COUNTY AGENDA REQUEST

Department:	Stormwater Management Departm	Presenter(s):	Vanessa Birrell
Meeting Date:	Thursday, May 10, 2012	Type of Request:	Consent

Wording for the Agenda:

Approval of staff's recommendation to award Bid P825-Existing and Future Conditions Floodplain Mapping Professional Engineering Services in an amount not-to-exceed of $146, 250 for both 100 and 640-acre drainage basins to Dewberry and Davis LLC and authorization for the Chairman to execute the contract pending review by the County Attorney.

Background/History/Details:

Stormwater staff reviewed seven proposals for design and engineering services to existing and future floodplain mapping for both 100 and 640-acre drainage basins in Fayette County. Each proposal was scored in accordance with the evaluation criteria established in the RFP. Dewberry and Davis's proposal was the lowest bidder meeting all evaluation criteria.

What action are you seeking from the Board of Commissioners?

Approval of staff's recommendation to award Bid P825-Existing and Future Conditions Floodplain Mapping Professional Engineering Services in an amount not to exceed $146,250 to Dewberry and Davis, LLC; and to authorize the Chairman to sign said contract upon review by the County Attorney.

If this item requires funding, please describe:

Funds for existing and future conditions floodplain mapping have been allocated in the Capital Improvement Program and are reserved in account no. 37540320.

Has this request been considered within the past two years?	No	If so, when?	
Is Audio-Visual Equipment Required for this Request?*	No	Backup Provided with Request?	Yes

**** All audio-visual material must be submitted to the County Clerk's Office no later than 48 hours prior to the meeting. It is also your department's responsibility to ensure all third-party audio-visual material is submitted at least 48 hours in advance.***

Approved by Finance	Yes	Reviewed by Legal	Yes
Approved by Purchasing	Yes	County Clerk's Approval	Yes
Administrator's Approval	Yes		

Staff Notes:

Fayette County GEORGIA

Where Quality Is A Lifestyle

To: Jack Krakeel

From: Ted L. Burgess

Date: April 26, 2012

Subject: Bid #825 – Floodplain Mapping

On March 14, 2012 the Purchasing Department released Request for Proposals #825 for a qualified firm to conduct floodplain studies and mapping. The chosen firm is to identify the 100-year existing and future conditions floodplains for all tributaries in unincorporated Fayette County. The study is to include hydrologic and hydraulic analyses. Mapping of the floodplain is to be based on current and future land use.

Invitations were direct-mailed to 31 vendors. In addition, invitations were extended via the Fayette News, the county website, Georgia Local Government Access Marketplace (www.glga.org), and Channel 23. Seven engineering firms responded to the request for proposals (please see the attached tally sheet).

Stormwater Management staff reviewed the proposals, and scored them based on technical approaches, project understanding, experience and qualifications, time schedule, and cost. The proposal that was scored highest was from the firm of Dewberry and Davis, LLC. In addition to demonstrating professional and technical abilities, they bid the lowest price.

I concur with Stormwater Management's selection of Dewberry and Davis, LLC.

Attachment

PROPOSAL NUMBER & NAME: #P825, Floodplain Study and Mapping
OPENING DATE: 3:00PM, Tuesday, April 17, 2012

	Miles	AMEC ENVIRONMENTAL & INFRASTRUCTURE		ATKINS NORTH AMERICA, INC.		INTEGRATED SCIENCE & ENGINEERING, INC.		JACOBS ENGINEERING GROUP, INC.	
		Per Mile	Extended	Per Mile	Extended	Per Mile	Extended	Per Mile	Extended
A. 100 Acre Basins or Greater; 1 Hydraulic Structure per Mile, for 250 Miles of Stream Study									
Unit cost for existing conditions - 100 year storm event	250	$2,957.00	**$739,250.00**	$1,989.28	**$497,320.00**	$840.00	**$210,000.00**	$1,530.00	**$382,500.00**
Unit cost for future conditions - 100 year storm event	250	$294.00	**$73,500.00**	$32.33	**$8,082.50**	$110.00	**$27,500.00**	$190.00	**$47,500.00**
Unit cost for existing conditions - 2, 5, 10 & 25 year storm events	250	$327.00	**$81,750.00**	$16.17	**$4,042.50**	$50.00	**$12,500.00**	$40.00	**$10,000.00**
Unit cost for future conditions - 2, 5, 10 & 25 year storm events	250	$317.00	**$79,250.00**	$16.17	**$4,042.50**	$50.00	**$12,500.00**	$40.00	**$10,000.00**
Not-to-Exceed Cost			**$973,750.00**		**$513,487.50**		**$262,500.00**		**$450,000.00**
B. 640 Acre Basins or Greater; 1 Hydraulic Structure per Mile, for 130 Miles of Stream Study									
Unit cost for existing conditions - 100 year storm event	130	$3,357.00	**$436,410.00**	$1,925.01	**$250,251.30**	$1,125.00	**$146,250.00**	$1,990.00	**$258,700.00**
Unit cost for future conditions - 100 year storm event	130	$490.00	**$63,700.00**	$30.99	**$4,028.70**	$175.00	**$22,750.00**	$275.00	**$35,750.00**
Unit cost for existing conditions - 2, 5, 10 & 25 year storm events	130	$444.00	**$57,720.00**	$15.50	**$2,015.00**	$50.00	**$6,500.00**	$40.00	**$5,200.00**
Unit cost for future conditions - 2, 5, 10 & 25 year storm events	130	$434.00	**$56,420.00**	$15.50	**$2,015.00**	$50.00	**$6,500.00**	$40.00	**$5,200.00**
Not-to-Exceed Cost			**$614,250.00**		**$258,310.00**		**$182,000.00**		**$304,850.00**
C. Other									
Additional cost per structure			**$825.00**		**$492.10**		**$650.00**		**$575.00**
Additional mapping cost per mile (includes one structure per mile)			**$150.00**		**$1,487.59**		**$1,400.00**		**$1,050.00**
Cost / mile for stream centerlines			**$30.00**		**$2,500.00**		**$100.00**		**$30.00**

