



HOWARD COUNTY, MARYLAND

OFFICE OF PURCHASING

6751 Columbia Gateway Drive, Suite 501, Columbia, MD 21046

***ADDENDUM NO. 3
JANUARY 30, 2017
REQUEST FOR PROPOSALS***

RFP NO. 06-2017

DESIGN/BUILD SERVICES: FONT HILL TRIBUTARY STREAM RESTORATION – CENTENNIAL LANE WEST

OPENING: FEBRUARY 15, 2017 AT 11:00 A.M.

<https://www.howardcountymd.gov/Departments/County-Administration/Purchasing>

This addendum is hereby made a part of this RFP No. 06-2017. Please note the following questions and answers and submit the proposal accordingly.

Questions/Answers

1. Is DBT expected to do any of the post-construction monitoring from the MDE/Corps permit?
Answer: Post-construction permit monitoring is not part of this solicitation. The DBT will install permanent concrete monuments (number to be determined based on design).
2. Is HEC-RAS model available through County or FEMA website?
Answer: DBT should acquire model from FEMA website.
3. For the five required resumes what people/roles should be provided?
Answer: The five DBT resumes should include the overall project manager; lead for design, lead for construction, and the remaining two resumes are at the discretion of the DBT.
4. When does the responsibility for the site start?
Answer: Responsibility for the site will begin at the pre-construction meeting.
5. Is bonding required for the entire proposal price?
Answer: No, bonding should be for construction only. Referring to Page 44 of the RFP bonding would be for all line items except #3 Design and #4 As-Built.
6. Is it acceptable to use 3-ring binders for our Technical and Price submissions?
Answer: Yes.
7. Is it possible to provide the required forms in Word documents, instead of PDF?
Answer: No.

8. Section C 2.1 Do you want both a bid bond and a surety letter as specified in Section E 2.1.4.7.3?
Answer: Yes, both are required.
9. Section C 2.3 – What are the liquidated damages for this project?
Answer: Section C 2.3 refers to the bid deposit being liquidated damages if the selected bidder fails to execute the Agreement or cannot meet the bond requirements. Additionally there will be liquidated damages of \$500.00 per calendar day, which has been added to the revised Section F Price Proposal Cover Sheet attached with this addendum.
10. Section D 2.8 – Several County easements are near existing homes, landscaping, etc. Who is responsible for Community outreach related to construction access on current County easements?
Answer: For County easements or right of ways, the County will make initial contact with the property owners and can attend any meetings with the DBT and property owner, but any other follow up will be done by DBT.
11. Section D 2.11 – Please confirm the entire site LOD must be wrapped in safety fence.
Answer: As noted in the RFP all active work areas will require safety fence. If project construction is phased, safety fence will be required for the active phases.
12. Section D 2.13 – What are the specific As-Built plan and computations requirements and tolerances?
Answer: A copy of an As-Built Stream Restoration Checklist is attached for your use (Exhibit IV). The County does not have a specific tolerance for individual spot elevations or structures. The certifying engineer should be able to certify that the design function and intent is met and that the 100-year floodplain elevations are within 0.1' plus or minus of the proposed conditions design model.
13. Section D 2.14 – What are the survivability requirements for the one year warranty? For example, what is the survivability requirement for 1" caliper versus 2" caliper trees and for shrubs? And will bioengineering plant materials such as live stakes, fascines, etc., carry any warranty?
Answer: 85% on all plant material regardless of tree caliper. When performing survival counts, trees and shrubs should be evaluated as one category and bioengineering plant materials should be another category.
14. Section D 2.15.51 – Will an alternatives analysis be required for the Concept Design Review stage?
Answer: An Alternatives Analysis will not be required for the Concept Design Review stage.
15. Section D 2.6 & 2.15.5 – There is a discrepancy in the % complete milestone designations. 2.6 states 30%, 65% and 95% design stages. 2.15.5 states Concept, Semi-Final (65%) and Final (100%) design stages. Which is correct?
Answer: D 2.6 "30%" shall be the same as D 2.15.5 "Concept" stage. The reference to "100%" in D 2.15.5.3 should be "95%". For clarification, D 2.15.5.3 is intended to have the DBT submit the 95% design and when it is approved the DBT will provide the reproducibles for signature.
16. Section D 2.16 - Has any agency coordination been conducted regarding rare, threatened or endangered species, historic concerns, or other natural or cultural resources?
Answer: No agency coordination has been done to date relative the items noted for this project.
17. Section D 2.19.4 – Will a CLOMR be required by the County if there is a proposed reduction in the 100-year floodplain elevation and there is no increase in the limit of the 100-year floodplain boundary?
Answer: No CLOMR will be required in the noted situation.

