHASE PRICE.
- 3.27 **INDEMNIFICATION PROCEDURES.**
- 3.27.1 *Notice of Indemnification Claims:* If the City or Contractor receives notice of any claim or circumstances which could give rise to an indemnified loss, the receiving party shall give written notice to the other Party within 10 days. The notice must include the following:
- 3.27.1.1 a description of the indemnification event in reasonable detail,
- 3.27.1.2 the basis on which indemnification may be due, and
- 3.27.1.3 the anticipated amount of the indemnified loss.
- This notice does not estop or prevent the City from later asserting a different basis for indemnification or a different amount of indemnified loss than that indicated in the initial notice. If the City does not provide this notice within the 10-day period, it does not waive any right to indemnification except to the extent that Contractor is prejudiced, suffers loss, or incurs expense because of the delay.
- 3.27.2 *Defense of Indemnification Claims:*
- 3.27.2.1 *Assumption of Defense:* Contractor may assume the defense of the claim at its own expense with counsel chosen by it that is reasonably satisfactory to the City. Contractor shall then control the defense and any negotiations to settle the claim. Within 10 days after receiving written notice of the indemnification request, Contractor must advise the City as to whether or not it will defend the claim. If Contractor does not assume the defense, the City shall assume and control the defense, and all defense expenses constitute an indemnified loss.

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- 3.27.2.2 *Continued Participation:* If Contractor elects to defend the claim, the City may retain separate counsel to participate in, but not control, the defense and to participate in, but not control, any settlement negotiations. Contractor may settle the claim without the consent or agreement of the City, unless it:
- 3.27.2.2.1 would result in injunctive relief or other equitable remedies or otherwise require the City to comply with restrictions or limitations that adversely affect the City;
 - 3.27.2.2.2 would require the City to pay amounts that Contractor does not fund in full; or
 - 3.27.2.2.3 would not result in the City's full and complete release from all liability to the plaintiffs or claimants who are parties to or otherwise bound by the settlement.

3.28 CONTRACTOR DEBT. IF CONTRACTOR, AT ANY TIME DURING THE TERM OF THIS AGREEMENT, INCURS A DEBT, AS THE WORD IS DEFINED IN SECTION 15-122 OF THE HOUSTON CITY CODE OF ORDINANCES, IT SHALL IMMEDIATELY NOTIFY CITY CONTROLLER IN WRITING. IF CITY CONTROLLER BECOMES AWARE THAT CONTRACTOR HAS INCURRED A DEBT, IT SHALL IMMEDIATELY NOTIFY CONTRACTOR IN WRITING. IF CONTRACTOR DOES NOT PAY THE DEBT WITHIN 30 DAYS OF EITHER SUCH NOTIFICATION, CITY CONTROLLER MAY DEDUCT FUNDS IN AN AMOUNT EQUAL TO THE DEBT FROM ANY PAYMENTS OWED TO CONTRACTOR UNDER THIS AGREEMENT, AND CONTRACTOR WAIVES ANY RECOURSE THEREFOR. CONTRACTOR SHALL FILE A NEW AFFIDAVIT OF OWNERSHIP, USING THE FORM DESIGNATED BY CITY, BETWEEN FEBRUARY 1 AND MARCH 1 OF EVERY YEAR DURING THE TERM OF THE CONTRACT.

3.29 PRESERVATION OF CONTRACTING INFORMATION.

3.29.1 The requirements of Subchapter J, Chapter 552, Texas Government Code, may apply to this Agreement and the Contractor agrees that this Agreement can be terminated if the Contractor knowingly or intentionally fails to comply with a requirement of that subchapter. If the requirements of Subchapter J, Chapter 552, Texas Government Code, apply to this Agreement, then for the duration of this Agreement (including the initial term, any renewal terms, and any extensions), Contractor shall preserve all Contracting Information, as defined by Section 552.003 of the Texas Government Code, related to this Agreement as provided by the records retention requirements applicable to the City pursuant to federal or state law or regulation, city ordinance or city policy, which record retention requirements include but are not limited to those set forth in Chapters 201 and 205 of the Texas Local Government Code and Texas Administrative Code Title 13, Chapter 7. Within five business days after receiving a request from the Director, Contractor shall provide any Contracting Information related to this Agreement that is in the custody or possession of Contractor. Upon the expiration or termination of this Agreement, Contractor shall, at the Director's election, either (a) provide, at no cost to the City, all Contracting Information related to this Agreement that is in the custody or possession of Contractor, or (b) preserve the Contracting Information related to this Agreement as provided by the records retention requirements applicable to the City pursuant to federal or state law or regulation, city ordinance or city policy.

3.29.2 If Contractor fails to comply with any one or more of the requirements of this Section, *PRESERVATION OF CONTRACTING INFORMATION*, or Subchapter J, Chapter 552, Texas Government Code, then, in accordance with and pursuant to the processes and procedures set forth in Sections 552.373 and 552.374 of the Texas Government Code, the Director shall provide notice to the Contractor and may terminate this Agreement. To effect final termination, the Director must notify Contractor in writing with a copy of the notice to the CPO. After receiving the notice, Contractor shall, unless the notice directs

otherwise, immediately discontinue all services under this Agreement, and promptly cancel all orders or subcontracts chargeable to this Agreement.

ARTICLE 4

ADMINISTRATION OF THE CONTRACT

4.1 *CONTRACT ADMINISTRATION.*

4.1.1 City Engineer will provide administration of the Contract and City Engineer is authorized to issue Change Orders, Work Change Directives, and Minor Changes in the Work.

4.1.2 City Engineer may act through Project Manager, Design Consultant, or Inspector. When the term "City Engineer" is used in the Contract, action by City Engineer is required unless City Engineer delegates his authority in writing. The City Engineer may not delegate authority to render decisions under Section 4.4.

The City does not have control over or charge of, and is not responsible for, supervision, construction, and safety procedures enumerated in Section 3.3. The City does not have control over or charge of and is not responsible for acts or omissions of Contractor, Subcontractors, or Suppliers.

4.1.3 The City and Design Consultant may attend project meetings and visit the site to observe progress and quality of the Work. The City and Design Consultant are not required to make exhaustive or continuous on-site inspections to check quality or quantity of the Work.

4.1.4 Project Manager will review and approve or take other appropriate action on Contractor's submittals, but only for limited purpose of checking for conformance with information given and design concept expressed in the Contract.

4.1.5 Project Manager's review of the submittals is not conducted for purpose of determining accuracy and completeness of other details, such as dimensions and quantities, or for substantiating instructions for installation or performance of Products, all of which remain the responsibility of Contractor.

4.1.6 Project Manager's review of submittals does not relieve Contractor of its obligations under Sections 3.3, 3.12, and 3.18. Review does not constitute approval of safety precautions or, unless otherwise specifically stated by Project Manager in writing, of construction means, methods, techniques, sequences, or procedures. Project Manager's review of a specific item does not indicate approval of an assembly of which the item is a component.

4.1.7 Based on field observations and evaluations, Project Manager will process Contractor's progress payments, certify amounts due Contractor, and issue Certificates for Payment in the amount certified.

4.1.8 Project Manager will receive and forward to City Engineer for his review and records, written warranties and related documents required by the Contract and assembled by Contractor.

4.1.9 Upon written request by Contractor or Project Manager, City Engineer will resolve matters of interpretation of or performance of the Contract, which are not Claims. City Engineer's decisions are final and binding on the Parties.

4.1.10 City Engineer may reject work which does not conform to the Contract.

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- 4.1.11 When City Engineer considers it necessary to implement the intent of the Contract, City Engineer may require additional inspection or testing of work in accordance with Paragraphs 13.6.3 and 13.6.4, whether such work is fabricated, Installed, or completed.
- 4.2 **COMMUNICATIONS IN ADMINISTRATION OF THE CONTRACT.** Except as otherwise provided in the Contract or when authorized by City Engineer in writing, Contractor shall communicate with Project Manager. Contractor shall communicate with Design Consultant, Design Consultant's subconsultants, and separate contractors through Project Manager. The City will communicate with Subcontractors and Suppliers through Contractor.
- 4.3 **CLAIMS AND DISPUTES.**
- 4.3.1 **Documentation by Project Manager:** Contractor shall submit Claims, including those alleging an error or omission by Project Manager or Design Consultant, to Project Manager for documentation and recommendation to City Engineer.
- 4.3.2 **Decision of City Engineer:** Upon submission of Claim by Project Manager or Contractor, City Engineer will resolve Claims in accordance with Section 4.4.
- 4.3.3 **Time Limits on Claims:** Claims by Contractor must be made within 90 days after occurrence of event giving rise to the Claim.
- 4.3.4 **Continuing the Contract Performance:** Pending final resolution of a Claim including referral to non-binding mediation, unless otherwise agreed in writing, Contractor shall proceed diligently with the performance of the Contract and the City will continue to make payments in accordance with the Contract.
- 4.3.4.1 Pending final resolution of a Claim including referral to non-binding mediation, Contractor is responsible for safety and protection of physical properties and conditions at site.
- 4.3.5 **Claims for Concealed or Unknown Conditions:** Concealed or unknown physical conditions include utility lines, other man-made structures, storage facilities, Pollutants and Pollutant Facilities, and the like, but do not include conditions arising from Contractor operations, or failure of Contractor to properly protect and safeguard subsurface facilities. Concealed conditions also include naturally-occurring soil conditions outside the range of soil conditions identified through geotechnical investigations, but do not include conditions arising from groundwater, rain, or flood.
- 4.3.5.1 If conditions are encountered at the site which are Underground Facilities or otherwise concealed or unknown conditions which differ materially from:
- 4.3.5.1.1 those indicated by the Contract; or
- 4.3.5.1.2 conditions which Contractor could have discovered through site inspection, geotechnical testing, or otherwise;
- then Contractor will give written notice to City Engineer no later than five days after Contractor's first observation of the condition and before condition is disturbed. Contractor's failure to provide notice constitutes a waiver of a Claim.
- 4.3.5.2 City Engineer will promptly investigate concealed or unknown conditions. If City Engineer determines that conditions at the site are not materially different and that no change in Contract Price or Contract Time is justified, City Engineer will notify Contractor in writing, stating reasons. If City Engineer determines the conditions differ materially and cause increase or decrease in Contractor's cost or time required for performance of part of the Work, City Engineer will recommend an adjustment in Contract Price or Contract Time, or both, as provided in Article 7. Opposition by a Party to the City Engineer's determination

must be made within 21 days after City Engineer has given notice of the decision. If the Parties cannot agree on adjustment to Contract Price or Contract Time, adjustment is subject to further proceedings pursuant to Section 4.4.

- 4.3.6 *Claims for Additional Cost:* If Contractor wishes to make a Claim for increase in Contract Price, Contractor shall give written notice before proceeding with work for which Contractor intends to submit a Claim. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 10.4.
- 4.3.6.1 Contractor may file a Claim in accordance with Section 4.4 if Contractor believes it has incurred additional costs, for the following reasons:
- 4.3.6.1.1 written interpretation of City Engineer;
 - 4.3.6.1.2 order by City Engineer to stop the Work when Contractor is not at fault;
 - 4.3.6.1.3 suspension of the Work by City Engineer;
 - 4.3.6.1.4 termination of the Contract by City Engineer; or
 - 4.3.6.1.5 The City's non-compliance with another provision of the Contract.
- 4.3.6.2 No increase in Contract Price is allowed for delays or hindrances to the Work, except for direct and unavoidable extra costs to Contractor caused by failure of the City to provide information and services, or to make land and materials available, when required of the City under the Contract. Any increase claimed is subject to the provisions of Section 4.4 and Article 7.
- 4.3.6.3 The City is not liable for Claims for delay when Date of Substantial Completion occurs prior to expiration of Contract Time.
- 4.3.7 *Claims for Additional Time:* If Contractor wishes to make a Claim for an increase in Contract Time, Contractor shall give written notice as provided in Section 8.2. In case of continuing delay, only one Claim is necessary.
- 4.4 **RESOLUTION OF CLAIMS AND DISPUTES.**
- 4.4.1 City Engineer will review Claims and take one or more of the following preliminary actions within 30 days of receipt of Claim:
- 4.4.1.1 submit a suggested time to meet and discuss the Claim with City Engineer;
 - 4.4.1.2 reject Claim, in whole or in part, stating reasons for rejection;
 - 4.4.1.3 recommend approval of the Claim by the other Party;
 - 4.4.1.4 suggest a compromise; or
 - 4.4.1.5 take other actions as City Engineer deems appropriate to resolve the Claim.
- 4.4.2 City Engineer may request additional supporting data from claimant. Party making Claim shall, within 10 days after receipt of City Engineer's request, submit additional supporting data requested by City Engineer.
- 4.4.3 At any time prior to rendering a written decision regarding a Claim, City Engineer may refer Claim to non-binding mediation. If Claim is resolved, City Engineer will prepare and obtain all appropriate documentation. If Claim is not resolved, City Engineer will take receipt of Claim and begin a new review under Section 4.4.
- 4.4.4 If Claim is not referred to or settled in non-binding mediation, City Engineer may conduct a hearing and will render a written decision, including findings of fact, within 75 days of receipt of Claim, or a time mutually agreed upon by the Parties in writing. City Engineer may notify Surety and request Surety's assistance in resolving Claim. City Engineer's decision is final and binding on the Parties.

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- 4.5 *CONDITION PRECEDENT TO SUIT; WAIVER OF ATTORNEY FEES AND INTEREST.*
- 4.5.1 A final decision by the City Engineer is a condition precedent to file suit in any jurisdiction for a claim made in connection with this Contract.
- 4.5.2 Neither the City nor Contractor may recover attorney fees for any claim brought in connection with this Contract.
- 4.5.3 Neither the City nor the Contractor may recover interest for any damages claim brought in connection with this Contract except as allowed by TEXAS LOCAL GOVERNMENT CODE Chapter 2251.
- 4.6 *INTERIM PAYMENT WAIVER & RELEASE.*
- 4.6.1 In accordance with section 4.3, the Contractor shall use due diligence in the discovery and submission of any Claim against the City related to the Contractor's work.
- 4.6.2 The Contractor shall submit any Claim to the City not later than the 90th day after the occurrence of the event giving rise to the Claim.
- 4.6.3 Any failure to timely comply with the requirements of section 4.6.2 waives and releases any Claim when the Contractor submits an application for payment after the 90th day.
- 4.6.4 This waiver does not cover any retainage. In case of any conflict of law, this language shall be revised to the minimum extent necessary to avoid legal conflict. This waiver is made specifically for the benefit of the City.

ARTICLE 5

SUBCONTRACTORS AND SUPPLIERS

- 5.1 *AWARD OF SUBCONTRACTS OTHER CONTRACTS FOR PORTIONS OF THE WORK.*
- 5.1.1 Contractor may not contract with a Subcontractor, Supplier, person, or entity that City Engineer has made a reasonable and timely objection to.
- 5.1.2 If City Engineer has a reasonable objection to person or entity proposed by Contractor, Contractor shall propose another with whom City Engineer has no reasonable objection.
- 5.1.3 Contractor shall execute contracts with approved Subcontractors, Suppliers, persons, or entities before the Subcontractors or Suppliers begin work under the Contract. All such contracts must be executed and sent to the OBO Director and Contracting Department within 30 days after the date of the Notice to Proceed and must include provisions set forth in Articles 3 and 5 of this Document.
- 5.1.4 Contractor shall notify City Engineer in writing of any proposed change of Subcontractor, Supplier, person, or entity previously accepted by the City.
- 5.1.5 Contractor shall make timely payments to Subcontractors and Suppliers for performance of the Contract. Contractor shall protect, defend, and indemnify the City from any claim or liability arising out of Contractor's failure to make the payments. Disputes relating to payment of Business Enterprise Subcontractors or Suppliers will be submitted to arbitration in same manner as other disputes under Business Enterprise subcontracts. Failure of Contractor to comply with decisions of arbitrator may be determined by City Engineer a material breach leading to termination of the Contract.
- 5.2 *CONTRACTOR RESPONSIBILITY FOR SUBCONTRACTORS.*

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- 5.2.1 Contractor is responsible to the City, as may be required by laws and regulations, for all acts and omissions of Subcontractors, Suppliers, and other persons and organizations performing or furnishing any of the Work under direct or indirect contract with Contractor.
- 5.2.2 Contractor shall make available to each proposed Subcontractor, prior to execution of subcontract, copies of the Contract to which Subcontractor is bound by this Section 5.2. Contractor shall notify Subcontractor of any terms of proposed subcontract which may be at variance with the Contract.
- 5.2.3 The City's approval of Subcontractor or Suppliers does not relieve Contractor of its obligation to perform, or to have performed to the full satisfaction of the City, the Work required by the Contract.
- 5.2.4 Unless there is a contractual relationship between Contractor and a Subcontractor or Supplier to the contrary, Contractor shall withhold no more retainage from Subcontractors or Suppliers than City withholds from Contractor under this Agreement. However, once a Subcontractor or Supplier completes performance, Contractor shall release all retainage to that Subcontractor or Supplier regardless if City continues to retain under this Agreement.
- 5.2.5 Prior to a Subcontractor or Supplier commencing performance for Contractor, Contractor shall meet with that Subcontractor or Supplier to provide instructions on invoicing procedures, dispute resolution procedures, and statutory rights, such as claim filing procedures under the McGregor Act. Subcontractors and Suppliers must certify to the City Engineer that Contractor has fulfilled the requirements of this Section.

ARTICLE 6

CONSTRUCTION BY THE CITY OR BY SEPARATE CONTRACTORS

- 6.1 *THE CITY'S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS.* The City may perform on-site construction operations related to the Work and as part of the Project with the City's workforce or with separate contractors.
- 6.2 *COORDINATION.*
- 6.2.1 The City will coordinate activities of the City's workforce and of each separate contractor with work of Contractor, and Contractor shall cooperate with the City and separate contractors.
- 6.2.1.1 Contractor shall participate with other separate contractors and the City in reviewing their construction schedules when directed to do so by the Project Manager. Contractor shall make revisions to construction schedule and Contract Price deemed necessary after joint review and mutual agreement. Construction schedules shall then constitute schedules to be used by Contractor, separate contractors, and the City, until subsequently revised.
- 6.2.2 Contractor shall afford to the City and to separate contractors reasonable opportunity for introduction and storage of their materials and equipment, and for performance of their activities.
- 6.2.3 If part of Contractor's work depends on proper execution of construction or operations by the City or a separate contractor, Contractor shall, prior to proceeding with that portion of the Work, inspect the other work and promptly report to City Engineer apparent discrepancies or defects in the other construction that would render it unsuitable for the proper execution of the Work. Failure of Contractor to report apparent discrepancies or defects in the other construction shall constitute acknowledgment that the City's or

separate contractor's completed or partially completed construction is fit and proper to receive Contractor's work, except as to discrepancies or defects not then reasonably discoverable.

6.3 **MUTUAL RESPONSIBILITY.**

6.3.1 The responsible party bears the costs caused by delays, by improperly timed activities, or by nonconforming construction.

6.3.2 Contractor shall promptly remedy damage caused by Contractor to completed or partially completed construction or to property of the City or separate contractor.

6.3.3 Claims or disputes between Contractor and other City contractors, or subcontractors of other City contractors, working on the Project must be submitted to binding arbitration in accordance with Construction Industry Arbitration Rules of the American Arbitration Association upon demand by any party to the dispute or by the City.

6.4 **THE CITY'S RIGHT TO CLEAN UP.** If dispute arises among Contractor, separate contractors, and the City as to responsibility under their respective contracts for maintaining premises and surrounding area free from waste materials and rubbish as described in Section 3.21, the City may clean up and allocate cost among those responsible, as determined by City Engineer.

ARTICLE 7

CHANGES IN THE WORK

7.1 **CHANGES.**

7.1.1 Changes in scope of the Work, subject to limitations in Article 7 and elsewhere in the Contract, may be accomplished without invalidating the Contract, or without notifying Surety by:

- 7.1.1.1 Change Order;
- 7.1.1.2 Work Change Directive; or
- 7.1.1.3 Minor Change in the Work.

7.1.2 The following types of Change Orders require City Council approval:

- 7.1.2.1 a single Change Order that exceeds five percent of Original Contract Price,
- 7.1.2.2 a Change Order which, when added to previous Change Orders, exceeds five percent of Original Contract Price,
- 7.1.2.3 a Change Order, in which the total value of increases outside of the general scope of work approved by City Council, when added to increases outside the general scope of work approved by City Council in previous Change Orders, exceeds 40 percent of the Original Contract Price, even if the net increase to the Original Contract Price is five percent or less.

In this context, "increase" means an increase in quantity resulting from the addition of locations not within the scope of work approved by City Council, or the addition of types of goods or services not bid as unit price items.

Nothing in this Section is intended to permit an increase of the Contract Price in excess of the limit set out in TEX. LOC. GOV'T CODE ANN. §252.048 or its successor statute.

7.1.3 Contractor shall proceed promptly to execute changes in the Work provided in Modifications, unless otherwise stated in the Modification.

7.2 **WORK CHANGE DIRECTIVES.**

- 7.2.1 A Work Change Directive cannot change Contract Price or Contract Time, but is evidence that the Parties agree that a change, ordered by directive, will be incorporated in a subsequently issued Change Order as to its effect, if any, on Contract Price or Contract Time.
- 7.2.2 Failure by Contractor to commence work identified in a Work Change Directive within the time specified by City Engineer, or to complete the work in a reasonable period of time, may be determined by City Engineer to be a material breach of Contract.
- 7.2.3 A Work Change Directive is used in the absence of total agreement of the terms of a Change Order. Interim payments are made in accordance with Paragraph 9.6.1.
- 7.2.4 If Contractor signs a Work Change Directive, then Contractor agrees to its terms including adjustment in Contract Price and Contract Time or method for determining them. Agreement by the Parties to adjustments in Contract Price and Contract Time are immediately recorded as a Change Order.
- 7.2.5 City Engineer, by Work Change Directive, may direct Contractor to take measures as necessary to expedite construction to achieve Date of Substantial Completion on or before expiration of Contract Time. When the Work is expedited solely for convenience of the City and not due to Contractor's failure to prosecute timely completion of the Work, then Contractor is entitled to an adjustment in Contract Price equal to actual costs determined in accordance with Article 7.

7.3 **ADJUSTMENTS IN CONTRACT PRICE.**

- 7.3.1 Adjustments in Contract Price are accomplished by Change Order and are based on one of the following methods:
 - 7.3.1.1 mutual acceptance of fixed price, properly itemized and supported by sufficient data to permit evaluation;
 - 7.3.1.2 unit prices stated in the Contract or subsequently agreed upon;
 - 7.3.1.3 cost to be determined in a manner agreed upon by the Parties and mutually acceptable fixed or percentage fee; or
 - 7.3.1.4 as provided in Paragraph 7.3.2.
- 7.3.2 If Contractor does not agree with a change in Contract Price or Contract Time or the method for adjusting them specified in the Work Change Directive within 21 days from date of the Work Change Directive's issuance, method and adjustment are determined by City Engineer. If Project Manager or Contractor disagree with City Engineer's determination they then may file a Claim in accordance with Section 4.4.

| | <u>Overhead</u> | <u>Profit</u> |
|---|-----------------|---------------|
| to Contractor for change in the Work performed by Subcontractors: | 10 percent | 0 percent |
| to first tier Subcontractors for change in the Work performed by its Subcontractors: | 10 percent | 0 percent |
| to Contractor and Subcontractor for change in the Work performed by their respective firms: | 10 percent | 5 percent |

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- 7.3.2.1 If City Engineer determines a method and adjustment in Contract Price under Paragraph 7.3.2, Contractor shall provide, in a form as City Engineer may prescribe, appropriate supporting data for items submitted under Paragraph 7.3.2. Failure to submit the data within 21 days of request for the data by City Engineer shall constitute waiver of a Claim.
- 7.3.2.2 Unless otherwise provided in the Contract, costs for the purposes of this Paragraph 7.3.2 are limited to the following:
- 7.3.2.2.1 costs of labor, including labor burden as stated below for social security, unemployment insurance, customary and usual fringe benefits required by agreement or custom, and Workers' Compensation insurance;
 - 7.3.2.2.1.1 the maximum labor burden applied to costs of labor for changes in the Work is 55 percent;
 - 7.3.2.2.2 costs of materials, supplies, and equipment, including cost of transportation, whether incorporated or consumed;
 - 7.3.2.2.3 rental costs of machinery and equipment, exclusive of hand tools, whether rented from Contractor or others, with prior approval of City Engineer;
 - 7.3.2.2.4 costs of premiums for Bonds and insurance and permit fees related to the change in the Work;
 - 7.3.2.2.5 additional costs of direct supervision of work and field office personnel directly attributable to the change; and
 - 7.3.2.2.6 allowances for overhead and profit as stated below.
 - 7.3.2.2.6.1 the maximum allowances for overhead and profit on increases due to Change Orders:
 - 7.3.2.2.6.2 for changes in the Work performed by Contractor and Subcontractors, allowance for overhead and profit are applied to an amount equal to cost of all additions less cost of all deletions to the Work. Allowance for overhead to Contractor and first tier Subcontractors on changes performed by Subcontractors are applied to an amount equal to the sum of all increases to the Work by applicable Subcontractors.
- 7.3.3 If the City deletes or makes a change, which results in a net decrease in Contract Price, the City is entitled to a credit calculated in accordance with Paragraphs 7.3.1 and 7.3.2 and Subparagraphs 7.3.2.1, and 7.3.2.2.1 through 7.3.2.2.5. When both additions and credits covering related work or substitutions are involved in a change, allowance for overhead and profit is figured on the basis of a net increase, if any, with respect to that change in accordance with Subparagraph 7.3.2.2.6.
- 7.3.4 When Contractor agrees with the determination made by City Engineer concerning adjustments in Contract Price and Contract Time, or the Parties otherwise reach agreement upon the adjustments, the agreement will be immediately recorded by Change Order.
- 7.4 **MINOR CHANGES IN THE WORK.** A Minor Change in Work is binding on the Parties. Contractor shall acknowledge, in a written form acceptable to City Engineer, that there is no change in Contract Time or Contract Price and shall carry out the written orders promptly.

ARTICLE 8

TIME

8.1 ***PROGRESS AND COMPLETION.***

8.1.1 Time is of the essence in the Contract. By executing the Contract, Contractor agrees that Contract Time is a reasonable period for performing the Work.

8.1.2 *Computation of Time:* In computing any period of time prescribed or allowed by the General Conditions, the day of the act, event, or default after which designated period of time begins to run is not to be included. Last day of the period so computed is to be included, unless it is a Sunday or Legal Holiday, in which event the period runs until end of next day which is not a Sunday or Legal Holiday. Sundays and Legal Holidays are considered to be days and are to be included in all other time computations relative to Contract Time.

8.1.3 Contractor may not commence the Work prior to the effective date of insurance and Bonds required by Article 11.

8.1.4 Contractor shall proceed expeditiously and without interruption, with adequate forces, and shall achieve Date of Substantial Completion within Contract Time.

8.1.5 Should progress of the Work fall behind construction schedule, except for reasons stated in Paragraph 8.2.1, Contractor shall promptly submit at the request of Project Manager, updated construction schedule to City Engineer for approval. Contractor's failure to submit updated schedule may, at City Engineer's discretion, constitute a material breach of the Contract. Contractor shall take action necessary to restore progress by working the hours, including night shifts and lawful overtime operations as necessary, to achieve Date of Substantial Completion within Contract Time.

8.1.6 Except in connection with safety or protection of persons or the Work or property at the site or adjacent to the site, and except as otherwise indicated in the Contract, all the Work at the site will be performed Monday through Saturday between the hours of 7:00 a.m. and 7:00 p.m. Contractor may not perform work between 7:00 p.m. and 7:00 a.m., on a Sunday, or on a Legal Holiday, without giving City Engineer 24-hour prior written notice and receiving written consent of City Engineer.

8.2 ***DELAYS AND EXTENSIONS OF TIME.***

8.2.1 Contractor may request extension of Contract Time for a delay in performance of work that arises from causes beyond control and without fault or negligence of Contractor. Examples of these causes are:

- 8.2.1.1 acts of God or of the public enemy;
- 8.2.1.2 acts of government in its sovereign capacity;
- 8.2.1.3 fires;
- 8.2.1.4 floods;
- 8.2.1.5 epidemics;
- 8.2.1.6 quarantine restrictions;
- 8.2.1.7 strikes;
- 8.2.1.8 freight embargoes;
- 8.2.1.9 unusually severe weather; and
- 8.2.1.10 discovery of Pollutants or Pollutant Facilities at the site.

8.2.2 For any reason other than those listed in Section 4.3.6.2, if the Contractor's work is delayed in any manner or respect, the Contractor shall have no claim for damages and shall have no right of additional compensation from the City by reason of any delay or

increased expense to the Contractor's work, except for an extension of time as provided in this provision.

- 8.2.3 Contractor may request an extension of Contract Time for delay only if:
 - 8.2.3.1 delay is caused by failure of Subcontractor or Supplier to perform or make progress; and
 - 8.2.3.2 cause of failure is beyond control of both Contractor and Subcontractor or Supplier.
- 8.2.4 Claims relating to Contract Time must be made in accordance with Paragraph 4.3.7.
- 8.2.5 Claims for extending or shortening Contract Time are based on written notice promptly delivered by the Party making Claim to other Party. Claim must accurately describe occurrence generating Claim, and a statement of probable effect on progress of the Work.
- 8.2.6 Claims for extension of Contract Time are considered only when a Claim is filed within the time limits stated in Paragraph 4.3.3.
 - 8.2.6.1 Notwithstanding paragraph 4.3.3, an extension of time for delays under this paragraph may be granted only upon written application by the Contractor within 48 hours from the claimed delay.
- 8.2.7 Written notice of Claim must be accompanied by claimant's written statement that adjustment claimed is entire adjustment to which claimant is entitled as a result of the occurrence of the event. When the Parties cannot agree, Claims for adjustment in Contract Time are determined by City Engineer in accordance with Section 4.4.
- 8.2.8 Adjustments to Contract Time are accomplished by Change Order.

ARTICLE 9

PAYMENTS AND COMPLETION

- 9.1 ***UNIT PRICE WORK.***
 - 9.1.1 Where the Contract provides that all or part of the Work is based on Unit Prices, the Original Contract Price includes, for all Unit Price work, an amount equal to the sum of Unit Prices times Unit Price Quantities for each separately identified item of Unit Price work.
 - 9.1.2 Each Unit Price includes an amount to cover Contractor's overhead and profit for each separately identified item.
 - 9.1.3 The Contractor may not make a Claim against the City for excess or deficiency in Unit Price Quantities provided in the Contract, except as provided in Subparagraph 9.1.4. Payment at the prices stated in the Contract is in full for the completed work. Contractor is not entitled to additional payment for materials, supplies, labor, tools, machinery and all other expenditures incidental to satisfactory completion of the Work.
 - 9.1.4 City Engineer may increase or decrease quantities of the Work within limitations stated in Paragraph 7.1.2. Contractor is entitled to payment for actual quantities of items provided at Unit Prices set forth in the Contract.
 - 9.1.5 Where the final quantity of work performed by Contractor on Major Unit Price Work item differs by more than 25 percent from quantity of the item stated in the Contract, a Party may request an adjustment in Unit Price, for the portion that differs by more than 25 percent, by a Change Order under Section 7.3.

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- 9.2 ***ESTIMATES FOR PAYMENT, UNIT PRICE WORK.***
- 9.2.1 Following the day of each month indicated in the Contract, Project Manager will prepare a Certificate for Payment for the preceding monthly period based on estimated units of work completed. Prior to preparing Certificate of Payment, Contractor shall have submitted to City Engineer, on a form approved by the Director of the Office of Business Opportunity, evidence satisfactory to the City Engineer of payments made to Subcontractors and Suppliers for the month preceding the month for which the Certificate for Payment is prepared, including evidence of electronic submission of certified payrolls.
- 9.2.2 Before final completion, City Engineer will review and confirm with Contractor the actual final installed Unit Price quantities. City Engineer's determination of actual final installed Unit Price quantities will be included in the final Certificate for Payment and any previous underpayments and overpayments will be reconciled with the actual final Unit Price quantities. Contractor shall file written notice of intent to appeal, if any, City Engineer's determination within 10 days of receipt of final Certificate for Payment. Upon expiration of the 10-day period, City Engineer's decision is final and binding on the Parties. If Contractor submits notice within the 10-day period, Contractor shall submit a Claim in accordance with Section 4.4.
- 9.3 ***STIPULATED PRICE WORK.*** For work contracted on a Stipulated Price basis, 10 days before submittal of first Application for Payment, Contractor shall submit to City Engineer a Schedule of Values allocated to various portions of the Work, prepared in the form and supported by the data as City Engineer may require to substantiate its accuracy. This schedule, as approved by City Engineer, is used as a basis for approval of Contractor's Applications for Payment.
- 9.4 ***APPLICATIONS FOR PAYMENT, STIPULATED PRICE WORK.***
- 9.4.1 For work contracted on a Stipulated Price basis, Contractor shall submit Applications for Payment to City Engineer each month on a form acceptable to City Engineer in accordance with Schedule of Values. Application must indicate percentages of completion of each portion of the Work listed in Schedule of Values as of the end of the period covered by the Application for Payment.
- 9.4.2 Applications for Payment must be supported by substantiating data as City Engineer may require and must reflect retainages as provided below. Evidence satisfactory to the City Engineer of payments made to Subcontractors and Suppliers for the month preceding the month for which the Application for Payment is submitted must accompany each Application for Payment on a form approved by the Director of the Office of Business Opportunity. Evidence of electronic submission of certified payrolls must be included. Application must be sworn and notarized.
- 9.5 ***CERTIFICATES FOR PAYMENT.***
- 9.5.1 City Engineer will, within 10 days after the date specified in the Contract for Unit Price work, or upon receipt of Contractor's Application for Payment for Stipulated Price work, issue a Certificate for Payment for work based on amount which City Engineer determines is properly due, with copy to Contractor.
- 9.5.2 Unless otherwise provided in the Contract, payment for completed work and for properly stored Products is conditioned upon compliance with procedures satisfactory to City Engineer to protect the City's interests. Procedures will include applicable insurance, storage, and transportation to site for materials and equipment stored off-site. Contractor is responsible for maintaining materials and equipment until Date of Substantial Completion.
- 9.5.3 Contractor shall document its use of Ultra Low Sulfur Diesel Fuel by providing invoices and receipts evidencing Contractor's use.

9.6 **COMPUTATIONS OF CERTIFICATES FOR PAYMENT.**

- 9.6.1 Subject to the provisions of the Contract, the amount of each Certificate for Payment is calculated as follows:
- 9.6.1.1 that portion of Contract Price allocated to completed work as determined by:
 - 9.6.1.1.1 multiplying the percentage of completion of each portion of the Work listed in the Schedule of Values by the value of that portion of the Work, or
 - 9.6.1.1.2 multiplying Unit Price quantities Installed times the Unit Prices listed in the Contract;
 - 9.6.1.2 plus progress payments for completed work that has been properly authorized by Modifications;
 - 9.6.1.3 less retainage of five percent;
 - 9.6.1.4 plus actual costs, properly substantiated by certified copies of invoices and freight bills, of non-perishable materials and equipment delivered and properly stored, if approved in advance by Project Manager, less 15 percent;
 - 9.6.1.5 less any previous payments by the City.