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	Miles	MANHARD CONSULTING, LTD		MORELAND ALTOBELLI ASSOCIATES, INC.		DEWBERRY & DAVIS LLC		DEWBERRY & DAVIS LLC - ALT #1		DEWBERRY & DAVIS LLC - ALT #2	
		Per Mile	Extended	Per Mile	Extended	Per Mile	Extended	Per Mile	Extended	Per Mile	Extended
A. 100 Acre Basins or Greater; 1 Hydraulic Structure per Mile, for 250 Miles of Stream Study											
Unit cost for existing conditions - 100 year storm event	250	$1,200.00	**$300,000.00**	$650.00	**$162,500.00**	$545.00	**$136,250.00**	$465.00	**$116,250.00**	$445.00	**$111,250.00**
Unit cost for future conditions - 100 year storm event	250	$150.00	**$37,500.00**	$115.00	**$28,750.00**	$10.00	**$2,500.00**	$10.00	**$2,500.00**	$10.00	**$2,500.00**
Unit cost for existing conditions · 2, 5, 10 & 25 year storm events	250	$125.00	**$31,250.00**	$115.00	**$28,750.00**	$15.00	**$3,750.00**	$15.00	**$3,750.00**	$15.00	**$3,750.00**
Unit cost for future conditions - 2, 5, 10 & 25 year storm events	250	$125.00	**$31,250.00**	$115.00	**$28,750.00**	$15.00	**$3,750.00**	$15.00	**$3,750.00**	$15.00	**$3,750.00**
Not-to-Exceed Cost			**$400,000.00**		**$248,750.00**		**$146,250.00**		**$126,250.00**		**$121,250.00**
B. 640 Acre Basins or Greater; 1 Hydraulic Structure per Mile, for 130 Miles of Stream Study											
Unit cost for existing conditions - 100 year storm event	130	$1,300.00	**$169,000.00**	$650.00	**$84,500.00**	$560.00	**$72,800.00**	$480.00	**$62,400.00**	$460.00	**$59,800.00**
Unit cost for future conditions - 100 year storm event	130	$150.00	**$19,500.00**	$115.00	**$14,950.00**	$10.00	**$1,300.00**	$10.00	**$1,300.00**	$10.00	**$1,300.00**
Unit cost for existing conditions · 2, 5, 10 & 25 year storm events	130	$125.00	**$16,250.00**	$115.00	**$14,950.00**	$15.00	**$1,950.00**	$15.00	**$1,950.00**	$15.00	**$1,950.00**
Unit cost for future conditions - 2, 5, 10 & 25 year storm events	130	$125.00	**$16,250.00**	$115.00	**$14,950.00**	$15.00	**$1,950.00**	$15.00	**$1,950.00**	$15.00	**$1,950.00**
Not-to-Exceed Cost			**$221,000.00**		**$129,350.00**		**$78,000.00**		**$67,600.00**		**$65,000.00**
C. Other											
Additional cost per structure			**$1,000.00**		**$431.00**		**$100.00**		**$76.00**		**$76.00**
Additional mapping cost per mile (includes one structure per mile)			**$200.00**		**$1,015.00**		**$560.00**		**$480.00**		**$460.00**
Cost / mile for stream centerlines			**$50.00**		**$431.00**		**$7.00**		**$7.00**		**$7.00**

MEMORANDUM

DATE: April 25, 2012

TO: Ted Burgess, Purchasing

FROM: Vanessa Birrell, Stormwater Management

SUBJECT: Staff Recommendation of Existing and Future Conditions Floodplain Mapping Professional Engineering Services; Bid No. P825

The Stormwater Management staff reviewed proposals from 7 respondents perform existing and future conditions floodplain mapping professional engineering services. This floodplain mapping is required by the Metropolitan North Georgia Water Planning District to be completed by the end of 2013.

Staff recommends that the contract be awarded to Dewberry & Davis LLC. Each proposal was scored in accordance with the evaluation criteria established in the RFP and listed below. Staff selected Dewberry & Davis for the following reasons:

- *Technical Approaches* – The Dewberry and Davis proposal committed to using non-proprietary public domain databases that are compatible with Fayette County's GIS system. There approach is based on public domain, industry standard models so no proprietary software is needed to manage, maintain or modify the models produced. The proposal details their quality control process.
- *Project Understanding* – The recommended proposal divides the county into 5 principle flooding-source areas and lists stream reaches for both 100 and 640-acre drainage basins in each area.
- *Experience and Qualifications* – References provided in the Dewberry and Davis proposal confirm the project team's experience of completing future floodplain mapping for over 4,000 miles of streams in the MNGWPD including portions of Fayette County in 2010.
- *Schedule* – There proposed schedule can accomplish the scope of work within 10 months. Additionally, an alternative schedule is proposed to allow for funding availability over a two-year period.
- *Cost* – Dewberry and Davis submitted the lowest not-to-exceed cost of all the respondents. .

Cc: Tony Parrott, Division Director, Utility Services