



Purchasing Division
Finance Department
Room 120
411 West First Street
Duluth, Minnesota 55802

218-730-5340
purchasing@duluthmn.gov

Addendum 2
Solicitation 20-99363
Canal Park Lakewalk & Shoreline Restoration

This addendum serves to notify all bidders of the following changes to the solicitation documents:

1. Revised supplementary provisions have been uploaded to the BidExpress solicitation. Specifically, termination language in paragraph 3 and a new paragraph 5 for contracting with socioeconomic firms have been added as required for federally funded projects.
2. Successful bidder will be required to submit literature for Engineer approval of proposed equals within 24 hours after bid opening.

Questions asked and answers provided are listed below:

3. Can we have access to the CAD files for the existing conditions/bathymetry and the proposed grading plan? (plan sheets 18, 19, 20 & 21).
 - a. The .dwg files will be provided to the successful bidder under contract with the City of Duluth.
4. Does the existing survey contours on plan sheets 171219-CD-CP-05 and 171219-CD-CP-06 represent the 2020 April profile or the 2018 October profile. Does it represent any of the "original revetment design surface?"
 - a. The bathymetric data shown in the existing conditions (CP 05 and CP 06) was collected in May and October 2018. CP-07 presents three cross-sections showing the revetment profiles for the original design (approximated based on 1980's and early 1990's records), 2018, and the most recent April 2020 survey data. The April 2020 check survey was collected at a few selected cross-sections. Per the contract documents (plans and specifications), the Contractor is responsible for verifying the existing conditions/survey data presented.
5. Where, approximately, would the water & sanitary services connect to the city mains (called out on plan sheet 171219-CD-CP-22)?
 - a. Currently there is water & sanitary services at the Nels J. boat. Contractor shall disconnect services, move vessel to temporary storage location, and then move vessel back and reconnect services. Additional sewer pipe and water line shall be installed from the Nels J. boat to the vendor hookup area (reference Sheets 171219-CD-CP-18 and E101).
6. What size and what type of pipe is required for the water and sanitary services?
 - a. It is assumed that there is a 4" PVC sanitary lateral line which we believe may be able to be preserved and reconnected; and approximately 300 feet of 1" water line that will need to be removed and replaced with a 1" copper water line.

7. Where is the handrail (on plan sheet 171219-CD-CP-36) located? Is there an approx. length needed for this project?
 - a. The length of Railing Shown in Detail 01/36 is approximately 265lf in the vicinity of the Plaza and Ramp, as shown on Sheet 30 and 32. In addition, Handrail (per detail 01/40, and in accordance with City of Duluth standards) shall be provided at concrete stairs and ramps, as shown on Sheet 30 and 32 (approximately 145lf).
8. Specs call for stringers to be 2" x 6", details call for 4" x 6", please clarify which one is correct.
 - a. The stringers shall be 4" x 6".
9. What species and treatment is required for the stringers?
 - a. The species is IPE and the treatment is per specifications Section 061533, paragraph 2.3.
10. Since the toe stone supply already being performed is tax exempt, will the bid item for furnishing toe stone also be tax exempt and through separate materials contract?
 - a. The furnishing of the toe stone has been pulled from the base bid and is listed as a Bid Alternate. The quantity of toe stone placement has been increased to 9,520 tons.

If the Bid Alternate is included in the award, the stone materials in the Bid Alternate will have to meet the quality requirements listed in the specifications. In addition, a registered Geologist or Geotechnical Engineer with a minimum of five years of relevant experience for quarry inspection will be required to be at the quarry to inspect and verify all the stone produced is in conformance with the specifications/material quality requirements. Materials provided through this contract are not tax exempt.

If the Bid Alternate is not awarded, the toe stone may be furnished through a separate procurement. Contractor would be responsible for coordination with the furnishing contractor regarding delivery timing, quantities, work areas where the stone will be delivered, offloading from trucks, and placement.

11. Is there risk/potential of quantity of toe stone furnish and placement switching to toe stone placement only or vice versa? Do they need to be from same source?
 - a. See item 8 above. The stone does not have to be from the Two Harbors quarry, which is the current source of the materials stored at the gravel beach, as long as the material quality and inspection requirements in the specifications are met.
12. Cross sections – Landside 1 has a label for bluestone gravel and bluestone boulders. Is there a spec and gradation for the bluestone gravel? Is it paid as class 5 base course or incidental to site restoration? Are the bluestone boulders salvaged on site, one of the revetment stones, or a different size?
 - a. See specifications section 321216 2.3: landside is paid as class 5 base course or incidental to site restoration. The bluestone boulders will be selected by the Engineer in the field from the salvaged/revetment reject stone on site, and the contractors will place them per the plans.
13. Is all class 5 for permanent construction covered in the class 5 pay item? Or is class 5 for any of the permanent construction incidental?