9.7 **DECISIONS TO WITHHOLD CERTIFICATION.**

- 9.7.1 City Engineer may decline to certify payment and may withhold payment in whole or in part to the extent reasonably necessary to protect the City if, in City Engineer's opinion, there is reason to believe that:
- 9.7.1.1 nonconforming work has not been remedied;
 - 9.7.1.2 the Work cannot be completed for unpaid balance of Contract Price;
 - 9.7.1.3 there is damage to the City or another contractor;
 - 9.7.1.4 the Work will not be completed within Contract Time and that unpaid balance will not be adequate to cover actual and liquidated damages;
 - 9.7.1.5 probable evidence that third party claims will be filed in court, in arbitration, or otherwise;
 - 9.7.1.6 Contractor has failed to make payments to Subcontractors or Suppliers for labor, material, or equipment; or
 - 9.7.1.7 Contractor has persistently failed to carry out work in accordance with the Contract.
 - 9.7.1.8 Contractor has not paid Subcontractors or Suppliers because of a payment dispute; or
 - 9.7.1.9 Contractor has failed to provide satisfactory evidence described in Paragraphs 9.2.1, 9.4.2, and 9.8.2.
- 9.7.2 When the above reasons for withholding certification are removed, certification will be made for amounts previously withheld.
- 9.7.3 City Engineer may decline to certify payment and may withhold request for payment in whole or in part upon failure of Contractor to submit initial construction schedule or monthly schedule updates, as required in Paragraphs 3.15.1 and 3.15.3.

9.8 **PROGRESS PAYMENTS.**

- 9.8.1 The City will make payment, in an amount certified by City Engineer, within 20 days after City Engineer has issued a Certificate for Payment.
- 9.8.2 The City has no obligation to pay or to facilitate the payment to a Subcontractor or Supplier, except as may otherwise be required by law. Contractor shall comply with the prompt payment requirements of Chapter 2251 of the Government Code. State law requires payment of Subcontractors and Suppliers by Contractor within 7 calendar days of Contractor's receipt of payment from the City, unless there is a payment dispute between Contractor and a Subcontractor or Supplier evidenced on a form approved by

the Director of Mayor's Office of Business Opportunity and submitted to the City Engineer each month with Application for Payment or Estimate for Payment. **CONTRACTOR SHALL DEFEND AND INDEMNIFY THE CITY FROM ANY CLAIMS OR LIABILITY ARISING OUT OF CONTRACTOR'S FAILURE TO MAKE THESE PAYMENTS.**

9.8.2.1 The City may, upon request and at the discretion of City Engineer, furnish to Subcontractor information regarding percentages of completion or the amounts applied for by Contractor, and action taken thereon by the City because of work done by the Subcontractor.

9.8.2.2 Contractor shall prepare and submit to City Engineer a Certification of Payment to Subcontractors and Suppliers form to be attached to each monthly Estimate for Payment or Application for Payment.

9.8.3 A Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Work by the City, does not constitute acceptance of work which is not in accordance with the Contract.

9.9 **DATE OF SUBSTANTIAL COMPLETION.**

9.9.1 When Contractor considers the Work, or a portion thereof designated by City Engineer, to be substantially complete, Contractor shall prepare and submit to Project Manager a comprehensive punch list of items to be completed or corrected. Failure to include an item on the punch list does not alter the responsibility of Contractor to comply with the Contract.

9.9.1.1 By submitting the punch list to Project Manager, Contractor represents that work on the punch list will be completed within the time provided for in Subparagraph 9.9.4.3.

9.9.2 Upon receipt of Contractor's punch list, Project Manager will inspect the Work, or designated portion thereof, to verify that the punch list contains all items needing completion or correction. If Project Manager's inspection discloses items not on Contractor's punch list, the items must be added to the punch list of items to be completed or corrected. If Project Manager's inspection reveals that Contractor is not yet substantially complete, Contractor shall complete or correct the deficiencies and request another inspection by Project Manager. The City may recover the costs of re-inspection from Contractor.

9.9.3 Prior to City Engineer's issuing a Certificate of Substantial Completion, Contractor shall also provide:

9.9.3.1 Certificate of Occupancy for new construction, or Certificate of Compliance for remodeled work, as applicable, and

9.9.3.2 compliance with Texas Accessibility Standards through state inspection of the Work, if required. If Contractor calls for inspection in a timely manner and the inspection is delayed through no fault of Contractor, and City Engineer so confirms, City Engineer may, upon request by Contractor, add the inspection to the punch list in Paragraph 9.9.2 and issue a Certificate of Substantial Completion.

9.9.4 When the Work, or designated portion thereof, is determined by City Engineer to be sufficiently complete in accordance with the Contract so the City can occupy or utilize the Work, or designated portion thereof, for the purpose for which it is intended, City Engineer will prepare a Certificate of Substantial Completion that incorporates the punch list in Paragraph 9.9.2 and establishes:

9.9.4.1 Date of Substantial Completion;

9.9.4.2 responsibilities of the Parties for security, maintenance, heating, ventilating and air conditioning, utilities, damage to the Work, and insurance; and

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- 9.9.4.3 fixed time within which Contractor shall complete all items on punch list of items to be corrected accompanying the certificate.
- 9.9.5 Warranties required by the Contract shall commence on the Date of Substantial Completion unless otherwise provided by City Engineer in Certificate of Substantial Completion. Warranties may not commence on items not substantially completed.
- 9.9.6 After Date of Substantial Completion and upon application by Contractor and approval by City Engineer, the City may make payment, reflecting adjustment in retainage, if any, as follows:
- 9.9.6.1 with the consent of Surety, the City may increase payment to Contractor to 96 percent of Contract Price, less value of items to be completed and accrued liquidated damages.
- 9.9.7 Contractor shall complete or correct the items in Paragraph 9.9.2 within the time period set out in the Certificate of Substantial Completion. If Contractor fails to do so, the City may issue a Notice of Noncompliance and proceed according to Section 2.5.
- 9.10 ***PARTIAL OCCUPANCY OR USE.***
- 9.10.1 The City may occupy or use any completed or partially completed portion of the Work at any stage, provided the occupancy or use is consented to by Contractor and Contractor's insurer and authorized by public authorities having jurisdiction over the Work. Consent of Contractor to partial occupancy or use may not be unreasonably withheld.
- 9.10.2 Immediately prior to the partial occupancy or use, Project Manager and Contractor shall jointly inspect the area to be occupied or portion of the Work to be used to determine and record condition of the Work.
- 9.10.3 Partial occupancy or use of a portion of the Work does not constitute acceptance of work not in compliance with requirements of the Contract.
- 9.11 ***FINAL COMPLETION AND FINAL PAYMENT.***
- 9.11.1 Contractor shall review the Contract and inspect the Work prior to Contractor notification to City Engineer that the Work is complete and ready for final inspection. Contractor shall submit affidavit that the Work has been inspected and that the Work is complete in accordance with requirements of the Contract.
- 9.11.2 Project Manager will make final inspection within 15 days after receipt of Contractor's written notice that the Work is ready for final inspection and acceptance. If Project Manager finds the Work has been completed in accordance with the Contract, Contractor shall submit items set out in Paragraph 9.11.4 and, for stipulated price contracts, a final Application for Payment. City Engineer will, within 10 days, issue Certificate of Final Completion stating that to the best of City Engineer's knowledge, information, and belief, the Work has been completed in accordance with the Contract, and will recommend acceptance of the Work by City Council.
- 9.11.3 Should work be found not in compliance with requirements of the Contract, City Engineer will notify Contractor in writing of items of noncompliance. Upon inspection and acceptance of the corrections by Project Manager, compliance with all procedures of Paragraph 9.11.2, and Contractor's submission of the items set out in Paragraph 9.11.4, the City Engineer will issue Certificate of Final Completion to Contractor as provided in Paragraph 9.11.2.
- 9.11.4 Contractor shall submit the following items to City Engineer before City Engineer will issue a Certificate of Final Completion:

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- 9.11.4.1 affidavit that payrolls, invoices for materials and equipment, and other indebtedness of Contractor connected with the Work, less amounts withheld by the City, have been paid or otherwise satisfied. If required by City Engineer, Contractor shall submit further proof including waiver or release of lien or claims from laborers or Suppliers of Products;
 - 9.11.4.2 certificate evidencing that insurance required by the Contract to remain in force after final payment is currently in effect, will not be canceled or materially changed until at least 30 days written notice has been given to the City;
 - 9.11.4.3 written statement that Contractor knows of no substantial reason that insurance will not be renewable to cover correction and warranty period required by the Contract;
 - 9.11.4.4 consent of Surety to final payment; and
 - 9.11.4.5 copies of record documents, maintenance manuals, tests, inspections, and approvals.

Upon City Engineer's issuance of a Certificate of Final Completion, Contractor may request increase in payment to 99 percent of Contract Price, less accrued liquidated damages.

- 9.11.5 If Contractor fails to submit required items in Paragraph 9.11.4 within 10 days of Project Manager's inspection of the Work under Paragraph 9.11.2 or Paragraph 9.11.3, City Engineer may, but is not obligated to:
 - 9.11.5.1 deduct liquidated damages accrued from monies held;
 - 9.11.5.2 proceed to City Council for acceptance of the Work, minus some or all of the items Contractor fails to submit under Paragraph 9.11.4; and,
 - 9.11.5.3 upon acceptance by City Council of the portion of the Work completed, make final payment as set out in Paragraph 9.11.8.
 - 9.11.6 If final completion is materially delayed through no fault of Contractor, or by issuance of Change Orders affecting date of final completion, and City Engineer so confirms, the City may, upon application by Contractor and certification by City Engineer, and without terminating the Contract, make payment of balance due for that portion of the Work fully completed and accepted.
 - 9.11.7 If remaining balance due for work not corrected is less than retainage stipulated in the Contract, Contractor shall submit to City Engineer written consent of Surety to payment of balance due for that portion of the Work fully completed and accepted, prior to certification of the payment. The payment is made under terms governing final payment, except that it does not constitute waiver of Claims.
 - 9.11.8 The City will make final payment to Contractor within 30 days after acceptance of the Work by City Council, subject to limitations, if any, as stated in the Contract.
 - 9.11.9 Acceptance of final payment by Contractor shall constitute a waiver of all Claims, whether known or unknown, by Contractor, except those previously made in writing and identified by Contractor as unsettled at the time of final payment.
- 9.12 **LIQUIDATED DAMAGES.**
- 9.12.1 Contractor, Surety, and the City agree that failure to complete the Work within Contract Time will cause damages to the City and that actual damages from harm are difficult to estimate accurately. Therefore, Contractor, Surety, and the City agree that Contractor and Surety are liable for and shall pay to the City the amount stipulated in Supplementary Conditions as liquidated damages, and that the amount of damages fixed therein is a reasonable forecast of just compensation for harm to the City resulting from Contractor's

failure to complete the Work within Contract Time. The amount stipulated will be paid for each day of delay beyond Contract Time until Date of Substantial Completion.

- 9.12.2 Contractor shall pay the City an amount equal to \$1,200.00 per diesel operating vehicle or piece of motorized equipment per incident of high sulfur diesel fuel usage.

ARTICLE 10

SAFETY PRECAUTIONS

- 10.1 **SAFETY PROGRAMS.** Contractor is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with performance of the Contract. Contractor shall submit a safety program to City Engineer prior to mobilizing for the Work, and is solely responsible for safety, efficiency, and adequacy of ways, means, and methods, and for damage which might result from failure or improper construction, maintenance, or operation performed by Contractor.
- 10.2 **POLLUTANTS AND POLLUTANT FACILITIES.**
- 10.2.1 If Contractor encounters material on-site which it reasonably believes to be a Pollutant or facilities which it reasonably believes to be a Pollutant Facility, Contractor shall immediately stop work in affected area and immediately notify City Engineer, confirming the notice thereafter in writing.
- 10.2.2 If City Engineer determines that the material is a Pollutant or facility is a Pollutant Facility, work in affected area may not be resumed except by Modification, and only if the work would not violate applicable laws or regulations.
- 10.2.3 If City Engineer determines that the material is not a Pollutant or a facility is not a Pollutant Facility, work in affected area will be resumed upon issuance of a Modification.
- 10.2.4 Contractor is not required to perform, unless authorized by Change Order, work relating to Pollutants or Pollutant Facilities except for that work relating to Pollutants or Pollutant Facilities specified in the Contract.
- 10.3 **SAFETY OF THE ENVIRONMENT, PERSONS, AND PROPERTY.**
- 10.3.1 Contractor shall take reasonable precautions for safety and shall provide reasonable protection to prevent damage, injury, or loss from all causes, to:
- 10.3.1.1 employees performing work on-site, and other persons who may be affected thereby;
- 10.3.1.2 work, including Products to be incorporated into the Work, whether in proper storage, under control of Contractor or Subcontractor; and
- 10.3.1.3 other property at or adjacent to the site, such as trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal or replacement in course of construction.
- 10.3.2 Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations, and lawful orders of public authorities bearing on safety of persons, property, or environment.
- 10.3.2.1 Contractor shall comply with requirements of Underground Facility Damage Prevention and Safety Act TEX. UTIL. CODE ANN. Ch. 251 (Vernon Supp. 2002).
- 10.3.2.2 Contractor shall comply with all safety rules and regulations of the Federal Occupational Health and Safety Act of 1970 and subsequent amendments (OSHA).

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- 10.3.3 Contractor shall erect and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection of persons and property, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent sites and utilities.
- 10.3.4 Contractor shall designate responsible member of Contractor's organization at site whose duty is prevention of accidents. This person will be Contractor's Superintendent unless otherwise designated by Contractor in writing to City Engineer.
- 10.3.5 Contractor shall prevent windblown dust and may not burn or bury trash debris or waste products on-site. Contractor shall prevent environmental pollution, including but not limited to particulates, gases and noise, as a result of the Work.
- 10.3.6 When use or storage of hazardous materials or equipment, or unusual methods are necessary for execution of the Work, Contractor shall exercise utmost care and carry on the activities under supervision of properly qualified personnel.
- 10.3.7 Contractor shall promptly remedy damage and loss to property referred to in Subparagraphs 10.3.1.2 and 10.3.1.3, caused in whole or in part by Contractor, or Subcontractors, which is not covered by insurance required by the Contract. Contractor is not required to remedy damage or loss attributable to the City, Design Consultant, or other contractors.
- 10.4 **EMERGENCIES.** In emergencies affecting safety of persons or property, Contractor shall act at Contractor's discretion to prevent imminent damage, injury, or loss. Additional compensation or extension of time claimed by Contractor because of emergencies are determined as provided in Article 7.

ARTICLE 11

INSURANCE AND BONDS

- 11.1 **GENERAL INSURANCE REQUIREMENTS.**
- 11.1.1 With no intent to limit Contractor's liability under indemnification provisions set forth in Paragraphs 3.25 and 3.26, Contractor shall provide and maintain in full force and effect during term of the Contract and all extensions and amendments thereto, at least the following insurance and available limits of liability.
- 11.1.2 If any of the following insurance is written as "claims made" coverage and the City is required to be carried as additional insured, then Contractor's insurance shall include a two-year extended discovery period after last date that Contractor provides any work under the Contract.
- 11.1.3 Aggregate amounts of coverage, for purposes of the Contract, are agreed to be amounts of coverage available during fixed 12-month policy period.
- 11.2 **INSURANCE TO BE PROVIDED BY CONTRACTOR.**
- 11.2.1 *Risks and Limits of Liability.* Contractor shall maintain the insurance coverages in the listed amounts, as set out in Table 1.
- 11.2.2 If Limit of Liability for Excess Coverage is \$2,000,000 or more, Limit of Liability for Employer's Liability may be reduced to \$500,000.
- 11.2.3 *Insurance Coverage.* At all times during the term of this Contract and any extensions or renewals, Contractor shall provide and maintain insurance coverage that meets the

Contract requirements. Prior to beginning performance under the Contract, at any time upon the Director's request, or each time coverage is renewed or updated, Contractor shall furnish to the Director current certificates of insurance, endorsements, all policies, or other policy documents evidencing adequate coverage, as necessary. Contractor shall be responsible for and pay (a) all premiums and (b) any claims or losses to the extent of any deductible amounts. Contractor waives any claim it may have for premiums or deductibles against the City, its officers, agents, or employees. Contractor shall also require all subcontractors or consultants whose subcontracts exceed \$100,000 to provide proof of insurance coverage meeting all requirements stated above except amount. The amount must be commensurate with the amount of the subcontract, but no less than \$500,000 per claim.

- 11.2.4 *Form of insurance.* The form of the insurance shall be approved by the Director and the City Attorney; such approval (or lack thereof) shall never (a) excuse non-compliance with the terms of this Section, or (b) waive or estop the City from asserting its rights to terminate this Contract. The policy issuer shall (1) have a Certificate of Authority to transact insurance business in Texas, or (2) be an eligible non-admitted insurer in the State of Texas and have a Best's rating of at least B+, and a Best's Financial Size Category of Class VI or better, according to the most current Best's Key Rating Guide. Each insurer is subject to approval by City Engineer in City Engineer's sole discretion as to conformance with these requirements.
- 11.2.5 *Required Coverage.* The City shall be an Additional Insured under this Contract, and all policies except Professional Liability and Worker's Compensation must name the City as an Additional Insured. Contractor waives any claim or right of subrogation to recover against the City, its officers, agents, or employees, and each of Contractor's insurance policies except professional liability must contain coverage waiving such claim. Each policy, except Workers' Compensation and Professional Liability, must also contain an endorsement that the policy is primary to any other insurance available to the Additional Insured with respect to claims arising under this Contract. If professional liability coverage is written on a "claims made" basis, Contractor shall also provide proof of renewal each year for two years after substantial completion of the Project, or in the alternative: evidence of extended reporting period coverage for a period of two years after substantial completion, or a project liability policy for the Project covered by this Contract with a duration of two years after substantial completion.
- 11.2.6 *Deductibles.* Contractor assumes and bears any claims or losses to extent of deductible amounts and waives any claim it may ever have for same against the City, its officers, agents, or employees.
- 11.2.7 *Notice.* **CONTRACTOR SHALL GIVE 30 DAYS' ADVANCE WRITTEN NOTICE TO THE DIRECTOR IF ANY OF ITS INSURANCE POLICIES ARE CANCELED OR NON-RENEWED.** Within the 30-day period, Contractor shall provide other suitable policies in order to maintain the required coverage. If Contractor does not comply with this requirement, the Director, at his or her sole discretion, may immediately suspend Contractor from any further performance under this Agreement and begin procedures to terminate for default.
- 11.2.8 *Subrogation.* Contractor waives any claim or right of subrogation to recover against the City, its officers, agents, or employees. Each policy, except professional liability, must contain an endorsement waiving such claim.
- 11.2.9 *Endorsement of Primary Insurance.* Each policy, except Workers' Compensation policies, must contain an endorsement that the policy is primary insurance to any other insurance available to additional insured with respect to claims arising hereunder.

11.2.10 *Liability for Premium.* Contractor is solely responsible for payment of all insurance premium requirements hereunder and the City is not obligated to pay any premiums.

11.2.11 *Additional Requirements for Workers' Compensation Insurance Coverage.* Contractor shall, in addition to meeting the obligations set forth in Table 1, maintain throughout the term of the Contract Workers' Compensation coverage as required by statute, and Contractor shall specifically comply with requirements set forth in Paragraph 11.2.10. The definitions set out below shall apply only for purposes of this Paragraph 11.2.10.

11.2.12 Definitions.

11.2.12.1 *Certificate of Coverage:* A copy of certificate of insurance, or coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory Workers' Compensation insurance coverage for Contractor's, Subcontractor's, or Supplier's employees providing services for the duration of the Contract.

11.2.12.2 *Duration of the Work:* Includes the time from Date of Commencement of the Work until Contractor's work under the Contract has been completed and accepted by City Council.

11.2.12.3 *Persons providing services for the Work (Subcontractor in Texas Labor Code § 406.096):* includes all persons or entities performing all or part of services Contractor has undertaken to perform on the Work, regardless of whether that person contracted directly with Contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of the entity, or employees of entity which furnishes persons to provide services on the Work. Services include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to the Work. Services do not include activities unrelated to the Work, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

11.2.13 Contractor shall provide coverage, based on proper reporting of classification codes and payroll amounts and filing of coverage agreements, which meets the statutory requirements of TEX. LAB. CODE ANN., Section 401.011(44) for employees of Contractor providing services on the Work, for duration of the Work.

11.2.14 Contractor shall provide a Certificate of Coverage to the City prior to being awarded the Contract.

11.2.15 If coverage period shown on Contractor's original Certificate of Coverage ends during duration of the Work, Contractor shall file new Certificate of Coverage with the City showing that coverage has been extended.

11.2.16 Contractor shall obtain from each person providing services on the Work, and provide to City Engineer:

11.2.16.1 Certificate of Coverage, prior to that person beginning work on the Work, so the City will have on file Certificates of Coverage showing coverage for all persons providing services on the Work; and

11.2.16.2 no later than seven days after receipt by Contractor, new Certificate of Coverage showing extension of coverage, if coverage period shown on current Certificate of Coverage ends during the duration of the Work.

11.2.17 Contractor shall retain all required Certificates of Coverage for the duration of the Work and for one year thereafter.

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- 11.2.18 Contractor shall notify City Engineer in writing by certified mail or personal delivery, within 10 days after Contractor knew or should have known, of any change that materially affects provision of coverage of any person providing services on the Work.
- 11.2.19 Contractor shall post on-site a notice, in text, form and manner prescribed by Texas Workers' Compensation Commission, informing all persons providing services on the Work that they are required to be covered, and stating how person may verify coverage and report lack of coverage.
- 11.2.20 Contractor shall contractually require each person with whom it contracts to provide services on the Work to:
- 11.2.20.1 provide coverage, based on proper reporting of classification codes, payroll amounts and filing of any coverage agreements, which meets statutory requirements of TEX. LAB. CODE ANN., Section 401.011(44) for all its employees providing services on the Work, for the duration of the Work;
 - 11.2.20.2 provide to Contractor, prior to that person's beginning work on the Work, a Certificate of Coverage showing that coverage is being provided for all employees of the person providing services on the Work, for the duration of the Work;
 - 11.2.20.3 provide Contractor, prior to the end of the coverage period, a new Certificate of Coverage showing extension of coverage, if the coverage period shown on the current Certificate of Coverage ends during the duration of the Work;
 - 11.2.20.4 obtain from each other person with whom it contracts, and provide to Contractor: (1) Certificate of Coverage, prior to other person's beginning work on the Work; and (2) new Certificate of Coverage showing extension of coverage, prior to end of coverage period, if coverage period shown on the current Certificate of Coverage ends during duration of the Work.
 - 11.2.20.5 retain all required Certificates of Coverage on file for the duration of the Work and for one year thereafter;
 - 11.2.20.6 notify City Engineer in writing by certified mail or personal delivery within 10 days after person knew, or should have known, of change that materially affects provision of coverage of any person providing services on the Work; and
 - 11.2.20.7 contractually require each person with whom it contracts to perform as required by Paragraphs 11.2.10.1 through 11.2.10.7, with Certificates of Coverage to be provided to person for whom they are providing services.
- 11.2.21 By signing the Contract or providing or causing to be provided a Certificate of Coverage, Contractor is representing to the City that all employees of Contractor who will provide services on the Work will be covered by Workers' Compensation coverage for the duration of the Work, that coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with appropriate insurance carrier. Contractor is not allowed to self-insure Workers' Compensation. Contractor may be subject to administrative penalties, criminal penalties, civil penalties, or other civil actions for providing false or misleading information.
- 11.2.22 Contractor's failure to comply with Paragraph 11.2.10 is a breach of the Contract by Contractor, which entitles the City to declare the Contract void if Contractor does not remedy breach within 10 days after receipt of notice of breach from City Engineer.
- 11.2.23 *Subcontractor Insurance Requirements:* Contractor shall require Subcontractors and Suppliers to obtain Commercial General Liability, Workers' Compensation, Employer's Liability and Automobile Liability coverage that meets all the requirements of Paragraph

11.2. The amount must be commensurate with the amount of the subcontract, but not less than \$500,000 per occurrence. Contractor shall require all Subcontractors with whom it contracts directly, whose subcontracts exceed \$100,000, to provide proof of Commercial General Liability and Automobile Liability insurance coverage meeting the above requirements. Contractor shall comply with all requirements set out under Paragraph 11.2.10 as to Workers' Compensation Insurance for all Subcontractors and Suppliers.

| TABLE 1 REQUIRED COVERAGE | |
|--|--|
| Coverage | Limit of Liability |
| Workers' Compensation | <ul style="list-style-type: none"> • Texas Statutory Limits for Workers' Compensation |
| Employer's Liability | <ul style="list-style-type: none"> • Bodily Injury by Accident \$1,000,000 (each accident) • Bodily Injury by Disease \$1,000,000 (policy limit) • Bodily Injury by Disease \$1,000,000 (each employee) |
| Commercial General Liability: Including Broad Form Property Damage, Contractual Liability, Explosion, Underground and Collapse, Bodily Injury, Personal Injury, Products, and Completed Operations (for a period of one year following completion of the Work). | <ul style="list-style-type: none"> • \$1,000,000 Limit (each occurrence), subject to general aggregate Limit of \$2,000,000 • Products and Completed Operations \$2,000,000 aggregate Limit |
| Owner's and Contractor's Protective Liability | <ul style="list-style-type: none"> • \$1,000,000 each Occurrence/ aggregate |
| Installation Floater (Unless alternative coverage approved by City Attorney) | <ul style="list-style-type: none"> • Value of stored material or equipment, listed on Certificates of Payments, but not yet incorporated into the Work |
| Automobile Liability Insurance: (For automobiles furnished by Contractor in course of his performance under the Contract, including Owned, Non-owned, and Hired Auto coverage) | <ul style="list-style-type: none"> • \$1,000,000 combined single limit each occurrence for (1) Any Auto or (2) All Owned, Hired, and Non-Owned Autos |
| Excess Coverage | <ul style="list-style-type: none"> • \$1,000,000 each occurrence/ aggregate in excess of limits specified for Commercial General Liability, and Automobile Liability |
| Aggregate Limits are per 12-month policy period unless otherwise indicated. | |

11.3 **PROOF OF INSURANCE.**

11.3.1 Prior to commencing services and at time during the term of the Contract, Contractor shall furnish City Engineer with Certificates of Insurance, along with Affidavit from Contractor confirming that Certificate accurately reflects insurance coverage that is available during term of the Contract. If requested in writing by City Engineer, Contractor shall furnish City Engineer with certified copies of Contractor's actual insurance policies. Failure of Contractor to provide certified copies, as requested, may be deemed, at City Engineer's or City Attorney's discretion, a material breach of the Contract.

11.3.2 Notwithstanding the proof of insurance requirements, Contractor shall continuously maintain in effect required insurance coverage set forth in Paragraph 11.2. Failure of

Contractor to comply with this requirement does constitute a material breach by Contractor allowing the City, at its option, to immediately suspend or terminate work, or exercise any other remedy allowed under the Contract. Contractor agrees that the City has not waived or is not estopped to assert a material breach of the Contract because of any acts or omissions by the City regarding its review or non-review of insurance documents provided by Contractor, its agents, employees, or assigns.

- 11.3.3 Contractor shall provide updated certificates of insurance to the Director upon request. The Contractor shall be responsible for delivering a current certificate of insurance in the proper form to the Director as long as Contractor is required to furnish insurance coverage under Paragraph 11.2.
- 11.3.4 Every certificate of insurance Contractor delivers in connection with this Contract shall
- 11.3.4.1 be less than 12 months old;
 - 11.3.4.2 include all pertinent identification information for the Insurer, including the company name and address, policy number, NAIC number or AMB number, and authorized signature;
 - 11.3.4.3 include in the Certificate Holder Box the Project name and reference numbers, contractor's email address, and indicates the name and address of the Project Manager;
 - 11.3.4.4 include the Contractor's email address in the Certificate Holder Box;
 - 11.3.4.5 include the Project reference numbers on the City address so the Project reference number is visible in the envelope window; and
 - 11.3.4.6 be appropriately marked to accurately identify all coverages and limits of the policy, effective and expiration dates, and waivers of subrogation in favor of the City for Commercial General Liability, Automobile Liability, and Worker's Compensation/Employers' Liability.
- 11.4 **PERFORMANCE AND PAYMENT BONDS.** For Contracts over the value of \$25,000, Contractor shall provide Bonds on the City's standard forms covering faithful performance of the Contract and payment of obligations arising thereunder as required in the Contract pursuant to Chapter 2253 of the Government Code. The Bonds must be for 100 percent of Original Contract Price and in accordance with conditions stated on standard City Performance and Payment Bond and Statutory Payment Bond forms. Bonds may be obtained from Contractor's usual source and cost for the Bonds are included in Contract Price.
- 11.5 **MAINTENANCE BONDS – One-year Maintenance Bond.** Contractor shall provide Bond on standard City One-year Maintenance Bond form, providing for Contractor's correction, replacement, or restoration of any portion of the Work which is found to be not in compliance with requirements of the Contract during one-year correction period required in Paragraph 12.2. The Maintenance Bond must be for 100 percent of the Original Contract Price.
- 11.6 **SURETY.**
- 11.6.1 A Bond that is given or tendered to the City pursuant to the Contract must be executed by a surety company that is authorized and admitted to write surety Bonds in the State of Texas.
 - 11.6.2 If a Bond is given or tendered to the City pursuant to the Contract in an amount greater than 10 percent of Surety's capital and surplus, Surety shall provide certification that Surety has reinsured that portion of the risk that exceeds 10 percent of Surety's capital and surplus. The reinsurance must be with one or more reinsurers who are duly authorized, accredited, or trusted to do business in the State of Texas. The amount reinsured by reinsurer may not exceed 10 percent of reinsurer's capital and surplus. The amount of allowed capital and surplus must be based on information received from State Board of Insurance.

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- 11.6.3 If the amount of a Bond is greater than \$100,000, Surety shall:
- 11.6.3.1 also hold certificate of authority from the United States Secretary of Treasury to qualify as surety on obligations permitted or required under federal law; or,
 - 11.6.3.2 Surety may obtain reinsurance for any liability in excess of \$100,000 from reinsurer that is authorized and admitted as a reinsurer in the State of Texas and is the holder of a certificate of authority from the United States Secretary of the Treasury to qualify as surety or reinsurer on obligations permitted or required under federal law.
- 11.6.4 Determination of whether Surety on the Bond or the reinsurer holds a certificate of authority from the United States Secretary of the Treasury is based on information published in Federal Register covering the date on which Bond was executed.
- 11.6.5 Each Bond given or tendered to the City pursuant to the Contract must be on City forms with no changes made by Contractor or Surety, and must be dated, executed, and accompanied by power of attorney stating that the attorney in fact executing such the bond has requisite authority to execute such Bond. The Bonds must be dated and must be no more than 30 days old.
- 11.6.6 Surety shall designate in its Bond, power of attorney, or written notice to the City, an agent resident in Harris County to whom any requisite notices may be delivered and on whom service of process may be had in matters arising out of the suretyship.
- 11.6.7 Contractor shall furnish information to a payment bond beneficiary as required by TEX. GOV'T CODE ANN. CH. 2253.
- 11.7 **DELIVERY OF BONDS.** Contractor shall deliver required Bonds to the City within time limits stated in Notice of Intent to Award and prior to Date of Commencement of the Work.

ARTICLE 12

UNCOVERING AND CORRECTION OF THE WORK

- 12.1 **UNCOVERING OF THE WORK.** If a portion of the Work has been covered which City Engineer has not specifically requested to observe prior to its being covered, City Engineer may request to see such work and it must be uncovered by Contractor. If such work is in accordance with the Contract, the costs of uncovering and covering such work are charged to the City by Change Order. If such work is not in accordance with the Contract, Contractor shall pay for uncovering and shall correct the nonconforming Work promptly after receipt of Notice of Noncompliance to do so.
- 12.2 **CORRECTION OF THE WORK.**
- 12.2.1 Contractor shall promptly correct or remove work rejected by City Engineer or work failing to conform to requirements of the Contract, whether observed before or after Date of Substantial Completion and whether fabricated, Installed, or completed.
 - 12.2.2 Contractor bears costs of correcting the rejected or nonconforming work including additional testing and inspections, and compensation for Design Consultant's services and expenses made necessary thereby.
 - 12.2.3 If within one year after Date of Substantial Completion, or after date for commencement of warranties established under Paragraph 9.9.5 or by other applicable special warranty required by the Contract, whichever is later in time, any of the Work is found not to be in accordance with the requirements of the Contract, Contractor shall correct such work promptly after receipt of Notice of Noncompliance to do so.

- 12.2.4 One-year correction period for portions of the Work completed after Date of Substantial Completion will begin on the date of acceptance of that portion of the Work. This obligation under this Paragraph survives acceptance of the Work under the Contract and termination of the Contract.
- 12.2.5 The one-year correction period does not establish a duration for the Contractor's general warranty under Paragraph 3.12. The City retains the right to recover damages from the Contractor as long as may be permitted by the applicable statute of limitations.
- 12.2.6 If Contractor does not proceed with correction of the nonconforming work within time fixed by Notice of Noncompliance, the City may correct nonconforming work or remove nonconforming work and store salvageable Products at Contractor's expense. Contractor shall pay the costs of correction of nonconforming work and removal and storage of salvageable Products to the City. If Contractor does not pay costs of the correction or removal and storage within 10 days after written notice, the City may sell the Products at auction or at private sale. The City will account for proceeds thereof after deducting costs and damages that would have been borne by Contractor, including compensation for services of Design Consultant and necessary expenses. If the proceeds of sale do not cover costs which Contractor should have borne, Contractor shall pay the value of the deficiency to the City.
- 12.2.7 Contractor bears cost of correcting work originally installed by Contractor, the City, or by separate contractors and damaged by Contractor's correction or removal of Contractor's work.
- 12.3 **ACCEPTANCE OF NONCONFORMING WORK.** If City Engineer prefers to accept work which is not in accordance with requirements of the Contract, City Engineer may do so only by issuance of Change Order, instead of requiring its removal and correction. City Engineer will determine Contract Price reduction. The reduction will become effective even if final payment has been made.

ARTICLE 13

MISCELLANEOUS PROVISIONS

- 13.1 **GOVERNING LAW AND VENUE.** This Contract shall be construed and interpreted in accordance with the applicable laws of the State of Texas and City of Houston. Venue for any disputes relating in any way to this Contract shall lie exclusively in Harris County, Texas.
- 13.2 **SUCCESSORS.** The Contract binds and benefits the Parties and their legal successors and permitted assigns; however, this Paragraph 13.2.1 does not alter the restrictions on assignment and disposal of assets set out in Paragraph 13.3.1. The Contract does not create any personal liability on the part of any officer or agent of the City.
- 13.3 **BUSINESS STRUCTURE AND ASSIGNMENTS.**
- 13.3.1 Contractor may not assign the Contract at law or otherwise, or dispose of all or substantially all of its assets without City Engineer's prior written consent. Nothing in this Section, however, prevents the assignment of accounts receivable or the creation of a security interest as described in §9.406 of the Texas Business & Commerce Code. In the case of such an assignment, Contractor shall immediately furnish the City with proof of the assignment and the name, telephone number, and address of the assignee and a clear identification of the fees to be paid to the assignee.

13.3.2 Any series, as defined by the TEX. BUS. ORG. CODE ANN., affiliate, subsidiary, or successor to which Contractor assigns or transfers assets shall join in privity and be jointly and severally liable under this Contract.

