



City of Houston ENGINEER

SALARY	\$3,749.37 - \$4,121.07 Biweekly	LOCATION	Houston, TX
JOB TYPE	Full Time	JOB NUMBER	38233
DEPARTMENT	Houston Airport System	OPENING DATE	02/25/2026
CLOSING DATE	3/3/2026 11:59 PM Central		

POSITION OVERVIEW



Applications will be accepted from: **ALL Persons Interested**

Division/ Section: **HAS- Infrastructure Design**

Workdays & Hours: **Monday – Friday 8:00 am – 5:00 pm* (*Subject to change)**

PURPOSE OF DIVISION

The purpose of the Infrastructure Division is to manage the life cycle of the infrastructure assets at the Houston Airports (HAS) and ensure the on-time delivery of capital renewal projects. The Infrastructure Division supports the five-star service and safe, secure, and efficient, operation of the three HAS airports. This support is done through effective asset management, project controls, design management, project management, construction management, and commissioning.

The Design Management business unit, of the HAS Infrastructure Division, is responsible for establishing, maintaining, and enforcing HAS design standards. In addition, they act as a resource to other departments assisting in the creation of architectural and engineering projects of all kinds, including demolitions, renovations, and new construction, as required to maintain the airports building assets in optimal condition.

PURPOSE OF THE POSITION

The Engineer is responsible to the Assistant Director, Design Management. This position will have a focus on reviewing and managing Electrical design and will be the subject matter expert in electrical reviews and assessment of infrastructure assets. Although the focus for this position will be electrical, this position will assist in managing all design activities for airfield, terminals, and landside facilities and infrastructure. This will be a tier 1 position that may be activated to perform infrastructure assessments as needed.

"Candidates must be able to obtain all security required badge access including Custom Border Patrol access within 6 months from the hire date."

The Engineer responsibilities of this position include, but are not limited to:

- Coordinates the implementation of various drawings, plans, projects and contracts.
- Reviews and updates plan, specifications and cost estimates.
- Prepares and reviews technical correspondence, reports, procedural guidelines and project schedules.
- Interfaces with departments, consultants, technical professionals and general public to address inquiries.
- Develops reports and other administrative documents.
- Provides technical support and expertise on various projects, plans and programs.
- Conducts on-site field observations and inspections.
- Interprets codes to ensure consistent applications.
- Participates in hearings, meetings and conferences.
- Assists in preparing contract documents, evaluation of bids, responses to vendor inquiries and awards contract correspondence.
- Reviews and monitors work activities performed by external consultants.
- Coordinates special projects.
- Lead design review workshops, structural coordination sessions, and value-engineering exercises
- Establish and enforce design standards, workflows, and peer-review checkpoints
- Managing design timelines and deliverables
- Overseeing design reviews and approvals
- Coordinating design changes during construction
- Using tools like BIM (Building Information Modeling) and CAD for accuracy and clash detection
- Documenting design decisions for accountability and future reference

WORKING CONDITIONS

The position is physically comfortable; the individual has discretion about walking, standing, etc. There are occasional minor discomforts from exposure to less-than-optimal temperature and air conditions. The position may involve dealing with modestly unpleasant situations, as with occasional exposure to office chemicals and/or extensive use of a video display terminal. Requires the ability to make coordinated gross motor movements in response to changing external stimuli within moderately demanding tolerances; or the ability to make coordinated eye/hand movements on a patterned response space within low tolerance demands with no real speed requirements.

MINIMUM REQUIREMENTS

EDUCATION:

Requires graduation from an approved curriculum in Engineering by the State Board of Registration for Professional Engineers with satisfactory standing.

OR

Requires graduation from an Engineering or related science curriculum at a recognized institution of higher education, other than a curriculum approved by the Board, and passage of the eight-hour fundamentals of engineering examination prescribed by the Board.

CERTIFICATE/LICENSE:

Requires registration as a Professional Engineer in the State of Texas. A specific branch of engineering (such as civil, mechanical, structural, etc.) may be required.

Engineers from out-of-state must be hired in a position directly under the supervision of a Professional Engineer licensed by the State of Texas; AND obtain their license as a Professional Engineer in the State of Texas within six months from date of hire for continued employment with the City of Houston.

May require a valid Texas driver's license and compliance with the City of Houston's policy on driving.

