

SCOPE OF WORK
Cross Section Surveys
Big Cypress Bayou, TX

1. Description of Work:

The Contractor shall perform topographic surveys on Big Cypress Bayou. Limits of this survey are from downstream of the confluence of Big Cypress and Little Cypress Creeks, which is approximately river mile 57.4, upstream to the confluence of the emergency spillway channel at Lake O' the Pines, which is approximately river mile 81.2. Surveyed cross sections must be taken at locations laid out on USGS quad sheets and provided as part of the Government supplied information. This survey is necessary for the refinement of a low-flow hydraulic model.

2. Information Supplied by the Government:

a. Web site to download Metadata information is: <http://corpsgeol.usace.army.mil/> Choose "How to Submit Metadata and Data". You will also need "Download Metadata Software" – Download CORPSMET95.

b. Scanned quad sheets with cross section location and orientation laid out. River crossings with limits of top of road survey will also be marked.

c. The resulting data collected for this project will meet the standards established in Corps of Engineers Engineering Manual EM 1110-2-1003, dated 1 January 2002 Chapter 11.

3. Work to be Performed by the Contractor:

As part of this task order the Contractor must survey the defined cross sections and river crossings as defined in 2.b. above.

The Contractor shall provide equipment, supplies and personnel utilizing DGPS positioning to perform the surveys. Specific work shall include:

a. In-channel sounding shall be taken along range lines spaced as defined on the government provided map and extending up-slope to approximately 100-feet beyond high bank.

b. Horizontal and vertical control shall be based on USGS monuments located during the 5 September 2006 site visit.

c. Survey data must be submitted in such a format as to facilitate seamless importation into digital DEM data currently available.

4. End Results Expected:

a. Plot surveys. Scale shall be 1" = 50'. A DGN file with the whole area shall be included

b. CD Rom containing the 3D CADD digital data files surveys, fully operational on the District Bentley Microstation system. If for any reason a drawing needs to be resubmitted, all files that were on the original disk shall be included such that the original disk can be destroyed.

c. An ASCII file shall be submitted to the Corps of Engineers with Metadata information for this project. A metadata file compliant with the Federal Geographic Data Committee (FGDC) Content Standards for Digital Geospatial Metadata shall be produced for all aspects of this task order. The Corp of Engineers will provide a

Metadata generation package (CORPSMET) to generate these files upon request by the Contractor or the Contractor can use software of their choice as long as the FGDC compliant Metadata is produced. The Contractor shall produce FGDC compliant documentation files for all work completed under this task order according to the Federal Geographic Data Committee Standards, based on Executive Order 12906, "Coordinating Geographic Data Acquisition and Access: The National Spatial Data Infrastructure".

5. Schedule and Submittal:

The Contractor shall prepare and submit all pertinent data by 15 December 2006 to:

Corps of Engineers, EC-DC
819 Taylor Street
P.O. Box 17300
Fort Worth, TX 761020300
Attention Marie Vanderpool

6. Time Extensions:

In the event the schedule is exceeded due to causes beyond the control and without fault or negligence of the contractor, as determined by the Contracting Officer, this delivery order completion date will be extended one (1) calendar day for each day of delay.