

MEMORANDUM

To: Board of Directors
From: Gary W. Fern, P.E., Executive Director
Date: June 10, 2009
Re: CIP Authorizations
cc: James M. Bowling, IV

The following project requires Board authorization:

- A. Meadow Creek Drainage Basin Sewer Rehabilitation Project:** The ACSA developed a Scope of Services for the sewer rehabilitation in the Meadow Creek Drainage Basin. The scope was based on the final report prepared by O'Brien & Gere Engineers (OBG) after conducting the Sewer System Evaluation Survey (SSES). OBG has prepared the attached fee estimate and schedule and the ACSA staff finds it satisfactory. A copy of the letter dated June 10, 2009 is attached. The project will only be initiated upon approval by the Board of the FY 2010 CIP.

Board Action

We request that the Board of Directors appropriate \$144,970.00 from the FY 2010 3R Fund for the sewer rehabilitation design for the Meadow Creek Drainage Basin Sewer Rehabilitation Project.



O'BRIEN & GERE

June 10, 2009

Mr. Gary W. Fern, PE
 Executive Director
 Albemarle County Service Authority
 168 Spotnap Road
 Charlottesville, VA 22911

Re: Response to RFP for the Meadow
 Creek Drainage Basin Sewer
 Rehabilitation

Dear Gary,

As requested, please find attached O'Brien & Gere's proposed fee estimate and schedule for the subject project. These documents were developed based upon the Scope of Services provided as well as subsequent discussions with ACSA personnel. The following clarifications and assumptions were made in the development of this fee:

General:

- The labor effort has been based upon the previous study of the Meadow Creek Drainage Basin performed by O'Brien & Gere, which includes design of the following:
 - Manhole rehabilitation (518 manholes)
 - Pipe lining (12,217 LF)
 - Pipe replacement (2,203 LF)
 - Point repair (51 repairs – 31 internal, 20 external)
 - Lateral replacement (79 laterals)

- The contract will include execution of two separate design packages, one for system rehabilitation and one for replacement. The packages will generally be divided as follows:
 - Rehabilitation:
 - Manhole rehabilitation
 - Pipeline lining
 - Internal point repair
 - Replace laterals – on pipelines being lined
 - Pipeline cleaning
 - Replacement:
 - Pipeline replacement
 - External point repair

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to the extent possible and will be supplemented by technical specifications prepared by O'Brien & Gere.

Schedule:

- The attached project schedule was developed with a four (4) week turnaround period for Authority review and a 6 week period for survey and base mapping development which reflects a one month period of Miss Utility field markout.

We propose to perform this work under the terms and conditions of our Annual Services Contract. The fee for services as set forth and described above shall be calculated on the basis of Engineers hourly billing rates for employees by job category as set forth in the contract fee schedule, plus reimbursable expenses at cost. The estimated not to exceed budget is \$144,970. Project costs will be tracked and invoiced monthly on a time-and-materials basis.

Upon your review, please contact me at your convenience with any questions or comments. We look forward to continuing our successful working relationship with you on this project.

Very Truly Yours,

O'BRIEN & GERE ENGINEERS, INC.



Robert E. Bell Jr., P.E.
Sr. Managing Engineer

Attachments

cc: Jeremy Lynn, ACSA
Maggie Hopkins, OBG

Meadow Creek Drainage Basin Sewer Rehabilitation
Albemarle County Service Authority

TASK	Sr. Managing Engr. \$175 (HRS)	Project Associate \$140 (HRS)	Design Engineer \$85 (HRS)	Designer \$85 (HRS)	Div. Secretary \$60 (HRS)	TOTAL (HRS)	DIRECT EXPENSES (\$)	COST PER TASK (\$)
PRELIMINARY ENGINEERING & SURVEY								
Project Kick-Off Meeting	4	8	0	2	2	16.00	\$78.80	\$2,188.80
Existing Data Collection and Assimilation	2	4	12	8	0	26.00	\$140.00	\$2,750.00
Right-of-Way Investigation for Alternative Routes	2	4	12	8	0	26.00	\$140.00	\$2,750.00
Criteria Collection, Analysis, and Reconciliation	4	12	26	0	0	42.00	\$80.00	\$4,670.00
Corridor Reconnaissance	0	16	20	0	0	36.00	\$157.60	\$4,097.60
Survey & Mapping	0	4	12	24	0	40.00	\$18,753.80	\$22,373.80
SUB-TOTAL						186.00	\$19,350.20	\$38,830.20
50% DESIGN DOCUMENT DEVELOPMENT								
Alignment Adjustment	3	4	14	14	0	35.00	\$240.00	\$3,705.00
Alignment Coordination	3	16	16	4	4	43.00	\$207.60	\$4,912.60
Geotechnical Investigation	0	0	0	0	0	0.00	\$0.00	\$0.00
Environmental Investigation	0	0	0	0	0	0.00	\$0.00	\$0.00
50% Preliminary Design Documents	16	70	128	92	20	326.00	\$1,596.25	\$24,096.25
Public Outreach	8	12	12	8	6	46.00	\$797.60	\$5,937.60
50% Responsiveness Summary	3	6	8	0	4	21.00	\$30.00	\$2,315.00
SUB-TOTAL						471.00	\$2,871.45	\$50,966.45
90% DESIGN DOCUMENT DEVELOPMENT								
Plats	0	2	4	0	0	6.00	\$6,510.00	\$7,130.00
Test Holes	0	0	0	0	0	0.00	\$0.00	\$0.00
90% Preliminary Design Documents	10	36	64	72	16	198.00	\$1,416.25	\$20,726.25
Utility and Agency Submittal	0	6	12	0	12	30.00	\$540.00	\$3,120.00
90% Responsiveness Summary	5	10	8	2	6	31.00	\$30.00	\$3,515.00
SUB-TOTAL						265.00	\$8,496.25	\$34,491.25
FINAL DESIGN DOCUMENT DEVELOPMENT								
100% Final Design Documents	6	24	44	36	16	126.00	\$1,227.50	\$13,397.50
Provide Remaining Permit Applications	3	12	36	12	12	75.00	\$280.00	\$7,285.00
SUB-TOTAL						201.00	\$1,507.50	\$20,682.50
TOTALS						1123.00	\$32,225.40	\$144,970.40