EXPERIENCE:

Four years of active practice in engineering work after graduation from an approved curriculum in engineering are required.

A Master's Degree in Engineering may be substituted for up to two years of the above experience requirement.

PREFERENCES

- *Professional Engineer with Electrical Discipline. A mechanical engineer, structural engineer, or civil with strong experience in design review may be acceptable.*
- *Extensive understanding of project and program management principles, methods, and techniques.*
- *Knowledge and understanding of design and project control software such as AutoCAD, BlueBeam, Microsoft Project, and other scheduling and estimating software.*
- *High level proficiency in Microsoft Office.*
- *Experience with project scope/fee writing and evaluation.*
- *Experience with detail project cost estimating.*
- *Experience with CMAR and Design-Build construction delivery methods.*
- *Knowledge of Houston Airport System Design Manual and FAA Advisory Circulars.*
- *Credentials in ACE or AAEE preferred.*
- *Experience in airport design and/or aviation facilities preferred.*

******Preference shall be given to eligible veteran applicants provided such persons possess the qualifications necessary for competent discharge of the duties involved in the position applied for, such persons are among the most qualified candidates for the position, and all other factors in accordance with Executive Order 1-6.******

GENERAL INFORMATION

SELECTION/SKILLS TESTS REQUIRED

The selection process will involve application review and/or interview. Department may administer skills assessment test.

SAFETY IMPACT POSITION - YES

If YES, this position is subject to random drug testing and if a promotional position, candidate must pass an assignment drug test.

Pay Grade26

SALARY INFORMATION

Factors used in determining the salary offered include the candidate's qualifications as well as the pay rates of other employees in this classification.

APPLICATION PROCEDURES

Only online applications will be accepted for this City of Houston job and must be received by the Human Resources Department during active posting period. Applications must be submitted online at: www.houstontx.gov.

To view your detailed application status, please log-in to your online profile by visiting: <http://agency.governmentjobs.com/houston/default.cfm> or call (281-233-1577).

If you need login assistance or technical support call 855-524-5627. If you need special services or accommodations, call (281-233-1043). (TTY 7-1-1) **Due to the high volume of applications received, the Hiring Department will**

contact you directly, should you be selected to advance in our recruitment process.

Applicants are encouraged to attach a cover letter and resume along with their completed application when applying. For further information pertaining to the Houston Airport System, please visit:

https://www.youtube.com/watch?v=EDWLV_sJFoM.

EOE Equal Opportunity Employer

The City of Houston is committed to recruiting and retaining a diverse workforce and providing a work environment that is free from discrimination and harassment based upon any legally protected status or protected characteristic, including but not limited to an individual's sex, race, color, ethnicity, national origin, age, religion, disability, sexual orientation, genetic information, veteran status, gender identity, or pregnancy.

Employer

City of Houston

Address

901 Bagby St

Houston, Texas, 77002

Website

<https://www.houstontx.gov/>

ENGINEER Supplemental Questionnaire

***QUESTION 1**

Are you a veteran who served on active duty in the Armed Forces (United States Army, Navy, Air Force, Marine Corps, or Coast Guard) for more than 90 consecutive days and received either an honorable discharge or a general discharge under honorable conditions?

- Yes
 No

***QUESTION 2**

Are you a Houston Airport System employee?

- Yes
 No

***QUESTION 3**

Please select the highest level of education completed.

- Bachelor's degree
 Master's degree or higher
 None of above

***QUESTION 4**

Please indicate the degree concentration you obtained ("See Resume" is Not acceptable, if statement does not apply, please insert N/A)

***QUESTION 5**

Did you graduate from an approved curriculum in Engineering that is approved by the State Board of Registration for Professional Engineers with satisfactory standing? OR Did you graduate from an Engineering or related Science curriculum at a recognized institution of higher education, other than a curriculum approved by the Board AND passed the (8) eight-hour fundamentals of Engineering examination prescribed by the Board?

- Yes
- No

***QUESTION 6**

If graduated from an engineering or related science curriculum at a recognized institution approved by the Board; Did you pass the required Eight (8) hour fundamentals of engineering examination prescribed by the State Board of Registration for Professional Engineers?

- Yes
- No

***QUESTION 7**

Are you currently registered as a Professional Engineer in the State of Texas?