13.4 **WRITTEN NOTICE.**

13.4.1 All notices required or permitted by the Contract must be in writing and must be effected by hand delivery; registered or certified mail, return receipt requested; or facsimile with confirmation copy mailed to receiving Party. Notice is sufficient if made or addressed with proper postage to the address stated in the Agreement for each Party ("Notice Address") or faxed to the facsimile number stated in the Agreement for each Party. The notice is deemed delivered on the earlier of:

13.4.1.1 the date the Notice is actually received;

13.4.1.2 the third day following deposit in a United States Postal Service post office or receptacle; or

13.4.1.3 the date the facsimile is sent unless the facsimile is sent after 5:00 p.m. local time of the recipient and then it is deemed received on the following day.

Any Party may change its Notice Address or facsimile number at any time by giving written notice of the change to the other Party in the manner provided for in this Paragraph at least 15 days prior to the date the change is affected.

13.5 **RIGHTS AND REMEDIES.**

13.5.1 Duties and obligations imposed by the Contract and rights and remedies available thereunder are in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

13.5.2 No act or failure to act by the City or Contractor is a waiver of rights or duties afforded them under the Contract, nor is the act or failure to act constitute approval of or acquiescence in a breach of the Contract. No waiver, approval or acquiescence is binding unless in writing and, in the case of the City, signed by City Engineer.

13.6 **TESTS AND INSPECTIONS.**

13.6.1 Contractor shall give City Engineer, Construction Manager, and Design Consultant timely notice of the time and place where tests and inspections are to be made. Contractor shall cooperate with inspection and testing personnel to facilitate required inspections or tests.

13.6.2 The City will employ and pay for services of an independent testing laboratory to perform inspections or acceptance tests required by the Contract except:

13.6.2.1 inspections or tests covered by Paragraph 13.6.3;

13.6.2.2 those otherwise specifically provided in the Contract; or

13.6.2.3 costs incurred in connection with tests or inspections conducted pursuant to Paragraph 12.2.2.

13.6.3 Contractor is responsible for and shall pay all costs in connection with inspection or testing required in connection with City Engineer's acceptance of a Product to be incorporated into the Work, or of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation into the Work.

13.6.4 Neither observations by the City, Construction Manager, or Design Consultant, nor inspections, tests, or approvals by others, relieves Contractor from Contractor's obligations to perform the Work in accordance with the Contract.

13.7 **INTEREST.** No interest will accrue on late payments by the City except as provided under Chapter 2251 of the Government Code.

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- 13.8 **PARTIES IN INTEREST.** The Contract does not bestow any rights upon any third party, but binds and benefits the Parties only.
- 13.9 **ENTIRE CONTRACT.** The Contract merges the prior negotiations and understandings of the Parties and embodies the entire agreement of the Parties. No other agreements, assurances, conditions, covenants, express or implied, or other terms of any kind, exist between the Parties regarding the Contract.
- 13.10 **WRITTEN AMENDMENT.** Changes to the Contract that cannot be effected by Modifications, must be made by written amendment, which will not be effective until approved by City Council.
- 13.11 **COMPLIANCE WITH LAWS.**
- 13.11.1 Contractor shall comply with the Americans with Disabilities Act of 1990 as amended (ADA) and Texas Architectural Barriers Act and all regulations relating to either statute.
- 13.11.2 Contractor shall comply with all applicable federal, state, and city laws, rules and regulations.
- 13.12 **SEVERABILITY.** If any part of the Contract is for any reason found to be unenforceable, all other parts remain enforceable to the extent permitted by law.
- 13.13 **COMPLIANCE WITH CERTAIN STATE LAW REQUIREMENTS.**
- 13.13.1 **Anti-Boycott of Israel.** Contractor certifies that Contractor is not currently engaged in, and agrees for the duration of this Agreement not to engage in, the boycott of Israel as defined by Section 808.001 of the Texas Government Code.
- 13.13.2 **Anti-Boycott of Energy Companies.** Contractor certifies that Contractor is not currently engaged in, and agrees for the duration of this Agreement not to engage in, the boycott of energy companies as defined by Section 809.001 of the Texas Government Code.
- 13.13.3 **Anti-Boycott of Firearm Entities or Firearm Trade Associations.** Contractor certifies that Contractor does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association, or will not discriminate against a firearm entity or firearm trade association for the duration of this Agreement, as defined by Section 2274.001 of the Texas Government Code.
- 13.13.4 **Certification of No Business with Foreign Terrorist Organizations.** For purposes of Section 2252.152 of the Code, Contractor certifies that, at the time of this Agreement neither Contractor nor any wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of Contractor, is a company listed by the Texas Comptroller of Public Accounts under Sections 2252.153 or 2270.0201 of the Code as a company known to have contracts with or provide supplies or to a foreign terrorist organization.
- 13.14 **ZERO TOLERANCE POLICY FOR HUMAN TRAFFICKING & RELATED ACTIVITIES.** The requirements and terms of the City of Houston's Zero Tolerance Policy for Human Trafficking and Related Activities, as set forth in Executive Order 1-56, as revised from time to time, are incorporated into this Agreement for all purposes. Contractor has reviewed Executive Order 1-56, as revised, and shall comply with its terms and conditions as they are set out at the time of this Agreement's effective date. Contractor shall notify the City's Chief Procurement Officer, City Attorney, and the Director of any information regarding possible violation by the Contractor or its subcontractors providing services or goods under this Agreement.

ARTICLE 14

TERMINATION OR SUSPENSION OF THE CONTRACT

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- 14.1 **TERMINATION BY THE CITY FOR CAUSE.**
- 14.1.1 Each of the following acts or omissions of Contractor or occurrences shall constitute an "Event of Default" under the Contract:
- 14.1.1.1 Contractor refuses or fails to supply enough properly skilled workers or proper Products;
 - 14.1.1.2 Contractor disregards laws, ordinances, rules, regulations, or orders of a public authority having jurisdiction;
 - 14.1.1.3 Contractor is guilty of material breach of any duty or obligation of Contractor under the Contract, including, but not limited to, failure to submit certified payrolls electronically;
 - 14.1.1.4 Contractor has had any other contract with the City terminated for cause at any time subsequent to the effective date of the Contract as set out in the Agreement; or
 - 14.1.1.5 Contractor fails to utilize Ultra Low Sulfur Diesel Fuel, as required in Paragraph 3.9.1.1.
- 14.1.2 If an Event of Default occurs, City Engineer may, at his option and without prejudice to any other rights or remedies which the City may have, deliver a written notice to Contractor and Surety describing the Event of Default and giving the Contractor 10 days to cure the Event of Default. If after the cure period, Contractor has failed or refused to cure the Event of Default, then City Engineer may deliver a second written notice to Contractor giving notice of the termination of the Contract or of the termination of Contractor's performance under the Contract ("Notice of Termination"). If City Engineer issues a Notice of Termination, then City Engineer may, subject to any prior rights of Surety and any other rights of the City under the Contract or at law:
- 14.1.2.1 request that Surety complete the Work; or
 - 14.1.2.2 take possession of the site and all materials, equipment, tools, and construction equipment and machinery on the site owned by Contractor; and
 - 14.1.2.3 finish the Work by whatever reasonable method City Engineer may deem expedient.
- 14.1.3 After Contractor's receipt of a Notice of Termination, and except as otherwise directed in writing by City Engineer, Contractor shall:
- 14.1.3.1 stop the Work on the date and to the extent specified in the Notice of Termination;
 - 14.1.3.2 place no further orders or subcontracts for Products or services;
 - 14.1.3.3 terminate all orders and subcontracts to the extent that they relate to performance of work terminated;
 - 14.1.3.4 assign to the City, in the manner, at the times, and to the extent directed by City Engineer, all rights, title, and interest of Contractor, under the terminated supply orders and subcontracts. The City may settle or pay claims arising out of termination of the orders and subcontracts;
 - 14.1.3.5 settle all outstanding liabilities and all claims arising out of the termination of supply orders and subcontracts with approval of City Engineer;
 - 14.1.3.6 take action as may be necessary, or as City Engineer may direct, for protection and preservation of property related to the Work that is in possession of Contractor, and in which the City has or may acquire an interest; and
 - 14.1.3.7 secure the Work in a safe state before leaving the site, providing any necessary safety measures, shoring, or other devices.
- 14.1.4 If the City terminates the Contract or terminates Contractor's performance under the Contract for any one or more of the reasons stated in Paragraph 14.1.1, Contractor may not receive any further payment until the Work is complete, subject to Paragraph 14.1.5.

14.1.5 If the unpaid balance of Contract Price exceeds the costs of finishing the Work, including liquidated damages and other amounts due under the Contract, the balance will be paid to Contractor. If the costs of finishing the Work exceed the unpaid balance, Contractor shall, within 10 days of receipt of written notice setting out the amount of the excess costs, pay the difference to the City. The amount to be paid to Contractor or the City will be certified by City Engineer in writing, and this obligation for payment shall survive termination of the Contract or termination of Contractor's performance under the Contract. Termination of the Contractor for cause shall not relieve the Surety from its obligation to complete the project.

14.2 ***TERMINATION BY THE CITY FOR CONVENIENCE.***

14.2.1 City Engineer may, without cause and without prejudice to other rights or remedies of the City, give Contractor and Surety a Notice of Termination with a seven days written notice.

14.2.2 After receipt of the Notice of Termination, and except as otherwise approved by City Engineer, Contractor shall conform to requirements of Paragraph 14.1.3.

14.2.3 After receipt of the Notice of Termination, Contractor shall submit and substantiate to the City its termination Claim, in forms required by City Engineer. The Claim will be submitted and substantiated to the City promptly, but no later than six months from the effective date of termination, unless one or more extensions are granted by City Engineer in writing. If Contractor fails to submit its termination Claim within the time allowed, in accordance with Paragraph 14.2.4, City Engineer will determine, on the basis of available information, the amount, if any, due to Contractor because of termination, and City Engineer's determination is final and binding on the Parties. The City will then pay to Contractor the amount so determined.

14.2.4 City Engineer will determine, on the basis of information available to City Engineer, the amount due, if any, to Contractor for the termination as follows:

14.2.4.1 Contract Price for all work performed in accordance with the Contract up to the date of termination determined in the manner prescribed for monthly payments in Article 9, except no retainage is withheld by the City either for payment determined by percentage of completion or for materials and equipment delivered to the site, in storage or in transit.

14.2.4.2 Reasonable termination expenses, including costs for settling and paying Subcontractor and Supplier claims arising out of termination of the Work, reasonable cost of preservation and protection of the City's property after termination, if required, and the cost of Claim preparation. Termination expenses do not include field or central office overhead, salaries of employees of Contractor, or litigation costs, including attorneys' fees.

No amount is allowed for anticipated profit or central office overhead on uncompleted work, or any cost or lost profit for other business of Contractor alleged to be damaged by the termination.

14.2.5 Contractor shall promptly remove from the site any construction equipment, tools, and temporary facilities, except the temporary facilities which City Engineer may wish to purchase and retain.

14.2.6 Contractor shall cooperate with City Engineer during the transition period.

14.2.7 The City will take possession of the Work and materials delivered to the site, in storage, or in transit, as of date or dates specified in the Notice of Termination, and is responsible for maintenance, utilities, security, and insurance, as stated in Notice of Termination.

14.3 ***SUSPENSION BY THE CITY FOR CONVENIENCE.***

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- 14.3.1 City Engineer may, without cause, after giving Contractor and Surety 24-hour prior written notice, order Contractor to suspend, delay, or interrupt the Work in whole or in part for a period of time as City Engineer may determine.
- 14.3.2 An adjustment will be made in Contract Time equivalent to the time of suspension.
- 14.3.3 Adjustment will be made to Contract Price for increases in the cost of performance of the Work, including profit on increased cost of performance caused by suspension, delay, or interruption of the Work in accordance with Paragraph 7.3. No adjustment will be made to the extent that:
- 14.3.3.1 performance was, or would have been, suspended, delayed, or interrupted by another cause for which Contractor is responsible; or
 - 14.3.3.2 adjustment is made or denied under another provision of the Contract.
- 14.4 **TERMINATION BY CONTRACTOR.**
- 14.4.1 Contractor may terminate the Contract if the Work is stopped for a period of 30 days through no act or fault of Contractor, directly related to one of these events:
- 14.4.1.1 issuance of an order of a court or other public authority having jurisdiction;
 - 14.4.1.2 act of government, such as a declaration of national emergency which makes material unavailable; or
 - 14.4.1.3 if repeated suspensions, delays, or interruptions by the City as described in Paragraph 14.3 constitute, in the aggregate, more than 100 percent of the total number of days scheduled for completion, or 120 days in any 365-day period, whichever is less;
- No termination will be effective for the above reasons if Contractor delivers written notice to City Engineer describing the reason for termination, giving the proposed termination date, and granting the City a reasonable opportunity to respond and cure any City default before termination is effective.
- 14.4.2 If the Contract is terminated pursuant to this Paragraph 14.4, Contractor shall comply with the requirements of Paragraphs 14.2.2 through 14.2.7.

[END OF DOCUMENT]

Section 10

Definition of Terms

When the following terms are used in these specifications, in the contract, or in any documents or other instruments pertaining to construction where these specifications govern, the intent and meaning shall be defined as follows:

| Paragraph Number | Term | Definition |
|-------------------------|--|---|
| 10-01 | AASHTO | The American Association of State Highway and Transportation Officials. |
| 10-02 | Access Road | The right-of-way, the roadway and all improvements constructed thereon connecting the airport to a public roadway. |
| 10-03 | Advertisement | A public announcement, as required by local law, inviting bids for work to be performed and materials to be furnished. |
| 10-04 | Airport | Airport means an area of land or water which is used or intended to be used for the landing and takeoff of aircraft; an appurtenant area used or intended to be used for airport buildings or other airport facilities or rights of way; airport buildings and facilities located in any of these areas, and a heliport. |
| 10-05 | Airport Improvement Program (AIP) | A grant-in-aid program, administered by the Federal Aviation Administration (FAA). |
| 10-06 | Air Operations Area (AOA) | The term air operations area (AOA) shall mean any area of the airport used or intended to be used for the landing, takeoff, or surface maneuvering of aircraft. An air operation area shall include such paved or unpaved areas that are used or intended to be used for the unobstructed movement of aircraft in addition to its associated runway, taxiway, or apron. |
| 10-07 | Apron | Area where aircraft are parked, unloaded or loaded, fueled and/or serviced. |
| 10-08 | ASTM International (ASTM) | Formerly known as the American Society for Testing and Materials (ASTM). |
| 10-09 | Award | The Owner's notice to the successful bidder of the acceptance of the submitted bid. |
| 10-10 | Bidder | Any individual, partnership, firm, or corporation, acting directly or through a duly authorized representative, who submits a proposal for the work contemplated. |
| 10-11 | Building Area | An area on the airport to be used, considered, or intended to be used for airport buildings or other airport facilities or rights-of-way together with all airport buildings and facilities located thereon. |
| 10-12 | Calendar Day | Every day shown on the calendar. |
| 10-13 | Certificate of Analysis (COA) | The COA is the manufacturer's Certificate of Compliance (COC) including all applicable test results required by the specifications. |
| | | |

| Paragraph Number | Term | Definition |
|------------------|--|---|
| 10-14 | Certificate of Compliance (COC) | The manufacturer's certification stating that materials or assemblies furnished fully comply with the requirements of the contract. The certificate shall be signed by the manufacturer's authorized representative. |
| 10-15 | Change Order | A written order to the Contractor covering changes in the plans, specifications, or proposal quantities and establishing the basis of payment and contract time adjustment, if any, for work within the scope of the contract and necessary to complete the project. |
| 10-16 | Contract | A written agreement between the Owner and the Contractor that establishes the obligations of the parties including but not limited to performance of work, furnishing of labor, equipment and materials and the basis of payment. The awarded contract includes but may not be limited to: Advertisement, Contract form, Proposal, Performance bond, payment bond, General provisions, certifications and representations, Technical Specifications, Plans, Supplemental Provisions, standards incorporated by reference and issued addenda. |
| 10-17 | Contract Item (Pay Item) | A specific unit of work for which a price is provided in the contract. |
| 10-18 | Contract Time | The number of calendar days or working days, stated in the proposal, allowed for completion of the contract, including authorized time extensions. If a calendar date of completion is stated in the proposal, in lieu of a number of calendar or working days, the contract shall be completed by that date. |
| 10-19 | Contractor | The individual, partnership, firm, or corporation primarily liable for the acceptable performance of the work contracted and for the payment of all legal debts pertaining to the work who acts directly or through lawful agents or employees to complete the contract work. |
| 10-20 | Contractors Quality Control (QC) Facilities | The Contractor's QC facilities in accordance with the Contractor Quality Control Program (CQCP). |
| 10-21 | Contractor Quality Control Program (CQCP) | Details the methods and procedures that will be taken to assure that all materials and completed construction required by the contract conform to contract plans, technical specifications and other requirements, whether manufactured by the Contractor, or procured from subcontractors or vendors. |
| 10-22 | Control Strip | A demonstration by the Contractor that the materials, equipment, and construction processes results in a product meeting the requirements of the specification. |
| 10-23 | Construction Safety and Phasing Plan (CSPP) | The overall plan for safety and phasing of a construction project developed by the airport operator, or developed by the airport operator's consultant and approved by the airport operator. It is included in the invitation for bids and becomes part of the project specifications. |
| | | |

| Paragraph Number | Term | Definition |
|------------------|-------------------------------|---|
| 10-24 | Drainage System | The system of pipes, ditches, and structures by which surface or subsurface waters are collected and conducted from the airport area. |
| 10-25 | Engineer | The individual, partnership, firm, or corporation duly authorized by the Owner to be responsible for engineering, inspection, and/or observation of the contract work and acting directly or through an authorized representative. |
| 10-26 | Equipment | All machinery, together with the necessary supplies for upkeep and maintenance; and all tools and apparatus necessary for the proper construction and acceptable completion of the work. |
| 10-27 | Extra Work | An item of work not provided for in the awarded contract as previously modified by change order or supplemental agreement, but which is found by the Owner's Engineer or Resident Project Representative (RPR) to be necessary to complete the work within the intended scope of the contract as previously modified. |
| 10-28 | FAA | The Federal Aviation Administration. When used to designate a person, FAA shall mean the Administrator or their duly authorized representative. |
| 10-29 | Federal Specifications | The federal specifications and standards, commercial item descriptions, and supplements, amendments, and indices prepared and issued by the General Services Administration. |
| 10-30 | Force Account | <p>a. Contract Force Account - A method of payment that addresses extra work performed by the Contractor on a time and material basis.</p> <p>b. Owner Force Account - Work performed for the project by the Owner's employees.</p> |
| 10-31 | Intention of Terms | <p>Whenever, in these specifications or on the plans, the words "directed," "required," "permitted," "ordered," "designated," "prescribed," or words of like import are used, it shall be understood that the direction, requirement, permission, order, designation, or prescription of the Engineer and/or Resident Project Representative (RPR) is intended; and similarly, the words "approved," "acceptable," "satisfactory," or words of like import, shall mean approved by, or acceptable to, or satisfactory to the Engineer and/or RPR, subject in each case to the final determination of the Owner.</p> <p>Any reference to a specific requirement of a numbered paragraph of the contract specifications or a cited standard shall be interpreted to include all general requirements of the entire section, specification item, or cited standard that may be pertinent to such specific reference.</p> |
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| Paragraph Number | Term | Definition |
|------------------|--|--|
| 10-32 | Lighting | A system of fixtures providing or controlling the light sources used on or near the airport or within the airport buildings. The field lighting includes all luminous signals, markers, floodlights, and illuminating devices used on or near the airport or to aid in the operation of aircraft landing at, taking off from, or taxiing on the airport surface. |
| 10-33 | Major and Minor Contract Items | A major contract item shall be any item that is listed in the proposal, the total cost of which is equal to or greater than 20% of the total amount of the award contract. All other items shall be considered minor contract items. |
| 10-34 | Materials | Any substance specified for use in the construction of the contract work. |
| 10-35 | Modification of Standards (MOS) | Any deviation from standard specifications applicable to material and construction methods in accordance with FAA Order 5300.1. |
| 10-36 | Notice to Proceed (NTP) | A written notice to the Contractor to begin the actual contract work on a previously agreed to date. If applicable, the Notice to Proceed shall state the date on which the contract time begins. |
| 10-37 | Owner | The term "Owner" shall mean the party of the first part or the contracting agency signatory to the contract. Where the term "Owner" is capitalized in this document, it shall mean airport Sponsor only. The Owner for this project is Houston Airport System . |
| 10-38 | Passenger Facility Charge (PFC) | Per 14 Code of Federal Regulations (CFR) Part 158 and 49 United States Code (USC) § 40117, a PFC is a charge imposed by a public agency on passengers enplaned at a commercial service airport it controls. |
| 10-39 | Pavement Structure | The combined surface course, base course(s), and subbase course(s), if any, considered as a single unit. |
| 10-40 | Payment bond | The approved form of security furnished by the Contractor and their own surety as a guaranty that the Contractor will pay in full all bills and accounts for materials and labor used in the construction of the work. |
| 10-41 | Performance bond | The approved form of security furnished by the Contractor and their own surety as a guaranty that the Contractor will complete the work in accordance with the terms of the contract. |
| 10-42 | Plans | The official drawings or exact reproductions which show the location, character, dimensions and details of the airport and the work to be done and which are to be considered as a part of the contract, supplementary to the specifications. Plans may also be referred to as 'contract drawings.' |
| 10-43 | Project | The agreed scope of work for accomplishing specific airport development with respect to a particular airport. |
| 10-44 | Proposal | The written offer of the bidder (when submitted on the |

| Paragraph Number | Term | Definition |
|------------------|---|---|
| | | approved proposal form) to perform the contemplated work and furnish the necessary materials in accordance with the provisions of the plans and specifications. |
| 10-45 | Proposal guaranty | The security furnished with a proposal to guarantee that the bidder will enter into a contract if their own proposal is accepted by the Owner. |
| 10-46 | Quality Assurance (QA) | Owner's responsibility to assure that construction work completed complies with specifications for payment. |
| 10-47 | Quality Control (QC) | Contractor's responsibility to control material(s) and construction processes to complete construction in accordance with project specifications. |
| 10-48 | Quality Assurance (QA) Inspector | An authorized representative of the Engineer and/or Resident Project Representative (RPR) assigned to make all necessary inspections, observations, tests, and/or observation of tests of the work performed or being performed, or of the materials furnished or being furnished by the Contractor. |
| 10-49 | Quality Assurance (QA) Laboratory | The official quality assurance testing laboratories of the Owner or such other laboratories as may be designated by the Engineer or RPR. May also be referred to as Engineer's, Owner's, or QA Laboratory. |
| 10-50 | Resident Project Representative (RPR) | The individual, partnership, firm, or corporation duly authorized by the Owner to be responsible for all necessary inspections, observations, tests, and/or observations of tests of the contract work performed or being performed, or of the materials furnished or being furnished by the Contractor, and acting directly or through an authorized representative. |
| 10-51 | Runway | The area on the airport prepared for the landing and takeoff of aircraft. |
| 10-52 | Runway Safety Area (RSA) | A defined surface surrounding the runway prepared or suitable for reducing the risk of damage to aircraft. See the construction safety and phasing plan (CSPP) for limits of the RSA. |
| 10-53 | Safety Plan Compliance Document (SPCD) | Details how the Contractor will comply with the CSPP. |
| 10-54 | Specifications | A part of the contract containing the written directions and requirements for completing the contract work. Standards for specifying materials or testing which are cited in the contract specifications by reference shall have the same force and effect as if included in the contract physically. |
| 10-55 | Sponsor | A Sponsor is defined in 49 USC § 47102(24) as a public agency that submits to the FAA for an AIP grant; or a private Owner of a public-use airport that submits to the FAA an application for an AIP grant for the airport. |
| 10-56 | Structures | Airport facilities such as bridges; culverts; catch basins, inlets, retaining walls, cribbing; storm and sanitary sewer lines; water lines; underdrains; electrical ducts, manholes, |

| Paragraph Number | Term | Definition |
|------------------|---|--|
| | | handholes, lighting fixtures and bases; transformers; navigational aids; buildings; vaults; and, other manmade features of the airport that may be encountered in the work and not otherwise classified herein. |
| 10-57 | Subgrade | The soil that forms the pavement foundation. |
| 10-58 | Superintendent | The Contractor's executive representative who is present on the work during progress, authorized to receive and fulfill instructions from the RPR, and who shall supervise and direct the construction. |
| 10-59 | Supplemental Agreement | A written agreement between the Contractor and the Owner that establishes the basis of payment and contract time adjustment, if any, for the work affected by the supplemental agreement. A supplemental agreement is required if: (1) in scope work would increase or decrease the total amount of the awarded contract by more than 25%; (2) in scope work would increase or decrease the total of any major contract item by more than 25%; (3) work that is not within the scope of the originally awarded contract; or (4) adding or deleting of a major contract item. |
| 10-60 | Surety | The corporation, partnership, or individual, other than the Contractor, executing payment or performance bonds that are furnished to the Owner by the Contractor. |
| 10-61 | Taxilane | A taxiway designed for low speed movement of aircraft between aircraft parking areas and terminal areas. |
| 10-62 | Taxiway | The portion of the air operations area of an airport that has been designated by competent airport authority for movement of aircraft to and from the airport's runways, aircraft parking areas, and terminal areas. |
| 10-63 | Taxiway/Taxilane Safety Area (TSA) | A defined surface alongside the taxiway prepared or suitable for reducing the risk of damage to an aircraft. See the construction safety and phasing plan (CSPP) for limits of the TSA. |
| 10-64 | Work | The furnishing of all labor, materials, tools, equipment, and incidentals necessary or convenient to the Contractor's performance of all duties and obligations imposed by the contract, plans, and specifications. |
| 10-65 | Working day | A working day shall be any day other than a legal holiday, Saturday, or Sunday on which the normal working forces of the Contractor may proceed with regular work for at least six (6) hours toward completion of the contract. When work is suspended for causes beyond the Contractor's control, it will not be counted as a working day. Saturdays, Sundays and holidays on which the Contractor's forces engage in regular work will be considered as working days. |
| 10-66 | Owner Defined terms | [None] |

| Paragraph Number | Term | Definition |
|------------------|------|--|
| | | <p>The Engineer may add and define additional terms, if necessary.</p> <p>On projects that utilize a Construction Manager (CM), a Construction Manager at Risk (CMAR), or a Construction Manager/General Contractor (CMGC), add a definition of their roles on the project. The CM generally acts as an agent of the owner and is not legally or financially responsible for completion of the work; a CMAR and CMGC are legally and financially obligated to complete the work.</p> |

Section 20

Proposal Requirements and Conditions

20-01 Advertisement (Notice to Bidders). *The Advertisement is included in Section 00210.*

20-02 Qualification of bidders. Each bidder shall submit evidence of competency and evidence of financial responsibility to perform the work to the Owner at the time of bid opening. Evidence of competency, unless otherwise specified, shall consist of statements covering the bidder's past experience on similar work, and a list of equipment and a list of key personnel that would be available for the work.

Each bidder shall furnish the Owner satisfactory evidence of their financial responsibility. Evidence of financial responsibility, unless otherwise specified, shall consist of a confidential statement or report of the bidder's financial resources and liabilities as of the last calendar year or the bidder's last fiscal year. Such statements or reports shall be certified by a public accountant. At the time of submitting such financial statements or reports, the bidder shall further certify whether their financial responsibility is approximately the same as stated or reported by the public accountant. If the bidder's financial responsibility has changed, the bidder shall qualify the public accountant's statement or report to reflect the bidder's true financial condition at the time such qualified statement or report is submitted to the Owner.

Unless otherwise specified, a bidder may submit evidence that they are prequalified with the State Highway Division and are on the current "bidder's list" of the state in which the proposed work is located. Evidence of State Highway Division prequalification may be submitted as evidence of financial responsibility in lieu of the certified statements or reports specified above.

20-03 Contents of proposal forms. The Owner's proposal forms state the location and description of the proposed construction; the place, date, and time of opening of the proposals; and the estimated quantities of the various items of work to be performed and materials to be furnished for which unit bid prices are asked. The proposal form states the time in which the work must be completed, and the amount of the proposal guaranty that must accompany the proposal. The Owner will accept only those Proposals properly executed on physical forms or electronic forms provided by the Owner. Bidder actions that may cause the Owner to deem a proposal irregular are given in paragraph 20-09 *Irregular proposals*.

A prebid conference is required on this project to discuss as a minimum, the following items: material requirements; submittals; Quality Control/Quality Assurance requirements; the construction safety and phasing plan including airport access and staging areas; and unique airfield paving construction requirements. The time, date, and place of the meeting are identified in Section 00210 ADVERTISEMENT FOR BIDS.

20-04 Issuance of proposal forms. The Owner reserves the right to refuse to issue a proposal form to a prospective bidder if the bidder is in default for any of the following reasons:

- a. Failure to comply with any prequalification regulations of the Owner, if such regulations are cited, or otherwise included, in the proposal as a requirement for bidding.
- b. Failure to pay, or satisfactorily settle, all bills due for labor and materials on former contracts in force with the Owner at the time the Owner issues the proposal to a prospective bidder.
- c. Documented record of Contractor default under previous contracts with the Owner.
- d. Documented record of unsatisfactory work on previous contracts with the Owner.

20-05 Interpretation of estimated proposal quantities. An estimate of quantities of work to be done and materials to be furnished under these specifications is given in the proposal. It is the result of careful calculations and is believed to be correct. It is given only as a basis for comparison of proposals and the award of the contract. The Owner does not expressly, or by implication, agree that the actual quantities involved will correspond exactly therewith; nor shall the bidder plead misunderstanding or deception because of such estimates of quantities, or of the character, location, or other conditions pertaining to the work. Payment to the Contractor will be made only for the actual quantities of work performed or materials furnished in accordance with the plans and specifications. It is understood that the quantities may be increased or decreased as provided in the Section 40, paragraph 40-02, Alteration of Work and Quantities, without in any way invalidating the unit bid prices.

20-06 Examination of plans, specifications, and site. The bidder is expected to carefully examine the site of the proposed work, the proposal, plans, specifications, and contract forms. Bidders shall satisfy themselves to the character, quality, and quantities of work to be performed, materials to be furnished, and to the requirements of the proposed contract. The submission of a proposal shall be prima facie evidence that the bidder has made such examination and is satisfied to the conditions to be encountered in performing the work and the requirements of the proposed contract, plans, and specifications.

Boring logs and other records of subsurface investigations and tests are available for inspection of bidders. It is understood and agreed that such subsurface information, whether included in the plans, specifications, or otherwise made available to the bidder, was obtained and is intended for the Owner's design and estimating purposes only. Such information has been made available for the convenience of all bidders. It is further understood and agreed that each bidder is solely responsible for all assumptions, deductions, or conclusions which the bidder may make or obtain from their own examination of the boring logs and other records of subsurface investigations and tests that are furnished by the Owner.

20-07 Preparation of proposal. The bidder shall submit their proposal on the forms furnished by the Owner. All blank spaces in the proposal forms, unless explicitly stated otherwise, must be correctly filled in where indicated for each and every item for which a quantity is given. The

bidder shall state the price (written in ink or typed) both in words and numerals which they propose for each pay item furnished in the proposal. In case of conflict between words and numerals, the words, unless obviously incorrect, shall govern.

The bidder shall correctly sign the proposal in ink. If the proposal is made by an individual, their name and post office address must be shown. If made by a partnership, the name and post office address of each member of the partnership must be shown. If made by a corporation, the person signing the proposal shall give the name of the state where the corporation was chartered and the name, titles, and business address of the president, secretary, and the treasurer. Anyone signing a proposal as an agent shall file evidence of their authority to do so and that the signature is binding upon the firm or corporation.

20-08 Responsive and responsible bidder. A responsive bid conforms to all significant terms and conditions contained in the Owner's invitation for bid. It is the Owner's responsibility to decide if the exceptions taken by a bidder to the solicitation are material or not and the extent of deviation it is willing to accept.

A responsible bidder has the ability to perform successfully under the terms and conditions of a proposed procurement, as defined in 2 CFR § 200.318(h). This includes such matters as Contractor integrity, compliance with public policy, record of past performance, and financial and technical resources.

20-09 Irregular proposals. Proposals shall be considered irregular for the following reasons:

a. If the proposal is on a form other than that furnished by the Owner, or if the Owner's form is altered, or if any part of the proposal form is detached.

b. If there are unauthorized additions, conditional or alternate pay items, or irregularities of any kind that make the proposal incomplete, indefinite, or otherwise ambiguous.

c. If the proposal does not contain a unit price for each pay item listed in the proposal, except in the case of authorized alternate pay items, for which the bidder is not required to furnish a unit price.

d. If the proposal contains unit prices that are obviously unbalanced.

e. If the proposal is not accompanied by the proposal guaranty specified by the Owner.

f. If the applicable Disadvantaged Business Enterprise information is incomplete.

The Owner reserves the right to reject any irregular proposal and the right to waive technicalities if such waiver is in the best interest of the Owner and conforms to local laws and ordinances pertaining to the letting of construction contracts.

20-10 Bid guarantee. Each separate proposal shall be accompanied by a bid bond, certified check, or other specified acceptable collateral, in the amount specified in the proposal form. Such bond, check, or collateral shall be made payable to the Owner.

20-11 Delivery of proposal. Each proposal submitted shall be placed in a sealed envelope plainly marked with the project number, location of airport, and name and business address of the bidder on the outside. When sent by mail, preferably registered, the sealed proposal, marked as indicated above, should be enclosed in an additional envelope. No proposal will be considered unless received at the place specified in the advertisement or as modified by Addendum before the time specified for opening all bids. Proposals received after the bid

opening time shall be returned to the bidder unopened.

20-12 Withdrawal or revision of proposals. A bidder may withdraw or revise (by withdrawal of one proposal and submission of another) a proposal provided that the bidder's request for withdrawal is received by the Owner in writing before the time specified for opening bids. Revised proposals must be received at the place specified in the advertisement before the time specified for opening all bids.

20-13 Public opening of proposals. Proposals shall be opened, and read, publicly at the time and place specified in the advertisement. Bidders, their authorized agents, and other interested persons are invited to attend. Proposals that have been withdrawn (by written or telegraphic request) or received after the time specified for opening bids shall be returned to the bidder unopened.

20-14 Disqualification of bidders. A bidder shall be considered disqualified for any of the following reasons:

a. Submitting more than one proposal from the same partnership, firm, or corporation under the same or different name.

b. Evidence of collusion among bidders. Bidders participating in such collusion shall be disqualified as bidders for any future work of the Owner until any such participating bidder has been reinstated by the Owner as a qualified bidder.

c. If the bidder is considered to be in "default" for any reason specified in paragraph 20-04, *Issuance of Proposal Forms*, of this section.

20-15 Discrepancies and Omissions. A Bidder who discovers discrepancies or omissions with the project bid documents shall immediately notify the Owner's Engineer of the matter. A bidder that has doubt as to the true meaning of a project requirement may submit to the Owner's Engineer a written request for interpretation no later than 7 days prior to bid opening. Any interpretation of the project bid documents by the Owner's Engineer will be by written addendum issued by the Owner. The Owner will not consider any instructions, clarifications or interpretations of the bidding documents in any manner other than written addendum.

