

City of Beaufort
IFB 2020 - 109
Mossy Oaks Drainage Improvements Basin 1 & Basin 2 - West
Questions and Answers

- 1. Q. Will the overhead power line be temporarily shifted to facilitate installation of the permanent and temporary sheet piles at the outfall structure and at the pedestrian path location?**

A. There are presently no plans for those lines to be relocated at this time, but that is something we can coordinate with Dominion during our weekly progress meetings. All of the utilities have been very helpful as far as their coordination.
- 2. Q. During site visit, it appears there is a sewer or force main running along the east side of the trail but is not shown in the drawings. Are there any utility surveys available?**

A. There is not a formal utility survey available. The City is presently coordinating with BJWSA regarding this line and other BJWSA infrastructure in the area.
- 3. Q. Can the deadline for questions be extended a couple days?**

A. Yes, the deadline will be moved to extend the question period to next Tuesday, April 28 and the Answer period to Friday May 1.
- 4. Q. Can the drainage/flow calculations be made available to the contractors for dewatering/bypass pump sizing. And can the geotech information be made available to the contractors?**

A. Yes. See attached hydrology report and geotech information.
- 6. Q. Can the contractor bid on and be awarded on both projects?**

A. Yes. They are independent projects.
- 7. Q. Could we get the manufacturer and more details of the flap gates?**

A. The manufacturer of the flap gates is Golden Harvest, Inc. The preliminary shop drawings are included in this addendum for information only.
- 8. Q. What is the intent of the flap gate?**

A. The intent of the flap gates, along with the reinforcing sheet pile wall, is to hold back storm surge above the normal high tide elevations to help prevent flooding. The flap gates and trail help create a natural detention area for rainfall storage during a storm event.
- 9. Q. Are there soil borings of the sites on the Spanish Moss trail?**

A. Yes

10. **Q. Would it be considered to allow one section at a time of the Spanish Moss Trail (Basin 1 and 2) to be closed and constructed?**
- A. Yes, work on both sections of the trail does not have to be performed concurrently. However, all of the work along the trail in both sections has to be performed within the 180 day contract time.
11. **Q. At Basin 1- Spanish Moss Trail the transmission line runs over the work area. Has there been discussion with Dominion Energy about de-energizing the line?**
- A. Dominion Energy is a partner in the project and coordination has taken place in regard to their infrastructure. However, no specific discussion has been had regarding de-energizing the transmission line in Basin 1. Normal working separations need to be assumed at this time. Further discussions can be had at weekly progress meetings with Dominion Energy and the selected contractor's specific work plan.
12. **Q. During closure of the trail, is it necessary to fence off the work area or are there barriers sufficient for safety? Will the Beaufort Police Department enforce?**
- A. The contractor will be required to close off the section of trail under construction using Type II and Type III barricades. Per weekly progress meetings, the City Police can be asked to provide assistance if enforcement as needed.
13. **Q. Will the live oaks along the bluff where the FRP bulkhead is to be installed be removed?**
- A. There are no planned trees to be removed with the sheet pile wall work at this time. Should a tree be in conflict with the proposed wall alignment, this will be looked at in the field on a case-by-case basis with the City project manager.
14. **Q. How will the asphalt patching be paid for? Under which item(s)?**
- A. Patching will be paid for using the pay items included in the bid form. Those items would include: removal and disposal of existing asphalt pavement, liquid asphalt binder, and the appropriate asphalt mix per the specific pavement section.
15. **Q. If bedding stone is not sufficient to hold up the head walls and 60" RCP, should we anticipate piles driven for foundation?**
- A. Driven pile foundations should not be considered at this time for the bid. Should the foundation materials need to be changed, this will be coordinated through the project manager/design engineer during construction.
16. **Q. If other than steel piles are what is specified will the contractor be allowed to substitute steel sheets due to the possibility of striking buried stumps or other hidden debris which could deflect vinyl or fiberglass sheet piles?**
- A. For the bid, no substitutions for the sheet pile wall will be considered. Upon award, the successful contractor can submit a design change for the wall to be considered by the owner/design engineer.

