

*Agriculture is Life!*

**Services Provided and Things To Be Aware Of**

Texas A&M AgriLife - Engineering Services provides engineering design, bidding, inspection and administration for construction and facility maintenance/renovation/repair projects. Typically, our projects are located outside of Brazos county and are handled on a first come first serve basis unless priority dictates otherwise. Our responsibilities include new construction \$5,000 - \$1,000,000 and renovations \$5,000 - \$2,000,000 which are by definition delegated to the Vice Chancellor's authority. Engineering Services also serves as a resource for information and technical advice to all users for any size construction and facility maintenance/renovation/repair related issue. Projects above these amounts must go through TAMUS Facilities, Planning and Construction. State bidding procedures require a "good faith effort" to solicit HUB contractors/subcontractors and all contractors doing work at our facilities are required to have acceptable insurance. Also by law, all projects involving engineering and/or architecture that are greater than \$8,000 - \$20,000 (depending on discipline) are required to be designed and inspected by an individual licensed in the State of Texas. As state agencies, this applies to AgriLife Research, AgriLife Extension, Texas Forest Service and Texas Veterinary Medical Diagnostic Lab facilities. (This does not necessarily apply to private projects unless any portion is for public use.) Projects are usually designed in-house, but when circumstances dictate our office must facilitate the qualifications based selection of outside professional services (all engineers/architects regardless of cost) to assist as necessary.

Examples of various types of projects we handle include but are not limited to the following:

- Building construction
- Building renovations and repairs including roofs
- Site work including grading, paving, drainage and storm water issues
- Structural and Bridges
- Mechanical including heating, ventilation, air conditioning, air compressors, vacuum pumps, related duct work and controls
- Electrical including lighting and some telecommunications
- Plumbing including underground water and gas piping
- Life safety issues
- Fire safety issues including alarm and sprinkler systems
- Accessibility issues (per ADA/Texas Accessibility Standard)
- Security issues including access control systems with electronic locks, card readers, keypads
- Miscellaneous code issues
- Energy conservation as related to lighting, insulation, materials, methods of construction, etc.
- Water wells including potable and irrigation, tanks, controls, etc.
- Irrigation systems including pumps, piping, center pivot, linear, sprinkler, drip, drip tape, etc.
- Waste water including sewage, treatment plants and various types of septic systems
- Greenhouses including equipment and controls
- Ponds, raceways and liners
- Fences including chain link, field, welded steel, gates and automatic operators