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**Addendum 2**  
**Solicitation 23-AA07**  
**Duluth Coastal Infrastructure Rehabilitation Project**

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

1. **The bid deadline has been extended to Wednesday, August 23, 2023 at 2:00 pm.**
2. **The deadline for questions has been extended to Monday, August 14, 2023. Answers will be provided via addendum by Wednesday, August 16, 2023.**
3. Please see additional changes to the solicitation documents as provided by AMI Consulting Engineers.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the [www.bidexpress.com](http://www.bidexpress.com) solicitation.

Posted: **August 9, 2023**



Consulting Engineers P.A.

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August 9, 2023

**Re: Duluth Coastal Infrastructure Rehabilitation – Addendum #2**

AMI Project # 211016

**1. Question:**

*Given the complexity of the project, would the City grant an extension to the bid deadline?*

**Answer:**

The Bid Due date has been extended to **Wednesday August 23th at 2:00 PM Central Time.**

**2. Harbor Drive Accessibility**

To clarify, Harbor Drive will be accessible for emergency vehicles, delivery vehicles to the DECC and the Aquarium, pedestrians, and bicycles. It will not be accessible to other vehicle traffic.

**3. Approved Fender Vendor**

Shibata Fenders is an approved vendor for fender products.

**4. H-Piles and HP Piles**

Contractor is responsible for providing HP piles and H-piles (bid form items CT12 and CT13) for project.

**5. Question:**

*Will the waler beams provided by owner be furnished with splice plate/hardware and assembled per the drawings? If not, can they be sent to a fabricator for shop assembly?*

**Answer:**

Each C12 of the waler beam will be shipped loose and not be furnished with splice plate/hardware or bolt holes and assembled per the drawings. Due to the specified locations of splices, the final installed lengths of the wall need to be field verified once the new sheet pile wall is installed. Therefore, the wale needs to be field fitted and cannot be sent to a fabricator for shop assembly.

**6. Question:**

*Can the salvaged IPE boardwalk material quantity be provided?*

**Answer:**

The IPE boardwalk material quantity is provided on sheets C041 and C045 in the plan set as well as listed below.

| Reclaimed Boardwalk Decking Boards |                  |
|------------------------------------|------------------|
| Dimensions:<br>7- 5/8" x 2-1/8"    | Spacing:<br>1/4" |
| Board Length                       | Quantity         |
| 5'-0"                              | 41               |
| 6'-0"                              | 870              |
| 6'-4"                              | 649              |
| 6'-5"                              | 14               |
| 6'-10"                             | 78               |
| 6'-11"                             | 713              |
| 7'-0"                              | 37               |
| 8'-0"                              | 50               |
| 8'-6"                              | 4                |
| 8'-8"                              | 3                |
| 8'-11"                             | 12               |
| 12'-9"                             | 12               |
| 12'-10"                            | 25               |
| 12'-11"                            | 23               |
| 13'-7"                             | 12               |
| 13'-9"                             | 10               |
| 19'-0"                             | 12               |

**7. Question:**

*Will the DZ95 sheet pile be shipped in pairs?*

**Answer:**

Each DZ95 sheet pile will be coated individually and shipped in pairs.

**8. Question:**

*What is the width of the owner furnished sheet pile cap? The new DZ-95 is 16.5" and the cap should be at least 6" larger than the width of sheeting. That would leave 3" on each side of the sheet pile to account for the expected variance with the in-pans & out-pans. Will the clip angles be furnished with the cap?*

**Answer:**

The width of the owner furnished sheet pile cap is 21". This leaves 2-1/4" on each side of the sheet pile to account for installation tolerances. The Contractor is expected to install the sheet pile within this specified tolerance. The clip angles will not be furnished with the cap.

**9. Question:**

*Based on the borings, the SSP will have to be impacted to attain the design tip elevation. Cold Rolled sheeting is a lot softer than hot rolled and is not conducive to impacting with a diesel, air, or hydraulic hammers. Is there any concern with impacting the cold rolled sheeting?*

**Answer:**

The Contractor is responsible for determining means and methods for installing sheet pile. At a minimum, the Contractor shall utilize equipment that meet the minimum specifications:

1. Start the wall with a vibratory hammer of 125-ton dynamic force or larger.
1. With blow counts above 50 in sands, an impact hammer with a minimum size of a Delmag D19 Diesel or Dawson 2500 Hydraulic Hammer may be needed to final drive into the very dense sands.

The Contractor shall determine if additional methods are required (jetting, pre-drilling, etc.) is required to install the sheet pile to the specified elevation.

**10. Question:**

*Is Builder's Risk Insurance Required?*

**Answer:**

No, Builder's Risk Insurance is not required for Contractors and Subcontractors.

**11. Question:**

*Detail 2/S302 stipulated helical anchors shall be designed for a 50 kip service compression load, 10 kip service tension load, and a 10 kip service shear load. Are both helical anchors subject to the 10 kip shear load? Can you clarify if that shear load is in all directions?*

**Answer:**

The helical anchors that support the concrete retaining wall are subject to the 10 kip shear load. The shear load is acting perpendicular to the retaining wall.

**12. Question:**

*Helical Specifications call for 10% of helical anchors to be performance tested. The plans call for 5% of helical anchors be performance tested. Please clarify.*

**Answer:**

10% of helical anchors shall be performance tested. All helical anchors shall be proof tested.

**13. Question:**

*Please confirm the loads provided for the helical anchor tiebacks are unfactored.*

**Answer:**

The loads provided for the helical anchor tiebacks are unfactored.

**14. Question:**

*Are there any restrictions regarding the Origin and/or Fabrication of Steel Products?*

**Answer:**

To the greatest extent possible, Contractors are encouraged to purchase American-made equipment and products with funding provided under EDA financial assistance.

**15. Question:**

*Will forgoing the proof testing of Helical Anchors be considered if a higher safety factor is used? If so, please advise on desired safety factor to be used.*

**Answer:**

Forgoing proof testing of Helical Anchors will not be considered if a higher safety factor is used. The loads on the anchors are on the higher end of available helical anchor capacities. Testing will be required due to high loads and high amounts of anchors.

**16. Question:**

*What bid item should excavation and rock salvaging go to? Can a lump sum salvage/excavation pay item be added pertaining to the revetment?*

**Answer:**

A lump sum salvage/excavation pay item has added to the Bid Form (CT36: Excavation – Rock and CT37: Salvage - Rock ) pertaining to the revetment. An updated bid form is attached to this addendum.

**17. Question:**

*There is no toe stone pay item, can that be added with the quantity?*

**Answer:**

The toe stone quantity (tons) is included in the armor stone pay item.

**18. Question:**

*There are pipes noted to be extended in the revetment but no pay items, can those be added?*

**Answer:**

The pipes to be extended in the revetment has been added to the bid form (CT35: 6" Corrugated Steel Pipe) as a pay item. An updated bid form is attached to this addendum. This pay item includes connecting to the existing pipe and installing the new pipe section.

**19. Question:**

*The quantity for removable bollards is 5 SF in the bid form, can you clarify if this should be Each and not Square Feet?*

**Answer:**

The quantity for Removable traffic bollards item L39 should be each. The Bid Form has been updated to reflect this change.

**20. Question:**

*Will the City be waiving obstruction permit costs for shutting down the street?*

**Answer:**

Yes, the City is waiving obstruction permit costs for shutting down the street. This question was previously answered in addendum #1.

**21. Question:**

*Is there any contaminated soil anticipated?*

**Answer:**

Test pits along the entire site we completed along the entire project site. Based on the results of the test pits, contaminated soil is not anticipated in the project area.

**22. Question:**

*Can the bid date be extended by 1 week due to the amount of information to digest on this project?*

**Answer:**

The City has extended the bid due date to Wednesday, August 23<sup>rd</sup>, 2023 at 2:00pm Central Time.

**23. Question:**

*Where do salvaged benches need to be delivered?*

**Answer:**

Salvaged benches need to be delivered to the City Tool house located at 3512 Riley Road. The City will have the means to unload the benches.

**24. Question:**

*For the buoy salvage, addendum 1 said the location is still unknown. Can you provide a distance we can expect to deliver it? Will the City have means to unload it at location?*

**Answer:**

The buoy needs to be delivered to the City Tool house located at 3512 Riley Road. The City will have the means to unload the buoy.

**25. Question:**

*Would fender elevations be adjusted if lake levels are higher?*

**Answer:**

The fender elevations will not be adjusted if the lake levels are higher during construction. They are designed at an elevation that takes water level fluctuations into account.

**26. Question:**

*Would any tieback elements be adjusted if lake levels are higher and in conflict?*

**Answer:**

Tieback elements would not be adjusted if lake levels are higher and in conflict during construction. This project has many items located along the tieback system and adjustments cannot be accepted due to water level fluctuations.

**27. Question:**

*Is there any office space available at the DECC or Aquarium to use as field office?*

**Answer:**

There is no office space available inside the DECC or Aquarium to use as a field office. There is room for mobile offices in the lay down area near the Statue of Liberty.

**28. Question:**

*Any obstructions that are encountered during drive line clearing that require removal, will removal costs be compensated as additional work?*

**Answer:**

Any obstructions that are encountered during drive line clearing that require removal will be incidental to the project and costs will be covered by the contractor. Removal costs will not be compensated as additional work.