END OF SECTION 20

Section 30

Award and Execution of Contract

30-01 Consideration of proposals. After the proposals are publicly opened and read, they will be compared on the basis of the summation of the products obtained by multiplying the estimated quantities shown in the proposal by the unit bid prices. If a bidder's proposal contains a discrepancy between unit bid prices written in words and unit bid prices written in numbers, the unit bid price written in words shall govern. Until the award of a contract is made, the Owner reserves the right to reject a bidder's proposal for any of the following reasons:

a. If the proposal is irregular as specified in Section 20, paragraph 20-09, *Irregular Proposals*.

b. If the bidder is disqualified for any of the reasons specified Section 20, paragraph 20-14, *Disqualification of Bidders*.

In addition, until the award of a contract is made, the Owner reserves the right to reject any or all proposals, waive technicalities, if such waiver is in the best interest of the Owner and is in conformance with applicable state and local laws or regulations pertaining to the letting of construction contracts; advertise for new proposals; or proceed with the work otherwise. All such actions shall promote the Owner's best interests.

30-02 Award of contract. The award of a contract, if it is to be awarded, shall be made within 180 calendar days of the date specified for publicly opening proposals, unless otherwise specified herein.

If the Owner elects to proceed with an award of contract, the Owner will make award to the responsible bidder whose bid, conforming with all the material terms and conditions of the bid documents, is the lowest in price.

30-03 Cancellation of award. The Owner reserves the right to cancel the award without liability to the bidder, except return of proposal guaranty, at any time before a contract has been fully executed by all parties and is approved by the Owner in accordance with paragraph 30-07 *Approval of Contract*.

30-04 Return of proposal guaranty. All proposal guaranties, except those of the two lowest bidders, will be returned immediately after the Owner has made a comparison of bids as specified in the paragraph 30-01, *Consideration of Proposals*. Proposal guaranties of the two lowest bidders will be retained by the Owner until such time as an award is made, at which time, the unsuccessful bidder's proposal guaranty will be returned. The successful bidder's proposal guaranty will be returned as soon as the Owner receives the contract bonds as specified in paragraph 30-05, *Requirements of Contract Bonds*.

30-05 Requirements of contract bonds. At the time of the execution of the contract, the successful bidder shall furnish the Owner a surety bond or bonds that have been fully executed by the bidder and the surety guaranteeing the performance of the work and the payment of all legal debts that may be incurred by reason of the Contractor's performance of the work. The surety and the form of the bond or bonds shall be acceptable to the Owner. Unless otherwise specified in this subsection, the surety bond or bonds shall be in a sum equal to the full amount of the contract.

30-06 Execution of contract. The successful bidder shall sign (execute) the necessary agreements for entering into the contract and return the signed contract to the Owner, along with the fully executed surety bond or bonds specified in paragraph 30-05, *Requirements of Contract Bonds*, of this section, within 15 calendar days from the date mailed or otherwise delivered to the successful bidder.

30-07 Approval of contract. Upon receipt of the contract and contract bond or bonds that have been executed by the successful bidder, the Owner shall complete the execution of the contract in accordance with local laws or ordinances and return the fully executed contract to the Contractor. Delivery of the fully executed contract to the Contractor shall constitute the Owner's approval to be bound by the successful bidder's proposal and the terms of the contract.

30-08 Failure to execute contract. Failure of the successful bidder to execute the contract and

furnish an acceptable surety bond or bonds within the period specified in paragraph 30-06, *Execution of Contract*, of this section shall be just cause for cancellation of the award and forfeiture of the proposal guaranty, not as a penalty, but as liquidated damages to the Owner.

END OF SECTION 30

Section 40

Scope of Work

40-01 Intent of contract. The intent of the contract is to provide for construction and completion, in every detail, of the work described. It is further intended that the Contractor shall furnish all labor, materials, equipment, tools, transportation, and supplies required to complete the work in accordance with the plans, specifications, and terms of the contract.

40-02 Alteration of work and quantities. The Owner reserves the right to make such changes in quantities and work as may be necessary or desirable to complete, in a satisfactory manner, the original intended work. Unless otherwise specified in the Contract, the Owner's Engineer or

RPR shall be and is hereby authorized to make, in writing, such in-scope alterations in the work and variation of quantities as may be necessary to complete the work, provided such action does not represent a significant change in the character of the work.

For purpose of this section, a significant change in character of work means: any change that is outside the current contract scope of work; any change (increase or decrease) in the total contract cost by more than 25%; or any change in the total cost of a major contract item by more than 25%.

Work alterations and quantity variances that do not meet the definition of significant change in character of work shall not invalidate the contract nor release the surety. Contractor agrees to accept payment for such work alterations and quantity variances in accordance with Section 90, paragraph 90-03, *Compensation for Altered Quantities*.

Should the value of altered work or quantity variance meet the criteria for significant change in character of work, such altered work and quantity variance shall be covered by a supplemental agreement. Supplemental agreements shall also require consent of the Contractor's surety and separate performance and payment bonds. If the Owner and the Contractor are unable to agree on a unit adjustment for any contract item that requires a supplemental agreement, the Owner reserves the right to terminate the contract with respect to the item and make other arrangements for its completion.

40-03 Omitted items. The Owner, the Owner's Engineer or the RPR may provide written notice to the Contractor to omit from the work any contract item that does not meet the definition of major contract item. Major contract items may be omitted by a supplemental agreement. Such omission of contract items shall not invalidate any other contract provision or requirement. Should a contract item be omitted or otherwise ordered to be non-performed, the Contractor shall be paid for all work performed toward completion of such item prior to the date of the order to omit such item. Payment for work performed shall be in accordance with Section 90, paragraph 90-04, *Payment for Omitted Items*.

40-04 Extra work. Should acceptable completion of the contract require the Contractor to perform an item of work not provided for in the awarded contract as previously modified by change order or supplemental agreement, Owner may issue a Change Order to cover the necessary extra work. Change orders for extra work shall contain agreed unit prices for performing the change order work in accordance with the requirements specified in the order and shall contain any adjustment to the contract time that, in the RPR's opinion, is necessary for completion of the extra work.

When determined by the RPR to be in the Owner's best interest, the RPR may order the Contractor to proceed with extra work as provided in Section 90, paragraph 90-05, *Payment for Extra Work*. Extra work that is necessary for acceptable completion of the project but is not within the general scope of the work covered by the original contract shall be covered by a supplemental agreement as defined in Section 10, paragraph 10-59, *Supplemental Agreement*.

If extra work is essential to maintaining the project critical path, RPR may order the Contractor to commence the extra work under a Time and Material contract method. Once sufficient detail is available to establish the level of effort necessary for the extra work, the Owner shall initiate a change order or supplemental agreement to cover the extra work.

Any claim for payment of extra work that is not covered by written agreement (change order or supplemental agreement) shall be rejected by the Owner.

40-05 Maintenance of traffic. It is the explicit intention of the contract that the safety of aircraft, as well as the Contractor's equipment and personnel, is the most important consideration. The Contractor shall maintain traffic in the manner detailed in the Construction Safety and Phasing Plan (CSPP).

a. It is understood and agreed that the Contractor shall provide for the free and unobstructed movement of aircraft in the air operations areas (AOAs) of the airport with respect to their own operations and the operations of all subcontractors as specified in Section 80, paragraph 80-04, *Limitation of Operations*. It is further understood and agreed that the Contractor shall provide for the uninterrupted operation of visual and electronic signals (including power supplies thereto) used in the guidance of aircraft while operating to, from, and upon the airport as specified in Section 70, paragraph 70-15, *Contractor's Responsibility for Utility Service and Facilities of Others*.

b. With respect to their own operations and the operations of all subcontractors, the Contractor shall provide marking, lighting, and other acceptable means of identifying personnel, equipment, vehicles, storage areas, and any work area or condition that may be hazardous to the operation of aircraft, fire-rescue equipment, or maintenance vehicles at the airport in accordance with the construction safety and phasing plan (CSPP) and the safety plan compliance document (SPCD).

c. When the contract requires the maintenance of an existing road, street, or highway during the Contractor's performance of work that is otherwise provided for in the contract, plans, and specifications, the Contractor shall keep the road, street, or highway open to all traffic and shall provide maintenance as may be required to accommodate traffic. The Contractor, at their expense, shall be responsible for the repair to equal or better than preconstruction conditions of any damage caused by the Contractor's equipment and personnel. The Contractor shall furnish, erect, and maintain barricades, warning signs, flag person, and other traffic control devices in reasonable conformity with the Manual on Uniform Traffic Control Devices (MUTCD) (<http://mutcd.fhwa.dot.gov/>), unless otherwise specified. The Contractor shall also construct and maintain in a safe condition any temporary connections necessary for ingress to and egress from abutting property or intersecting roads, streets or highways. Unless otherwise specified herein, the Contractor will not be required to furnish snow removal for such existing road, street, or highway.

40-06 Removal of existing structures. All existing structures encountered within the established lines, grades, or grading sections shall be removed by the Contractor, unless such existing structures are otherwise specified to be relocated, adjusted up or down, salvaged, abandoned in place, reused in the work or to remain in place. The cost of removing such existing structures shall not be measured or paid for directly but shall be included in the various contract items.

Should the Contractor encounter an existing structure (above or below ground) in the work for which the disposition is not indicated on the plans, the Resident Project Representative (RPR) shall be notified prior to disturbing such structure. The disposition of existing structures so encountered shall be immediately determined by the RPR in accordance with the provisions of

the contract.

Except as provided in Section 40, paragraph 40-07, *Rights in and Use of Materials Found in the Work*, it is intended that all existing materials or structures that may be encountered (within the lines, grades, or grading sections established for completion of the work) shall be used in the work as otherwise provided for in the contract and shall remain the property of the Owner when so used in the work.

40-07 Rights in and use of materials found in the work. Should the Contractor encounter any material such as (but not restricted to) sand, stone, gravel, slag, or concrete slabs within the established lines, grades, or grading sections, the use of which is intended by the terms of the contract to be embankment, the Contractor may at their own option either:

- a. Use such material in another contract item, providing such use is approved by the RPR and is in conformance with the contract specifications applicable to such use; or,
- b. Remove such material from the site, upon written approval of the RPR; or
- c. Use such material for the Contractor's own temporary construction on site; or,
- d. Use such material as intended by the terms of the contract.

Should the Contractor wish to exercise option a., b., or c., the Contractor shall request the RPR's approval in advance of such use.

Should the RPR approve the Contractor's request to exercise option a., b., or c., the Contractor shall be paid for the excavation or removal of such material at the applicable contract price. The Contractor shall replace, at their expense, such removed or excavated material with an agreed equal volume of material that is acceptable for use in constructing embankment, backfills, or otherwise to the extent that such replacement material is needed to complete the contract work. The Contractor shall not be charged for use of such material used in the work or removed from the site.

Should the RPR approve the Contractor's exercise of option a., the Contractor shall be paid, at the applicable contract price, for furnishing and installing such material in accordance with requirements of the contract item in which the material is used.

It is understood and agreed that the Contractor shall make no claim for delays by reason of their own exercise of option a., b., or c.

The Contractor shall not excavate, remove, or otherwise disturb any material, structure, or part of a structure which is located outside the lines, grades, or grading sections established for the work, except where such excavation or removal is provided for in the contract, plans, or specifications.

40-08 Final cleanup. Upon completion of the work and before acceptance and final payment will be made, the Contractor shall remove from the site all machinery, equipment, surplus and discarded materials, rubbish, temporary structures, and stumps or portions of trees. The Contractor shall cut all brush and woods within the limits indicated and shall leave the site in a neat and presentable condition. Material cleared from the site and deposited on adjacent property will not be considered as having been disposed of satisfactorily, unless the Contractor has obtained the written permission of the property Owner.

END OF SECTION 40

Section 50

Control of Work

50-01 Authority of the Resident Project Representative (RPR). The RPR has final authority regarding the interpretation of project specification requirements. The RPR shall determine acceptability of the quality of materials furnished, method of performance of work performed, and the manner and rate of performance of the work. The RPR does not have the authority to accept work that does not conform to specification requirements.

50-02 Conformity with plans and specifications. All work and all materials furnished shall be in reasonably close conformity with the lines, grades, grading sections, cross-sections, dimensions, material requirements, and testing requirements that are specified (including specified tolerances) in the contract, plans, or specifications.

If the RPR finds the materials furnished, work performed, or the finished product not within reasonably close conformity with the plans and specifications, but that the portion of the work affected will, in their opinion, result in a finished product having a level of safety, economy, durability, and workmanship acceptable to the Owner, the RPR will advise the Owner of their determination that the affected work be accepted and remain in place. The RPR will document the determination and recommend to the Owner a basis of acceptance that will provide for an adjustment in the contract price for the affected portion of the work. Changes in the contract price must be covered by contract change order or supplemental agreement as applicable.

If the RPR finds the materials furnished, work performed, or the finished product are not in reasonably close conformity with the plans and specifications and have resulted in an unacceptable finished product, the affected work or materials shall be removed and replaced or otherwise corrected by and at the expense of the Contractor in accordance with the RPR's written orders.

The term "reasonably close conformity" shall not be construed as waiving the Contractor's responsibility to complete the work in accordance with the contract, plans, and specifications. The term shall not be construed as waiving the RPR's responsibility to insist on strict compliance with the requirements of the contract, plans, and specifications during the Contractor's execution of the work, when, in the RPR's opinion, such compliance is essential to provide an acceptable finished portion of the work.

The term "reasonably close conformity" is also intended to provide the RPR with the authority, after consultation with the Sponsor and FAA, to use sound engineering judgment in their determinations to accept work that is not in strict conformity, but will provide a finished product equal to or better than that required by the requirements of the contract, plans and specifications.

The RPR will not be responsible for the Contractor's means, methods, techniques, sequences, or procedures of construction or the safety precautions incident thereto.

50-03 Coordination of contract, plans, and specifications. The contract, plans, specifications, and all referenced standards cited are essential parts of the contract requirements. If electronic files are provided and used on the project and there is a conflict between the electronic files and hard copy plans, the hard copy plans shall govern. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions will govern over scaled dimensions; contract technical specifications shall govern over contract general provisions, plans, cited standards for materials or testing, and cited advisory circulars (ACs); contract general provisions shall govern over plans, cited standards for materials or testing, and cited ACs; plans shall govern over cited standards for materials or testing and cited ACs. If any paragraphs contained in the Special Provisions conflict with General Provisions or Technical Specifications, the Special Provisions shall govern.

From time to time, discrepancies within cited testing standards occur due to the timing of the change, edits, and/or replacement of the standards. If the Contractor discovers any apparent discrepancy within standard test methods, the Contractor shall immediately ask the RPR for an interpretation and decision, and such decision shall be final.

The Contractor shall not take advantage of any apparent error or omission on the plans or specifications. In the event the Contractor discovers any apparent error or discrepancy, Contractor shall immediately notify the Owner or the designated representative in writing requesting their written interpretation and decision.

50-04 List of Special Provisions. [None]

50-05 Cooperation of Contractor. The Contractor shall be supplied with an electronic PDF of the plans and specifications. The Contractor shall have available on the construction site at all times one hardcopy each of the plans and specifications. Additional hard copies of plans and specifications may be obtained by the Contractor for the cost of reproduction.

The Contractor shall give constant attention to the work to facilitate the progress thereof and shall cooperate with the RPR and their inspectors and with other Contractors in every way possible. The Contractor shall have a competent superintendent on the work at all times who is fully authorized as their agent on the work. The superintendent shall be capable of reading and thoroughly understanding the plans and specifications and shall receive and fulfill instructions from the RPR or their authorized representative.

50-06 Cooperation between Contractors. The Owner reserves the right to contract for and perform other or additional work on or near the work covered by this contract. When separate contracts are let within the limits of any one project, each Contractor shall conduct the work not to interfere with or hinder the progress of completion of the work being performed by other Contractors. Contractors working on the same project shall cooperate with each other as directed.

Each Contractor involved shall assume all liability, financial or otherwise, in connection with their own contract and shall protect and hold harmless the Owner from any and all damages or claims that may arise because of inconvenience, delays, or loss experienced because of the presence and operations of other Contractors working within the limits of the same project.

The Contractor shall arrange their work and shall place and dispose of the materials being used to not interfere with the operations of the other Contractors within the limits of the same project.

The Contractor shall join their work with that of the others in an acceptable manner and shall perform it in proper sequence to that of the others.

50-07 Construction layout and stakes. The Engineer/RPR shall establish necessary horizontal and vertical control. The establishment of Survey Control and/or reestablishment of survey control shall be by a State Licensed Land Surveyor. Contractor is responsible for preserving integrity of horizontal and vertical controls established by Engineer/RPR. In case of negligence on the part of the Contractor or their employees, resulting in the destruction of any horizontal and vertical control, the resulting costs will be deducted as a liquidated damage against the Contractor.

Prior to the start of construction, the Contractor will check all control points for horizontal and vertical accuracy and certify in writing to the RPR that the Contractor concurs with survey control established for the project. All lines, grades and measurements from control points necessary for the proper execution and control of the work on this project will be provided to the RPR. The Contractor is responsible to establish all layout required for the construction of the project.

Copies of survey notes will be provided to the RPR for each area of construction and for each placement of material as specified to allow the RPR to make periodic checks for conformance with plan grades, alignments and grade tolerances required by the applicable material specifications. Surveys will be provided to the RPR prior to commencing work items that cover or disturb the survey staking. Survey(s) and notes shall be provided in the following format(s):
PDF

Laser, GPS, String line, or other automatic control shall be checked with temporary control as necessary. In the case of error, on the part of the Contractor, their surveyor, employees or subcontractors, resulting in established grades, alignment or grade tolerances that do not concur with those specified or shown on the plans, the Contractor is solely responsible for correction, removal, replacement and all associated costs at no additional cost to the Owner.
Shall comply with HAS standards.

No direct payment will be made, unless otherwise specified in contract documents, for this labor, materials, or other expenses. The cost shall be included in the price of the bid for the various items of the Contract.

50-08 Authority and duties of Quality Assurance (QA) inspectors. QA inspectors shall be authorized to inspect all work done and all material furnished. Such QA inspection may extend to all or any part of the work and to the preparation, fabrication, or manufacture of the materials to be used. QA inspectors are not authorized to revoke, alter, or waive any provision of the contract. QA inspectors are not authorized to issue instructions contrary to the plans and specifications or to act as foreman for the Contractor.

QA Inspectors are authorized to notify the Contractor or their representatives of any failure of the work or materials to conform to the requirements of the contract, plans, or specifications and to reject such nonconforming materials in question until such issues can be referred to the RPR for a decision.

50-09 Inspection of the work. All materials and each part or detail of the work shall be subject to inspection. The RPR shall be allowed access to all parts of the work and shall be furnished with such information and assistance by the Contractor as is required to make a complete and detailed inspection.

If the RPR requests it, the Contractor, at any time before acceptance of the work, shall remove or uncover such portions of the finished work as may be directed. After examination, the Contractor shall restore said portions of the work to the standard required by the specifications. Should the work thus exposed or examined prove acceptable, the uncovering, or removing, and the replacing of the covering or making good of the parts removed will be paid for as extra work; but should the work so exposed or examined prove unacceptable, the uncovering, or removing,

and the replacing of the covering or making good of the parts removed will be at the Contractor's expense.

Provide advance written notice to the RPR of work the Contractor plans to perform each week and each day. Any work done or materials used without written notice and allowing opportunity for inspection by the RPR may be ordered removed and replaced at the Contractor's expense. Should the contract work include relocation, adjustment, or any other modification to existing facilities, not the property of the (contract) Owner, authorized representatives of the Owners of such facilities shall have the right to inspect such work. Such inspection shall in no sense make any facility owner a party to the contract and shall in no way interfere with the rights of the parties to this contract.

50-10 Removal of unacceptable and unauthorized work. All work that does not conform to the requirements of the contract, plans, and specifications will be considered unacceptable, unless otherwise determined acceptable by the RPR as provided in paragraph 50-02, *Conformity with Plans and Specifications*.

Unacceptable work, whether the result of poor workmanship, use of defective materials, damage through carelessness, or any other cause found to exist prior to the final acceptance of the work, shall be removed immediately and replaced in an acceptable manner in accordance with the provisions of Section 70, paragraph 70-14, *Contractor's Responsibility for Work*. No removal work made under provision of this paragraph shall be done without lines and grades having been established by the RPR. Work done contrary to the instructions of the RPR, work done beyond the lines shown on the plans or as established by the RPR, except as herein specified, or any extra work done without authority, will be considered as unauthorized and will not be paid for under the provisions of the contract. Work so done may be ordered removed or replaced at the Contractor's expense.

Upon failure on the part of the Contractor to comply with any order of the RPR made under the provisions of this subsection, the RPR will have authority to cause unacceptable work to be remedied or removed and replaced; and unauthorized work to be removed and recover the resulting costs as a liquidated damage against the Contractor.

50-11 Load restrictions. The Contractor shall comply with all legal load restrictions in the hauling of materials on public roads beyond the limits of the work. A special permit will not relieve the Contractor of liability for damage that may result from the moving of material or equipment.

The operation of equipment of such weight or so loaded as to cause damage to structures or to any other type of construction will not be permitted. Hauling of materials over the base course or surface course under construction shall be limited as directed. No loads will be permitted on a concrete pavement, base, or structure before the expiration of the curing period. The Contractor, at their own expense, shall be responsible for the repair to equal or better than preconstruction conditions of any damage caused by the Contractor's equipment and personnel.

50-12 Maintenance during construction. The Contractor shall maintain the work during construction and until the work is accepted. Maintenance shall constitute continuous and effective work prosecuted day by day, with adequate equipment and forces so that the work is maintained in satisfactory condition at all times.

In the case of a contract for the placing of a course upon a course or subgrade previously constructed, the Contractor shall maintain the previous course or subgrade during all construction operations.

All costs of maintenance work during construction and before the project is accepted shall be included in the unit prices bid on the various contract items, and the Contractor will not be paid an additional amount for such work.

50-13 Failure to maintain the work. Should the Contractor at any time fail to maintain the work as provided in paragraph 50-12, *Maintenance during Construction*, the RPR shall immediately notify the Contractor of such noncompliance. Such notification shall specify a reasonable time within which the Contractor shall be required to remedy such unsatisfactory maintenance condition. The time specified will give due consideration to the exigency that exists.

Should the Contractor fail to respond to the RPR's notification, the Owner may suspend any work necessary for the Owner to correct such unsatisfactory maintenance condition, depending on the exigency that exists. Any maintenance cost incurred by the Owner, shall be recovered as a liquidated damage against the Contractor.

50-14 Partial acceptance. If at any time during the execution of the project the Contractor substantially completes a usable unit or portion of the work, the occupancy of which will benefit the Owner, the Contractor may request the RPR to make final inspection of that unit. If the RPR finds upon inspection that the unit has been satisfactorily completed in compliance with the contract, the RPR may accept it as being complete, and the Contractor may be relieved of further responsibility for that unit. Such partial acceptance and beneficial occupancy by the Owner shall not void or alter any provision of the contract.

50-15 Final acceptance. Upon due notice from the Contractor of presumptive completion of the entire project, the RPR and Owner will make an inspection. If all construction provided for and contemplated by the contract is found to be complete in accordance with the contract, plans, and specifications, such inspection shall constitute the final inspection. The RPR shall notify the Contractor in writing of final acceptance as of the date of the final inspection.

If, however, the inspection discloses any work, in whole or in part, as being unsatisfactory, the RPR will notify the Contractor and the Contractor shall correct the unsatisfactory work. Upon correction of the work, another inspection will be made which shall constitute the final inspection, provided the work has been satisfactorily completed. In such event, the RPR will make the final acceptance and notify the Contractor in writing of this acceptance as of the date of final inspection.

50-16 Claims for adjustment and disputes. If for any reason the Contractor deems that additional compensation is due for work or materials not clearly provided for in the contract, plans, or specifications or previously authorized as extra work, the Contractor shall notify the RPR in writing of their intention to claim such additional compensation before the Contractor begins the work on which the Contractor bases the claim. If such notification is not given or the RPR is not afforded proper opportunity by the Contractor for keeping strict account of actual cost as required, then the Contractor hereby agrees to waive any claim for such additional compensation. Such notice by the Contractor and the fact that the RPR has kept account of the

cost of the work shall not in any way be construed as proving or substantiating the validity of the claim. When the work on which the claim for additional compensation is based has been completed, the Contractor shall, within 10 calendar days, submit a written claim to the RPR who will present it to the Owner for consideration in accordance with local laws or ordinances. Nothing in this subsection shall be construed as a waiver of the Contractor's right to dispute final payment based on differences in measurements or computations.

END OF SECTION 50

Section 60

Control of Materials

60-01 Source of supply and quality requirements. The materials used in the work shall conform to the requirements of the contract, plans, and specifications. Unless otherwise specified, such materials that are manufactured or processed shall be new (as compared to

used or reprocessed).

In order to expedite the inspection and testing of materials, the Contractor shall furnish documentation to the RPR as to the origin, composition, and manufacture of all materials to be used in the work. Documentation shall be furnished promptly after execution of the contract but, in all cases, prior to delivery of such materials.

At the RPR's option, materials may be approved at the source of supply before delivery. If it is found after trial that sources of supply for previously approved materials do not produce specified products, the Contractor shall furnish materials from other sources.

The Contractor shall furnish airport lighting equipment that meets the requirements of the specifications; and is listed in AC 150/5345-53, *Airport Lighting Equipment Certification Program* and *Addendum*, that is in effect on the date of advertisement.

60-02 Samples, tests, and cited specifications. All materials used in the work shall be inspected, tested, and approved by the RPR before incorporation in the work unless otherwise designated. Any work in which untested materials are used without approval or written permission of the RPR shall be performed at the Contractor's risk. Materials found to be unacceptable and unauthorized will not be paid for and, if directed by the RPR, shall be removed at the Contractor's expense.

Unless otherwise designated, quality assurance tests will be made by and at the expense of the Owner in accordance with the cited standard methods of ASTM, American Association of State Highway and Transportation Officials (AASHTO), federal specifications, Commercial Item Descriptions, and all other cited methods, which are current on the date of advertisement for bids.

The testing organizations performing on-site quality assurance field tests shall have copies of all referenced standards on the construction site for use by all technicians and other personnel. Unless otherwise designated, samples for quality assurance will be taken by a qualified representative of the RPR. All materials being used are subject to inspection, test, or rejection at any time prior to or during incorporation into the work. Copies of all tests will be furnished to the Contractor's representative at their request after review and approval of the RPR.

A copy of all Contractor QC test data shall be provided to the RPR daily, along with printed reports, in an approved format, on a weekly basis. After completion of the project, and prior to final payment, the Contractor shall submit a final report to the RPR showing all test data reports, plus an analysis of all results showing ranges, averages, and corrective action taken on all failing tests.

The Contractor shall employ a Quality Control (QC) testing organization to perform all Contractor required QC tests in accordance with Item C-100 Contractor Quality Control Program (CQCP).

60-03 Certification of compliance/analysis (COC/COA). The RPR may permit the use, prior to sampling and testing, of certain materials or assemblies when accompanied by manufacturer's COC stating that such materials or assemblies fully comply with the requirements of the contract. The certificate shall be signed by the manufacturer. Each lot of

such materials or assemblies delivered to the work must be accompanied by a certificate of compliance in which the lot is clearly identified. The COA is the manufacturer's COC and includes all applicable test results.

Materials or assemblies used on the basis of certificates of compliance may be sampled and tested at any time and if found not to be in conformity with contract requirements will be subject to rejection whether in place or not.

The form and distribution of certificates of compliance shall be as approved by the RPR.

When a material or assembly is specified by "brand name or equal" and the Contractor elects to furnish the specified "or equal," the Contractor shall be required to furnish the manufacturer's certificate of compliance for each lot of such material or assembly delivered to the work. Such certificate of compliance shall clearly identify each lot delivered and shall certify as to:

a. Conformance to the specified performance, testing, quality or dimensional requirements; and,

b. Suitability of the material or assembly for the use intended in the contract work.

The RPR shall be the sole judge as to whether the proposed "or equal" is suitable for use in the work.

The RPR reserves the right to refuse permission for use of materials or assemblies on the basis of certificates of compliance.

60-04 Plant inspection. The RPR or their authorized representative may inspect, at its source, any specified material or assembly to be used in the work. Manufacturing plants may be inspected from time to time for the purpose of determining compliance with specified manufacturing methods or materials to be used in the work and to obtain samples required for acceptance of the material or assembly.

Should the RPR conduct plant inspections, the following conditions shall exist:

a. The RPR shall have the cooperation and assistance of the Contractor and the producer with whom the Contractor has contracted for materials.

b. The RPR shall have full entry at all reasonable times to such parts of the plant that concern the manufacture or production of the materials being furnished.

c. If required by the RPR, the Contractor shall arrange for adequate office or working space that may be reasonably needed for conducting plant inspections. Place office or working space in a convenient location with respect to the plant.

It is understood and agreed that the Owner shall have the right to retest any material that has been tested and approved at the source of supply after it has been delivered to the site. The RPR shall have the right to reject only material which, when retested, does not meet the requirements of the contract, plans, or specifications.

60-05 Engineer/ Resident Project Representative (RPR) field office. An Engineer/RPR field office is **not required**.

60-06 Storage of materials. Materials shall be stored to assure the preservation of their quality and fitness for the work. Stored materials, even though approved before storage, may again be inspected prior to their use in the work. Stored materials shall be located to facilitate their

prompt inspection. The Contractor shall coordinate the storage of all materials with the RPR. Materials to be stored on airport property shall not create an obstruction to air navigation nor shall they interfere with the free and unobstructed movement of aircraft. Unless otherwise shown on the plans and/or CSPP, the storage of materials and the location of the Contractor's plant and parked equipment or vehicles shall be as directed by the RPR. Private property shall not be used for storage purposes without written permission of the Owner or lessee of such property. The Contractor shall make all arrangements and bear all expenses for the storage of materials on private property. Upon request, the Contractor shall furnish the RPR a copy of the property Owner's permission.

All storage sites on private or airport property shall be restored to their original condition by the Contractor at their expense, except as otherwise agreed to (in writing) by the Owner or lessee of the property.

60-07 Unacceptable materials. Any material or assembly that does not conform to the requirements of the contract, plans, or specifications shall be considered unacceptable and shall be rejected. The Contractor shall remove any rejected material or assembly from the site of the work, unless otherwise instructed by the RPR.

Rejected material or assembly, the defects of which have been corrected by the Contractor, shall not be returned to the site of the work until such time as the RPR has approved its use in the work.

60-08 Owner furnished materials. The Contractor shall furnish all materials required to complete the work, except those specified, if any, to be furnished by the Owner. Owner-furnished materials shall be made available to the Contractor at the location specified. All costs of handling, transportation from the specified location to the site of work, storage, and installing Owner-furnished materials shall be included in the unit price bid for the contract item in which such Owner-furnished material is used.

After any Owner-furnished material has been delivered to the location specified, the Contractor shall be responsible for any demurrage, damage, loss, or other deficiencies that may occur during the Contractor's handling, storage, or use of such Owner-furnished material. The Owner will deduct from any monies due or to become due the Contractor any cost incurred by the Owner in making good such loss due to the Contractor's handling, storage, or use of Owner-furnished materials.

END OF SECTION 60

Section 70

Legal Regulations and Responsibility to the Public

70-01 Laws to be observed. The Contractor shall keep fully informed of all federal and state laws, all local laws, ordinances, and regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or

employed on the work, or which in any way affect the conduct of the work. The Contractor shall at all times observe and comply with all such laws, ordinances, regulations, orders, and decrees; and shall protect and indemnify the Owner and all their officers, agents, or servants against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree, whether by the Contractor or the Contractor's employees.

70-02 Permits, licenses, and taxes. The Contractor shall procure all permits and licenses, pay all charges, fees, and taxes, and give all notices necessary and incidental to the due and lawful execution of the work.

70-03 Patented devices, materials, and processes. If the Contractor is required or desires to use any design, device, material, or process covered by letters of patent or copyright, the Contractor shall provide for such use by suitable legal agreement with the Patentee or Owner. The Contractor and the surety shall indemnify and hold harmless the Owner, any third party, or political subdivision from any and all claims for infringement by reason of the use of any such patented design, device, material or process, or any trademark or copyright, and shall indemnify the Owner for any costs, expenses, and damages which it may be obliged to pay by reason of an infringement, at any time during the execution or after the completion of the work.

70-04 Restoration of surfaces disturbed by others. The Owner reserves the right to authorize the construction, reconstruction, or maintenance of any public or private utility service, FAA or National Oceanic and Atmospheric Administration (NOAA) facility, or a utility service of another government agency at any time during the progress of the work.

Except as listed above, the Contractor shall not permit any individual, firm, or corporation to excavate or otherwise disturb such utility services or facilities located within the limits of the work without the written permission of the RPR.

Should the Owner of public or private utility service, FAA, or NOAA facility, or a utility service of another government agency be authorized to construct, reconstruct, or maintain such utility service or facility during the progress of the work, the Contractor shall cooperate with such Owners by arranging and performing the work in this contract to facilitate such construction, reconstruction or maintenance by others whether or not such work by others is listed above.

When ordered as extra work by the RPR, the Contractor shall make all necessary repairs to the work which are due to such authorized work by others, unless otherwise provided for in the contract, plans, or specifications. It is understood and agreed that the Contractor shall not be entitled to make any claim for damages due to such authorized work by others or for any delay to the work resulting from such authorized work.

70-05 Federal Participation. The United States Government has agreed to reimburse the Owner for some portion of the contract costs. The contract work is subject to the inspection and approval of duly authorized representatives of the FAA Administrator. No requirement of this contract shall be construed as making the United States a party to the contract nor will any such requirement interfere, in any way, with the rights of either party to the contract.

70-06 Sanitary, health, and safety provisions. The Contractor's worksite and facilities shall comply with applicable federal, state, and local requirements for health, safety and sanitary provisions.

70-07 Public convenience and safety. The Contractor shall control their operations and those of their subcontractors and all suppliers, to assure the least inconvenience to the traveling public. Under all circumstances, safety shall be the most important consideration.

The Contractor shall maintain the free and unobstructed movement of aircraft and vehicular traffic with respect to their own operations and those of their own subcontractors and all suppliers in accordance with Section 40, paragraph 40-05, *Maintenance of Traffic*, and shall limit such operations for the convenience and safety of the traveling public as specified in Section 80, paragraph 80-04, *Limitation of Operations*.

The Contractor shall remove or control debris and rubbish resulting from its work operations at frequent intervals, and upon the order of the RPR. If the RPR determines the existence of Contractor debris in the work site represents a hazard to airport operations and the Contractor is unable to respond in a prompt and reasonable manner, the RPR reserves the right to assign the task of debris removal to a third party and recover the resulting costs as a liquidated damage against the Contractor.

70-08 Construction Safety and Phasing Plan (CSPP). The Contractor shall complete the work in accordance with the approved Construction Safety and Phasing Plan (CSPP) developed in accordance with AC 150/5370-2, Operational Safety on Airports During Construction. The CSPP is included in the CSPP Report and supported by drawings on sheet(s) **GC001, GC002, GC100, GC101, and GC901 in the project manual.**

70-09 Use of explosives. The use of explosives is not permitted on this project.

70-10 Protection and restoration of property and landscape. The Contractor shall be responsible for the preservation of all public and private property, and shall protect carefully from disturbance or damage all land monuments and property markers until the Engineer/RPR has witnessed or otherwise referenced their location and shall not move them until directed.