- Yes
- No
- No, but registered in another state

***QUESTION 8**

If you answered "Yes" to question#7, please list the Professional Engineering license and ID#.

***QUESTION 9**

How many years have you been a licensed Professional Engineer?

- Less than 2 years
- 2 years
- 3 years
- 4 years or more
- Not registered

***QUESTION 10**

Do you have a valid Texas Driver's License?

- Yes
- No

***QUESTION 11**

How many verifiable years of active practice in engineering work AFTER graduation from an approved curriculum do you have?

- Less than 2 years
- 2 years to 3 years
- 3 years to 4 years
- 4 years to 5 years

- 5 years or more
- No experience

***QUESTION 12**

Please indicate the type of Engineering degree you possess.

- Mechanical Engineering
- Electrical Engineering
- Civil Engineering
- Structural Engineering
- None of the above

***QUESTION 13**

I have experience and/or knowledge in the following areas. (Please check all that apply).

- Project Design Management
- Manage Design Page Turns
- Manage Project Design Engineer Teams
- Design Change Management
- Use of software (AutoCAD, Bluebeam, Etc.)
- Electrical Design Review

***QUESTION 14**

Do you have experience working on project teams as a Design Manager from an owner's perspective (working as an owner's representative from a design team for a government run project.) being responsible for the design phase of a project and working closely with project managers to achieve the project objectives? If you answer YES, please explain ("See Resume" is Not acceptable. If No experience, please enter N/A).

***QUESTION 15**

Do you have experience reviewing design firm pay applications and contractor schedule of values during project execution from an owner's perspective (working as an owner's representative from a design team for a government run project.) If you answer YES, please explain ("See Resume" is Not acceptable. If No experience, please enter N/A).

***QUESTION 16**

Do you have experience in managing budgets from a design manager's perspective such as understanding and negotiating design fee's and managing the design to fit within the budget set for construction from an owner's perspective (working as an owner's representative from a design team for a government run project.)? If you answer YES, please explain ("See Resume" is Not acceptable. If No experience, please enter N/A).

***QUESTION 17**

Do you have experience working as a Design Manager from an owner's perspective (working as an owner's representative from a design team for a government run project.) being responsible for the managing the schedule with the design firms your responsible for ensuring the design is on schedule to complete? If you answer YES, please explain ("See Resume" is Not acceptable. If No experience, please enter N/A).

***QUESTION 18**

Do you have experience working on project teams as a Design Manager from an owner's perspective (working as an owner's representative from a design team for a government run project.) being responsible for the design phase of a project ensuring all owner requirements are met per the design standards? If you answer YES, please explain ("See Resume" is Not acceptable. If No experience, please enter N/A).

***QUESTION 19**

Do you have experience working on project teams as a Design Manager from an owner's perspective (working as an owner's representative from a design team for a government run project.) being responsible for the RFI/Submittal review during construction ensuring the firm meets the contractual requirements for review timeframes while working in a collaborative manner with the Project Manager and Contractor on priority review? If you answer YES, please explain ("See Resume" is Not acceptable. If No experience, please enter N/A).

***QUESTION 20**

Do you have experience conducting plan reviews (code compliance, design standards & owners interest) in your perspective discipline across multiple projects as a Design Manager from an owner's perspective (working as an owner's representative from a design team for a government run project.) being responsible for giving comments to multiple stakeholders and project teams? If you answer YES, please explain ("See Resume" is Not acceptable. If No experience, please enter N/A).

***QUESTION 21**

Have you worked on electrical infrastructure design for construction projects?

- Yes
- No

***QUESTION 22**

Have you coordinated electrical installations with construction contractors?

- Yes
- No

***QUESTION 23**

How many verifiable years do you have Creating and reviewing electrical schematics, wiring diagrams, and layouts using CAD and design software (AutoCAD Electrical, ETAP, etc.).

- Less than 2 years
- 2 years to 4 years
- 4 years to 6 years
- 6 years or more
- No experience

***QUESTION 24**

Have you designed or maintained Power Distribution Systems in large-scale infrastructure like Airports?

- Yes
- No

***QUESTION 25**

Have you prepared or reviewed electrical design documentation specifically for airports?

Yes

No

***QUESTION 26**

Have you been involved in ensuring electrical systems meet aviation industry standards (e.g., FAA, ICAO)?

Yes

No

*** Required Question**