18. Section D 2.22.2 – Will any additional invasive species control be required after plant installation and if so, for what period of time?

Answer: Invasive species control should occur during the one year growing and warranty period. Treatments should focus on invasive plants that may affect the survivability of the plant materials that were installed

19. Section D 2.22.4 – Can a fee in lieu of reforestation plantings be paid to satisfy FCA requirements for this project?

Answer: The first choice will be utilizing proposed on-site planting to meet this requirement. The second choice would be the payment of Fee-In-Lieu. The Contractor will not be required to identify and/or plant an off-site mitigation site.

20. Section D 2.24.2 – Asbestos cement pipe (ACP) is very weak and brittle. Normal construction equipment loading on this pipe will most likely require non-standard special protection measures. What pipe loading analysis method will be required to assess any existing ACP impacts?

Answer: See Howard County Volume II Water and Sewer Section 4.3 E Pipeline Materials, Section 4.3F Pipe Thickness Design, Section 5.7 Evaluating Loading Conditions on Existing Pipelines, Section 5.12 Geotechnical Design Criteria. Since ACP is a rigid pipe, we recommend using American Concrete Pipe Association Concrete Pipe Handbook and Concrete Design Manual, or ASCE Manuals and Reports on Engineering Practice No. 60 Gravity Sanitary Sewer for rigid pipelines, and the Designer shall be responsible for submitting supporting documents for all the required analysis.

21. Section D 2.24.2 – What should the DBT assume for ACP three edge bearing strength reduction percentage (due to pipe age), pipe bedding factor, soil unit weight over the pipe and fluid depth / diameter ratio within the pipes for calculating the allowable load on the existing ACP in the project area?

Answer: The strength reduction percentage used prior is 15% but we would recommend 25% strength reduction or the DBT could conduct their own structural analysis of the pipe reduction strength and submit to the County for approval. The pipe bedding factor used is 1.1. The soil density is 120 lbs/ft³ or conduct/provide soil geotechnical investigation to support a different value. The fluid depth/diameter ratio is estimated to be 0.5 or the DBT could conduct a sewer survey. The above is only a suggested guideline and the DBT will be solely responsible for using the above guideline instead of conducting/gathering the necessary data for the design analysis of protecting the ACP pipes during construction. As mentioned in the County design manual, the pipe safety factor is 1.5. Also refer to answer to previous question.

22. Section D 2.24.2 – To our understanding, this project can be assumed to be bid with an agreed upon method to cross the sewer line without necessitating a replacement of the fragile sewer pipe. If that is not the case, will the County pay for contingent sewer pipe replacement?

Answer: The project can be assumed to be bid with an agreed upon method to cross the sewer line without necessitating a replacement of the asbestos cement sewer pipe. Note that driving construction equipment over ACP within the stream channel will not be allowed.

23. Section D 2.24.2 – On previous stream projects the county required two three-ply wetland mats and a lightweight aggregate base for protection over asbestos cement pipe. If the contractor follows the county and geotechnical guidance and the pipe breaks, will the county assume any and all pipe replacement costs? If no, what will be the responsibility of the County?

Answer: If the Contractor uses the method of asbestos cement pipe protection approved by the County, the Contractor will still be responsible for the cost of the pipe replacement.