17. Q. **There are 2 project sub-totals on the bid form Basin 1 and Basin 2 West but no grand total. Please confirm this project will be awarded as one total project and provide a location for a total bid price on the bid form. If Mossy Oaks Basin 2 West is to be a separate contract then items such as Mobilization, Bonds and insurance etc. will have to be added.**
- A. Basin 1 and Basin 2-West are all one project. The bid form has been updated to show the two sub-totals and the one overall total for this contract.
18. Q. **On Mossy Oaks Basin 2 West bid form it has some items for 18" smooth wall pipe. Are these quantities supposed to be in Bid form IFB 2020-113 Basin 2 East (CBDG)? Please clarify. It seems as if quantities along Battery Creek Road may have been added to the bid form.**
- A. The mentioned pipe quantity was in error. The pipe quantity has been removed from the Basin 2 – West bid form.
19. Q. **Could you provide the bid forms in excel?**
- A. Yes
20. Q. **If the contractor is awarded IFB 2020-109 and IFB 2020-113 both with a completion date of 180 calendar days, do both projects have the same notice to proceed and both run simultaneously?**
- A. The intent is that both projects run concurrently. Should a single contractor be awarded both projects, this situation could be further discussed at that time.
21. Q. **What schedule for liquidated damages would be used? SCDOT Standard specifications 2007 or does the City of Beaufort have their own schedule for this project?**
- A. The City does not have its own liquidated damages schedule. The SCDOT 2007 Standard Specification schedule shown in Section 108.9.1 would be used.
22. Q. **Section 5.1 General Provisions Part B. Are we required to carry a builder's risk policy for this project?**
- A. No, Builder's Risk Insurance is not required for the project.
23. Q. **Who is responsible for testing?**
- A. The Owner, via a third-party testing firm, will provide quality control testing & inspection on all parts of the project except asphalt. The contractor is required to provide quality control on the asphalt operations and the owner will provide quality assurance.
24. Q. **Are the OCRM and U S Army Corps of Engineer permits available?**
- A. Yes
25. Q. **Will the City of Beaufort require permits and license?**

- A. All contractors, to include subcontractors, will be required to obtain a City Business License through the City Planning Department and Building Official. No building permits are required and all agency required permits have already been obtained.
- 26. Q. What is the plan for dewatering during a storm or hurricane event? We do not believe pumps could handle these events.**
- A. The contractor will be required to keep working space dewatered for normal working conditions. The City will assist with additional pumping efforts during a storm event. Weekly progress meetings will be held to plan for upcoming work as it relates to upcoming storm events and contingency plans will be developed accordingly.
- 27. Q. What is required for acceptance of the temporary cofferdam construction?**
- A. The contractor will be required to submit the planned materials and installation plan of the temporary cofferdam to the project manager/design engineer for review prior to installation.
- 28. Q. Will contractor need to replace wooden retaining wall?**
- A. No.
- 29. Q. Is damage to the concrete on Spanish Moss Trail considered incidental to contract or will it be paid by a change order?**
- A. The contractor should take necessary precautions not to damage sections of the Spanish Moss Trail beyond the pipe replacement areas. Should a section get damage, it would be removed and replaced using the pay items and unit prices listed in the bid. (ie- removal and disposal of existing concrete, Concrete Pathway – 6” Uniform).
- 30. Q. Is there a pay item for the Sheet Piles?**
- A. Yes, sheet piles are paid by the square foot of “permanent sheet pile” installed.
- 31. Q. How thick is the existing concrete paving on the Mossy Oak Trail?**
- A. There were no cores taken of the trail, but it is assumed that it is 6” thick.
- 32. Q. Plans call for sheet pile wall to be 3’ offset from edge of trail. Is the 3’ from center of sheet pile wall or back edge of concrete cap?**
- A. From center of sheet pile wall.
- 33. Q. Please confirm bid form corresponds to the correct pdf. plans. It seems that a new set of plans was added to the website.**
- Mossy Oaks Basin 1 Bid is for plans labeled “*Mossy Oaks Drainage Improvement Plans - Basin 1 4.13.pdf*”

- Mossy Oaks Basin 2 -WEST is for plans labeled "*Mossy Oaks Drainage Improvement Plans - Basin 2 WEST (FINAL).pdf*"
- A. Basin 1 and Basin 2-West are all one project. The bid form and plans posted are correct.
- 34. Q. Contractor shall assume all utilities if in conflict with new construction will be relocated by others at no cost to the contractor.**
- A. Since the pre-bid, some BJWSA line conflicts have been identified. A detail is included in the addendum for a wet utility crossing (G-16) and an interference box. Pay items for those associated items have been included. Should a conflict arise in the field with BJWSA infrastructure, the contractor will be required to relocate the line in conflict to facilitate the work.
- 35. Q. Will the contractor be required to obtain temporary construction easements from property owners?**
- A. No, the City will assist property owners on any work that may encroach beyond public property.
- 36. Q. Except for the 60" headwall, there are no pipe end treatments identified in the drawings or pay items. However, they are shown in the special conditions. If they are required, please identified their locations and provide pay items for them?**
- A. There are no pipe end treatments except for the work along the trail.
- 37. Q. There are pay items for 18" Pipe on the bid form for the portion of Basin 2 West. However, there is no 18" pipe shown on the drawings. Please Clarify.**
- A. There is no 18" pipe work within Basin 2 – West. This pay item was removed from the bid form.
- 38. Q. There are pay items for 18" Pipe on the bid form for the portion of Basin 2 West. However, there is no 18" pipe shown on the drawings. Please Clarify.**
- A. There is no 18" pipe work within Basin 2 – West. This pay item was removed from the bid form.
- 39. Q. Please clarify bids are to be emailed to the City on the date and time for bids. Should a Hard copy be mailed afterward?**
- A. A pdf emailed or hard copies to City Hall are both acceptable. Bids are now due by 3:00 pm on May 15, 2020
- 40. Q. On Basin 1 Temporary cofferdam Bid item does not match the plans. Can we get clarification?**
- A. The temporary cofferdam is paid by the LF. Temporary coffer dam to be used in conjunction with the pipe work at the Spanish Moss Trail and Battery Creek road as needed to facilitate construction. Materials and installation plan to be submitted to Project Manager/Engineer prior to installation.

