



Design Engineer IV

Position Summary:

An experienced position, a Design Engineer IV supports senior and upper level professional engineers in design, development, and the provision of services/products for air transportation industry clients by applying engineering principles and technologies so as to exceed clients' expectations.

Tasks:

Under the general guidance and supervision of professional engineers, incumbent performs a variety of engineering planning, design and construction phase assignments on a range of airfield projects such as:

- Horizontal and vertical geometry
- Grading and drainage
- Erosion and sediment control
- Pavement design
- Quantity take-offs
- Prepares clear and concise reports
- Understanding of project phasing and scheduling
- Prepare plans and specifications
- Interprets Federal Aviation Administration and other regulatory design standards

Knowledge, Skills and Abilities:

General Knowledge:

- Aviation knowledge or experience required
- Broad knowledge and skills of civil engineering principles, practices, and methods
- Independently evaluates, selects, and adapts standard techniques, procedures, and criteria
- General knowledge of principles and practices of related fields, and ability to function on multidisciplinary teams
- Works on multiple projects of moderate size or portions of major projects

Technical Responsibilities and Skills:

- Design a complete project, system, component, or process
- Prepares complete project documents
- Designs and conducts experiments and analyzes and interprets data
- Formulates and solves problems
- Skilled in Civil engineering/design/CADD software and other PC software packages typically associated with engineering required
- Skilled in AutoCAD Civil 3D required

Abilities:

- Effective written and verbal communication skills which also includes successfully communicating technical information to non-technical persons
- Interacts with clients, customers, officials, contractors and others
- Attends project meetings and presents specific aspects of engineering assignments
- Willingness and ability to work pre-determined and unscheduled hours beyond 40 hours per week as needed



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Managerial Responsibilities:

- Assigns tasks to and directs engineers, technicians, or administrative staff
- Trains and mentors junior staff
- Plans and coordinates detailed aspects of engineering work
- Prepares scopes, budgets, and schedules for assignments
- Assists with proposals to provide services or obtain funding for projects or programs

Physical Requirements:

- Vision- near, color vision, and ability to focus:
 - Near Vision Acuity- requires clarity of vision at 20 inches or less and ability to read small text/print on documents and computer screen
 - Color – ability to identify and distinguish colors
 - Adjust focus- ability to adjust the eye to bring an object into sharp focus
- Light physical activity- requires exertion up to 20 lbs. of force and/or up to 10 lbs. of force frequently, and/or a negligible amount of force constantly to move objects
- Sitting- remains in seated position for extended periods of time
- Work under adverse conditions such as inclement weather and around heavy construction

Qualifications:

- Bachelor of Science or Master of Science Degree in Civil Engineering or Engineering Technology from an ABET/EAC accredited program
- Minimum 5 years of engineering experience; Professional Engineer License required

Attributes:

- Team player
- Enthusiastic, resourceful, and effective service attitude
- Self-starter
- Comfortable working in a fast paced and frequently changing environment with multiple and competing deadlines.

Disclaimer:

The above statements are intended as only a summary of the typical functions, general nature and level of work being performed by persons in this job. It is not an exhaustive or comprehensive list of all job responsibilities, tasks, and duties. ADCI management reserves the right to amend and change, as necessary, any responsibilities, tasks or duties to meet business and organizational needs.



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I have reviewed and understood the preceding job functions required of the position should I be offered and willing to accept an offer of employment with Airport Design Consultants, Incorporated. I am prepared to meet the requirements of the position:

Without additional accommodation

With reasonable accommodation described below:

I am not prepared to meet the responsibilities of this position.

Signature

Date

Print Name