24. Section D 2.24.9 – Regarding sewer pipe replacement, because of the nature of the pipe material, it is our understanding that short segments of the pipe cannot be replaced, but rather, structure-to-structure runs must be replaced contiguously to a stable point. Is this a correct assumption?
Answer: This is a correct assumption.
25. Section D 2.24.9 – Regarding the removal, breaking, hauling, and disposal of the pipe, can it be assumed to be friable asbestos, requiring all of the various EPA and OSHA safeguards for that process?
Answer: Yes, EPA, OSHA, County, and MDE safeguards would be required.
26. Section D 2.27 – Trucking Access – Please confirm that all access routes must have either 12” of mulch with natural matting underlayment or timber mats.
Answer: This is confirmed.
27. Section D 4.3 – A Wetland Delineation Report was not provided with the other “Information Available to DBT”. Can this be provided?
Answer: The Wetlands Delineation Report should have been included with the package of available information but it apparently did not make it into the package. The file will be sent out to those who already requested the Information Available to DBT and it will be included in all future requests for Information Available to DBT.
28. Section D 11.6 – Builders Risk does not cover any construction activities or design elements on this project. And flood insurance is a separate policy than builders risk. No jurisdiction has ever asked or required flood insurance on a stream restoration project. Can we have clarification on exactly what you want flood insurance to cover and the limits of coverage for this project?
Answer: We were asking for Builders’ Risk coverage for the work in progress, we are not asking for flood insurance. If Builders’ Risk is not available for this type of work, we can waive this requirement as long as a Performance Bond is in place.
29. Section D 11.7 – Are Design Engineer subconsultants required to carry the same insurance coverage as the Prime Construction Contractor?
Answer: No, they only need Professional Liability Insurance per D 11.3.
30. Section D 11.7 – Are MBE and small contractors required to carry the same insurance coverage as the Prime Construction Contractor? Most of our MBE subcontractors do not have those limits and it would cost those subcontractors too much money to add the insurance coverage for 1 project. It severely limits our MBE pool of contractors.
Answer: They could be included as Additional Insured under the Prime’s policies. If not, we can consider requiring a lower limit but this would depend on the type of work they are subcontracted to do and the risk of loss or damage. This would have to be approved by the County’s risk manager. In any case, please note D 11.7 “...The Contractor shall indemnify the County for any uninsured losses relating to contractual services involving subcontractors, including workers' compensation claims.”
31. Section E 2.1.4.6.1.4 – Will quiet packs on pumping operations be required during normal working hours?
Answer: Quiet packs will not be required during normal working hours.
32. Section E 2.1.4.6.1.4 – Is there a decibel limit for equipment during normal working hours?
Answer: The County does not have specific decibel limits for normal working hours. OSHA decibel limits for worker safety should be used.
33. Section E 2.2.1.5 – Line Item Structures - Only Retaining Walls Proposed by the DBT. Can we have clarification on the intent of this line item?

Answer: The intent of this line item was for any concrete retaining walls being proposed.

34. Section E 2.2.1.5 – Line Item Structures - Only Retaining Walls Proposed by the DBT. Which line item(s) are we to place stream structures?

Answer: Stream structures should be included in Line Item 8 – Drainage.

35. Section E 3 – Do you want a cd or flash drive in the price proposal?

Answer: Either is acceptable.

36. Section F, Are all section F documents and bond to be included in the price proposal?

Answer: No. The Price Submittal should consist of the Price Proposal Cover Page and the other items specified in Section E, item 2.2. The sample invoice should be included in the price proposal. The Technical submittal should consist of the Technical Proposal Cover Page and the other items specified Section E., Item 2.1 Technical Submittal. The bid deposit should be included with the technical submittal.

37. Section F, Qualifications Questionnaire – Does construction need to be complete for projects submitted to show relevant design experience?

Answer: Construction does not have to be complete for projects to show relevant ‘design’ experience. Construction should be complete if using the project for relevant ‘construction’ experience.

38. Will there be an opportunity for the DBTs to ask follow-up questions based on the initial question responses from the County?

Answer: No.