The Contractor shall be responsible for all damage or injury to property of any character, during the execution of the work, resulting from any act, omission, neglect, or misconduct in manner or method of executing the work, or at any time due to defective work or materials, and said responsibility shall not be released until the project has been completed and accepted.

When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect, or misconduct in the execution of the work, or in consequence of the non-execution thereof by the Contractor, the Contractor shall restore, at their expense, such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, or otherwise restoring as may be directed, or the Contractor shall make good such damage or injury in an acceptable manner.

70-11 Responsibility for damage claims. The Contractor shall indemnify and hold harmless the Engineer/RPR and the Owner and their officers, agents, and employees from all suits, actions, or claims, of any character, brought because of any injuries or damage received or sustained by any person, persons, or property on account of the operations of the Contractor; or on account of or in consequence of any neglect in safeguarding the work; or through use of unacceptable materials in constructing the work; or because of any act or omission, neglect, or misconduct of said Contractor; or because of any claims or amounts recovered from any infringements of patent, trademark, or copyright; or from any claims or amounts arising or

recovered under the "Workmen's Compensation Act," or any other law, ordinance, order, or decree. Money due the Contractor under and by virtue of their own contract considered necessary by the Owner for such purpose may be retained for the use of the Owner or, in case no money is due, their own surety may be held until such suits, actions, or claims for injuries or damages shall have been settled and suitable evidence to that effect furnished to the Owner, except that money due the Contractor will not be withheld when the Contractor produces satisfactory evidence that he or she is adequately protected by public liability and property damage insurance.

70-12 Third party beneficiary clause. It is specifically agreed between the parties executing the contract that it is not intended by any of the provisions of any part of the contract to create for the public or any member thereof, a third-party beneficiary or to authorize anyone not a party to the contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of the contract.

70-13 Opening sections of the work to traffic. If it is necessary for the Contractor to complete portions of the contract work for the beneficial occupancy of the Owner prior to completion of the entire contract, such "phasing" of the work must be specified below and indicated on the approved Construction Safety and Phasing Plan (CSPP) and the project plans. When so specified, the Contractor shall complete such portions of the work on or before the date specified or as otherwise specified. **Refer to construction documents.**

Upon completion of any portion of work listed above, such portion shall be accepted by the Owner in accordance with Section 50, paragraph 50-14, *Partial Acceptance*.

No portion of the work may be opened by the Contractor until directed by the Owner in writing. Should it become necessary to open a portion of the work to traffic on a temporary or intermittent basis, such openings shall be made when, in the opinion of the RPR, such portion of the work is in an acceptable condition to support the intended traffic. Temporary or intermittent openings are considered to be inherent in the work and shall not constitute either acceptance of the portion of the work so opened or a waiver of any provision of the contract. Any damage to the portion of the work so opened that is not attributable to traffic which is permitted by the Owner shall be repaired by the Contractor at their expense.

The Contractor shall make their own estimate of the inherent difficulties involved in completing the work under the conditions herein described and shall not claim any added compensation by reason of delay or increased cost due to opening a portion of the contract work. The Contractor must conform to safety standards contained AC 150/5370-2 and the approved CSPP.

Contractor shall refer to the plans, specifications, and the approved CSPP to identify barricade requirements, temporary and/or permanent markings, airfield lighting, guidance signs and other safety requirements prior to opening up sections of work to traffic.

70-14 Contractor's responsibility for work. Until the RPR's final written acceptance of the entire completed work, excepting only those portions of the work accepted in accordance with Section 50, paragraph 50-14, *Partial Acceptance*, the Contractor shall have the charge and care thereof and shall take every precaution against injury or damage to any part due to the action of the elements or from any other cause, whether arising from the execution or from the non-

execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof except damage to the work due to unforeseeable causes beyond the control of and without the fault or negligence of the Contractor, including but not restricted to acts of God such as earthquake, tidal wave, tornado, hurricane or other cataclysmic phenomenon of nature, or acts of the public enemy or of government authorities.

If the work is suspended for any cause whatever, the Contractor shall be responsible for the work and shall take such precautions necessary to prevent damage to the work. The Contractor shall provide for normal drainage and shall erect necessary temporary structures, signs, or other facilities at their own expense. During such period of suspension of work, the Contractor shall properly and continuously maintain in an acceptable growing condition all living material in newly established planting, seeding, and sodding furnished under the contract, and shall take adequate precautions to protect new tree growth and other important vegetative growth against injury.

70-15 Contractor's responsibility for utility service and facilities of others. As provided in paragraph 70-04, *Restoration of Surfaces Disturbed by Others*, the Contractor shall cooperate with the owner of any public or private utility service, FAA or NOAA, or a utility service of another government agency that may be authorized by the Owner to construct, reconstruct or maintain such utility services or facilities during the progress of the work. In addition, the Contractor shall control their operations to prevent the unscheduled interruption of such utility services and facilities.

To the extent that such public or private utility services, FAA, or NOAA facilities, or utility services of another governmental agency are known to exist within the limits of the contract work, the approximate locations have been indicated on the plans and/or in the contract documents.

It is understood and agreed that the Owner does not guarantee the accuracy or the completeness of the location information relating to existing utility services, facilities, or structures that may be shown on the plans or encountered in the work. Any inaccuracy or omission in such information shall not relieve the Contractor of the responsibility to protect such existing features from damage or unscheduled interruption of service.

It is further understood and agreed that the Contractor shall, upon execution of the contract, notify the Owners of all utility services or other facilities of their plan of operations. Such notification shall be in writing addressed to "The Person to Contact" as provided in this paragraph and paragraph 70-04, *Restoration of Surfaces Disturbed By Others*. A copy of each notification shall be given to the RPR.

In addition to the general written notification provided, it shall be the responsibility of the Contractor to keep such individual Owners advised of changes in their plan of operations that would affect such Owners.

Prior to beginning the work in the general vicinity of an existing utility service or facility, the Contractor shall again notify each such Owner of their plan of operation. If, in the Contractor's opinion, the Owner's assistance is needed to locate the utility service or facility or the presence

of a representative of the Owner is desirable to observe the work, such advice should be included in the notification. Such notification shall be given by the most expeditious means to reach the utility owner's "Person to Contact" no later than two normal business days prior to the Contractor's commencement of operations in such general vicinity. The Contractor shall furnish a written summary of the notification to the RPR.

The Contractor's failure to give the two days' notice shall be cause for the Owner to suspend the Contractor's operations in the general vicinity of a utility service or facility.

Where the outside limits of an underground utility service have been located and staked on the ground, the Contractor shall be required to use hand excavation methods within 3 feet (1 m) of such outside limits at such points as may be required to ensure protection from damage due to the Contractor's operations.

Should the Contractor damage or interrupt the operation of a utility service or facility by accident or otherwise, the Contractor shall immediately notify the proper authority and the RPR and shall take all reasonable measures to prevent further damage or interruption of service. The Contractor, in such events, shall cooperate with the utility service or facility owner and the RPR continuously until such damage has been repaired and service restored to the satisfaction of the utility or facility owner.

The Contractor shall bear all costs of damage and restoration of service to any utility service or facility due to their operations whether due to negligence or accident. The Owner reserves the right to deduct such costs from any monies due or which may become due the Contractor, or their own surety.

70-15.1 FAA facilities and cable runs. The Contractor is hereby advised that the construction limits of the project include existing facilities and buried cable runs that are owned, operated and maintained by the FAA. The Contractor, during the execution of the project work, shall comply with the following:

a. The Contractor shall permit FAA maintenance personnel the right of access to the project work site for purposes of inspecting and maintaining all existing FAA owned facilities.

b. The Contractor shall provide notice to the FAA Air Traffic Organization (ATO)/Technical Operations/System Support Center (SSC) Point-of-Contact through the airport Owner a minimum of seven (7) calendar days prior to commencement of construction activities in order to permit sufficient time to locate and mark existing buried cables and to schedule any required facility outages.

c. If execution of the project work requires a facility outage, the Contractor shall contact the FAA Point-of-Contact a minimum of 72 hours prior to the time of the required outage.

d. Any damage to FAA cables, access roads, or FAA facilities during construction caused by the Contractor's equipment or personnel whether by negligence or accident will require the Contractor to repair or replace the damaged cables, access road, or FAA facilities to FAA requirements. The Contractor shall not bear the cost to repair damage to underground facilities or utilities improperly located by the FAA.

e. If the project work requires the cutting or splicing of FAA owned cables, the FAA Point-of-Contact shall be contacted a minimum of 72 hours prior to the time the cable work commences. The FAA reserves the right to have a FAA representative on site to observe the splicing of the

cables as a condition of acceptance. All cable splices are to be accomplished in accordance with FAA specifications and require approval by the FAA Point-of-Contact as a condition of acceptance by the Owner. The Contractor is hereby advised that FAA restricts the location of where splices may be installed. If a cable splice is required in a location that is not permitted by FAA, the Contractor shall furnish and install a sufficient length of new cable that eliminates the need for any splice.

70-16 Furnishing rights-of-way. The Owner will be responsible for furnishing all rights-of-way upon which the work is to be constructed in advance of the Contractor's operations.

70-17 Personal liability of public officials. In carrying out any of the contract provisions or in exercising any power or authority granted by this contract, there shall be no liability upon the Engineer, RPR, their authorized representatives, or any officials of the Owner either personally or as an official of the Owner. It is understood that in such matters they act solely as agents and representatives of the Owner.

70-18 No waiver of legal rights. Upon completion of the work, the Owner will expeditiously make final inspection and notify the Contractor of final acceptance. Such final acceptance, however, shall not preclude or stop the Owner from correcting any measurement, estimate, or certificate made before or after completion of the work, nor shall the Owner be precluded or stopped from recovering from the Contractor or their surety, or both, such overpayment as may be sustained, or by failure on the part of the Contractor to fulfill their obligations under the contract. A waiver on the part of the Owner of any breach of any part of the contract shall not be held to be a waiver of any other or subsequent breach.

The Contractor, without prejudice to the terms of the contract, shall be liable to the Owner for latent defects, fraud, or such gross mistakes as may amount to fraud, or as regards the Owner's rights under any warranty or guaranty.

70-19 Environmental protection. The Contractor shall comply with all federal, state, and local laws and regulations controlling pollution of the environment. The Contractor shall take necessary precautions to prevent pollution of streams, lakes, ponds, and reservoirs with fuels, oils, asphalts, chemicals, or other harmful materials and to prevent pollution of the atmosphere from particulate and gaseous matter. **Per HAS standards, project drawings and specifications.**

70-20 Archaeological and historical findings. Unless otherwise specified in this subsection, the Contractor is advised that the site of the work is not within any property, district, or site, and does not contain any building, structure, or object listed in the current National Register of Historic Places published by the United States Department of Interior.

Should the Contractor encounter, during their operations, any building, part of a building, structure, or object that is incongruous with its surroundings, the Contractor shall immediately cease operations in that location and notify the RPR. The RPR will immediately investigate the Contractor's finding and the Owner will direct the Contractor to either resume operations or to suspend operations as directed.

Should the Owner order suspension of the Contractor's operations in order to protect an archaeological or historical finding, or order the Contractor to perform extra work, such shall be covered by an appropriate contract change order or supplemental agreement as provided in Section 40, paragraph 40-04, *Extra Work*, and Section 90, paragraph 90-05, *Payment for Extra*

Work. If appropriate, the contract change order or supplemental agreement shall include an extension of contract time in accordance with Section 80, paragraph 80-07, *Determination and Extension of Contract Time.*

70-21 Insurance Requirements. See General and Supplemental Conditions.

END OF SECTION 70

Section 80

Execution and Progress

80-01 Subletting of contract. The Owner will not recognize any subcontractor on the work. The Contractor shall at all times when work is in progress be represented either in person, by a

qualified superintendent, or by other designated, qualified representative who is duly authorized to receive and execute orders of the Resident Project Representative (RPR).

The Contractor shall perform, with his organization, an amount of work equal to at least 25 percent of the total contract cost.

Should the Contractor elect to assign their contract, said assignment shall be concurred in by the surety, shall be presented for the consideration and approval of the Owner, and shall be consummated only on the written approval of the Owner.

The Contractor shall provide copies of all subcontracts to the RPR 14 days prior to being utilized on the project. As a minimum, the information shall include the following:

- Subcontractor's legal company name.
- Subcontractor's legal company address, including County name.
- Principal contact person's name, telephone and fax number.
- Complete narrative description, and dollar value of the work to be performed by the subcontractor.
- Copies of required insurance certificates in accordance with the specifications.
- Minority/ non-minority status.

80-02 Notice to proceed (NTP). The Owners notice to proceed will state the date on which contract time commences. The Contractor is expected to commence project operations as indicated on the NTP date. The Contractor shall notify the RPR at least 24 hours in advance of the time contract operations begins. The Contractor shall not commence any actual operations prior to the date on which the notice to proceed is issued by the Owner.

80-03 Execution and progress. Unless otherwise specified, the Contractor shall submit their coordinated construction schedule showing all work activities for the RPR's review and acceptance at least 10 days prior to the start of work. The Contractor's progress schedule, once accepted by the RPR, will represent the Contractor's baseline plan to accomplish the project in accordance with the terms and conditions of the Contract. The RPR will compare actual Contractor progress against the baseline schedule to determine that status of the Contractor's performance. The Contractor shall provide sufficient materials, equipment, and labor to guarantee the completion of the project in accordance with the plans and specifications within the time set forth in the proposal.

If the Contractor falls significantly behind the submitted schedule, the Contractor shall, upon the RPR's request, submit a revised schedule for completion of the work within the contract time and modify their operations to provide such additional materials, equipment, and labor necessary to meet the revised schedule. Should the execution of the work be discontinued for any reason, the Contractor shall notify the RPR at least 24 hours in advance of resuming operations.

The Contractor shall not commence any actual construction prior to the date on which the NTP is issued by the Owner.

The project schedule shall be prepared as a network diagram in Critical Path Method (CPM), Program Evaluation and Review Technique (PERT), or other format, or as otherwise specified. It shall include information on the sequence of work activities, milestone dates, and activity duration. The schedule shall show all work items identified in the project proposal for each work area and shall include the project start date and end date.

The Contractor shall maintain the work schedule and provide an update and analysis of the progress schedule on a twice monthly basis, or as otherwise specified in the contract. Submission of the work schedule shall not relieve the Contractor of overall responsibility for scheduling, sequencing, and coordinating all work to comply with the requirements of the contract.

80-04 Limitation of operations. The Contractor shall control their operations and the operations of their subcontractors and all suppliers to provide for the free and unobstructed movement of aircraft in the air operations areas (AOA) of the airport. When the work requires the Contractor to conduct their operations within an AOA of the airport, the work shall be coordinated with airport operations (through the RPR) at least 48 hours prior to commencement of such work. The Contractor shall not close an AOA until so authorized by the RPR and until the necessary temporary marking, signage and associated lighting is in place as provided in Section 70, paragraph 70-08, *Construction Safety and Phasing Plan (CSPP)*.

When the contract work requires the Contractor to work within an AOA of the airport on an intermittent basis (intermittent opening and closing of the AOA), the Contractor shall maintain constant communications as specified; immediately obey all instructions to vacate the AOA; and immediately obey all instructions to resume work in such AOA. Failure to maintain the specified communications or to obey instructions shall be cause for suspension of the Contractor's operations in the AOA until satisfactory conditions are provided. The areas of the AOA identified in the Construction Safety Phasing Plan (CSPP) and as listed below, cannot be closed to operating aircraft to permit the Contractor's operations on a continuous basis and will therefore be closed to aircraft operations intermittently as follows: **None**

The Contractor shall be required to conform to safety standards contained in AC 150/5370-2, Operational Safety on Airports During Construction and the approved CSPP.

80-04.1 Operational safety on airport during construction. All Contractors' operations shall be conducted in accordance with the approved project Construction Safety and Phasing Plan (CSPP) and the Safety Plan Compliance Document (SPCD) and the provisions set forth within the current version of AC 150/5370-2, Operational Safety on Airports During Construction. The CSPP included within the contract documents conveys minimum requirements for operational safety on the airport during construction activities. The Contractor shall prepare and submit a SPCD that details how it proposes to comply with the requirements presented within the CSPP. The Contractor shall implement all necessary safety plan measures prior to commencement of any work activity. The Contractor shall conduct routine checks to assure compliance with the safety plan measures.

The Contractor is responsible to the Owner for the conduct of all subcontractors it employs on the project. The Contractor shall assure that all subcontractors are made aware of the requirements of the CSPP and SPCD and that they implement and maintain all necessary measures.

No deviation or modifications may be made to the approved CSPP and SPCD unless approved in writing by the Owner. The necessary coordination actions to review Contractor proposed modifications to an approved CSPP or approved SPCD can require a significant amount of time.

80-05 Character of workers, methods, and equipment. The Contractor shall, at all times, employ sufficient labor and equipment for prosecuting the work to full completion in the manner and time required by the contract, plans, and specifications.

All workers shall have sufficient skill and experience to perform properly the work assigned to them. Workers engaged in special work or skilled work shall have sufficient experience in such work and in the operation of the equipment required to perform the work satisfactorily.

Any person employed by the Contractor or by any subcontractor who violates any operational regulations or operational safety requirements and, in the opinion of the RPR, does not perform his work in a proper and skillful manner or is intemperate or disorderly shall, at the written request of the RPR, be removed immediately by the Contractor or subcontractor employing such person, and shall not be employed again in any portion of the work without approval of the RPR.

Should the Contractor fail to remove such person or persons, or fail to furnish suitable and sufficient personnel for the proper execution of the work, the RPR may suspend the work by written notice until compliance with such orders.

All equipment that is proposed to be used on the work shall be of sufficient size and in such mechanical condition as to meet requirements of the work and to produce a satisfactory quality of work. Equipment used on any portion of the work shall not cause injury to previously completed work, adjacent property, or existing airport facilities due to its use.

When the methods and equipment to be used by the Contractor in accomplishing the work are not prescribed in the contract, the Contractor is free to use any methods or equipment that will accomplish the work in conformity with the requirements of the contract, plans, and specifications.

When the contract specifies the use of certain methods and equipment, such methods and equipment shall be used unless otherwise authorized by the RPR. If the Contractor desires to use a method or type of equipment other than specified in the contract, the Contractor may request authority from the RPR to do so. The request shall be in writing and shall include a full description of the methods and equipment proposed and of the reasons for desiring to make the change. If approval is given, it will be on the condition that the Contractor will be fully responsible for producing work in conformity with contract requirements. If, after trial use of the substituted methods or equipment, the RPR determines that the work produced does not meet contract requirements, the Contractor shall discontinue the use of the substitute method or equipment and shall complete the remaining work with the specified methods and equipment. The Contractor shall remove any deficient work and replace it with work of specified quality, or take such other corrective action as the RPR may direct. No change will be made in basis of payment for the contract items involved nor in contract time as a result of authorizing a change in methods or equipment under this paragraph.

80-06 Temporary suspension of the work. The Owner shall have the authority to suspend the work wholly, or in part, for such period or periods the Owner may deem necessary, due to unsuitable weather, or other conditions considered unfavorable for the execution of the work, or for such time necessary due to the failure on the part of the Contractor to carry out orders given or perform any or all provisions of the contract.

In the event that the Contractor is ordered by the Owner, in writing, to suspend work for some unforeseen cause not otherwise provided for in the contract and over which the Contractor has no control, the Contractor may be reimbursed for actual money expended on the work during the period of shutdown. No allowance will be made for anticipated profits. The period of shutdown shall be computed from the effective date of the written order to suspend work to the effective date of the written order to resume the work. Claims for such compensation shall be filed with the RPR within the time period stated in the RPR's order to resume work. The Contractor shall submit with their own claim information substantiating the amount shown on the claim. The RPR will forward the Contractor's claim to the Owner for consideration in accordance with local laws or ordinances. No provision of this article shall be construed as entitling the Contractor to compensation for delays due to inclement weather or for any other delay provided for in the contract, plans, or specifications.

If it becomes necessary to suspend work for an indefinite period, the Contractor shall store all materials in such manner that they will not become an obstruction nor become damaged in any way. The Contractor shall take every precaution to prevent damage or deterioration of the work performed and provide for normal drainage of the work. The Contractor shall erect temporary structures where necessary to provide for traffic on, to, or from the airport.

80-07 Determination and extension of contract time. The number of calendar days shall be stated in the proposal and contract and shall be known as the Contract Time. If the contract time requires extension for reasons beyond the Contractor's control, it shall be adjusted as follows:

80-07.1 Contract time based on calendar days. Contract Time based on calendar days shall consist of the number of calendar days stated in the contract counting from the effective date of the Notice to Proceed and including all Saturdays, Sundays, holidays, and non-work days. All calendar days elapsing between the effective dates of the Owner's orders to suspend and resume all work, due to causes not the fault of the Contractor, shall be excluded.

At the time of final payment, the contract time shall be increased in the same proportion as the cost of the actually completed quantities bears to the cost of the originally estimated quantities in the proposal. Such increase in the contract time shall not consider either cost of work or the extension of contract time that has been covered by a change order or supplemental agreement. Charges against the contract time will cease as of the date of final acceptance.

80-08 Failure to complete on time. For each calendar day or working day, as specified in the contract, that any work remains uncompleted after the contract time (including all extensions and adjustments as provided in paragraph 80-07, *Determination and Extension of Contract Time*) the sum specified in the contract and proposal as liquidated damages (LD) will be deducted from any money due or to become due the Contractor or their own surety. Such deducted sums shall not be deducted as a penalty but shall be considered as liquidation of a reasonable portion of damages including but not limited to additional engineering services that will be incurred by the Owner should the Contractor fail to complete the work in the time provided in their contract.

The maximum construction time allowed for Schedules will be the sum of the time allowed for individual schedules but not more than 920 days. Permitting the Contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the Owner of any of its rights under the contract.

80-09 Default and termination of contract. The Contractor shall be considered in default of their contract and such default will be considered as cause for the Owner to terminate the contract for any of the following reasons, if the Contractor:

- a. Fails to begin the work under the contract within the time specified in the Notice to Proceed, or
- b. Fails to perform the work or fails to provide sufficient workers, equipment and/or materials to assure completion of work in accordance with the terms of the contract, or
- c. Performs the work unsuitably or neglects or refuses to remove materials or to perform anew such work as may be rejected as unacceptable and unsuitable, or
- d. Discontinues the execution of the work, or
- e. Fails to resume work which has been discontinued within a reasonable time after notice to do so, or
- f. Becomes insolvent or is declared bankrupt, or commits any act of bankruptcy or insolvency, or
- g. Allows any final judgment to stand against the Contractor unsatisfied for a period of 10 days, or
- h. Makes an assignment for the benefit of creditors, or
- i. For any other cause whatsoever, fails to carry on the work in an acceptable manner.

Should the Owner consider the Contractor in default of the contract for any reason above, the Owner shall immediately give written notice to the Contractor and the Contractor's surety as to the reasons for considering the Contractor in default and the Owner's intentions to terminate the contract.

If the Contractor or surety, within a period of 10 days after such notice, does not proceed in accordance therewith, then the Owner will, upon written notification from the RPR of the facts of such delay, neglect, or default and the Contractor's failure to comply with such notice, have full power and authority without violating the contract, to take the execution of the work out of the hands of the Contractor. The Owner may appropriate or use any or all materials and equipment that have been mobilized for use in the work and are acceptable and may enter into an agreement for the completion of said contract according to the terms and provisions thereof, or use such other methods as in the opinion of the RPR will be required for the completion of said contract in an acceptable manner.

All costs and charges incurred by the Owner, together with the cost of completing the work under contract, will be deducted from any monies due or which may become due the Contractor. If such expense exceeds the sum which would have been payable under the contract, then the Contractor and the surety shall be liable and shall pay to the Owner the amount of such excess.

80-10 Termination for national emergencies. The Owner shall terminate the contract or portion thereof by written notice when the Contractor is prevented from proceeding with the construction contract as a direct result of an Executive Order of the President with respect to the execution of war or in the interest of national defense.

When the contract, or any portion thereof, is terminated before completion of all items of work in the contract, payment will be made for the actual number of units or items of work completed at the contract price or as mutually agreed for items of work partially completed or not started. No claims or loss of anticipated profits shall be considered.

Reimbursement for organization of the work, and other overhead expenses, (when not otherwise included in the contract) and moving equipment and materials to and from the job will be considered, the intent being that an equitable settlement will be made with the Contractor. Acceptable materials, obtained or ordered by the Contractor for the work and that are not incorporated in the work shall, at the option of the Contractor, be purchased from the Contractor at actual cost as shown by receipted bills and actual cost records at such points of delivery as may be designated by the RPR.

Termination of the contract or a portion thereof shall neither relieve the Contractor of their responsibilities for the completed work nor shall it relieve their surety of its obligation for and concerning any just claim arising out of the work performed.

80-11 Work area, storage area and sequence of operations. The Contractor shall obtain approval from the RPR prior to beginning any work in all areas of the airport. No operating runway, taxiway, or air operations area (AOA) shall be crossed, entered, or obstructed while it is operational. The Contractor shall plan and coordinate work in accordance with the approved CSPP and SPCD.

END OF SECTION 80

Section 90

Measurement and Payment

90-01 Measurement of quantities. All work completed under the contract will be measured by the RPR, or their authorized representatives, using United States Customary Units of Measurement.

The method of measurement and computations to be used in determination of quantities of

material furnished and of work performed under the contract will be those methods generally recognized as conforming to good engineering practice.

Unless otherwise specified, longitudinal measurements for area computations will be made horizontally, and no deductions will be made for individual fixtures (or leave-outs) having an area of 9 square feet (0.8 square meters) or less. Unless otherwise specified, transverse measurements for area computations will be the neat dimensions shown on the plans or ordered in writing by the RPR.

Unless otherwise specified, all contract items which are measured by the linear foot such as electrical ducts, conduits, pipe culverts, underdrains, and similar items shall be measured parallel to the base or foundation upon which such items are placed.

The term "lump sum" when used as an item of payment will mean complete payment for the work described in the contract. When a complete structure or structural unit (in effect, "lump sum" work) is specified as the unit of measurement, the unit will be construed to include all necessary fittings and accessories.

When requested by the Contractor and approved by the RPR in writing, material specified to be measured by the cubic yard (cubic meter) may be weighed, and such weights will be converted to cubic yards (cubic meters) for payment purposes. Factors for conversion from weight measurement to volume measurement will be determined by the RPR and shall be agreed to by the Contractor before such method of measurement of pay quantities is used.

Measurement and Payment Terms

| Term | Description |
|---|---|
| Excavation and Embankment Volume | In computing volumes of excavation, the average end area method will be used unless otherwise specified. |
| Measurement and Proportion by Weight | The term "ton" will mean the short ton consisting of 2,000 pounds (907 kg) avoirdupois. All materials that are measured or proportioned by weights shall be weighed on accurate, independently certified scales by competent, qualified personnel at locations designated by the RPR. If material is shipped by rail, the car weight may be accepted provided that only the actual weight of material is paid for. However, car weights will not be acceptable for material to be passed through mixing plants. Trucks used to haul material being paid for by weight shall be weighed empty daily at such times as the RPR directs, and each truck shall bear a plainly legible identification mark. |
| Measurement by Volume | Materials to be measured by volume in the hauling vehicle shall be hauled in approved vehicles and measured therein at the point of delivery. Vehicles for this purpose may be of any size or type acceptable for the materials hauled, provided that the body is of such shape that the actual contents may be readily and accurately determined. All vehicles shall be loaded to at least their water level capacity, and all loads shall be leveled when the vehicles arrive at the point of delivery. |
| Asphalt Material | Asphalt materials will be measured by the gallon (liter) or ton (kg). When |

| Term | Description |
|----------------------------|--|
| | measured by volume, such volumes will be measured at 60°F (16°C) or will be corrected to the volume at 60°F (16°C) using ASTM D1250 for asphalts. Net certified scale weights or weights based on certified volumes in the case of rail shipments will be used as a basis of measurement, subject to correction when asphalt material has been lost from the car or the distributor, wasted, or otherwise not incorporated in the work. When asphalt materials are shipped by truck or transport, net certified weights by volume, subject to correction for loss or foaming, will be used for computing quantities. |
| Cement | Cement will be measured by the ton (kg) or hundredweight (km). |
| Structure | Structures will be measured according to neat lines shown on the plans or as altered to fit field conditions. |
| Timber | Timber will be measured by the thousand feet board measure (MFBM) actually incorporated in the structure. Measurement will be based on nominal widths and thicknesses and the extreme length of each piece. |
| Plates and Sheets | The thickness of plates and galvanized sheet used in the manufacture of corrugated metal pipe, metal plate pipe culverts and arches, and metal cribbing will be specified and measured in decimal fraction of inch. |
| Miscellaneous Items | When standard manufactured items are specified such as fence, wire, plates, rolled shapes, pipe conduit, etc., and these items are identified by gauge, unit weight, section dimensions, etc., such identification will be considered to be nominal weights or dimensions. Unless more stringently controlled by tolerances in cited specifications, manufacturing tolerances established by the industries involved will be accepted. |
| Scales | <p>Scales must be tested for accuracy and serviced before use. Scales for weighing materials which are required to be proportioned or measured and paid for by weight shall be furnished, erected, and maintained by the Contractor, or be certified permanently installed commercial scales. Platform scales shall be installed and maintained with the platform level and rigid bulkheads at each end.</p> <p>Scales shall be accurate within 0.5% of the correct weight throughout the range of use. The Contractor shall have the scales checked under the observation of the RPR before beginning work and at such other times as requested. The intervals shall be uniform in spacing throughout the graduated or marked length of the beam or dial and shall not exceed 0.1% of the nominal rated capacity of the scale, but not less than one pound (454 grams). The use of spring balances will not be permitted. In the event inspection reveals the scales have been "overweighing" (indicating more than correct weight) they will be immediately adjusted. All materials received subsequent to the last previous correct weighting-accuracy test will be reduced by the percentage of error in excess of 0.5%.</p> <p>In the event inspection reveals the scales have been under-weighing (indicating less than correct weight), they shall be immediately adjusted. No additional payment to the Contractor will be allowed for materials previously weighed and recorded.</p> <p>Beams, dials, platforms, and other scale equipment shall be so arranged</p> |

| Term | Description |
|-------------------------|---|
| | <p>that the operator and the RPR can safely and conveniently view them. Scale installations shall have available ten standard 50-pound (2.3 km) weights for testing the weighing equipment or suitable weights and devices for other approved equipment.</p> <p>All costs in connection with furnishing, installing, certifying, testing, and maintaining scales; for furnishing check weights and scale house; and for all other items specified in this subsection, for the weighing of materials for proportioning or payment, shall be included in the unit contract prices for the various items of the project.</p> |
| Rental Equipment | <p>Rental of equipment will be measured by time in hours of actual working time and necessary traveling time of the equipment within the limits of the work. Special equipment ordered in connection with extra work will be measured as agreed in the change order or supplemental agreement authorizing such work as provided in paragraph 90-05 <i>Payment for Extra Work</i>.</p> |
| Pay Quantities | <p>When the estimated quantities for a specific portion of the work are designated as the pay quantities in the contract, they shall be the final quantities for which payment for such specific portion of the work will be made, unless the dimensions of said portions of the work shown on the plans are revised by the RPR. If revised dimensions result in an increase or decrease in the quantities of such work, the final quantities for payment will be revised in the amount represented by the authorized changes in the dimensions.</p> |

90-02 Scope of payment. The Contractor shall receive and accept compensation provided for in the contract as full payment for furnishing all materials, for performing all work under the contract in a complete and acceptable manner, and for all risk, loss, damage, or expense of whatever character arising out of the nature of the work or the execution thereof, subject to the provisions of Section 70, paragraph 70-18, *No Waiver of Legal Rights*.

When the “basis of payment” subsection of a technical specification requires that the contract price (price bid) include compensation for certain work or material essential to the item, this same work or material will not also be measured for payment under any other contract item which may appear elsewhere in the contract, plans, or specifications.

90-03 Compensation for altered quantities. When the accepted quantities of work vary from the quantities in the proposal, the Contractor shall accept as payment in full, so far as contract items are concerned, payment at the original contract price for the accepted quantities of work actually completed and accepted. No allowance, except as provided for in Section 40, paragraph 40-02, *Alteration of Work and Quantities*, will be made for any increased expense, loss of expected reimbursement, or loss of anticipated profits suffered or claimed by the Contractor which results directly from such alterations or indirectly from their own unbalanced allocation of overhead and profit among the contract items, or from any other cause.

90-04 Payment for omitted items. As specified in Section 40, paragraph 40-03, *Omitted Items*, the RPR shall have the right to omit from the work (order nonperformance) any contract item,

except major contract items, in the best interest of the Owner.

Should the RPR omit or order nonperformance of a contract item or portion of such item from the work, the Contractor shall accept payment in full at the contract prices for any work actually completed and acceptable prior to the RPR's order to omit or non-perform such contract item. Acceptable materials ordered by the Contractor or delivered on the work prior to the date of the RPR's order will be paid for at the actual cost to the Contractor and shall thereupon become the property of the Owner.

In addition to the reimbursement hereinbefore provided, the Contractor shall be reimbursed for all actual costs incurred for the purpose of performing the omitted contract item prior to the date of the RPR's order. Such additional costs incurred by the Contractor must be directly related to the deleted contract item and shall be supported by certified statements by the Contractor as to the nature the amount of such costs.

90-05 Payment for extra work. Extra work, performed in accordance with Section 40, paragraph 40-04, *Extra Work*, will be paid for at the contract prices or agreed prices specified in the change order or supplemental agreement authorizing the extra work.

90-06 Partial payments. Partial payments will be made to the Contractor at least once each month as the work progresses. Said payments will be based upon estimates, prepared by the RPR, of the value of the work performed and materials complete and in place, in accordance with the contract, plans, and specifications. Such partial payments may also include the delivered actual cost of those materials stockpiled and stored in accordance with paragraph 90-07, *Payment for Materials on Hand*. No partial payment will be made when the amount due to the Contractor since the last estimate amounts to less than five hundred dollars.

Option 1: The Owner may decline to hold retainage from prime Contractors and prohibit prime Contractors from holding retainage from subcontractors. Insert this clause if Option 1 is selected:

- a. Retainage will not be withheld on this project. No retainage will be withheld by the Owner from progress payments due the prime Contractor. Retainage by the prime or subcontractors is prohibited, and no retainage will be held by the prime from progress due subcontractors.
- b. The Contractor is required to pay all subcontractors for satisfactory performance of their contracts no later than 30 days after the Contractor has received a partial payment. A subcontractor's work is satisfactorily completed when all the tasks called for in the subcontract have been accomplished and documented as required by the Owner. When the Owner has made an incremental acceptance of a portion of a prime contract, the work of a subcontractor covered by that acceptance is deemed to be satisfactorily completed.
- c. When at least 95% of the project work has been completed to the satisfaction of the RPR, the RPR shall, at the Owner's discretion and with the consent of the surety, prepare estimates of both the contract value and the cost of the remaining work to be done.