- a. This applies to the areas with hot mix asphalt and Carriage Way shown in the plans- any other fill would be incidental, or Stone Fill.
- 14. Addendum 1 answer to question 25 states cars and misc. debris are reasonable obstructions. Are cars and former scrap yard waste expected in the excavation? Are we really to carry a cost for disposing of buried cars?
 - a. Based on the project design details, we do not anticipate encountering any significant obstructions in the areas to be excavated (along the concrete wall forming, revetment regrading or the toe stone proposed location). Contractor shall anticipate some misc. debris to be encountered. Disposal of large obstructions, cars, and notable amounts of scrap yard waste will be assessed on a T&M basis.
- 15. Are you looking for DW HDPE (Gold-Flo/Prinsco) or Fusible HDPE pipe?
 - a. Contractor to submit product literature for Engineer approval. One example of an acceptable product is a dual-wall, high-density polyethylene plastic pipe with a watertight integral gasket bell and spigot coupling system (Gold-Flo/Prinsco).
- 16. You are calling out SDR17 pipe but I am assuming that IPS outside diameter would be sufficient?
 - a. The outside diameter is sufficient.
- 17. For the perforated HDPE pipe do you have a perf pattern that will be required? Please provide.
 - a. Contractor to submit the product literature for Engineer approval. Standard perforation (Class II/slot) is the typical product available and will be acceptable.
- 18. I am having trouble figuring out what geotextile fabric you want. I sent your spec into Mirafi and they have a couple of questions. Can you help me with this? Did you have a specific product in mind that I can cross reference?
 - a. Contractor to submit the product literature for Engineer approval. An example of an acceptable nonwoven geotextile product is Mirafi 1120N.
- 19. The native plug plantings call for 2" compost to be used as mulch. Is this compost area also being seeded? This area will be difficult to keep weed-free if it is just left as bare compost. If it is to be seeded, does this area get erosion control blanket prior to the plug plantings?
 - a. Per specifications section 321216 3.9 A. 2.: Organic Mulch in Planting Areas: Apply 4-inch average thickness of compost mulch as shown in the drawings, and finish level with adjacent finish grades. Do not place mulch within 2 inches of trunks or stems. Owner will consider alternate maintenance plans (such as temporary seeding, geotextile, or ECM) by Contractor to maintain plantings during the warranty period (refer to 321216 3.12 C.)
- 20. The planting specs say that a limit of one replacement will be required for plantings, but also say to provide an additional warranty equal to the original warranty on replaced plant materials. Are replacements limited to one per plant or will there be an additional warranty on replacements?
 - a. Per specifications section 321216 1.13 3 c.: A limit of one replacement of each plant is required except for losses or replacements due to failure to comply with requirements.
- 21. The warranty on trees & shrubs is 36 months. If there is an additional warranty on replacement plantings, is it for the full 36 months after replacement? This would result in the warranty on

any replacements done in 2024 (at the end of a 3-year warranty on plantings installed in 2021) ending in 2027.

- a. Yes, per specifications section 321216 1.13 3 d.: Provide extended warranty for period equal to original warranty period, for replaced plant material.

22. Planting specs call for a slow-release watering device at each tree and shrub. Typically these would not be placed on shrubs – please confirm that these are required for all shrubs.

- a. Owner will accept alternate watering plans (as approved by Engineer) to maintain shrub plantings if slow release watering devices are not optimal for shrubs as indicated on the plans.

23. Also it appears the tree list provided on sheet 48 has a couple quantity errors. The list shows 7 River Birch, but there are 4 on the plans and the list shows 16 Pagoda Dogwood, but there are 18 on the plans.

- a. Contractor shall provide (7) River Birch and (18) Pagoda Dogwood.

24. There is an item in the geotextile specification for the Canal Park Restoration that we would like some clarification on. The SECTION 02290 GEOTEXTILE FABRIC lists the physical properties required for a non-woven geotextile. The requirement for Percent Open Area states a value of 4%, this is not a possible value for any non-woven geotextile that has an AOS US Sieve value of 100. Will this particular property be strictly adhered to or can manufacturers claim exception to this?

- a. The minimum percent open area is listed as 4% in the specifications. The contractor to submit the product literature for Engineer approval. An example of an acceptable nonwoven geotextile product is Mirafi 1120N.

25. Can you please clarify the length and square foot quantity of the IPE boardwalk?

- a. The boardwalk is approximately 3,940 lf by 8ft wide.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the www.bidexpress.com solicitation.

Posted: **May 7, 2020**