39. Will the County entertain a proprietary meeting with the DBTs (if requested) to discuss design specific issues prior to submittal of the Technical and Price Proposals?

Answer: No, the County will not meet with DBTs prior to submission of the Technical and Price Proposals.

40. What are the expectations for the 1-year warranties described in sections 2.13 and 2.14?

Answer: 85% on all plant material regardless of tree caliper. When performing survival counts, trees and shrubs should be evaluated as one category and bioengineering plant materials should be another category.

41. If the project results in a planting obligation due to the County’s Forest Conservation requirements, can this obligation be fulfilled in the 100-yr floodplain or as fee in-lieu?

Answer: The first choice will be utilizing proposed on-site planting to meet this requirement. The second choice would be the payment of Fee-In-Lieu. The Contractor will not be required to identify and/or plant an off-site mitigation site.

42. Would a “MDNR Qualified Professional to perform Forest Stand Delineations” be qualified to perform the tree surveys and assessments described in Section 2.21.4.

Answer: Yes, a MD DNR Qualified Professional will be permitted to perform the tree surveys as described in section 2.21.4.

43. Under section 2.21.5 FCA approval – Is it correct to assume that the County and not the state would be the approving authority?

Answer: The County would be the approving authority.

44. Under Section 2.27.3.3 – It has not been our experience that DRP will allow 3” of mulch to remain at project completion. Can you confirm that 3” of mulch and natural fiber matting can remain on site as stated?

Answer: The entire mulch access road will need to be removed.

45. Should only the prime contractor complete Section F or should the contractor firm and the designer firm complete Section F?

Answer: The prime on the contract, i.e. who the County will be entering into the formal agreement with, should complete the two Technical Proposal Cover Pages and Price Proposal Cover Page. The DBT can use its discretion on whether the Contractor, designer, or a combination of both fill out the Contractor’s Qualification Information sheets in order to present the strongest qualifications to the County.

46. Are there any restrictions on time of day the contractor can work during construction?

Answer: Monday through Friday working hours are 7:00 AM to 7:00 PM. Saturday working hours are 9:00 AM to 5:00 PM (with prior approval from the County). No Sunday work is allowed.

47. Where within the proposal should the example invoice be placed?

Answer: The sample invoice should be included with the price proposal.

48. Are bonding of local roads needed?

Answer: No. Photo documentation is required before starting work and after construction is complete. If significant damage has been done to roads, curbing, or sidewalks, as determined by the County, the Contractor will be responsible for the repairs at no cost to the County.

49. Pg. 23 - 2.27.3 states that timber mats may be used to travel over utilities, pending the geo tech report. Is this the preferred/standard method to travel over utilities for HOCO?

Answer: The County does not have a standard method for travel over utilities.

50. Pg. 23 - 2.27.3.1.1 – What are the specs for the natural fiber matting being placed under haul roads?

Answer: Non-woven Geotextile Class SE.

51. Questions related to the CCTV pricing: Will blockage, or partial blockage, of these lines be allowed and if so, for how long, or will pump arounds be required?

Answer: The DBT will be requested to inform the County if there is a major blockage in the sanitary sewer pipe. No pump around will be required.

52. Will video be allowed only at night?

Answer: Video at night is preferred but not necessary.

53. What is the estimated flow rate of the main laterals?

Answer: The County does not monitor flow information for pipes smaller than 12”so no data is available.

Attachments

1. SECTION F, (Revised) Price Proposal Cover Page
2. EXHIBIT IV, As Built Stream Restoration Checklist

All other specifications, terms and conditions remain the same.

Please acknowledge addenda by signing below and returning with the proposal. Failure to acknowledge this addendum may be cause for rejection of the proposal.