Option 2: The Owner may decline to hold retainage from prime Contractors and require a contract clause obligating prime Contractors to make prompt and full payment of any

retainage kept by prime Contractor to the subcontractor within 30 days after the subcontractor's work is satisfactorily completed. Insert this clause if Option 2 is selected:

- a. No retainage will be held by the Owner from progress payments due the prime.
- b. The Contractor is required to pay all subcontractors for satisfactory performance of their contracts no later than 30 days after the Contractor has received a partial payment. Contractor must provide the Owner evidence of prompt and full payment of retainage held by the prime Contractor to the subcontractor within 30 days after the subcontractor's work is satisfactorily completed. A subcontractor's work is satisfactorily completed when all the tasks called for in the subcontract have been accomplished and documented as required by the Owner. When the Owner has made an incremental acceptance of a portion of a prime contract, the work of a subcontractor covered by that acceptance is deemed to be satisfactorily completed.
- c. When at least 95% of the project work has been completed to the satisfaction of the RPR, the RPR shall, at the Owner's discretion and with the consent of the surety, prepare estimates of both the contract value and the cost of the remaining work to be done.

Option 3: The Owner may hold retainage from prime Contractors and provide for prompt and regular incremental acceptances of portions of the prime contract, pay retainage to prime Contractors based on these acceptances, and require a contract clause obligating the prime Contractor to pay all retainage owed to the subcontractor for satisfactory completion of the accepted work within 30 days after the Owner's payment to the prime Contractor. If Option 3 is selected, the percent withheld may range from 0% to 10% but in no case may it exceed 10%. When establishing a suitable retainage value that protects the Owner's interests, give consideration that the performance and payment bonds also provide similar protection of Owner interests. Owner may elect to incrementally release retainage if owner is satisfied its interest with completion of the project are protected in an adequate manner. If Option 3 is selected, insert the following clause and specify a suitable value where indicated:

- a. From the total of the amount determined to be payable on a partial payment, not to exceed 10% percent of such total amount will be deducted and retained by the Owner for protection of the Owner's interests. Unless otherwise instructed by the Owner, the amount retained by the Owner will be in effect until the final payment is made except as follows:

- (1) Contractor may request release of retainage on work that has been partially accepted by the Owner in accordance with Section 50-03. Contractor must provide a certified invoice to the RPR that supports the value of retainage held by the Owner for partially accepted work.

- (2) In lieu of retainage, the Contractor may exercise at its option the establishment of an escrow account per paragraph 90-08.

- b. The Contractor is required to pay all subcontractors for satisfactory performance of their contracts no later than 30 days after the Contractor has received a partial payment. Contractor must provide the Owner evidence of prompt and full payment of retainage held by the prime Contractor to the subcontractor within 30 days after the subcontractor's work is satisfactorily completed. A subcontractor's work is satisfactorily completed when all the tasks called for in the subcontract have been accomplished and

documented as required by the Owner. When the Owner has made an incremental acceptance of a portion of a prime contract, the work of a subcontractor covered by that acceptance is deemed to be satisfactorily completed.

c. When at least 95% of the work has been completed to the satisfaction of the RPR, the RPR shall, at the Owner's discretion and with the consent of the surety, prepare estimates of both the contract value and the cost of the remaining work to be done. The Owner may retain an amount not less than twice the contract value or estimated cost, whichever is greater, of the work remaining to be done. The remainder, less all previous payments and deductions, will then be certified for payment to the Contractor.

It is understood and agreed that the Contractor shall not be entitled to demand or receive partial payment based on quantities of work in excess of those provided in the proposal or covered by approved change orders or supplemental agreements, except when such excess quantities have been determined by the RPR to be a part of the final quantity for the item of work in question.

No partial payment shall bind the Owner to the acceptance of any materials or work in place as to quality or quantity. All partial payments are subject to correction at the time of final payment as provided in paragraph 90-09, *Acceptance and Final Payment*.

The Contractor shall deliver to the Owner a complete release of all claims for labor and material arising out of this contract before the final payment is made. If any subcontractor or supplier fails to furnish such a release in full, the Contractor may furnish a bond or other collateral satisfactory to the Owner to indemnify the Owner against any potential lien or other such claim. The bond or collateral shall include all costs, expenses, and attorney fees the Owner may be compelled to pay in discharging any such lien or claim.

90-07 Payment for materials on hand. Partial payments may be made to the extent of the delivered cost of materials to be incorporated in the work, provided that such materials meet the requirements of the contract, plans, and specifications and are delivered to acceptable sites on the airport property or at other sites in the vicinity that are acceptable to the Owner. Such delivered costs of stored or stockpiled materials may be included in the next partial payment after the following conditions are met:

a. The material has been stored or stockpiled in a manner acceptable to the RPR at or on an approved site.

b. The Contractor has furnished the RPR with acceptable evidence of the quantity and quality of such stored or stockpiled materials.

c. The Contractor has furnished the RPR with satisfactory evidence that the material and transportation costs have been paid.

d. The Contractor has furnished the Owner legal title (free of liens or encumbrances of any kind) to the material stored or stockpiled.

e. The Contractor has furnished the Owner evidence that the material stored or stockpiled is insured against loss by damage to or disappearance of such materials at any time prior to use in the work.

It is understood and agreed that the transfer of title and the Owner's payment for such stored or

stockpiled materials shall in no way relieve the Contractor of their responsibility for furnishing and placing such materials in accordance with the requirements of the contract, plans, and specifications.

In no case will the amount of partial payments for materials on hand exceed the contract price for such materials or the contract price for the contract item in which the material is intended to be used.

No partial payment will be made for stored or stockpiled living or perishable plant materials. The Contractor shall bear all costs associated with the partial payment of stored or stockpiled materials in accordance with the provisions of this paragraph.

90-08 Payment of withheld funds. At the Contractor's option, if an Owner withholds retainage in accordance with the methods described in paragraph 90-06 *Partial Payments*, the Contractor may request that the Owner deposit the retainage into an escrow account. The Owner's deposit of retainage into an escrow account is subject to the following conditions:

a. The Contractor shall bear all expenses of establishing and maintaining an escrow account and escrow agreement acceptable to the Owner.

b. The Contractor shall deposit to and maintain in such escrow only those securities or bank certificates of deposit as are acceptable to the Owner and having a value not less than the retainage that would otherwise be withheld from partial payment.

c. The Contractor shall enter into an escrow agreement satisfactory to the Owner.

d. The Contractor shall obtain the written consent of the surety to such agreement.

90-09 Acceptance and final payment. When the contract work has been accepted in accordance with the requirements of Section 50, paragraph 50-15, *Final Acceptance*, the RPR will prepare the final estimate of the items of work actually performed. The Contractor shall approve the RPR's final estimate or advise the RPR of the Contractor's objections to the final estimate which are based on disputes in measurements or computations of the final quantities to be paid under the contract as amended by change order or supplemental agreement. The Contractor and the RPR shall resolve all disputes (if any) in the measurement and computation of final quantities to be paid within 30 calendar days of the Contractor's receipt of the RPR's final estimate. If, after such 30-day period, a dispute still exists, the Contractor may approve the RPR's estimate under protest of the quantities in dispute, and such disputed quantities shall be considered by the Owner as a claim in accordance with Section 50, paragraph 50-16, *Claims for Adjustment and Disputes*.

After the Contractor has approved, or approved under protest, the RPR's final estimate, and after the RPR's receipt of the project closeout documentation required in paragraph 90-11, *Contractor Final Project Documentation*, final payment will be processed based on the entire sum, or the undisputed sum in case of approval under protest, determined to be due the Contractor less all previous payments and all amounts to be deducted under the provisions of the contract. All prior partial estimates and payments shall be subject to correction in the final estimate and payment.

If the Contractor has filed a claim for additional compensation under the provisions of Section 50, paragraph 50-16, *Claims for Adjustments and Disputes*, or under the provisions of this paragraph, such claims will be considered by the Owner in accordance with local laws or

ordinances. Upon final adjudication of such claims, any additional payment determined to be due the Contractor will be paid pursuant to a supplemental final estimate.

90-10 Construction warranty.

a. In addition to any other warranties in this contract, the Contractor warrants that work performed under this contract conforms to the contract requirements and is free of any defect in equipment, material, workmanship, or design furnished, or performed by the Contractor or any subcontractor or supplier at any tier.

b. This warranty shall continue for a period of one year from the date of final acceptance of the work, except as noted. If the Owner takes possession of any part of the work before final acceptance, this warranty shall continue for a period of one year from the date the Owner takes possession. However, this will not relieve the Contractor from corrective items required by the final acceptance of the project work. Light Emitting Diode emitting diode (LED) light fixtures with the exception of obstruction lighting, must be warranted by the manufacturer for a minimum of four (4) years after date of installation inclusive of all electronics.

c. The Contractor shall remedy at the Contractor's expense any failure to conform, or any defect. In addition, the Contractor shall remedy at the Contractor's expense any damage to Owner real or personal property, when that damage is the result of the Contractor's failure to conform to contract requirements; or any defect of equipment, material, workmanship, or design furnished by the Contractor.

d. The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for one year from the date of repair or replacement.

e. The Owner will notify the Contractor, in writing, within seven (7) days after the discovery of any failure, defect, or damage.

f. If the Contractor fails to remedy any failure, defect, or damage within 14 days after receipt of notice, the Owner shall have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Contractor's expense.

g. With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this contract, the Contractor shall: (1) Obtain all warranties that would be given in normal commercial practice; (2) Require all warranties to be executed, in writing, for the benefit of the Owner, as directed by the Owner, and (3) Enforce all warranties for the benefit of the Owner.

h. This warranty shall not limit the Owner's rights with respect to latent defects, gross mistakes, or fraud.

90-11 Contractor Final Project Documentation. Approval of final payment to the Contractor is contingent upon completion and submittal of the items listed below. The final payment will not be approved until the RPR approves the Contractor's final submittal. The Contractor shall:

a. Provide two (2) copies of all manufacturer's warranties specified for materials, equipment, and installations.

b. Provide weekly payroll records (not previously received) from the general Contractor and all subcontractors.

c. Complete final cleanup in accordance with Section 40, paragraph 40-08, *Final Cleanup*.

d. Complete all punch list items identified during the Final Inspection.

- e. Provide complete release of all claims for labor and material arising out of the Contract.
- f. Provide a certified statement signed by the subcontractors, indicating actual amounts paid to the Disadvantaged Business Enterprise (DBE) subcontractors and/or suppliers associated with the project.
- g. When applicable per state requirements, return copies of sales tax completion forms.
- h. Manufacturer's certifications for all items incorporated in the work.
- i. All required record drawings, as-built drawings or as-constructed drawings.
- j. Project Operation and Maintenance (O&M) Manual(s).
- k. Security for Construction Warranty.
- l. Equipment commissioning documentation submitted, if required.

END OF SECTION 90

END OF DOCUMENT

Document 00800

SUPPLEMENTARY CONDITIONS

The following Paragraphs amend and supplement the August 31, 2023, edition of the General Conditions. Unaltered portions of General Conditions remain in effect.

ARTICLE 1 - GENERAL PROVISIONS:

1.1 *DEFINITIONS: Insert the following Paragraphs 1.1.9.1, 1.1.23, and 1.1.25, and reorder the remaining definitions accordingly. Please insert the amended definition of "Specifications".*

1.1.9.1 The firm of N/A has been employed by the City as Construction Manager for the Work.

1.1.23 *Good Faith Efforts:* Steps taken to achieve an MBE, WBE, SBE, or PDBE goal or other requirements which, by their scope, intensity, and usefulness, demonstrate the bidder's responsiveness to fulfill the business opportunity objective, as well as the Contractor's responsibility to put forth measures to meet or exceed the MBE, WBE, SBE, or PDBE goal (Contract Goal). These steps apply from before a contract's award, through its duration, and after its conclusion, in the event the Contractor has been unsuccessful in meeting the Contract Goal. These efforts are required whether a Goal Oriented Contract or a Regulated Contract, as defined in the Office of Business Opportunity's Policy & Procedures Manual, available at <http://www.houstontx.gov/obo>.

1.1.25 *Incidental Work:* Work described as incidental shall be work defined in Document 01110 - Summary of Work, that do not have a direct pay item listed in the Document 00410B - Bid Form Part B, or less than 1% of the Contract Price and not capable of being measured. If Work is identified as Incidental Work and also covered by Bid Form Part B quantities, then the unit price item quantities in the Bid Form Part B shall govern.

1.1.45 *Specifications:* Divisions 01 through 16 of the documents that are incorporated into the Agreement, consisting of written General Requirements and requirements for Products, standards, and workmanship for the Work, and performance of related services. All specifications are amended to include, under the Measurement and Payment Section, the following sentence: "Work described as Incidental Work shall not be paid as a separate unit price item."

ARTICLE 3 - THE CONTRACTOR

3.5 *LABOR; MINORITY AND WOMEN BUSINESS ENTERPRISE COMPLIANCE:*
Insert the following Paragraphs, 3.5.3.1, 3.5.3.2, and 3.5.3.3.

3.5.3.1 If the Original Contract Price is greater than One Million Dollars, Contractor shall make Good Faith Efforts to comply with the City ordinances regarding Minority Business

Enterprises (MBE), Women Business Enterprises (WBE), Persons with Disabilities Business Enterprises (PDBE) and Small Business Enterprise (SBE) participation goals which are as follows:

- 3.5.3.1.1 the MBE goal is N/A percent,
- 3.5.3.1.2 the WBE goal is N/A percent, and
- 3.5.3.1.3 the PDBE goal is N/A percent.
- 3.5.3.1.4 Up to 50% of the advertised goal may be met at the Prime level if the Prime is a City-certified firm. The bidder must select one (1) certification type for Prime level credit. Prime level participation percentage must not exceed the individual MBE or WBE advertised goal. Prime level credit does not apply to SBE-certified firms.
- 3.5.3.1.5 On a subcontracting level only, the bidder may substitute SBE participation of no more than four percent of the MBE goal, the WBE goal, or portions of the MBE goal and WBE goal.
- 3.5.3.1.6 The bidder may not use Native-American-owned firms that are certified as MBEs to meet MBE contract goals. Native-Americans firms can only be used as SBEs in fulfillment of the above stated goals.
- 3.5.3.1.7 The bidder may not use MWSBE Suppliers to account for more than 50% of the MWSBE participation plan.

3.5.3.2 The MBE, WBE, PDBE, and SBE goals are specific to this Agreement. The Contractor shall make reasonable efforts to achieve these goals.

3.5.3.3 Failure by Contractor to comply with the goals for MBE, WBE, SBE, or PDBE is a material breach of the Agreement, which may result in termination of the Agreement, or such other remedy permitted as the City deems appropriate.

ARTICLE 8 - TIME

8.1 *PROGRESS AND COMPLETION: Add the following Paragraph 8.1.6.1.*

8.1.6.1 Contractor shall credit the City by Change Order for inspection services for overtime work or work performed on Sundays or Legal Holidays. The amount Contractor credits the City will be actual costs per inspector for inspection services.

ARTICLE 9 - PAYMENTS AND COMPLETION

9.12 *LIQUIDATED DAMAGES: Insert the following Paragraph 9.12.1.1.*

9.12.1.1 The amount of liquidated damages payable by Contractor or Surety for each and every day of delay beyond Contract Time, are \$1200.00 per day.

ARTICLE 11 - INSURANCE AND BONDS

**TABLE 1
 REQUIRED COVERAGES**

| (Coverage) | (Limit of Liability) |
|---|--|
| .1 Workers' Compensation | Statutory Limits for Workers' Compensation |
| .2 Employer's Liability | Bodily Injury by Accident \$1,000,000 (each accident) Bodily Injury by Disease \$1,000,000 (policy limit) Bodily Injury by Disease \$1,000,000 (each employee) |
| .3 Commercial General Liability: Including Contractor's Protective, Broad Form Property Damage, Contractual Liability, Explosion, Underground and Collapse, Bodily Injury, Personal Injury, Products, and Completed Operations (for a period of one year following completion of the Work) and property damage coverage for aircraft located on airport property. | Combined single limit of \$1,000,000 (each occurrence), subject to general aggregate of \$2,000,000; Products and Completed Operations \$1,000,000 aggregate. |
| .4 Owner's and Contractor's Protective Liability | \$1,000,000 combined single limit each Occurrence/aggregate |
| .5 Installation Floater (Unless alternative coverage by City Attorney) | Value of stored equipment or material, listed on Certificates of Payments, but not yet incorporated into the Work |
| .6 Automobile Liability Insurance: (For automobiles furnished by Contractor in course of his performance under the Contract, including Owned, Non-owned, and Hired Auto coverage) | \$1,000,000 combined single limit each occurrence for (1) Any Auto or (2) All Owned, Hired, and Non-Owned Autos. \$10,000,000 for runway, taxiway, ramp, apron or in vicinity of aircraft projects. |
| .7 Excess Coverage (This coverage is not required if 8(c) below is required) | \$1,000,000 each occurrence/combined aggregate in excess of limits specified for Employer's Liability, Commercial General Liability, and Automobile Liability |
| .8 Optional Coverages | (Required when checked) |
| <u> X </u> (a) Contractor's Pollution Liability including pollution coverage for Contractual Liability, Clean-up costs, Abatement, Transport and Non-owned disposal sites. Including Bodily Injury Liability, Property Damage Liability and environmental damage arising from pollution conditions caused in performance of operations. Include Asbestos and Lead if part of operations. (MCS-90 endorsement: To Auto Policy and removal of Pollution Exclusion) | \$1,000,000 each occurrence \$1,000,000 CSL |

| | |
|--|--|
| <p><u>X</u> (b) Property & Casualty Coverage: "All Causes of Loss" Builders Risk Form for directing physical change to building or plant construction on Work site and/or all land improvements including all work. [Including but not limited to earthquake, flood, boiler and machinery--including testing, damage to existing or adjoining property, time element coverage, collapse, soft costs (management, architecture, financial costs, pre-opening costs, etc.), transit coverage, off-site storage].</p> | <p>100% Contract price, including all change orders.</p> |
| <p><u>X</u> (c) Increased Excess Coverage</p> | <p>\$10,000,000 each occurrence aggregate in excess of limits specified for Employer's Liability, Commercial General Liability, and Automotive Liability</p> |
| <p>*Defense costs are excluded from face amount of policy. Aggregate Limits are per 12-month policy period unless otherwise indicated.</p> <p>*Use Builder's Risk insurance for projects that include lift stations, plant or facility work. Include Building Wage rates in the project manual.</p> <p>*Flood Hazard Insurance: Contractor shall apply for flood insurance on all insurable structures built under the Contract. A copy of the completed application must be provided to City Engineer before commencing construction of the Work. Contractor shall obtain flood hazard insurance as soon as possible and submit a copy of the policy to City Engineer. Use Flood Hazard Insurance only for projects that include structures. Do not include Flood Insurance for line projects, projects outside of the 100-year floodplain, or projects with structures less than \$10,000 in value.</p> | |

11.2 **INSURANCE TO BE PROVIDED BY CONTRACTOR:** *Insert the following Paragraph 11.2.1.2., and Table 2, "Additional Required Coverage".*

11.2.1.2 Contractor shall purchase for the duration of the Contract the insurance set out in Table 2 in addition to the minimum insurance coverage set out in section 11.2.1.

TABLE 2
ADDITIONAL REQUIRED COVERAGE
 DEFENSE COSTS EXCLUDED FROM FACE AMOUNT OF POLICY.

| <u>(Coverage)</u> | <u>(Limit of Liability)</u> |
|--|---|
| Property and Casualty Coverage: "All Causes of Loss" Builder's Risk Form for directing physical change to building or plant construction on the Work site and/or all land improvements including all work. (Including but not limited to earthquake, flood, boiler, and machinery including testing, damage to existing or adjoining property, time element | 100% of Contract Price, including change orders |

coverage, collapse, soft costs (management, architecture, financial costs, pre-opening costs, etc.), transit coverage, off-site storage).

Flood Hazard Insurance: Contractor shall apply for flood insurance on all insurable structures built under the Contract. A copy of the completed application must be provided to City Engineer before commencing construction of the Work. Contractor shall obtain flood hazard insurance as soon as possible and submit a copy of the policy to City Engineer.

Contractor's Pollution Liability: \$1,000,000 each occurrence
Including pollution coverage for Contractual Liability, Clean-up costs, Abatement, Transport, and Non-owned disposal sites. Including Bodily Injury Liability, Property Damage Liability, and environmental damage arising from pollution conditions caused in performance of operations. Including Asbestos and Lead if part of operations.

(MCS - 90 endorsement to Auto Policy and removal of Pollution Exclusion) \$1,000,000
CSL

11.5 *MAINTENANCE BONDS: Insert the following Paragraph 11.5.2.*

11.5.2 One-year Surface Correction Bond: Contractor shall provide, on the City standard form, an additional One-Year Bond in an amount equal to four percent of the Original Contract Price or cost of repair. Bond shall provide for Contractor's correction, replacement, or restoration of backfill or subsurface and surface work not in accordance with the Contract, within one year from the date the One-Year Maintenance Bond has expired.

END OF DOCUMENT

DOCUMENT 00801

SUPPLEMENTARY CONDITIONS FOR PROJECT FUNDED BY AIP GRANT

The following supplements modify Document 00700 - General Conditions, August 7, 2023 Edition, and Document 00800- Supplementary Conditions. Where a portion of the General and Supplementary Conditions is modified or deleted by these Supplementary Conditions for Project Funded by AIP Grant, the unaltered portions of the General and Supplementary Conditions shall remain in effect. In case of conflicts with corresponding provisions of other Contract Documents, the provisions of this Document 00801 govern.

GENERAL:

1. Requirements for acceptance testing specified in Sections in Divisions 2 through 16 shall be accomplished following Section 01455 - City's Acceptance Testing and Section 01457 - Estimating Percentage of Product Within Specification Limits.

ARTICLE 2 - OWNER:

Add the following:

"2.6 Federal Aid Participation

2.6.1 For Airport Improvement Program (AIP) contracts, the United States Government has agreed to reimburse City for some portion of the contract costs. Such reimbursement is made from time to time upon City's request to FAA. In consideration of the United States Government's (FAA's) agreement with City, City has included provisions in this contract pursuant to the requirements of the Airport Improvement Act of 1982, as amended by the Airport and Airway Safety and Capacity Expansion Act of 1987, and the Rules and Regulations of FAA that pertain to the Work.

2.6.2 As required by the Act, the Work is subject to inspection and approval of duly authorized representatives of the Administrator, FAA, and is further subject to those provisions of the rules and regulations that are cited in the Contract Documents.

2.6.3 No requirement of the Act, the rules and regulations implementing the Act, or this contract shall be construed as making the Federal Government a party to the contract nor will any such requirement interfere, in any way, with the rights of City or Contractor to the contract."

ARTICLE 3 - CONTRACTOR

Delete article 3.5.3 and replace with the following:

"3.5.3 City has established a Disadvantaged Business Enterprise (DBE) program in accordance with regulations of the U.S. Department of Transportation (DOT), 49 CFR Part 26 and City Ordinance No. 99-893 . City has received Federal financial assistance from the DOT and as a condition of receiving this assistance, City has signed an assurance that it will comply with 49 CFR Part 26. It is the policy of the DOT and City to ensure that DBEs as defined in Part 26, have an equal opportunity to receive and participate in DOT-assisted contracts. It is also their policy:

- a. To ensure nondiscrimination in the award and administration of DOT-assisted contracts;
- b. To create a level playing field on which DBEs can compete fairly for DOT-assisted contracts;

- c. To ensure that the DBE Program is narrowly tailored in accordance with applicable law;
- d. To ensure that only firms that fully meet 49 CFR Part 26 eligibility standards are permitted to participate as DBEs;
- e. To help remove barriers to the participation of DBEs in DOT-assisted contracts;
- f. To assist the development of firms that can compete successfully in the market place outside the DBE Program; and
- g. To provide appropriate flexibility to recipients of federal financial assistance in establishing and providing opportunities for DBEs.

The Director of the City's Office of Business Opportunity (OBO) is the DBE Liaison Officer. In that capacity, s/he is responsible for implementing all aspects of the DBE program. Implementation of the DBE program is accorded the same priority as compliance with all other legal obligations incurred by City in its financial assistance agreements with the DOT.

DBE Obligation. City will never exclude any person from participation in, deny any person the benefits of, or otherwise discriminate against anyone in connection with the award and performance of any contract covered by 49 CFR Part 26 on the basis of race, color, sex, or national origin.

In administering its DBE program, City will not, directly or through contractual or other arrangements, use criteria or methods of administration that have the effect of defeating or substantially impairing accomplishment of the objectives of the DBE program with respect to individuals of a particular race, color, sex, or national origin.

Contract Goal. All bidders and proposers shall make Good Faith Efforts, as defined in 49 CFR Part 26, to subcontract 8% of the dollar value of the prime contract to Disadvantaged Business Enterprises at least 51% owned by one or more individuals who are both socially and economically disadvantaged or, in the case of a corporation, in which 51% of the stock is owned by one or more such individuals, and whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it. "Socially and economically disadvantaged individual" means a U.S. Citizen (or a lawfully admitted permanent resident of the United States) who is:

- a. Any individual who the City finds to be socially and economically disadvantaged on a case-by-case basis.
- b. Any individual in the following groups, members of which are rebuttably presumed to be socially and economically disadvantaged:
 - (1) "Black Americans,"
 - (2) "Hispanic Americans,"
 - (3) "Native Americans,"
 - (4) "Asian-Pacific Americans,"
 - (5) "Subcontinent Asian-Americans,"
 - (6) "Women," or

- (7) Any additional groups whose members are designated as socially and economically disadvantaged by the SBA, at such time as the SBA designation becomes effective.

The low Bidder will be required to submit information concerning the DBEs including the DBE prime contractor, if any, that will participate in this Contract. The information shall include the name and address of each DBE, a description of the work to be performed by each named firm, the dollar value of the Contract or Subcontract, Bidder's written commitment to use such DBEs; and written confirmation from the DBEs that they are participants in the Contract. If the Bidder fails to achieve the Contract goal stated therein, it will be required to provide documentation demonstrating that it made Good Faith Efforts. A Bid that fails to meet these requirements will be considered non-responsive.

DBE prime contractors must meet goals and make good faith efforts on the same basis as other contractors, but DBEs may count toward goals the work they commit to perform with their own work force, as well as work performed by DBE subcontractors and DBE suppliers.

The successful Bidder shall establish and maintain records and submit regular reports, as required by the Director of OBO, which shall identify and assess progress in achieving DBE subcontract goals and other DBE affirmative action efforts.

Compliance – All Bidders, potential Contractors and Subcontractors for this DOT-assisted Contract are hereby notified that failure to carry out the DOT policy and the DBE obligation, as set forth herein, shall constitute a breach of contract which may result in termination of the Contract or such other remedy as deemed appropriate by City.

Subcontract Clauses – Bidder and Contractors hereby assure that they will include the above clauses in all subcontracts, which offer further subcontracting opportunities. Agreements between Bidder and a DBE in which the DBE promises not to provide subcontracting quotations to other bidders are prohibited.

Termination of a DBE Subcontractor – Contractor may not terminate a listed DBE subcontractor without the City's prior written consent.

The City's consent will only be given if the Contractor provides satisfactory evidence (1) of good cause for termination, as "good cause" is defined in 49 CFR Part 26, or other documented compelling reason that necessitates termination; and (2) that Contractor provided the DBE subcontractor notice of termination and an opportunity to respond. The City must be copied on the notice of termination and the DBE subcontractor's responses if any.

Contract Assurance – The Contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of Department of Transportation-assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the Owner deems appropriate, which may include, but is not limited to:

- 1) Withholding monthly progress payments;

- 2) Assessing sanctions;
- 3) Liquidated damages; and/or
- 4) Disqualifying the Contractor from future bidding as non-responsible.

Prompt Payment – The prime contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than 10 days from the receipt of each payment the prime contractor receives from the City. The prime contractor agrees further to return retainage payments to each subcontractor within 10 days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the City. This clause applies to both DBE and non-DBE subcontractors.

Delete article 3.6.1.2 and replace with the following:

"3.6.1.2 The prevailing wage rates applicable to the Work shall be Document 00811 – Wage Scale/Building/FAA as bound in the Project Manual. Documents 00820 and 00821 shall not apply."

Add the following:

"3.23.2.1 Contractor shall maintain an acceptable cost accounting system. City, FAA, and the Comptroller General of the United States shall have access to any books, documents, paper, and records of Contractor which are directly pertinent to the specific contract for the purposes of making an audit, examination, excerpts, and transcriptions. Contractor shall maintain all required records for three years after City makes final payment and all other pending matters are closed."

ARTICLE 5- SUBCONTRACTORS AND SUPPLIERS

Add the following:

"5.3 Buy American Program

5.3.1 Contractor shall incorporate provisions for certification regarding Buy American Program in all lower tier contracts, using Document 00456- Bidder's Certification of Compliance with Buy American Program for this purpose.

5.4 Debarment, Suspension, Ineligibility and Voluntary Exclusion

5.4.1 Contractor shall incorporate provisions for certification regarding debarment, suspension, ineligibility and voluntary exclusion in all lower tier transactions, solicitations, proposals, contracts, and subcontracts, using Document 00607- Bidder's Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion for this purpose. Where the lower tier participant is unable to certify to this statement, then participant shall attach an explanation to the form of agreement between Contractor and lower tier participant.

"5.5 Foreign Trade Restrictions

5.5.1 Contractor shall incorporate provisions for certification regarding foreign trade restrictions (use Document 00458- Bidder's Certification Regarding Foreign Trade Restrictions for this purpose) in all lower tier contracts. Contractor may rely upon the certification of Subcontractors and Suppliers unless Contractor has knowledge that the certification is erroneous. Contractor shall immediately notify City if Contractor learns that its certification or that of a Subcontractor or Supplier is erroneous by reason of changed

circumstances. Contractor shall require each Subcontractor and Supplier to immediately notify Contractor, if at any time Subcontractor or Supplier learns its certification is erroneous by reason of changed circumstances."

Add the following:

"ARTICLE 15- PROVISIONS GOVERNING PROJECTS FUNDED BY AIP GRANTS

15.1 The Work is included in the Airport Improvement Project Number written in Document 00510 which is being undertaken and accomplished by City following the terms and conditions of a grant agreement between City and the United States, under the Airport and Airway Improvement Act of 1982 (P.L. 97-248) as amended by the Airport and Airway Safety and Capacity Expansion Act of 1987 (P.L. 100-223) and Part 152 of the Federal Aviation Regulations (14 CFR Part 152), pursuant to which the United States has agreed to pay a certain percentage of the costs under those Acts. The United States is not a party to this contract and no reference in this contract to FAA or any representative thereof, or the United States, by the contract, makes the United States a party to this contract.

15.2 No convict labor shall be employed under this contract.

15.3 In the employment of labor (except in executive, administrative, and supervisory positions), preference shall be given to veterans of the Vietnam era and disabled veterans as defined in Section 515(c)(1) and (2) of the Act. However, this preference shall apply only where the individuals are available and qualified to perform the work to which the employment relates.

15.4 Whether or not payments or advances to City are withheld or suspended by FAA, City may withhold or cause to be withheld from Contractor so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics employed by Contractor or any Subcontractor on the work, the full amount of wages required by this contract.

15.5 If Contractor or Subcontractor fails to pay any laborer or mechanic employed or working on the site of the work any of the wages required by this contract, City may, after written notice to Contractor, take such action as may be necessary to cause the suspension of any further payment or advance of funds until the violations cease.

15.6 Contractor shall insert in each subcontract the provisions contained in paragraphs 15.1, 15.3 15.4 15.5, 15.6 and 15.7 requiring Subcontractors to include these provisions in any lower tier subcontracts which they may enter into, together with a clause requiring this insertion in any further subcontracts that may in turn be made.

15.7 General Civil Rights Provisions:

15.7.1 The Contractor agrees to comply with pertinent statutes, Executive Orders and such rules as are promulgated to ensure that no person shall, on the grounds of race, creed, color, national origin, sex, age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance. This provision binds the Contractor and subcontractors from the bid solicitation period through the completion of the contract. This provision is in addition to that required by Title VI of the Civil Rights Act of 1964.

15.8 Davis-Bacon Act Requirements (29 CFR PART 5):

15.8.1 Minimum Wages:

.1 All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by the Secretary of Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalent thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between Contractor and such laborers and mechanics. Wage rates will be modified prior to award of the contract if a modification(s) is published in the Federal Register prior to contract award unless: (1) the notice is published within 10 days or less of bid opening and the FAA finds that there is not reasonable time still available before bid opening to notify bidders of the modification; or (2) the contract is awarded within 90 days of bid opening. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to laborers or mechanics, subject to the provisions of paragraph (15.10.1)(d) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR Part 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under (B-1)(b) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by Contractor and its Subcontractors at the site of the work in a prominent and accessible place where it can easily be seen by the workers.

.2 .1 City Engineer shall require that any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. City Engineer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

- 1) The work to be performed by the classification requested is not performed by a classification in the wage determinations; and
- 2) The classification is utilized in the area by the construction industry; and
- 3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

.2 If Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and City Engineer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by City Engineer to the Administrator of the

Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, D.C. 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise City Engineer or will notify City Engineer within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140).

.3 In the event Contractor, the laborers or mechanics to be employed in the classification or their representatives and City Engineer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits where appropriate), City Engineer shall refer the questions, including the views of all interested parties and the recommendation of City Engineer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise City Engineer or will notify City Engineer within the 30-day period that additional time is necessary. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140).

.4 The wage rate (including fringe benefits where appropriate) determined pursuant to subparagraphs (B-1)(b)(2) or (3) of this paragraph, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

.3 Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

.4 If Contractor does not make payments to a trustee or other third person, Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require Contractor to set aside in a separate account asset for the meeting of obligations under the plan or program. (Approved by the Office of Management and Budget under OMB Control Number 1215-0140).

15.8.2 Withholding: The Federal Aviation Administration or City shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from Contractor under this contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to David-Bacon prevailing wage requirements, which is held by the same prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by Contractor or any Subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of work, all or part of the wages required by the contract, the Federal Aviation Administration may, after written notice to Contractor or City take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

15.8.3 Payrolls and Basic Records:

.1 Payrolls and basic records relating thereto shall be maintained by Contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual costs incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs. (29 CFR 5.5(a)(3)(i) (Approved by the Office of Management and Budget under OMB Control Numbers 1215-0140 and 1215-0017).

.2 .1. Contractor shall submit weekly, for each week in which any contract work is performed, a copy of all payrolls to City for transmission to the Federal Aviation Administration. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under paragraph 5.5(a)(3)(i) above. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), U.S. Government Printing Office, Washington, D.C.20402. The prime Contractor is responsible for the submission of copies of payrolls by all subcontractors. (Approved by the Office of Management and Budget under OMB Control Number 1215-0149).

.2 Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by Contractor and applicable Subcontractors or their agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

- 1) That the payroll for the payroll period contains the information required to be maintained under paragraph 15.8.3.1 above and that such information is correct and complete;
- 2) That each laborer and mechanic (including each helper, apprentice and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations 29 CFR Part 3;

3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

.3 The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 15.8.3.2.2 of this section.

.4 The falsification of any of the above certifications may subject Contractor or Subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 231 of Title 31 of the United States Code.

.3 Contractor or Subcontractor shall make the records required under paragraph 15.8.3.1 of this section available for inspection, copying or transcription by authorized representatives of City, the Federal Aviation Administration or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If Contractor or a Subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to Contractor or City take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

15.8.4 Apprentices and Trainees:

.1 Apprentices: Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in Contractor's or Subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices

shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

.2 Trainees: Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

.3 The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

15.8.5 Contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this contract.

15.8.6 Subcontracts: Contractor or Subcontractor shall insert in any subcontracts the clauses contained in 29 CFR Part 5.5(a)(1) through (10) and such other clauses as the Federal Aviation Administration may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR Part 5.5.

