

AgriLife Position Description

Last reviewed: 04/20/06

9426
AGRICULTURAL CONSTRUCTION ENGINEER
07/20/99

SUMMARY

General Description: Responsible for design, development of plans and specifications, administration, and inspection of construction, renovation, and maintenance projects. Typically, the work involves projects at TAMU Agricultural Research and Extension sites around the state.

DUTIES

Typical: Provides engineering and technical guidance to research and extension units relative to day to day problems; works with administrators, managers, and users to design, coordinate design, and estimate costs of construction, renovation and maintenance projects involving buildings, support facilities, infrastructure, utilities, aquaculture/mariculture and/or irrigation/drainage activities; develops plans and specifications for bidding and construction in accordance with good engineering practice, current laws, and System regulations; ensures that plans bear the seal of an engineer registered in the state of Texas as required by law; inspects projects to ensure that all work is in accordance with plans and /or specifications; other essential job related duties as required.

SUPERVISION

Received: Description of needs, periodic review of proposed and completed projects, and budgetary considerations.

Given: Explanation of work assignment(s) and desired result; monitor or supervise work in progress as deemed appropriate and review of final product.

EDUCATION

Required: Bachelor's degree in agricultural, civil or mechanical engineering; five years of related and progressively responsible engineering experience; construction experience; registration as a professional engineer in Texas; and valid driver's license.

EXPERIENCE

Required: Some supervisory experience of drafting and/or engineering job occupations. Supervision of commercial construction.

KNOWLEDGE, ABILITIES AND SKILLS

Required: Ability to effectively use personal computer to communicate with clientele, to prepare work plans, prepare project specifications, presentations and reports; familiarity with AutoCAD R14/2000 and plotters; effectively use surveying equipment.