ADDENDUM RECEIVED BY:

_____	_____
Company Name	Signature
_____	_____
	Title

EHB

SECTION F

(Revised) PRICE PROPOSAL COVER PAGE

(Must be submitted separately from the Technical portion of the proposal)

COMPANY NAME: _____
 TITLE: DESIGN/BUILD SERVICES: FONT HILL TRIBUTARY STREAM RESTORATION – CENTENNIAL LANE WEST
 NIGP CODE/PRODUCT CODE: 918-43 Consulting Services, Environmental

ITEM NO.	COMMODITY/SERVICE DESCRIPTION	ESTIMATED ANNUAL QUANTITY	U/M	UNIT PRICE (2 Decimal Places Only*)	EXTENDED PRICE
1.	Clearing & Grubbing	1	Lump Sum	\$	\$
2.	Mobilization	1	Lump Sum	\$	\$
3.	Design Engineering	1	Lump Sum	\$	\$
4.	As-Built Drawings	1	Lump Sum	\$	\$
5.	Maintenance of Traffic	1	Lump Sum	\$	\$
6.	Construction Stakeout	1	Lump Sum	\$	\$
7.	Earthwork - Excavation & Embankment	1	Lump Sum	\$	\$
8.	Drainage	1	Lump Sum	\$	\$
9.	Erosion & Sediment Control	1	Lump Sum	\$	\$
10.	Maintenance of Stream Flow	1	Lump Sum	\$	\$
11.	Structures, Only Retaining Walls Proposed by the DBT	1	Lump Sum	\$	\$
12.	Paving Items – Hot Mix Asphalt, Concrete Pavement and Graded Aggregate Base	1	Lump Sum	\$	\$
13.	Concrete	1	Lump Sum	\$	\$
14.	Seed & Mulch	1	Lump Sum	\$	\$
15.	Landscaping	1	Lump Sum	\$	\$
16.	Utility Costs For Each Utility – Engineering And Construction	1	Lump Sum	\$	\$

TOTAL PROPOSAL PRICE (Items 1-16 above) \$ _____

* Please note that prices shall only have **TWO DECIMAL PLACES**. The County’s financial system will not allow more than two decimal places, adjust responses accordingly.

The amount of liquidated damages for this contract shall be \$500.00 per calendar day.

INVOICE PROCEDURE FOR SUCCESSFUL CONTRACTORS: In order to facilitate prompt payment, invoices must contain the above commodity and/or service descriptions and pricing. Invoices failing to contain the required line item detail, including contract line number and unit pricing, may be returned for correction. Please submit a sample invoice with the response.

SIGNATURE: _____ DATE: _____

EXHIBIT IV

AS BUILT STREAM RESTORATION CHECKLIST

The as-built conditions shall be clearly shown and differentiable from all other features. The approved construction drawings with all revisions noted shall be used as a base sheet for the as-built drawings. All as-built sheets shall be labeled "AS-BUILT" in the lower right hand corner of each sheet.

The following checklist is a list of items to be included as part of the as-built survey. The items shall be drawn on top of the respective feature of the approved plan.

LEGEND FOR REVIEW CHECKLIST:

ACC.	Accepted	N/A	Not Applicable	NC	Not Checked
X	Not Acceptable	REQ.	Required, Not Submitted	INC.	Incomplete

MINIMUM INFORMATION REQUIRED:	COMMENTS
<p><i>1. Certifications – See end of Checklist for format:</i></p> <p>___ a. Survey Certification</p> <p>___ b. Design Consultant Certification</p>	
<p><i>2. Plan View</i></p> <p>___ a. Show the extent of the constructed grading</p> <p>___ b. Identify and show extent of live stakes</p> <p>___ c. Identify elevations and dimensions of any structure</p> <p>___ d. Verify the geometric curve information – note any changes</p> <p>___ e. Show the location and elevation of monitoring benchmarks</p>	
<p><i>3. Profile Along Thalweg:</i></p> <p>___ a. Elevations at design stations and at locations of any revisions</p> <p>___ b. In-stream structures should be identified with elevations noted</p>	
<p><i>4. Cross-Sections (at design stations and at locations of any revisions):</i></p> <p>___ a. Elevations identified at inverts and grade breaks</p> <p>___ b. Identify and show the placement of structures and any bank stabilization with elevations noted</p>	

