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**Addendum 1**  
**Solicitation 21-AA05**  
**RFP for Engineering Svcs for Lakewalk and Shoreline Rehabilitation – Phase IV**

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

1. The pre-bid meeting sign-in sheet is attached.
2. This project only includes coastal / civil engineering in the areas identified and from the water's edge to the top of the bank unless conditions at specific sites require additional area. No trail, surface landscape architecture or other amenities on adjacent surface above the bank are included.
3. The Additional Site Information table has been updated to include corrected GPS coordinates and is attached to this addendum.
4. Work product will include multiple engineer's estimates of cost. Cost estimates will be prepared based on repairing to FEMA-approved quantities and types of materials lost. Additionally, costs estimates will be required to construct final design.
5. All invoices and pay applications for work, both design and construction, must be broken down and tracked by individual FEMA site numbers. Invoices must include percentage of total project cost complete.

Questions answered and additional information provided at the pre-bid meeting and are listed below.

- a. Are any drawings available for the existing concrete outfalls in the project area? *Assume there are no drawings available for concrete outfalls.*
- b. For the shoreline area south of Leif Erickson Park (Damage #387964, Site 3), are there any conceptual proposed repairs available? *There are concept drawings available for the sites south of Leif Erickson Park that were developed in preparation for a grant application but were pulled from the final version. Those concepts will be provided to the successful proposer to be considered along with other ideas.*
- c. The City is assessing moving the trail away from the shoreline in a separate contract.
- d. Due to limited access points along the Lakewalk, construction via barge should be considered for some sites.
- e. Leif Erikson pedestrian bridges weight ratings are unknown. Awarded Consultant will be responsible for determining whether they may be used for construction access.
- f. Consultant to help determine pedestrian/bike detour routes.
- g. The historical ruin in the water next to 404 Hazard Mitigation Site 2 needs to be preserved.

- h. All of the natural shoreline features, including gravel beaches must be preserved per the DNR.
- i. Does the project have a budget? *Project budgets are not made public. Information that is public is that the base cost is calculated by FEMA (quantities of materials lost) and covers the cost to bring to pre-disaster condition. Work beyond that may be covered by a FEMA 406 proposal and city funds.*
- j. Some sites already have conceptual designs, which will be provided to the awarded consultant.
- k. The City will mark the locations on the trail with the awarded consultant.

Please acknowledge receipt of this Addendum by including a copy of it with your proposal.

Posted: **January 29, 2021**

# PRE-BID MEETING SIGN IN SHEET

City of Duluth – FEMA sites – Coastal Engineering RFP

Tuesday, January 26, 2021, at 8:00 AM at Lakewalk Parking Lot near Beacon Pointe

NAME	COMPANY	ADDRESS	PHONE	E-MAIL
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**21-AA05 ADDITIONAL SITE INFORMATION (Revised per Addendum 1 - 1.29.21)**

Map Section	Description	GPS Coordinates		FEMA DDD info
<b>Section B</b>	<b>FEMA Damage #287964, Site 1</b>	46.793909°, - 92.088483°	46.793839°, - 92.088564°	Shoreline Revetment, 388 CY of rip rap [(97 LF x 12 FT x 18 FT)/2 =10742/27]=388 CY, Storm surge wave action washed rip rap into Lake Superior., 0% work completed. Shoreline Revetment, 237 SY of fabric, 97 FT long x 22 FT wide, Storm surge wave action washed rip rap into Lake Superior., 0% work completed.
	<b>FEMA Damage #287964, Site 2</b>	46.793440°, - 92.089027°	46.793378°, - 92.089096°	Shoreline Revetment, 222 CY of rip rap [(20 FT x 30 FT x 20 FT)/2=6000/2=3000]/27=222 CY, Storm surge wave action washed rip rap into Lake Superior.
	<b>FEMA Damage #287964, Site 3</b>	46.795855°, - 92.085097°	46.795547°, - 92.085765°	Shoreline Revetment, 2,200 CY of rip rap (198 LF x 20 FT x 30 FT)/2 = 59,400 CF /27=2200 CY, Storm surge wave action washed rip rap into Lake Superior., 0% work completed. Shoreline Revetment, 440 SY of fabric, 198 FT long x 20 FT wide, Storm surge wave action washed rip rap into Lake Superior., 0% work completed.
<b>Section D</b>	<b>FEMA Damage #287969</b>	46.800396°, - 92.073427°	46.800168°, - 92.073900°	Shoreline Revetment, 197 CY of rip rap, 71 FT long x 25 FT wide x 3 FT high, Storm surge wave action washed rip rap into Lake Superior., 0% work completed.
	<b>FEMA Damage #287968</b>	46.800738°, - 92.072569°	46.800651°, - 92.072809°	Shoreline Revetment, 518 CY of rip rap, 140 FT long x 25 FT wide x 4 FT high, Storm surge wave action washed rip rap into Lake Superior., 0% work completed.
	<b>FEMA Damage #28797, Site 1</b>	46.801813°, - 92.070478°	46.801602°, - 92.070672°	Shoreline Revetment, 236 CY of rip rap, 85 FT long x 3 FT wide x 25 FT high, Storm surge wave action washed rip rap into Lake Superior., 0% work completed.
	<b>FEMA Damage #28797, Site 2</b>	46.801602°, - 92.070672°	46.800806°, - 92.071321°	Shoreline Revetment, 1,467 CY of rip rap, 330 FT long x 30 FT wide x 4 FT high, Storm surge wave action washed rip rap into Lake Superior., 0% work completed.
	<b>FEMA 404 Hazard Mitigation 14th-16th Site 1</b>	46.799419°, - 92.075526°	46.798905°, - 92.076621°	Approx 336 feet of shoreline
	<b>FEMA 404 Hazard Mitigation 14th-16th Site 2</b>	46.798526°, - 92.077374°	46.798236°, - 92.077963°	Approx 200 feet of shoreline
	<b>FEMA Damage #287971 - adjacent to Beacon Point</b>	46.802329°, - 92.067979°	46.802359°, - 92.068382°	Shoreline, 555 CY of unclassified fill, 200 FT long x 10 FT wide x 15 FT high, Storm surge wave action cause shoreline bank washout (200 FT x 10 FT x 15 FT /50%, 0% work completed.