



Status: Exempt
Title: Ag Engineer
Department: Ranch/ Land & Water Resources
Reports to: Senior Ag Engineer

Job Code: E-210-007

Position Summary:

Perform functions to manage projects from design to implementation for Lykes Bros.' properties, guided by the precedent and working within the limits of established policies.

Essential Functions:

- Responsible for the construction management of water management systems, culverts, irrigation systems, and other assigned structures or systems.
- Design systems and equipment for exploration into new methodology and technologies for Ranch and land management. Prepare reports, sketches, working drawings, specifications, proposals, and budgets for proposed projects. Design agricultural machinery components and equipment, using computer-aided design (CAD) technology.
- Working under the Senior Ag Engineer, manage Lykes Bros Inc. construction projects for quality and regulatory compliance.
- Operate, maintain, and collect data from existing water storage projects. Process data collected. Coordination with state agencies for operation of water storage projects and data reporting.
- Communicate the intent of plans with management, contractors, consultants, and other engineers so that the plans can be evaluated and any necessary changes made. Provide assistance and recommendations to other divisions relating to construction projects, irrigation, and drainage. Perform all duties within set regulations and policies.
- Use of survey and mapping equipment.
- Creation of GPS based maps displaying data using ESRI ArcGIS software.
- Field based tasks include collecting and locating field data, specific to the project, to document and communicate project details to accomplish the project goals.
- Office based tasks include post-processing and reporting of field collected data, developing and managing project designs, production of both electronic and hardcopy mapping products to communicate the collected and processed data.



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Other Duties:

- Perform or assist with any operations, as required to maintain workflow and to meet schedules and quality requirements.
- Participate in any variety of meetings and work groups to integrate activities, communicate issues, obtain approvals, resolve problems and maintain specified level of knowledge pertaining to new developments, requirements, and policies.
- Perform other related duties as assigned.

Competency:

- Thorough working knowledge of Microsoft Office, including the ability to create, manage, and manipulate Microsoft Excel spreadsheets to evaluate and calculate information based on existing or created databases. Basic working knowledge of other specialty software, including AutoCAD and ArcGIS with the ability to improve those skills as needed.
- Strong written, verbal, and public speaking skills.
- Proven project management and construction plan development skills.
- Knowledge of local, state, and federal regulations for engineering plans.
- Excellent analytical skills required.
- Valid Florida Driver License with insurability.

Education/Experience Requirements:

- Bachelor of Science degree in Engineering.
- Minimum one year of experience



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Physical Requirements:

While performing the duties of this job, the individual is regularly required to stand, walk, sit, talk and hear. The individual is occasionally required to climb or balance; walk on uneven surfaces, stoop, kneel, crouch or crawl. Specific vision abilities required by this job include close, distance and peripheral vision. While the position has office-related responsibilities, there are periods of intense physical activity required during field work and site visits. Occasionally may be required to lift and carry up to 50 pounds.