<p>___ c. Show existing grading and the extent of constructed grading</p>	
<p>STREAM STABILIZATION FEATURES Construction shall match design details – any modifications to design details shall be drawn and noted on plans</p> <p>Minimum Items To Be Verified:</p>	
<p><i>1. Stone Toe Protection:</i></p> <p>___ a. Stone keyed into channel invert</p> <p>___ b. Finished grade</p>	
<p><i>2. Step-Pool Structures:</i></p> <p>___ a. Indicate placement of crest and foundation stone; note length, depth and width</p> <p>___ b. Indicate placement of pool pavement; note length and width</p>	
<p><i>3. Riffle Grade Controls:</i></p> <p>___ a. Placement of stone material; note length and width</p>	
<p><i>4. Outfall Protection:</i></p> <p>___ a. Indicate placement of channel riprap; note length and width</p>	
<p><i>5. Imbricated Bank Protection:</i></p> <p>___ a. Stone keyed into channel invert</p> <p>___ b. Finished grade</p>	
<p><i>6. Other Items:</i></p> <p>___</p> <p>___</p>	
<p>PLANTING</p> <p>___ a. Certify installation in accordance with quantity, type and quality as specified in the design plans and specifications</p> <p>___ b. Contractor shall submit to the County copies of delivery tickets / receipts from any plant supplier</p>	

CERTIFICATIONS

All certifications are to appear on the title page as noted below in quotation marks:

- 1) **Survey Certification** – The Contractor shall have the as-built topographic survey certified by a registered land surveyor licensed within the State of Maryland. The licensed surveyor shall attest that:

“I hereby certify that this As-Built Survey is an accurate representation of the locations and elevations in the field as of **(Date)**.”

Registered Land Surveyor (print name) License Number Date
Seal & Signature

- 2) **Design Certification** – The Consultant shall personally attest that:

“I have personally observed and inspected the construction of this stream restoration project. I have also reviewed the as-constructed conditions depicted on this As-Built Survey. I hereby certify that the stream restoration construction meets the design intent of this project and / or the construction is within the accepted tolerances as noted on the plans.”

Consultant (print name) License Number Date
Seal & Signature

CONSTRUCTION.

- (a) The Contractor shall notify the County a minimum of two-weeks prior to completion of construction activities.
- (b) Upon completion of construction activities, the contractor shall have no longer than 4 weeks to furnish the County with a certified as-built topographic plan.
- (c) The Contractor may choose to submit to the County partial as-built survey drawings in order to illustrate the layout of all stream restoration features and grading; however, the submission of this partial as-built does not automatically convey approval of construction or eliminate the requirement for the Contractor to provide a final as-built survey of the entire completed project certified by a registered

land surveyor. The County may, at its sole discretion, grant formal acceptance of the partial as-built in order to expedite the as-built certification process.

- (d) Any errors or omissions found during the course of the as-built survey and determined by the County, who shall be the sole judge, to have occurred during construction shall be repaired by the Contractor to the satisfaction of the County at no additional expense. The Contractor shall make any necessary repairs or corrections required by the County including grading, adjustment of stream restoration structures, etc. Upon completion of corrective action, the Contractor shall furnish the County with a re-survey of the problem area showing the original as-built information and any modification highlighted and noted. A registered land surveyor shall also seal the resurvey.
- (e) Final acceptance of the project by the County will not occur until the certified as-built has been completed for the entire project.

MAINTENANCE.

- (a) The Contractor will be held fully responsible for maintaining the project during the course of the construction including the period of the as-built certification.
- (b) The Contractor shall be held responsible for maintaining the integrity of the project until final acceptance of the as-built drawing and a determination by the County that no errors or omissions have been made by the Contractor during the course of construction. The County shall make every effort to notify the Contractor within four (4) weeks of receipt of the as-built survey as to the acceptability or rejection of the construction of the stream restoration project; however, lapse of this time frame does not relieve the Contractor of responsibility for maintaining the integrity of the project or for correcting any errors/omissions until final acceptance of the certified as-built for the entire stream restoration project.