15.8.7 All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are herein incorporated by reference in this contract.

15.8.8 Disputes Concerning Labor Standards: Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR Parts 5, 6 and 7. Disputes within the meaning of this clause include disputes between Contractor (or any of its Subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

15.8.9 Certification of Eligibility:

.1 By entering into this contract, Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

.2 No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

.3 The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

15.8.10 Contract Termination, Debarment: A breach of the contract clauses in paragraph 15.8.1 through 15.8.9 and paragraphs 15.9.1 through 15.9.5 may be grounds for termination of the contract, and for the debarment as a Contractor and a subcontractor as provided in 29 CFR 5.12.

15.9 Contract Workhours and Safety Standards Act Requirements (29 CFR PART 5):

15.9.1 No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic, including watchmen and guards, in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

15.9.2 Violation; Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in paragraph 15.11.1 above, Contractor or any Subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph 15.11.1 above, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 15.11.1 above.

15.9.3 Withholding for Unpaid Wages and Liquidated Damages: The Federal Aviation Administration or City shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any

monies payable on account of work performed by Contractor or Subcontractor under any such contract or any other Federal contract with the same prime Contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 15.11.2 above.

15.9.4 Subcontractors: Contractor or Subcontractor shall insert in any subcontracts the clauses set forth in paragraphs 15.11.1 through 15.11.4 and also a clause requiring the Subcontractor to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 15.11.1 through 15.11.4.

15.9.5 Working Conditions: No contractor or subcontractor may require any laborer or mechanic employed in the performance of any contract to work in surroundings or under working conditions that are unsanitary, hazardous or dangerous to his health or safety as determined under construction safety and health standards (29 CFR Part 1926) issued by the Department of Labor.

15.10 Equal Employment Opportunity (41 CFR PART 60-1.4(b)):

15.10.1 Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following:

15.10.1.1 Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

15.10.2 Contractor will, in all solicitations or advertisements for employees placed by or on behalf of Contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.

15.10.3 Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

15.10.4 Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, as amended, and of the rules, regulations, and relevant orders of the Secretary of Labor.

15.10.5 Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

15.10.6 In the event of Contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated or suspended in whole or in part and Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedure authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

15.10.7 Contractor will include the portion of the sentence immediately preceding paragraph D-1 and the provisions of paragraphs D-1 through D-7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each Subcontractor. Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provision, including sanctions for noncompliance: Provided, however, that in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor as a result of such direction by the administering agency Contractor may request the United States to enter into such litigation to protect the interests of the United States.

15.11 Clean Air and Water Pollution Control Requirements

15.11.1 Any other provision herein to the contrary notwithstanding, Contractor in carrying out work under this contract, shall at all times comply with all applicable state and federal air and water quality standards; with all pollution control laws; and with such rules, regulations, and directives as may be lawfully issued by a local, state, or federal agency having within its jurisdiction the protection of the environment in the area surrounding where work under this contract will be performed. In addition, Contractor shall comply with directives given by the Project Engineer in implementation of the letter and intent of FAA Advisory Circular 150/5370-10, Item P-156, Temporary Air and Water Pollution, Soil Erosion and Siltation Control. Copies of this Advisory Circular can be obtained from Department of Transportation, Distribution Unit, TAD-484.3, Washington, D.C. 20590.

15.11.2 Contractors and Subcontractors agree:

- .1 That any facility to be used in the performance of the contract or subcontract or to benefit from the contract is not listed on the Environmental Protection Agency (EPA) List of Violating Facilities;
- .2 To comply with all the requirements of Section 114 of the Clean Air Act, as amended, 42 U.S.C. 740-7671q, 1857 et seq. and Section 308 of the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. relating to inspection, monitoring, entry, reports, and information, as well as all other requirements specified in Section 114 and Section 308 of the Acts, respectively, and all other regulations and guidelines issued thereunder;
- .3 That, as a condition for the award of this contract, Contractor or Subcontractor will notify the awarding official of the receipt of any communication from the EPA indicating that a facility to be used for the performance of or benefit from the contract is under consideration to be listed on the EPA List of Violating Facilities;
- .4 To include or cause to be included in any construction contract or subcontract which exceeds \$100,000 the aforementioned criteria and requirements.

15.12 Compliance with Nondiscrimination Contractual Requirements Pursuant to Civil Rights Act of 1964, Title VI (49 CFR PART 21)

During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "Contractor"), agrees as follows:

1. Compliance with Regulations: The Contractor (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts and Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. Nondiscrimination: The Contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Contractor will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.
3. Solicitations for Subcontracts, including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract,

including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the Contractor of the contractor's obligations under this contract and the Nondiscrimination Acts and Authorities on the grounds of race, color, or national origin.

4. Information and Reports: The Contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the sponsor or the Federal Aviation Administration to be pertinent to ascertain compliance with such Nondiscrimination Acts and Authorities and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Contractor will so certify to the sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
5. Sanctions for Noncompliance: In the event of a Contractor's noncompliance with the nondiscrimination provisions of this contract, the sponsor will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:
Withholding payments to the Contractor under the contract until the Contractor complies; and/or
Cancelling, terminating, or suspending a contract, in whole or in part.
6. Incorporation of Provisions: The Contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations, and directives issued pursuant thereto. The Contractor will take action with respect to any subcontract or procurement as the sponsor or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the Contractor may request the sponsor to enter into any litigation to protect the interests of the sponsor. In addition, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

15.13 Title VI List of Pertinent Nondiscrimination Acts and Authorities

Title VI Solicitation Notice:

The Houston Airport System, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 USC §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders or offerors that it will affirmatively ensure that for any contract entered into pursuant to this advertisement, [select businesses, or disadvantaged business enterprises or airport concession disadvantaged business enterprises] will be afforded full and fair opportunity to submit bids in response to this invitation and no businesses will be discriminated against on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in consideration for an award.

During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “Contractor”) agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 USC § 2000d et seq., 78 stat. 252) (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR part 21 (Non-discrimination in Federally-assisted programs of the Department of Transportation—Effectuation of Title VI of the Civil Rights Act of 1964);
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 USC § 4601) (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973 (29 USC § 794 et seq.), as amended (prohibits discrimination on the basis of disability); and 49 CFR part 27;
- The Age Discrimination Act of 1975, as amended (42 USC § 6101 et seq.) (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982 (49 USC § 471, Section 47123), as amended (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987 (PL 100-209) (broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, the Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act of 1990, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 USC §§ 12131 – 12189) as implemented by U.S. Department of Transportation regulations at 49 CFR parts 37 and 38;
- The Federal Aviation Administration’s Nondiscrimination statute (49 USC § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP

persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);

- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 USC 1681 et seq).

15.14 Copeland “Anti-Kickback” Act

Contractor must comply with the requirements of the Copeland “Anti-Kickback” Act (18 USC 874 and 40 USC 3145), as supplemented by Department of Labor regulation 29 CFR part 3. Contractor and subcontractors are prohibited from inducing, by any means, any person employed on the project to give up any part of the compensation to which the employee is entitled. The Contractor and each Subcontractor must submit to the Owner, a weekly statement on the wages paid to each employee performing on covered work during the prior week. Owner must report any violations of the Act to the Federal Aviation Administration.

15.15 Distracted Driving

In accordance with Executive Order 13513, “Federal Leadership on Reducing Text Messaging While Driving”, (10/1/2009) and DOT Order 3902.10, “Text Messaging While Driving”, (12/30/2009), the Federal Aviation Administration encourages recipients of Federal grant funds to adopt and enforce safety policies that decrease crashes by distracted drivers, including policies to ban text messaging while driving when performing work related to a grant or subgrant.

In support of this initiative, the Owner encourages the Contractor to promote policies and initiatives for its employees and other work personnel that decrease crashes by distracted drivers, including policies that ban text messaging while driving motor vehicles while performing work activities associated with the project. The Contractor must include the substance of this clause in all sub-tier contracts exceeding \$3,500 that involve driving a motor vehicle in performance of work activities associated with the project.

15.16 Energy Conservation Requirements

Contractor and Subcontractor agree to comply with mandatory standards and policies relating to energy efficiency as contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 USC 6201et seq).

15.17 Procurement of Recovered Materials

Contractor and subcontractor agree to comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act, and the regulatory provisions of 40 CFR Part 247. In the performance of this contract and to the extent practicable, the Contractor and subcontractors are to use products containing the highest percentage of recovered materials for items designated by the Environmental Protection Agency (EPA) under 40 CFR Part 247 whenever:

The contract requires procurement of \$10,000 or more of a designated item during the fiscal year; or

The contractor has procured \$10,000 or more of a designated item using Federal funding during the previous fiscal year.

15.18 Veteran's Preference

In the employment of labor (excluding executive, administrative, and supervisory positions), the Contractor and all sub-tier contractors must give preference to covered veterans as defined within Title 49 United States Code Section 47112. Covered veterans include Vietnam-era veterans, Persian Gulf veterans, Afghanistan-Iraq war veterans, disabled veterans, and small business concerns (as defined by 15 USC 632) owned and controlled by disabled veterans. This preference only applies when there are covered veterans readily available and qualified to perform the work to which the employment relates.

15.19 FAA AC 150/5370-10H Provision Requirements & Laws to be observed

The Contractor shall keep fully informed of all federal and state laws, all local laws, ordinances, and regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the work, or which in any way affect the conduct of the work. The Contractor shall at all times observe and comply with all such laws, ordinances, regulations, orders, and decrees; and shall protect and indemnify the Owner and all their officers, agents, or servants against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree, whether by the Contractor or the Contractor's employees.

15.20 Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment

Contractor and Subcontractor agree to comply with mandatory standards and policies relating to use and procurement of certain telecommunications and video surveillance services or equipment in compliance with the National Defense Authorization Act [Public Law 115-232 § 889(f)(1)].

15.21 Lobbying and Influencing Federal Employees

The Bidder or Offeror certifies by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the Bidder or Offeror, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in

the award documents for all sub-awards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

15.22 Right to Inventions

Contracts or agreements that include the performance of experimental, developmental, or research work must provide for the rights of the Federal Government and the City of Houston in any resulting invention as established by 37 CFR part 401, Rights to Inventions Made by Non-profit Organizations and Small Business Firms under Government Grants, Contracts, and Cooperative Agreements. This contract incorporates by reference the patent and inventions rights as specified within 37 CFR § 401.14. Contractor must include this requirement in all sub-tier contracts involving experimental, developmental, or research work.

15.23 Tax Delinquency and Felony Convictions

Contractor and Subcontractor agree to comply with mandatory standards and policies relating to tax delinquency and felony convictions in compliance with the DOT Order 4200.6. The Contractor and Subcontractor shall not have been convicted of a Federal felony within the last 24 months; or have any outstanding tax liability for which all judicial and administrative remedies have lapsed or been exhausted.

15.24 Trade Restriction Certification

By submission of an offer, the Offeror certifies that with respect to this solicitation and any resultant contract, the Offeror –

- 1) is not owned or controlled by one or more citizens of a foreign country included in the list of countries that discriminate against U.S. firms as published by the Office of the United States Trade Representative (USTR);
- 2) has not knowingly entered into any contract or subcontract for this project with a person that is a citizen or national of a foreign country included on the list of countries that discriminate against U.S. firms as published by the USTR; and
- 3) has not entered into any subcontract for any product to be used on the Federal project that is produced in a foreign country included on the list of countries that discriminate against U.S. firms published by the USTR.

This certification concerns a matter within the jurisdiction of an agency of the United States of America and the making of a false, fictitious, or fraudulent certification may render the maker subject to prosecution under Title 18 USC § 1001.

The Offeror/Contractor must provide immediate written notice to the Owner if the Offeror/Contractor learns that its certification or that of a subcontractor was erroneous when submitted or has become erroneous by reason of changed circumstances. The Contractor must require subcontractors provide immediate written notice to the Contractor if at any time it learns that its certification was erroneous by reason of changed circumstances.

Unless the restrictions of this clause are waived by the Secretary of Transportation in accordance with 49 CFR § 30.17, no contract shall be awarded to an Offeror or subcontractor:

- 1) who is owned or controlled by one or more citizens or nationals of a foreign country included on the list of countries that discriminate against U.S. firms published by the USTR; or
- 2) whose subcontractors are owned or controlled by one or more citizens or nationals of a foreign country on such USTR list; or
- 3) who incorporates in the public works project any product of a foreign country on such USTR list.

Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by this provision. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

The Offeror agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification without modification in all lower tier subcontracts. The Contractor may rely on the certification of a prospective subcontractor that it is not a firm from a foreign country included on the list of countries that discriminate against U.S. firms as published by USTR, unless the Offeror has knowledge that the certification is erroneous.

This certification is a material representation of fact upon which reliance was placed when making an award. If it is later determined that the Contractor or subcontractor knowingly rendered an erroneous certification, the Federal Aviation Administration (FAA) may direct through the Owner cancellation of the contract or subcontract for default at no cost to the Owner or the FAA.

15.25 NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables

Goals for minority participation for each trade: 27.3%

Goals for female participation in each trade: 6.9%

These goals are applicable to all of the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a) and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address, and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this notice and in the contract resulting from this solicitation, the "covered area" is Harris County, Houston, Texas.

**ATTACHMENT A
CERTIFICATION OF BIDDER REGARDING TAX DELINQUENCY AND FELONY
CONVICTIONS**

The Bidder must complete the following two certification statements. The Bidder must indicate its current status as it relates to tax delinquency and felony conviction by inserting a checkmark (✓) in the space following the applicable response. The Bidder agrees that, if awarded a contract resulting from this solicitation, it will incorporate this provision for certification in all lower tier subcontracts.

Certifications

- 1) The Bidder represents that it is is not a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

- 2) The Bidder represents that it is is not a corporation that was convicted of a criminal violation under any Federal law within the preceding 24 months.

Term Definitions

Felony conviction: Felony conviction means a conviction within the preceding twenty-four (24) months of a felony criminal violation under any Federal law and includes conviction of an offense defined in a section of the U.S. Code that specifically classifies the offense as a felony and conviction of an offense that is classified as a felony under 18 USC § 3559.

Tax Delinquency: A tax delinquency is any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability.

Authorized Signature: _____ Date: _____

Print Name: _____

Company Name: _____

END OF DOCUMENT

DOCUMENT 00806-AIP

DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

(Bidders Note: City of Houston Ordinance No. 89-226, which repealed an earlier Ordinance, establishing a Disadvantaged Business Enterprise Program, was passed and adopted on February 15, 1989, effective February 21, 1989. The Ordinance governs construction contracts funded in whole or part by United States DOT.

Portions of the Ordinance not related to construction work and portions dealing with administrative issues about the Ordinance are deleted from this Document for purpose of brevity.

Section names and numbers follow the Ordinance. Paragraph numbering within Sections, pagination and format varies from the Ordinance.

See Document 00807- Bidder Requirements for Disadvantaged Business Enterprise (DBE) Program for Project Funded by AIP Grant for specific procedures.)

Section 1 REPEAL [*Paragraph Deleted*]

Section 2 DEFINITIONS

- A. The following words and phrases have the meanings ascribed unless the context clearly indicates another meaning. Singular includes the plural, plural includes the singular, masculine includes the feminine and feminine includes the masculine.
1. *Affirmative Action*: Taking specific steps to eliminate discrimination and its effects, to ensure nondiscriminatory results and practices in the future, and to involve DBEs fully in contracts and programs funded by DOT.
 2. *Airport(s)*: Defined in Section 01423.
 3. *Business*: An entity that under its current organization and ownership has evidence of: an office or an office-like space; a formal declaration of business in the name of the business such as: an assumed name certificate, a corporate charter, a partnership agreement, a joint venture agreement; or some comparable evidence of a business structure; a business bank account, or evidence of cash receipt, or evidence of payments of money by the business such as canceled checks relating to the business; or an invoice with paid receipt or related canceled check relating to the business; one reference for whom work has been performed or to whom goods or materials have been sold; one reference from whom goods or materials have been purchased for the business or from whom major equipment has been purchased or leased; and visible signs of a business operation including but not limited to letterhead stationary, business cards, telephone directory or information listing, signage in the name of the business on buildings, doors, major equipment, or similarly placed locations, imprinted receipt books, or flyers.
 4. *Commercially Acceptable Function*: A discrete task or group of tasks, the responsibility for performance of which is discharged by the DBE by using its own forces or by actively supervising on-site the execution of the task(s) by another entity for whose work the DBE is responsible. Without limiting the generality of the foregoing, a DBE is considered not to be performing a

- commercially acceptable function, if it subcontracts to non-DBE firms, more than 50% of a contract being counted toward the applicable DBE participation goal.
5. *Contract*: Defined in Document 00700.
 6. *Contractor*: Defined in Document 00700, and one who participates in a contract or subcontract subject to the Ordinance.
 7. *Controlled*: One or more socially and economically disadvantaged individuals who own the requisite interests in or assets of a business applying for DBE certification having and exercising independently the authority to control the business decisions of the business. Characteristic of such control is the authority to: sign bids and contracts; make price negotiation decisions; incur liabilities for the business; make personnel decisions; establish policy for the business; direct the management of the business; make any financial decision on behalf of the business; and sell or liquidate the business at will.
 8. *Disadvantaged Business Enterprise (DBE)*: An independent small business which is: at least 51% owned, as defined herein, by one or more socially and economically disadvantaged individuals, or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more socially and economically disadvantaged individuals; and managed, as defined herein, and whose daily business operations are controlled, as defined herein, by one or more of the socially and economically disadvantaged individuals who own it; and which is certified by City as meeting this Paragraph H definition.
 9. *DOT*: Defined in Section 01423.
 10. *DOT-assisted contract*: Contract between City and Contractor which is paid for in whole or in part with DOT financial assistance.
 11. *FAA*: Defined in Section 01423.
 12. *Good Faith Efforts*: Those efforts required to be made and demonstrated by the apparent successful Bidder prior to award of a Contract in the event the apparent successful Bidder has been unsuccessful in meeting the contract DBE goal. Good Faith Efforts include at a minimum the following:
 - a. Delivery of written notice to the following:
 - 1) All local certified DBEs in the directory for the month prior to the month of the bid or proposal submission date and identified as performing work or services or providing commodities for all potential subcontracting or supply categories in the Contract; and
 - 2) All minority and -women business organizations and associations identified in the directory for the month prior to the month of the bid or proposal submission date; and
 - 3) All media focused toward minorities and women identified in the directory for the month prior to the month of the bid or proposal submission date; and
 - 4) All local DBEs which requested information on the Contract.
 - b. The written notices shall contain:
 - 1) Adequate information about the Project Manual, Drawings, and relevant terms and conditions of the Contract and about the work to be subcontracted to or the goods to be obtained from Subcontractors and Suppliers;
 - 2) A contact person within the apparent successful Bidder's office to answer questions;
 - 3) Information as to the apparent successful Bidder's bonding

- requirements, the procedure for obtaining any needed bond, and the name and telephone number of one or more acceptable surety companies to contact;
- 4) Last date for receipt by the Bidder of DBE bids or price quotations;
 - 5) Invitation to attend any special pre-bid meeting called to inform DBEs of subcontracting or supply opportunities, if set forth in the Bidding Documents.
 - 6) Division of the contract, as recommended by Director of Aviation and in accordance with normal industry practice, into small, economically feasible segments that could be performed by DBEs; and
 - 7) Explanation for rejection to any DBE whose bid or price quotation is rejected, unless another DBE is accepted for the same work, as follows:
 - a) Where price competitiveness is not the reason for rejection, a written rejection notice including the reason for rejection will be sent to the rejected DBE;
 - b) Where price competitiveness is the reason for rejection, a meeting will be held, if requested, with the price-rejected DBE to discuss the rejection.
 - 8) Explanation for rejection of any DBE to Affirmative Action and Contract Compliance Division ("AAD"), unless another DBE is accepted for the same work, including the name of the non DBE firm proposed to be awarded the subcontract or supply agreement, and if price competitiveness is the reason for rejection, the DBE's price quotation and the successful non DBE's price quotation.
- c. Good Faith Efforts for construction mean at a minimum efforts which, in the joint opinion of Director of Aviation and Liaison Officer, given all relevant circumstances, would reasonably be expected to produce a level of DBE participation sufficient to meet the goal. The efforts must, in the joint opinion of Director of Aviation and Liaison officer, be those that a competitor actively and aggressively seeking to meet the goal would make.
13. *Independent business*: A business not dependent upon or connected with another business that is not a DBE, as evidenced by such items as multiple shared resources, common employees, common directors, or payment of the DBE's payroll by a non-DBE firm.
 14. *Joint Venture*: An association of two or more businesses to carry out a single business enterprise for profit for which purpose they combine their property, capital, efforts, skills, and knowledge.
 15. *Managed*: One or more socially and economically disadvantaged individuals, who own and control the business independently from the control or influence of a non-DBE business, shall operate the business by making the day-to-day decisions affecting the functional mission of the business. In instances where a license or permit is required in order to perform the functional mission of the business, one or more of the socially and economically disadvantaged individuals who own the business shall be licensed or have a permit in their name to perform the functional mission of the business.
 16. *OBO*: The City of Houston Mayor's Office of Business Opportunity.
 17. *Owned*: One or more socially and economically disadvantaged individuals who have ownership of the requisite interests in or assets of a business applying for DBE certification shall possess equivalent incidents of such

ownership, including an equivalent interest in the profit and loss of the business, a commensurate position and reasonable salary therefor, and an equivalent contribution of capital, equipment and/or expertise to the business. Such contributions shall be real and substantial. Securities shall be held directly by the socially and economically disadvantaged person and not in trust on their behalf. For purposes of certification as a business owned by a woman, ownership shall be measured as though not subject to the community property interest of the applicant's husband, if (a) both spouses certify in writing that the nonparticipating spouse relinquishes control over his community property interest in the subject business (but by doing so is not required to transfer to his spouse his community property ownership interest or to characterize the property as the separate property of his wife), and (b) the husband does not exercise any ownership control over the business by virtue of his community property interest, including serving as a corporate director, being an employee involved in the functional mission of the business or acting as a paid consultant to the business.

18. *Small business*: Defined pursuant to Section 3 of the Small Business Act and relevant regulations promulgated pursuant thereto, except that a small business shall not include any business or group of businesses controlled by the same socially and economically disadvantaged individual or individuals which has annual average gross receipts in excess of \$14 million over the previous 3 fiscal years.
19. *Socially and economically disadvantaged individuals*: Individuals who are citizens of the United States (or lawfully admitted permanent residents) and who are women, Black Americans, Hispanic Americans, Native Americans, Asian-Pacific Americans, or Asian-Indian Americans and any other minorities or individuals found to be disadvantaged by the Small Business Administration pursuant to section 8(a) of the Small Business Act. City shall make a rebuttable presumption that individuals in the following groups are socially and economically disadvantaged, and may determine, on a case-by-case basis, that individuals who are not members of one of the following groups are socially and economically disadvantaged.
 - a. *Black Americans*- persons having origins in any of the Black racial groups of Africa;
 - b. *Hispanic Americans*- persons of Mexican, Puerto Rican, Cuban, Central or -South American, or other Spanish or Portuguese culture or origin, regardless of race;
 - c. *Native Americans*- American Indians, Eskimos, Aleuts, or Native Hawaiians;
 - d. *Asian-Pacific Americans*- persons whose origins are From Japan, China, Taiwan, Korea, Vietnam, Laos, Cambodia, the Philippines, Samoa, Guam, U.S. Trust Territories of the Pacific, and the Northern Marianas; and
 - e. *Asian-Indian Americans*- persons whose origins are from India, Pakistan, and Bangladesh.

Section 3 POLICY STATEMENT-- The Policy Statement ("Attachment A", after Section 18 below), as executed by the Mayor, is adopted as the expression of commitment by City to use Disadvantaged Business Enterprises ("DBEs"), as defined herein, in all aspects of contracting subject to the Regulations to the maximum extent feasible. City shall comply with all provisions of the Regulations whether specifically recited herein or not.

Section 4 LIAISON OFFICER

- A. The Mayor is hereby authorized to designate from time to time a Liaison Officer for the DBE Program. Director of Office of Business Opportunity (OBO) is the initial Liaison officer. Liaison Officer will report directly to the Mayor and is charged with responsibility in conjunction with Director of Aviation for developing and executing procedures for implementation of the DBE Program.
- B. Duties of the Liaison Officer include:
 - 1. Monitoring, managing and implementing the DBE Program;
 - 2. Developing forms for certification applications, reporting and bid and contract clauses;
 - 3. Monitoring, via periodic reviews, Contractor's compliance with the DBE Program;
 - 4. Serving as liaison to economic development organizations and agencies working in support of economic development in the minority and women's communities;
 - 5. Establishing procedures for certification of DBEs and maintaining and updating bimonthly a register of DBEs with specific information on areas of work experience;
 - 6. Designing and conducting "in-house" DBE seminars, as well as providing assistance to interested bidders, as requested;
 - 7. Disseminating information to DBEs concerning business opportunities in DOT-assisted contracts and subcontracts;
 - 8. Attending pre-bid and pre-construction conferences to explain DBE requirements (when requested by Director of Aviation);
 - 9. Coordinating with Director of Aviation to establish recommendations for contract and annual program-wide goals;
 - 10. Maintaining records of DBE participation and regularly reporting to the Mayor, City Council and DOT, as required.

Section 5 COORDINATION OF CITY DEPARTMENTS

- A. Primary responsibility for the DBE Program rests with Liaison Officer. Assistance of other departments and technical resources are necessary for effective administration and execution of the DBE Program.
- B. Director of Aviation shall:
 - 1. Provide Liaison Officer an opportunity to review bid invitations prior to advertisement to ensure that City's DBE requirements are adequately addressed;
 - 2. When required, coordinate pre-bid conferences with Liaison Officer so that Liaison Officer may explain DBE requirements and respond to questions;
 - 3. Ensure that Liaison Officer has the opportunity to evaluate DBE participation submissions in order to determine that Good Faith Efforts are made to meet DBE contract goals;
 - 4. Report to Liaison Officer, upon request, but no more frequently than monthly, on Department of Aviation's efforts and success at achieving the DBE goals; and
 - 5. Advertise contracts for which a goal has been established hereunder, in addition to publication in a newspaper of general circulation, in at least one minority or women focused newspaper or publication named by OBO.

Section 6 PROCEDURES TO ENSURE THAT DBES WILL HAVE AN EQUITABLE

OPPORTUNITY TO COMPETE FOR CONTRACTS AND SUBCONTRACTS

- A. Affirmative action techniques employed by OBO and Department of Aviation to facilitate participation by DBEs in DOT-assisted contracting activities of City, include:
1. Arranging solicitations, time for submission of bids, quantities, specifications and deliveries to better accommodate participation of DBEs to the greatest extent practicable consistent with good procurement practices;
 2. Implementing informational and communication programs on contracting opportunities and procedures, with such programs being bilingual where appropriate;
 3. Providing assistance, as practical, in overcoming barriers such as inability to obtain bonding, financing or technical assistance;
 4. Holding pre-bid conferences to explain procedures and forms used and to encourage prime contractors to use DBEs as Subcontractors;
 5. Including City's goal for DBE participation in bid solicitation for DOT-assisted contracts;
 6. Informing minority Chambers of Commerce, and minority and women contractors associations of upcoming bid dates and the scope of work through Liaison Officer;
 7. Arranging with Designer for purchase of individual Project Manual Sections and Drawing sheets by interested firms; and
 8. Making available, upon request, the list of plan holders of record for DOT-assisted projects.

Section 7 **USE OF MINORITY OR WOMEN-OWNED BANKS** (*City encourages contractors to utilize services of minority and women-owned banks. OBO maintains a list of minority and women-owned banks located in Houston, Texas.*)

Section 8 **DBE DIRECTORY**-- OBO maintains a current register of firms, updated bimonthly, listing certified DBEs, including address, telephone number and area(s) of work for which DBEs are certified. This register is available to Bidders as a tool to assist them in locating DBEs. City makes no representation that all firms listed in the register are currently eligible DBEs, nor does City endorse any DBE named. Bidders and Contractor are not limited to this register as a source of DBE Subcontractors; however, DBE's must be certified by OBO prior to being eligible.

Section 9 **DBE ELIGIBILITY CERTIFICATION AND JOINT VENTURES INVOLVING DBEs**

- A. AAD shall certify eligibility of DBE's and joint ventures involving DBEs. An applicant denied certification by OBO may avail itself of the DOT appeal procedures set out at 49 CFR Part 23. OBO shall not accept for review another application for certification from an applicant previously denied certification until 6 months after the date of denial. In the event of an appeal to DOT of denial of certification, OBO shall not accept for review another application for certification until 6 months after the date of denial by DOT.
- B. AAD shall take at least the following steps in determining whether to certify a firm:
1. Perform an on-site visit to the offices of the firm and to any job sites on which the firm is working at the time of the eligibility investigation;
 2. Obtain resumes or work histories of the principal owners of the firm and personally interview those individuals;

3. Analyze ownership of stock in the firm, if it is a corporation;
 4. Analyze bonding and financial capacity of the firm;
 5. Determine the work history of the firm, including contracts received and work completed;
 6. Obtain or compile a list of equipment owned or available to the firm and the licenses of the firm and its key personnel to perform the work it seeks to do as part of the DBE program;
 7. Obtain a statement from the firm of the type of work it prefers to perform as part of the DBE program.
- C. City shall require apparent successful Bidder to meet or exceed the DBE goal or to make Good Faith Efforts to do so, prior to award of the contract. City shall also require apparent successful Bidder or Contractor to make Good Faith Efforts to subcontract with a substitute DBE when one DBE is unable to perform successfully, though there is no requirement that the replacement perform the same subcontract services. City reserves the right to approve substitutions of Subcontractors and Suppliers in order to assure continued compliance with the goal.

Section 10 PERCENTAGE GOALS

- A. City Council shall establish, by motion, annual Program-wide goals. The goal for construction shall be established as a percentage of the DOT financial assistance to the airport that is expended in contracting and not that assistance used for reimbursement of City's own forces or for land acquisition ("DOT Financial Assistance Base").
- B. The following factors are considered in arriving at the goal:
 1. Number and types of contracts to be awarded by City during its fiscal year;
 2. Number and types of DBEs certified by City;
 3. Number and types of DBEs likely to be available to compete for contracts during City's fiscal year; and
 4. Past results of City's efforts to contract with DBEs.
- C. Program-wide goals shall be reviewed on an annual basis by Liaison Officer and Director of Aviation. The review process shall analyze the same factors listed in Paragraph B above. Recommendation for adoption of the Program-wide goals for the next fiscal year shall be made to City Council jointly by Liaison Officer and Director of Aviation, on or before May 1 of each year. Each motion setting Program-wide goals shall be submitted to DOT/Southwest Region.
- D. After consideration of the known availability of qualified DBEs in the areas to be contracted, Director of Aviation shall either:
 1. Assign an appropriate DBE contract goal which may be less than, equal to or greater than the applicable Program-wide goal; or
 2. For contracts not required to be competitively bid, designate the contract as one to be competed for only by DBEs (see Section 12 - Set Asides); or
 3. Determine that one of the following exceptions applies and the contract should be excepted from DBE goal setting: the contract is of such a specialized, technical or unique nature as to require City to be able to select Contractor without regard to DBE participation; or DBE participation would be negligible based on known availability of qualified DBEs. In the event an exception is determined to apply, Director of Aviation shall notify OBO, in writing, of this determination prior to advertisement or in the case of contracts for which no advertisement is published, prior to contract award. OBO may challenge this determination. The apparent successful Bidder, prior to award,

shall meet or exceed the contract goal or demonstrate that it could not meet it despite Good Faith Efforts.

- E. At the time City submits its Program-wide goals to DOT, it shall publish a notice announcing the goal, informing the public that the goal and a description of how it was selected is available for inspection during normal business hours at City Secretary's Office for 30 days following the date of the notice, and informing the public that DOT and City will accept comments on the goals for 45 days from the date of the notice. The notice shall include addresses to which comments may be sent, and shall be published in general circulation media, available media focused specifically toward minorities or women and trade association publications, and shall state that the comments are for informational purposes only.
- F. Bidders and Contractor shall at a minimum seek DBEs in the same geographic area in which contractors or Subcontractors are normally sought for a given solicitation.

Section 11 MEANS TO ENSURE THAT COMPETITORS MAKE GOOD FAITH EFFORTS TO MEET DBE-CONTRACT GOALS

- A. The apparent successful Bidder shall submit DBE participation information to City. Award of the contract will be contingent upon apparent successful Bidder meeting the DBE contract goal or satisfying City that Good Faith Efforts to do so have been made.
- B. The apparent successful Bidder shall submit the following information, following Documents 00495 and 00807, within the time period stated in Document 00495, so that a determination can be made of whether the DBE contract goal has been met:
 1. Names and addresses of DBE firms that will participate in the contract;
 2. Description of the work each named DBE firm will perform;
 3. Dollar amount of work to be performed by each named DBE firm and the related percentage of participation; and
 4. Certification number of the DBE (optional).

In the event that review of this submission by City reveals proposed DBE participation will not meet the goal, the apparent successful Bidder shall submit within 15 working days of notification information concerning sufficient DBEs to meet the goal in the opinion of Liaison Officer, or documentation of Good Faith Efforts to do so. Failure to timely submit required information may result in rejection of the Bidder's bid. The periods of time for submissions and actions to be taken by the apparent successful Bidder may be reduced or expanded in Bidding Documents or by Director of Aviation for contracts which do not result from bidding.

Section 12 DBE SET ASIDES-- State and local law prohibit City from including DBE set-asides (a technique which limits consideration of bids or Proposals to those submitted by DBEs) in its competitively bid contracts. The most relevant procurement regulations prohibiting set-asides, are contained in Chapter 252, Local Government Code (Vernon), and Article II, Section 19, "Contracts," of the Houston City Charter. Set asides may be used only in the instance of contracts for which competitive bidding is not required by law and only then when Director of Aviation and Liaison Officer agree that there are sufficient DBEs with the required capability to assure competition for the contract, but in no event fewer than 3, and that because of the nature of the contract, or conditions affecting its award, remediation of effects of historic discrimination would be impeded if a less restrictive measure

were applied.