41. **Q. Are add-mixtures needed for concrete exposed to salt water? Is reinforcing steel to be plain, not zinc coated?**
A. Corrosion inhibitor is required for the concrete mix (see Section 701.2.7 of SCDOT's Standard Specifications). Reinforcing steel is plain bars.
42. **Q. Can the spoil be used along the trail if it is suitable backfill?**
A. The Contractor may submit request to use spoil for backfill, including intended backfill location and laboratory USCS classification and natural moisture content of spoil. As Owner deems suitable, backfill may be used.
43. **Q. What are the paving sections for the SCDOT asphalt patching and asphalt driveway?**
A. Any patching in the roadway will be same pavement section as that prescribed for the pavement structure for Battery Creek Road. Driveways are to be constructed with 400 lb/sy of Surface Type C with maintenance stone serving as the base.
44. **Q. Are the driveway turnouts within the overlay sections of Battery Creek Rd to receive the full overlay thickness that Battery Creek Rd gets (Intermediate & Surface)?**
A. Driveways are to be constructed with 400 lb/sy of Surface Type C with maintenance stone serving as the base.
45. **Q. Are there specifications/details for the FRP sheet pile?**
A. The cutoff wall shall be Fiber Reinforced Polymer EC 47.5 Sheet Pile manufactured by Everlast Synthetic Products, LLC, or approved equivalent or better product. The Contractor is responsible to install the sheets to the minimum tip elevation without damage, which may require a driving helmet or sheet.

All sheet interlocks shall be water-proofed with an approved sealing agent, such as Swellseal WA manufactured by GCP Applied Technologies Inc.

The top of all cutoff wall lengths shall be level and even, and be capped with a uniform vinyl or concrete cap. The cap system, including style and color, shall aesthetically appropriate for the location and approved by the Owner.

The new culverts shall penetrate through new cutoff wall. A seal is required between the cutoff wall and the culverts, and between all sections of the cutoff wall, to prevent seepage paths.

The Contractor shall submit his plan for approval by the Engineer to install the culverts with an adequate seal at the interface with the cutoff wall, including any cuts or variances in the cutoff wall. Methods may include cutting a hole in the wall, attaching a

collar around the pipe at the wall interface, use of polyurethane sealing agents and/or backfilling with a curtain of grout or flowable fill.

46. **Q. Are tie backs expected to be used?**
A. No.
47. **Q. What is the material to be used for the decorative cap? Is there a detail?**
A. The cap system, including style and color, shall aesthetically appropriate for the location and approved by the Owner.
48. **Q. Are there soil borings of the sites on the Mossy Oaks trail?**
A. Geotechnical data will be provided
49. **Q. Please provide Geotech information used in determining locations and depths of the sheet piling for this project?**
A. Report dated 3/15/2019 includes all Geotech data.
50. **Q. Plans call out; "Construct 1,220 LF of Sheet Pile Wall 3' Offset from trail Top of Wall Elevation 12' (See Sheet F). There is no "Sheet F" in the plan set. Please provide "Sheet F".**
A. The intent of this note was to direct the contractor to see sheet 6.
51. **Q. Drawings call for cleaning existing 15" RC Pipe (S-Royal Oaks Dr). There is no pay item for pipe cleaning, please provide Pipe cleaning Pay item.**
A. A pipe cleaning pay item was added to the bid form.
52. **Q. Please provide the minimum and maximum water level elevations to be maintained during construction for the upland side of the Mossy Oak Trail where the temporary cofferdams are to be installed.**
A. The intent would be to maintain normal ebb and flow as much as possible to maintain the natural conditions and aquatic life as best as possible. With this said water surface should not exceed the mean high water elevation 3.4
53. **Q. Please Plans call for placing 30 LF of 10' Wide boardwalk. There is no design detail or specifications for the Boardwalk. Please provide details and specifications.**
A. This can be a pre-fabricated pathway or timber construction. The intent is to replace the sidewalk in the area across the pond outfall ditch.