

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)

20. EXAMPLE PROJECT KEY NUMBER

3

21. TITLE AND LOCATION <i>(City and State)</i> Lake Tholocco Dam Ft. Rucker, Alabama	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2000	CONSTRUCTION <i>(If applicable)</i> 2000

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER US Army Corps of Engineers – Mobile District	c. POINT OF CONTACT NAME Mike McKown	c. POINT OF CONTACT TELEPHONE NUMBER (251) 691-2681
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost.)*

PROJECT DESCRIPTION

Lake Tholocco Dam was constructed by the CCC in the 1930s as a 38 ft high earth embankment to form a 600 acre recreation lake. It was first used by the local residents in the Dothan, Alabama area, and then later also by the troops stationed at Ft. Rucker, the largest helicopter training center in the world.

The dam has had a poor record with respect to dam safety. The dam failed twice in the 1990s. The first breach was in 1990 when a huge storm dumped 14.5 inches of rain on the site in just five hours. Then, after repairs had been made to the washed out area, the embankment breached four years later causing a complete loss of the reservoir again. In both cases, water overtopped the embankment and quickly eroded the old earthen spillway.

The Corps of Engineers Mobile District decided to rehabilitate the dam by filling in the breached area and applying a 1550 ft long RCC overlay on the 1 on 6 downstream slope to allow safe overtopping of the embankment during flooding.

PROJECT HIGHLIGHTS

- Longest RCC auxiliary spillway in the eastern USA
- First RCC overlay by Corps of Engineers Mobile District
- Formed stepped auxiliary spillway

PROJECT COSTS

- Firm's Amount: \$28,700 (fee)

SERVICES PROVIDED

Because this was the first use of RCC in a project by the Mobile District, Ken Hansen was retained as the District's RCC consultant (through Kellogg Brown & Root). His tasks included as an independent technical review (ITR) of the design, plans and specifications, RCC mixture proportioning studies, aid with construction of the RCC test section, as well as training on-site Corps inspectors. The dam remediation cost \$1,435,000, and required 26,000 cubic yards of RCC



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE