

REQUEST FOR BOARD ACTION / CONTRACT CONTROL FORM

Tracking Number: 12

Date of Request: March 26, 2008

Date Request Received: March 28, 2008

Board Meeting Date Requested: April 21, 2008

Board Meeting Date Assigned: April 21, 2008

Short Title: Resolution Authorizing Approval Of Engineering Services Agreement With Camp Dresser And Mckee For Design, Bid And Construction Oversight Of 2mgd Water Treatment Plant And Approval Of Purchase Order In An Amount Not To Exceed \$1,333,784.

Request Status:
 Request is proceeding to Board of Commissioners
 More information is needed – see attached
 Request on hold – no further information needed
 Other:

Background: Pender County voters approved a \$17.5 million bond referendum in 2006 to construct a 2 MGD water treatment plant on Highway 421 near the Pender/New Hanover County border.

(Administrative Use Only)

In the Fall of 2007, after the Preliminary Engineering Report and the Environmental Assessments had been finalized, staff solicited, through the "Request For Qualifications" process, proposals from design firms to design, bid, and oversee construction of this plant. Four (4) proposals were received and four (4) firms were interviewed on December 13th. At the completion of the interview process, the firm of Camp Dresser & McKee (CDM) was selected as the unanimous choice of the panel to be the design firm. Staff then entered into fee negotiations with CDM. In consultation with USDA Rural Development, the funding agency, an agreement as to the fee schedule has been reached and is presented here for the Board's consideration.

CONTRACT TYPE

Renewal
 For Service(s)
 Intergovernmental – County as Grantee
 County as Grantor
 County Funds
 Other Funds:
 Revision
 For Equipment
 Federal Grantor
 State Grantor
 Grant or

Staff recommends approval of this resolution.

PURCHASING Budgeted Item: Yes No
Date Rec'd: Reviewed and Approved
 Comments on Reverse

Date Sent: Signed:

Specific Action Requested: The Board of Commissioners is requested to approve the Engineering Services Agreement with and authorize a purchase order to Camp Dresser & McKee for engineering services to design a 2 MGD water treatment plant based upon the following fees and charges:

ATTORNEY Reviewed and Approved
Date Rec'd: Legal Problem(s)
 Comments on Reverse

Date Sent: Signed:

1. Basic Services (including preliminary engineering services, final design, general services during construction and post construction services) at 5.76% of construction costs
Estimated construction cost of \$14.1 million = \$812,160 for Basic Services.
 2. Resident Project Representative Services = \$421,624
 3. Additional Services = \$100,000
- Total estimated engineering services = \$1,333,784

FINANCE Sufficient Funds Available
Date Rec'd: Not Available
 Budget Amendment Necessary
 Budgeted Amendment is Attached
 Comments on Reverse

Date Sent: Signed:

Please see attached detail sheet of fee proposal.

CLERK Signature(s) Required:
 Board Chairman/County Manager
 Other:

Requested by: Melinda Knoerzer
Department: Pender Utilities
Title: Administrative Assistant
Contact Phone: 910.259.1521
Contact Fax: 910.259.1579

Date Rec'd Approved by Board: Yes No
At meeting on

MANAGER'S RECOMMENDATION:

Respectfully Recommend Approval

AD
Initials

RESOLUTION: NOW THEREFORE BE IT RESOLVED by the Pender County Board of Commissioners that the Engineering Services Agreement with Camp Dresser & McKee to design and construct a 2 MGD water treatment plant is approved and a purchase order in the amount of \$1,333,784 is authorized. The Chairman/County Manager is authorized to execute any document necessary to implement this resolution.

60-407490-6040 Water Treatment Plant

AMENDMENTS:

MOVED _____ SECONDED _____

APPROVED _____ DENIED _____ UNANIMOUS

YEA VOTES: Williams ___ Tate ___ Blanchard ___ Brown ___ Rivenbark ___

J. David Williams, Jr., Chairman 04/21/08
Date

Attest 04/21/08
Date

Pender County, North Carolina
 2 mgd Water Treatment Facility & Transmission Mains Project
 Engineering Scope Items for Preliminary Engineering, Basic Services, Observation,
 Post-Construction, and Additional Services
 February 26, 2008

Revised March 25, 2008

Description	Engineering Cost	Percent of Construction
BASIC SERVICES (per EJCDC Exhibit C)	\$ 812,160	5.76%
Preliminary Engineering Services		
Study of Upflow Clarifier vs Conventional Treatment		
Topographic Surveying (excludes easements) - Water Treatment Plant Site and Pipeline Alignment		
Develop Conceptual Design Approach - Site and Facility Layout Drawings, Key Design Features		
Update Construction Cost Estimate (schedule, treatment process, construction type, etc.)		
Final Design and General Services During Construction		
Develop Final Design Package - 30%, 90%, and 100% submittals		
Discipline:		
1 - General		
2 - Civil for Plant Site		
3 - Mechanical/Process		
4 - Instrumentation		
5 - Electrical		
6 - Structural		
7 - HVAC		
8 - Plumbing		
9 - Architectural		
10 - Civil Transmission Mains		
11 - Other Direct Costs - Expenses		
12 - Project Management/Administration		
13 - Basic Construction Cost Estimating		
14 - Contract Specifications / Technical Specifications		
Permitting Services		
Project Bidding Services (excludes bid alternates)		
General Services During Construction (assumes 20 hours per week of Engineering Staff time for 78 weeks)		
Record Drawings (based on Contractor's records)		
Post-Construction Services		
Start-up Services (assumes 200 hours total hours)		
RESIDENT PROJECT REPRESENTATIVE SERVICES	\$ 421,624	
Advanced Resident Project Representative (assumes 78 weeks, 40 hours per week @ \$73.95/hour)		
Records, Submittals, Pay Requests - Intermediate Resident Project Representative (assumes 31 weeks, 40 hours per week @ \$57.50/hour)		
Pipeline Inspection - Intermediate Resident Project Representative (assumes 52 weeks, 40 hours per week @ \$57.50/hour)		
ADDITIONAL SERVICES	\$ 150,000	18.00%
1	Geotechnical Borings, Report, and Management - Water Treatment Plant Site and Pipeline Alignment	\$ 75,000
2	Allowance for Easements	\$ 10,000
3	Allowance for Wetland Delineations	\$ 15,000
4	Prepare Facility Specific Operations and Maintenance Manual	\$ 50,000

Notes:

1. Basic Services and Resident Project Representative Services are less than the cost carried in Table 12 of the November 2007 PER for same services.
2. Additional Services Items 1-3 included in Table 12 of PER.
4. Basic Services engineering fee based on Total Estimated Construction Cost of \$14.1 million from Table 12 of November 2007 PER.
5. Final Design Scope based on information expressly included in the November 2007 PER.
6. Refer to Agreement for additional assumptions.