



Manufacturing

Food and Beverage

Client
Bush Brothers & Company

Location
Dandridge, TN, USA

Canned Bean Food Production Building

Increasing its capacity to produce canned bean product within an existing facility, Bush Brothers selected CH2M HILL to design and construct a new 272,000 square foot building at its Chestnut Hill plant. The facility is USDA ready, designed to meet rigorous sanitation and cGMP standards. Executing this EPC project, CH2M HILL procured 100 percent of the equipment and designed 25 percent of the process equipment.

Project scope included:

- Working with Bush Brothers to reduce the scope to fit budget constraints saved \$1.7 million.
- Specifying pulse-start lighting fixtures saved nearly \$500,000 in capital and energy costs.
- Working with the state to approve a grant for an industrial access road and infrastructure improvements saved additional site preparation costs of nearly \$1 million.

Features of the project included:

- The building is constructed entirely of precast concrete with premium wall and floor coatings.
- A utility service area on the second floor conveniently located above the process areas houses piping, electrical utilities, and HVAC.
- The facility utilizes all state-of-the-art process equipment and process control systems.