Section 13 COUNTING DBE PARTICIPATION TOWARD MEETING DBE GOALS

- A. DBE participation shall be counted toward meeting DBE goals as follows:
1. Once a firm is certified as a DBE, the total dollar value of a contract awarded to the DBE in its field or fields of certification will be counted toward the applicable DBE goals.
 2. The apparent successful Bidder or Contractor may count toward the DBE goal that portion of the total dollar value of a contract with a joint venture equal to the percentage of ownership of the joint venture by the DBE joint venturer.
 3. The apparent successful Bidder or Contractor may count toward the DBE goal only expenditures to DBEs that perform a Commercially Acceptable Function in the work of a contract. To determine whether a DBE is performing a Commercially Acceptable Function, City shall evaluate the amount of work subcontracted, industry practices, and other relevant factors.
 4. Consistent with normal industry practices, a DBE may enter into subcontracts. If a DBE subcontracts to non-DBEs a significantly greater portion of the work of the contract than would be expected on the basis of normal industry practices, and in any case more than fifty 50%, the DBE shall be presumed not to be performing a Commercially Acceptable Function. The DBE may present evidence to AAD, through Contractor, if applicable, to rebut this presumption. Liaison Officer's decision on the rebuttal of this presumption is final.
 5. The apparent successful Bidder or Contractor may count, as specified below, toward the DBE goal expenditures or materials and supplies obtained from DBE Regular Dealers and Manufacturers provided that the DBE assumes the actual and contractual responsibility for the provision of the materials and supplies.
 - a. The apparent successful Bidder or Contractor may count 100 percent of its expenditure to a DBE Manufacturer (a firm that operates or maintains a factory or establishment that produces on-premises, or substantially alters before resale, products obtained by Contractor).
 - b. The apparent successful Bidder or Contractor may count 60 percent of its expenditures for products obtained from DBE Regular Dealers, provided that the DBE Regular Dealer performs a Commercially Acceptable Function in the supply process. For purposes of this section, a Regular Dealer is a firm that owns, operates, or maintains a store, warehouse, or other establishment in which the products required for the performance of the contract are bought, kept in stock, and regularly sold to the public in the usual course of business. To be a Regular Dealer, the firm shall engage in, as its principal business, and in its own name, the purchase and sale of products in question. A Regular Dealer in bulk items such as steel, cement, gravel, stone, and petroleum products need not keep such products in stock, if it owns or operates distribution equipment. Brokers and packagers are Manufacturers or Regular Dealers within the meaning of the section.
 - c. The apparent successful Bidder or Contractor may count toward the DBE goal the following expenditures to DBE firms that are not "Manufacturers" or "Regular Dealers":
 - 1) Fees or commissions for providing a bona fide service, such as professional, technical, consultant or managerial services and

assistance in procurement of essential personnel, facilities, products (but not the cost of the products themselves) required for performance of the contract, provided the fee or commission is determined by AAD to be reasonable and not excessive as compared with fees customarily allowed for similar services.

- 2) Fees for delivery of products required on site (but not the cost of the products themselves) when the hauler, trucker, or delivery service is not also the "Manufacturer" of or "Regular Dealer" in the products, provided the fee is determined by AAD to be reasonable and not excessive as compared with fees customarily allowed for similar services.

Section 14 POLICY CONCERNING LEASES *[Paragraph Deleted]*

Section 15 MAINTENANCE OF RECORDS AND REPORTS

- A. AAD shall maintain a record keeping system to identify and assess DBE contract awards, prime contractors' progress in achieving DBE contract goals, and other DBE Affirmative Action efforts. Specifically, AAD shall: maintain records showing procedures adopted to comply with requirements of the ordinance; obtain regular reports from Contractor on Contractor's progress in meeting contractual DBE obligations. Contractor shall submit to AAD copies of all DBE agreements as they are executed; make specific efforts to identify and award contracts to DBEs.
- B. Such records will be available, upon request, to any authorized officer or employee of DOT.
- C. Liaison Officer shall submit quarterly reports to FAA, including at a minimum:
 1. Number of DOT-assisted contracts awarded to DBEs by City through contractors;
 2. Description of general categories of DOT-assisted contracts awarded to DBEs during the resorting period;
 3. Dollar value of- the FAA share of DOT-assisted contracts awarded to DBEs;
 4. Percentage of the dollar value of the FAA share of all DOT-assisted contracts awarded during this period which were awarded to DBEs; and,
 5. Indication of whether and the extent to which the percentage met or exceeded the Program-wide goals.

Section 16 INFORMATION TO BE INCLUDED IN CONTRACT DOCUMENTS

- A. The following statements shall be included in their entirety in all advertisements, Bidding and Contract Documents related to DOT-assisted contracts:
 1. "It is the policy of DOT that Disadvantaged Business Enterprises as defined in 49 CFR Part 23 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds. Consequently, the DBE requirement of 49 CFR Part 23 will be included in all contract documents for DOT-assisted contracts."
 2. "City and the apparent successful Bidder, or Contractor, agree to ensure that Disadvantaged Business Enterprises, as defined in 49 CFR Part 23, have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this agreement. In this regard, City and the apparent successful Bidder, or Contractor, shall take all necessary and reasonable steps in accordance with 49 CFR Part 23 to ensure that DBEs have the maximum opportunity to

- compete for and perform contracts. City and the apparent successful Bidder, or Contractor, shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of DOT-assisted contracts."
- B. The following statements shall be included in their entirety, in addition to those in subsection A, in all advertisements, Bidding and Contract Documents for DOT-assisted contracts for which a DBE goal has been established:
1. "All Bidders shall make Good Faith Efforts, as defined in Document 00806- Disadvantaged Business Enterprise Program, to subcontract [*percent value stated in Document 00801- Supplementary Conditions*] of the dollar value of the prime contract to small business concerns Owned, Controlled and Managed by socially and economically disadvantaged individuals (DBE). In the event that the apparent successful Bidder qualifies as a DBE, the contract goal shall be deemed to have been met. Individuals who are rebuttably presumed to be socially and economically disadvantaged include women, Blacks, Hispanics, Native Americans, Asian-Pacific Americans, and Asian-Indian Americans. The apparent successful Bidder shall submit information concerning DBEs that will participate in this contract. The information shall include the name and address of each DBE, a description of the work to be performed by each named firm, and the dollar value of the contract or subcontract. If Contractor fails to achieve the contract goal stated herein, Contractor shall provide documentation demonstrating Contractor's Good Faith Efforts in attempting to do so. A bid or contract that fails to meet these requirements will be considered nonresponsive."
 2. "All bidders, potential contractors or Subcontractors for this DOT-assisted contract are hereby notified that failure to carry out the DOT policy and the DBE obligation, as set forth above, shall constitute a breach of contract which may result in termination of the contract or such other remedy deemed appropriate by City."
 3. "All Bidders and Contractor hereby assure that they will include the above clauses in all subcontracts which offers further subcontracting opportunities."
 4. "It is further understood and agreed that the award procedure for this solicitation will include the selection criteria of 49 CFR Part 23.45(l) to ensure that prime contracts are awarded to competitors that meet DBE goals."
 5. "Notification is hereby given that DBE goals are established for this prime contract. The goal for firms owned and controlled by socially and economically disadvantaged individuals is [*percent value stated in Document 00800- Supplementary Conditions*] of the dollar value of this contract."
 6. "As a prerequisite to contract execution, the apparent successful Bidder shall submit names and addresses of the certified DBE firms that will participate in the contract along with a description of the work to be performed by each named firm and the dollar value for each subcontract. If the responses do not clearly show DBE participation will meet the goals above, the apparent successful Bidder shall provide documentation clearly demonstrating, to the satisfaction of City, that it made Good Faith Efforts in attempting to do so and that meeting said goals is not reasonably possible. A bid that fails to meet these requirements will be considered nonresponsive."
 7. "Agreements between Bidder and a DBE in which the DBE promises not to provide sub-contracting quotations to other Bidders are prohibited. The apparent successful Bidder or Contractor shall make good faith effort to replace a DBE Subcontractor that is unable to perform successfully with another DBE Subcontractor."
- C. "The apparent successful Bidder or Contractor shall establish and maintain

records and submit regular reports, as required, which will identify and assess progress in achieving DBE subcontract goals and other DBE affirmative action efforts."

- D. Bidding Documents shall include: DBE goals; DBE definitions; DBE selection criteria; Methods of counting DBE participation; Eligibility standards; Method for appeal of denial of certification; and Reporting forms.

Section 17 OPEN MEETINGS *[Paragraph Deleted]*

Section 18 EMERGENCY *[Paragraph Deleted]*

CONTRACTOR GOOD FAITH EFFORTS

("ATTACHMENT A")

- A. Good Faith Efforts for non-DBEs in construction, procurement and professional services shall mean at a minimum the following:
1. Delivery of written notice to the following:
 - a. All local certified DBEs in the directory for the month prior to the month of the bid or proposal submission date and identified as performing work or services or providing commodities for all potential subcontracting or supply categories in the Contract; and
 - b. All minority and women focused associations identified in the directory for the month prior to the month of the bid or proposal submission date; and
 - c. All news media focused toward minority persons and women identified in the directory for the month prior to the month of the bid or proposal submission date; and
 - d. All DBEs which requested information on the Contract.
 2. The written notices shall contain:
 - a. Adequate information about plans, specifications, and relevant terms and conditions of the Contract and about the work to be subcontract or the goods to be obtained from Subcontractors and suppliers;
 - b. A contact person within the apparent low bidder's or proposer's office to answer questions;
 - c. Information as to the apparent low bidder's or proposer's bonding requirements, the procedure for obtaining any needed bond, and the name and telephone number of one or more acceptable surety companies to contact;
 - d. The last date for receipt by the bidder or proposer of DBE bids or price quotations;
 3. Attendance at any special pre-bid meeting called to inform DBEs of subcontracting or supply opportunities, if set forth in the bidding or proposal documents.
 4. Division of the Contract, as recommended by the department head of the initiating City department and in accordance with normal industry practice, into small, economically feasible segments that could be performed by DBE.
 5. Providing an explanation for rejection to any DBE whose bid or price quotation is rejected, unless another DBE is accepted for the same work, as follows:
 - a. Where price competitiveness is not the reason for rejection, a written rejection notice including the reason for rejection will be sent to the rejected DBE;
 - b. Where price competitiveness is the reason for rejection, a meeting must be held, if requested, with the price-rejected DBE to discuss the rejection; and
 6. Providing an explanation for rejection of any DBE to the Affirmative Action and Contract Compliance Division, unless another DBE firm is accepted for the same work, including the name of the non-DBE firm proposed to be awarded the subcontract or supply agreement, and if price competitiveness is the reason for rejection, the DBE's price quotation and the successful non-DBE's price quotation.
- B. Good Faith Efforts for DBEs in construction, procurement and professional services shall mean at a minimum the following:
1. Furnishing prompt written responses to any written inquiry from the Director or any employee of the Affirmative Action and Contract Compliance Division regarding the DBE's performance or information germane to the DBE's certification;
 2. Ensuring that at all times during the performance of any Contract or subcontract subject to the requirements of Chapter 1 of the Code of Ordinances the DBE is engaging in a commercially acceptable function as that term is defined herein;

3. Ensuring that no application, response to a request for information, or other factual material submitted to the Director or any employee of the Affirmative Action and Contract Compliance Division contains any material misrepresentation; and
4. Furnishing prompt responses to requests from the department administering the Contract, the City Attorney and the city Controller for information, books and records needed to verify compliance.

END OF SECTION

DOCUMENT 00807

**BIDDER/CONTRACTOR REQUIREMENTS FOR
DISADVANTAGED BUSINESS ENTERPRISE (DBE) PROGRAM**

PART 1- GENERAL

1.01 DOCUMENT INCLUDES

- A. General requirements of DBE Program.
- B. Bidder/Contractor and DBE requirements for compliance with DBE Program.
- C. Contractor Good Faith Efforts
- D. Form of DBE Monthly Utilization Report

1.02 SUBMITTALS

- A. Submit following within 10 days following date of "Notice of Intent to Award the Contract":
 - 1. To City Engineer:
 - a. One copy of Document 00600- List of Proposed Subcontractors and Suppliers, Part A- DBE Participation Plan ("Plan").
 - b. One original copy of executed DBE subcontract(s), or Letter(s) of Intent for each DBE, or documentation (written on Bidder's stationery) of Good Faith Efforts if the Goal is not met, following Paragraph 1.04.B.
 - 2. To Houston Airport System (HAS), Office of Business Opportunity (OBO):
 - a. One copy of Document 00600 Part A.
 - b. Original documents pursuant to Document 00806.
 - c. Address to:
Houston Airport System, Office of Business Opportunity (OBO)
111 Standifer Drive
Humble, Texas 77338
Attn: Manager of OBO
- B. Submit reports during progress of the Work:
 - 1. Within 40 days after Notice to Proceed date, submit the first Report.
 - 2. Thereafter on the 15th of each month, submit one Report outlining DBE participation, until DBE activity is complete.
 - 3. Mail original of Reports to Affirmative Action Division at the address given in Paragraph 1.02.A.2.c above.
 - 4. Mail one copy of Reports to City Engineer.

1.03 GENERAL DBE REQUIREMENTS

- A. City encourages full participation of DBEs in all phases of City's procurement activities to afford DBEs a full and fair opportunity to compete for City contracts at all levels.

1. DBE is defined in Document 00806, and further as used in this Document, means an entity acting as Subcontractor or Supplier, even if certified by another agency, whether proposed or subcontracted, whether as original or replacement DBE, which is certified as a DBE by City of Houston Office of Business Opportunity (OBO/Affirmative Action Division"), except:
2. Director of Affirmative Action ("Director/OBO") will consider priority certification of non-certified entities in cases where the apparent Low Bidder proposes entities for specific capabilities not found among at least 3 DBEs.

B. Summary of Policy Elements:

1. Contractor agrees to ensure that DBEs have full and fair opportunity to participate in performance of City contracts, and to make Good Faith Efforts to meet the Goal.
2. Contractor, Subcontractors and Suppliers shall not discriminate on the basis of race, color, religion, national origin or sex in the performance of City contracts.
3. Contractor's performance in meeting the Goal will be monitored by Affirmative Action Division, including site visits, reviewing records and reports, and interviewing randomly selected personnel.

C. The percentage goal for DBE participation ("Goal") for this Contract is stated in Document 00801.

1.04. BIDDER/CONTRACTOR AND DBE RESPONSIBILITIES

A. Prior to Bid submission: Verify proposed DBEs are certified prior to bid date.

B. Prior to Award:

1. Submit documents following Paragraph 1.02. Failure to properly submit documents may result in apparent low Bidder being considered non-responsive and second Low Bidder being considered for award.
 - a. Director/OBO will not unreasonably withhold approval of Good Faith Efforts.
 - b. If Bidder fails to furnish Plan, or fails to document Good Faith Efforts, Bidder will be deemed non-responsive and City Engineer will make recommendation to award the contract to second Low Bidder.
2. Designate an officer to administer the Plan and maintain records of Good Faith Efforts to subcontract with DBEs.
3. Execute a written contract with each DBE.

C. After execution of the Agreement:

1. Follow the Plan or deviations therefrom approved by Director/OBO. Director/OBO may suspend Contractor for failure to make Good Faith Efforts to meet the Goal, or to suspend a DBE failing to make Good Faith Efforts to maintain DBE certification.
2. Submit Reports, following Paragraph 1.02.B.
3. Upon approval by Director/OBO, make Good Faith Efforts to replace a DBE displaced for any reason, with another DBE.

D. Eligibility of DBEs:

1. Contact Affirmative Action Division (713/658-3800) regarding certifications.
 2. Affirmative Action Division maintains, publishes and distributes the Minority and Women Disadvantaged Business Enterprise Directory ("Directory"). Contractor is not limited to use of listed DBEs, and is encouraged to solicit subcontractors and suppliers from other sources and direct them to apply for DBE certification.
- E. DBE participation shall be counted toward meeting the Goal as follows:
1. The total dollar value of each DBE, after being certified as a DBE, is counted toward the Goal.
 2. When Contractor or Subcontractor or Supplier organizes as a joint venture with one or more members to satisfy the Goal, the Director/OBO shall determine the percent of participation resulting from the joint venture accountable toward the Goal.
 3. Contractor may count toward the Goal only DBEs performing Commercially Acceptable Function in work of the Contract, as defined in Document 00806.
 4. Subcontract at least 50 percent of the Goal to DBE Subcontractors.
 5. Contractor may count 100 percent of DBE Supplier participation toward the Goal; however, DBE Supplier contracts shall not exceed 50 percent of the Goal.
- H. Records and Reports:
1. Submit Reports following Paragraph 2.A.
 2. Maintain the following records for review by Affirmative Action Division upon request:
 - a. Copy of subcontracts and purchase orders as executed;
 - b. Documentation of payments to and other transactions with DBEs;
 - c. Explanation of changes/replacements of DBEs, with other DBEs.
 3. If the Goal is not being met, include in Reports a narrative description of progress being made in DBE participation. If sufficient DBEs to meet the Goals are being utilized, identify them by name and the dollar amount paid to date for work performed or products furnished by each DBE during the monthly period. Submit reports even when no activity occurs during a monthly period.
- 1.05 CONTRACTOR GOOD FAITH EFFORTS
- A. If Contractor fails to meet or exceed the Goal set for the Contract, Affirmative Action Division will review documentation of Good Faith Efforts made by Contractor to meet the Goal.
 - B. Burden of establishing minimum Good Faith Efforts is entirely upon Contractor and any determination made by Affirmative Action Division that minimum Good Faith Efforts were not made is appealable to City Council.
 - C. Contractor shall submit to Affirmative Action Division, a detailed, acknowledged statement, in writing, with documentation attached, explaining in what ways Contractor complied with the following minimum standards for Good Faith Efforts:
 1. Delivery of written notice to all applicable categories of local DBEs identified in the Directory, to contracting groups and media focused toward minorities and women on a list furnished by Affirmative Action Division, and to any local DBEs who requested information on the project. The notice shall contain:

**BIDDER REQUIREMENTS
FOR DBE PROGRAM**

IAH South Lighting Vault Renovation
Project No. 952

- a. Adequate information about the scope of the Work, Drawings, Project Manual, and requirements of the Proposal;
- b. Identification of a person within the firm's office to answer questions.
2. Division of the Work into small, economically feasible segments which could be performed by DBEs, as recommended by Director of Aviation.
3. Provision of an explanation to any DBE whose bid is rejected, unless another DBE is accepted for the same work, as follows:
 - a. Where price competitiveness is not the reason, a written rejection notice shall include the reason for rejection;
 - b. Where price competitiveness is the reason, a meeting shall be held, if requested, with the price-rejected DBE to discuss the rejection.

END OF DOCUMENT

City of Houston, Office of Business Opportunity
DBE Monthly Utilization Report for HAS Projects
 Report Period: _____ through _____

| | |
|-------------------------|--------------------------------|
| PROJECT NAME: _____ | Date of Report: _____ |
| PROJ/CIP/AIP No: _____ | Contract No.: _____ |
| PRIME CONTRACTOR: _____ | Date of Commencement: _____ |
| ADDRESS: _____ | Est. Compl. Date: _____ |
| | Contract Amount: \$ _____ |
| PHONE NUMBER: _____ | DBE Goal (%): _____ |
| | Est. % of Job Completed: _____ |

| SUBCONTRACTOR OR SUPPLIER | DATE OF AA CERTIFICATION | DATE OF SUBCONTRACT | POTENTIAL SUBCONTRACT AMOUNT | SCHEDULED % OF CONTRACT PARTICIPATION | AMOUNT PAID THIS PERIOD | AMOUNT PAID TO DATE | % OF CONTRACT TO DATE |
|------------------------------|-----------------------------|------------------------|------------------------------------|---|----------------------------------|---------------------------|-----------------------------|
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| TOTALS | | | | | | | |

Make as many copies of this page as required to list all DBE participation.
 Submit the original of this report by the 25th day following the report period to Houston Airport System, Office of Business Opportunity: 111 Standifer Drive, Humble, Texas 77338, and one copy to City Engineer at HAS.

Provide support documentation on all revenues paid to DBE Subcontractors/Suppliers, to reflect all up/down variances in Contract amount.

DOCUMENT 00811 - FAA

WAGE SCALE FOR BUILDING CONSTRUCTION
FOR PROJECTS FUNDED BY AIP

- 1.01 Following 29 CFR 5.5 (a) (1) (v), use the rates listed on the Wage Determination Attachment for minimum wage and benefits for the labor classifications applicable to the Work.
- 1.02 These rates do not prohibit payment of more than the rates stated.
- 1.03 Apply rates in this Document 00811 to work on a building including an area within five (5) feet of the exterior wall.
- 1.04 The Contractor shall submit the "Certificate form Contractor Appointing Officer or Employee to Supervise Payment of Employees" (Exhibit "B") to the Monitoring Authority listed in Document 00495 prior to final execution of the contract.
- 1.05 During the course of the work, Subcontractors shall submit the "Certificate form Subcontractor Appointing Officer or Employee to Supervise Payment of Employees" (Exhibit "C") to the Monitoring Authority listed in Document 00495.
- 1.06 Contractor and Subcontractors will submit payrolls electronically to the Department through the online reporting system unless told otherwise by the Office of Business Opportunity.

Projected Wage Determination Publication Date:
January 12, 2024 (or Later)

for

General Decision Number **TX20240253 01/12/2024**
Superseding General Decision Number TX20230253

State: TEXAS
Construction Type: BUILDING
County: Harris County in Texas

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to & including 4 stories). (Use current highway general wage determination for paving & utilities incidental to Building Construction for Harris County)

| | |
|----------------------|-------------------|
| Modification Number: | Publication Date: |
| 0 | 01/05/2024 |
| 1 | 01/12/2024 |

EXHIBIT "A"

WAGE DETERMINATION ATTACHMENT:

"General Decision Number: TX20240253 01/12/2024

Superseded General Decision Number: TX20230253

State: Texas

Construction Type: Building

County: Harris County in Texas.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

| | |
|---|---|
| If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022: | . Executive Order 14026 generally applies to the contract. . The contractor must pay all covered workers at least \$17.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2024. |
| If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022: | . Executive Order 13658 generally applies to the contract. . The contractor must pay all covered workers at least \$12.90 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2024. |

The applicable Executive Order minimum wage rate will be

adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

| | |
|---------------------|------------------|
| Modification Number | Publication Date |
| 0 | 01/05/2024 |
| 1 | 01/12/2024 |

ASBE0022-009 07/03/2023

| | Rates | Fringes |
|---|----------|---------|
| ASBESTOS WORKER/HEAT & FROST INSULATOR (Duct, Pipe and Mechanical System Insulation)..... | \$ 28.35 | 16.02 |

BOIL0074-003 07/01/2023

| | Rates | Fringes |
|------------------|----------|---------|
| BOILERMAKER..... | \$ 37.00 | 24.64 |

CARP0551-008 04/01/2021

| | Rates | Fringes |
|---|----------|---------|
| CARPENTER (Excludes Acoustical Ceiling Installation, Drywall Hanging, Form Work and Metal Stud Installation)..... | \$ 25.86 | 9.08 |

ELEC0716-005 08/29/2023

| | Rates | Fringes |
|---|----------|---------|
| ELECTRICIAN (Excludes Low Voltage Wiring and Installation of Alarms)..... | \$ 34.50 | 10.41 |

ELEV0031-003 01/01/2023

| Rates | Fringes |
|-------|---------|
|-------|---------|

ELEVATOR MECHANIC.....\$ 49.15 37.335+a+b

FOOTNOTES:

A. 6% under 5 years based on regular hourly rate for all hours worked. 8% over 5 years based on regular hourly rate for all hours worked.

B. Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; Friday after Thanksgiving Day; Christmas Day; and Veterans Day.

ENGI0450-002 04/01/2014

| | Rates | Fringes |
|---|----------|---------|
| POWER EQUIPMENT OPERATOR Cranes..... | \$ 34.85 | 9.85 |

IRON0084-001 07/01/2023

| | Rates | Fringes |
|-----------------------------|----------|---------|
| IRONWORKER, STRUCTURAL..... | \$ 27.51 | 8.13 |

IRON0084-012 06/01/2023

| | Rates | Fringes |
|-----------------------------|----------|---------|
| GLAZIER..... | \$ 23.27 | 7.12 |
| IRONWORKER, ORNAMENTAL..... | \$ 27.51 | 8.13 |

PLAS0783-001 04/01/2023

| | Rates | Fringes |
|----------------|----------|---------|
| PLASTERER..... | \$ 31.34 | 10.30 |

PLUM0068-002 10/01/2023

| | Rates | Fringes |
|--------------|----------|---------|
| PLUMBER..... | \$ 34.86 | 11.68 |

PLUM0211-010 10/01/2023

| | Rates | Fringes |
|---|----------|---------|
| PIPEFITTER (Including HVAC Pipe Installation)..... | \$ 38.31 | 12.61 |

* SFTX0669-002 01/01/2024

| | Rates | Fringes |
|---|----------|---------|
| SPRINKLER FITTER (Fire Sprinklers)..... | \$ 34.60 | 23.88 |
| ----- | | |
| SHEE0054-006 04/01/2020 | | |

| | Rates | Fringes |
|---|----------|---------|
| SHEET METAL WORKER Excludes HVAC Unit Installation..... | \$ 29.70 | 13.85 |
| HVAC Duct Installation Only. | \$ 29.70 | 13.85 |
| ----- | | |

* SUTX2014-029 07/21/2014

| | Rates | Fringes |
|---|-------------|---------|
| ACOUSTICAL CEILING MECHANIC..... | \$ 17.27 | 3.98 |
| BRICKLAYER..... | \$ 18.87 | 0.00 |
| CAULKER..... | \$ 15.36 ** | 0.00 |
| CEMENT MASON/CONCRETE FINISHER...\$ | 13.93 ** | 0.00 |
| DRYWALL FINISHER/TAPER.....\$ | 16.27 ** | 3.66 |
| DRYWALL HANGER AND METAL STUD INSTALLER.....\$ | 17.44 | 3.93 |
| ELECTRICIAN (Alarm Installation Only).....\$ | 17.97 | 3.37 |
| ELECTRICIAN (Low Voltage Wiring Only).....\$ | 18.00 | 1.68 |
| FLOOR LAYER: Carpet.....\$ | 20.00 | 0.00 |
| FORM WORKER.....\$ | 12.77 ** | 0.00 |
| INSULATOR - BATT.....\$ | 14.87 ** | 0.73 |
| IRONWORKER, REINFORCING.....\$ | 12.14 ** | 0.00 |
| LABORER: Common or General.....\$ | 11.76 ** | 0.00 |
| LABORER: Mason Tender - Brick...\$ | 13.47 ** | 0.00 |

| | | |
|---|-------------|------|
| LABORER: Mason Tender - Cement/Concrete..... | \$ 10.48 ** | 0.00 |
| LABORER: Pipelayer..... | \$ 12.94 ** | 0.00 |
| LABORER: Roof Tearoff..... | \$ 11.28 ** | 0.00 |
| LABORER: Landscape and Irrigation..... | \$ 9.52 ** | 0.00 |
| LATHER..... | \$ 19.73 | 0.00 |
| OPERATOR: Backhoe/Excavator/Trackhoe..... | \$ 13.94 ** | 0.00 |
| OPERATOR: Bobcat/Skid Steer/Skid Loader..... | \$ 13.93 ** | 0.00 |
| OPERATOR: Bulldozer..... | \$ 22.75 | 0.00 |
| OPERATOR: Drill..... | \$ 16.22 ** | 0.34 |
| OPERATOR: Forklift..... | \$ 16.00 ** | 0.00 |
| OPERATOR: Grader/Blade..... | \$ 13.37 ** | 0.00 |
| OPERATOR: Loader..... | \$ 13.55 ** | 0.94 |
| OPERATOR: Mechanic..... | \$ 17.52 | 3.33 |
| OPERATOR: Paver (Asphalt, Aggregate, and Concrete)..... | \$ 16.03 ** | 0.00 |
| OPERATOR: Roller..... | \$ 16.00 ** | 0.00 |
| PAINTER (Brush, Roller and Spray), Excludes Drywall Finishing/Taping..... | \$ 17.24 | 4.41 |
| ROOFER..... | \$ 15.40 ** | 0.00 |
| SHEET METAL WORKER (HVAC Unit Installation Only)..... | \$ 20.05 | 2.24 |
| TILE FINISHER..... | \$ 12.00 ** | 0.00 |
| TILE SETTER..... | \$ 16.17 ** | 0.00 |
| TRUCK DRIVER: 1/Single Axle Truck..... | \$ 14.18 ** | 0.00 |

| | | |
|--|-------------|------|
| TRUCK DRIVER: Dump Truck..... | \$ 12.39 ** | 1.18 |
| TRUCK DRIVER: Flatbed Truck..... | \$ 19.65 | 8.57 |
| TRUCK DRIVER: Semi-Trailer Truck..... | \$ 12.50 ** | 0.00 |
| TRUCK DRIVER: Water Truck..... | \$ 12.00 ** | 4.11 |
| WATERPROOFER..... | \$ 14.39 ** | 0.00 |

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

=====

** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.20) or 13658 (\$12.90). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an

interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION"

EXHIBIT "B"

**CERTIFICATE FROM CONTRACTOR APPOINTING OFFICER OR EMPLOYEE
TO SUPERVISE PAYMENT OF EMPLOYEES**

Project Name _____

Project WBS#: _____ Date _____

(I) (We) hereby certify that (I am) (we are) the prime Contractor for _____

(specify type of job)

in connection with construction of the above-mentioned Project, and that (I) (we) have appointed _____, whose signature appears below, to supervise the payment of (my) (our) employees beginning _____, 20____; that he/she is in a position to have full knowledge of the facts set forth in the payroll documents and in the statement of compliance required by the Copeland Act and the City of Houston, which he/she is to execute with (my) (our) full authority and approval until such time as (I) (we) submit to the City of Houston a new certificate appointing some other person for the purposes hereinabove stated.

(Identifying Signature of Appointee) Phone: _____

Attest: _____
(Name of Firm or Corporation)

By: _____
(Signature)

By: _____
(Signature)

(Title)

(Title)

NOTE: This certificate must be executed by an authorized officer of a corporation or by a member of a partnership, and shall be executed prior to and be submitted with the first payroll. Should the appointee be changed, a new certificate must accompany the first payroll for which the new appointee executes a statement of compliance required by the Copeland Act and the City of Houston.

EXHIBIT "C"

CERTIFICATE FROM SUBCONTRACTOR APPOINTING OFFICER OR EMPLOYEE
TO SUPERVISE PAYMENT OF EMPLOYEES

Project Name _____

Project WBS#: _____ Date _____

(I) (We) hereby certify that (I am) (we are) the prime Contractor for _____

_____ (specify type of job)
in connection with construction of the above-mentioned Project, and that (I) (we) have appointed
_____, whose signature appears below, to supervise the
payment of (my) (our) employees beginning _____, 20__; that he/she is in a
position to have full knowledge of the facts set forth in the payroll documents and in the statement
of compliance required by the Copeland Act and the City of Houston, which he/she is to execute
with (my) (our) full authority and approval until such time as (I) (we) submit to the City of Houston
a new certificate appointing some other person for the purposes hereinabove stated.

_____ Phone: _____
(Identifying Signature of Appointee)

Attest: _____
(Name of Firm or Corporation)

By: _____ By: _____
(Signature) (Signature)

_____ _____
(Title) (Title)

NOTE: This certificate must be executed by an authorized officer of a corporation or by a member
of a partnership, and shall be executed prior to and be submitted with the first payroll. Should the
appointee be changed, a new certificate must accompany the first payroll for which the new
appointee executes a statement of compliance required by the Copeland Act and the City of
Houston.

END OF DOCUMENT



Pay or Play Program Operating Procedures

Background

The Pay or Play Program was established with Ordinance 2007-534 on July 1, 2007 and is governed by Executive Order 1-7. The Pay or Play Program (POP) creates a more level playing field and enhances fairness in the bid process between competing contractors that choose to offer health benefits to their workforce and those who do not. The program also recognizes and accounts for the fact that there are costs associated with providing health care for the uninsured citizens of Houston and Harris County area.

Administration:

- Vendors are required to begin complying with POP within 30 days of contract award by utilizing the designated system, *B2G Workforce Module*, at <https://houston.mwdbe.com> to complete/review POP activities.
- Vendors are required to utilize *JP Morgan Chase Pay Connexion (Pay Connexion)* portal that will accept POP payments electronically. B2G Workforce Module will provide a direct link to *Pay Connexion* where contractors may submit payment via Debit Card, Credit Card, Automated Clearing House (ACH) and/or Electronic Checks (e-checks). Contractors will be charged a convenience fee per transaction.
- Vendors who onboard new employees are allowed a 60-day waiting period upon each new employee's start date to begin participating in POP. After the 60-day period has lapsed, Vendor must include the employee in POP reporting.
- The Office of Business Opportunity (OBO) has citywide administrative oversight of the program, including audit responsibilities. Vendor's compliance with POP requirements will be directly managed by the City Department with whom Vendor has contracted (Contracting Department). Questions about POP should be referred to the Contracting Department's POP Liaison. A contact list for POP Liaisons is available at <http://www.houstontx.gov/obo/popforms.html> or by contacting the OBO POP Administrator at 832-393-0633 or Brianne.Maxwell@houstontx.gov.



Pre-bid/Pre-Proposal Forms:

- Vendors must complete and return the following forms before contract award by the Contracting Department:
 - *Acknowledgment Form* (POP-1)
 - *Certification of Compliance* (POP-2)
 - *Participating Subcontractors Form* (POP-3)

Prime/Subcontractor Waiver Request (Form POP-4):

- Completed by Contracting Department prior to City Council approval contract award, for contract(s) that may meet exemption criteria as stated in EO 1-7. Form POP-4 must be signed by Contracting Department and forwarded, along with supporting documentation, to OBO POP Administrator for final decision.
- A new Form POP-4 is not needed for contract amendments and/or extensions, as the POP requirements in the original contract continues to apply.
- Contractors that utilize self-employed, owner/operator individuals to complete services (e.g., Truck Drivers, Day Laborers, 10-99, etc.) are POP exempt.
- Vendors should not submit a Form POP-4 for contracts enumerated in section 4.2 of EO 1-7, as those contracts are not covered under POP.

Pay Option Reporting (Workforce Audit):

- Vendors will create a *Workforce Employee List* showcasing all active employees working on the City of Houston project. Vendors will complete a weekly workforce audit by the end of each month. Vendors must provide the Total Hours Worked and individual Hours Worked by each covered employee as part of the weekly workforce audit.
 - Total Hours Worked = Total Number of Hours Employee worked for Employer.
 - Hours Worked = Total Number of Hours Employee worked on COH project.

Invoice Submission:

- Invoices are created from monthly *Workforce Audits* reports. Payments are due to the contracting department 30 business days after receipt of invoice. Payments



may be made through the *Pay Connexion*. Prime Vendor is responsible to the City for compliance of covered employees of covered subcontractors.

- Vendors will “Pay” by contributing \$1.00 per covered employee per regular hour for work performed under the contract with the City, not to exceed \$40.00 per employee.
 - POP will not accept partial payments; invoices must be paid in full.

Play Option Reporting (Workforce Audit):

- Vendors will create a *Workforce Employee List* showcasing all active employees working on the City of Houston project.
- Vendors will complete a quarterly workforce audits by month end of October, January, April, and July by providing proof of insurance for all active and covered employees for previous three (3) months.
- Vendors will “Play” by providing health benefits to covered employees. Health benefits must meet or exceed the following standards:
 - The employer will contribute no less than 75% of the monthly premium toward the total premium cost covered employee per month.
 - The employee contribution, if any amount, will be no greater than 25% of the monthly premium cost.

Note: Proof of coverage (in the form of the most current Company Insurance invoice or individual employee insurance card) for POP covered employees that work on the City Project.

Employee Waiver Request (Form POP-8):

- Vendor may request employee POP program waiver by submitting a request on the City of Houston Pay or Play (POP) *Employee Waiver Request* (Form POP-8); if a covered employee has refused health coverage through their employer or if a covered employee has acquired health coverage on their own.
 - Vendor will attach approved Form POP-8 to respective employees’ workforce profile in the designated system.



Self-Insured Contractor Request (Form POP-9):

- Vendor may request for Self-Insured Status if the employer is using their own money to cover their employees' claims.
- Vendors awarded Self-Insured Status will be PLAY participants and required to report once a year.