DESCRIPTION OF SUPPLIES
Jacksonville, FL
Mile Point Repairs

1. **DESCRIPTION OF ITEMS TO BE PROCURED**:

a. General Description:

Materials to include ASTM C33 Fine Aggregate (or similar material), No. 57 Stone, No. 1 Stone, R-150 Stone. Material documentation shall be submitted prior to purchase and delivery.

b. Characteristics of these Items:

Gradation tables and parameters are provided in this document.

c. Quantities Needed:

Item No.	Description	Unit	Quant	Details
1	ASTM C33 Fine Aggregate	TN	60	Fine aggregate meeting ASTM C33 gradation requirements for use in concrete, bedding, and fill applications. Material shall be clean, durable, and free of deleterious substances. Similar fine aggregate or sandy material may be substituted for ASTM C33 Fine Aggregate with prior approval. Gradation and material characterization testing must be submitted with request for substitution.
2	No. 57 Stone	TN	100	Crushed coarse limestone aggregate meeting No. 57 gradation requirements, commonly used for drainage, pipe bedding, concrete aggregate, and base material.
3	No. 1 Stone	TN	12,500	Large crushed coarse granite aggregate meeting No. 1 gradation requirements, typically used for stabilization, drainage, and heavy-duty foundation applications
4	R-150 Stone or R-300	TN	22,000	Durable granite quarry stone meeting ASTM D6092 R-150 gradation requirements for erosion control, slope protection, and shoreline stabilization.

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d. Measurement:

The total amount of material shall be measured by the ton with certified calibrated weight scales.

e. Certified Weight Scales:

Submit certificates of calibration for any weight scale used. Certificates must be valid for duration of their use. Certifications must be approved by the Contracting Officer Representative (COR) prior to shipping any stone from any source. Maintain certified weight scale at the storage/staging to weigh armor stone at the Contracting Officer's request.

f. Payment:

The contractor will include costs associated with or incidental to furnishing, and delivering materials to the designated shipping address. Included in the unit cost is all stone sampling and testing, stone quality control, and stone transportation/delivery. The Government will issue payment upon final inspection and acceptance by the COR at the designated shipping address to ensure stones were not damaged during delivery and meet all contract requirements. Payment will not be made for excess stone or unsuitable stone not meeting the requirements specified.

g. Acceptance:

Prior to purchase and delivery of any stone material from any quarry, obtain the Contracting Officer's final written approval of that quarry and the materials from it. Materials delivered on-site are to be verified by the Government.

The COR reserves the right to reject materials from certain localized areas, zones, strata, or channels, when such materials do not meet specified requirements for stone as determined by the Contracting Officer. The COR also reserves the right to reject individual units of stone materials in stockpiles at the quarry, all transfer points, and at the project delivery site when such materials are determined to not meet the requirements of the project specifications or are questionable. If, during the progress of work, it is found that the stone material provided does not fully meet all the requirements of these specifications, provide other stone material that meets the requirements specified herein. Remove stone rejected from the site of work, as not meeting the requirements of these specifications for quality, size, shape, weights, or gradation from the site at no additional cost to the Government and provide stones meeting the requirements at no additional cost to the Government.

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2. **DELIVERY INFORMATION**:

a. Delivery Date:

The contractor shall begin deliveries August 15, 2026, and complete the delivery of all items by November 15, 2026.

The contractor will be responsible for the offload of the materials. USACE crew and equipment will be onsite to manage the stockpiles as they arrive. Close coordination will be implemented to mitigate delays.

b. Ship to address:

Buck Island DMMA
13182 Fort Caroline Rd
Jacksonville, FL 32225

Coordination with POC will be needed prior to scheduling deliveries. Site visit is available upon request.

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Aerial map of delivery location. Materials are to be delivered at the area shown on map as directed by the COR on site.

c. Receiving Point of Contact (POC):

Name and title: Félix J. Colon-Cardona
Email address: felix.j.coloncardona@usace.army.mil

Work phone: (904) 252-1442

d. Receiving Location/Work Hours:

Work shall be accomplished during regular work hours, 8:00 AM to 5:00 PM Monday through Friday.

POC: Félix J. Colon-Cardona

3. **GRADATION TABLES AND MATERIAL SPECIFICATIONS:**

ASTM C-33 Fine Aggregate

U.S. Standard Sieve Name	ASTM Sieve Size (mm)	Percent (%) Finer Lower Limits	Percent (%) Finer Upper Limits
3/8"	9.5	100	100
#4	4.75	100	95
#8	2.36	100	80
#16	1.18	85	50
#30	0.6	60	25
#50	0.3	30	2
#100	0.15	10	0
#200	0.075	3	0

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No. 57 Stone – Limestone Material

U.S. Standard Sieve Name	ASTM Sieve Size (mm)	Percent (%) Finer Lower Limits	Percent (%) Finer Upper Limits
1.5"	37.5	100	100
1"	25	100	95
1/2"	12.5	60	25
#4	4.75	10	0
#8	2.36	5	0

No. 1 Stone – Granite Material

U.S. Standard Sieve Name	ASTM Sieve Size (mm)	Percent (%) Finer Lower Limits	Percent (%) Finer Upper Limits
4"	100	100	100
3.5"	90	100	90
2.5"	63	60	25
1.5"	37.5	15	0
3/4"	19	5	0

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R-150/R-300 Stone – Granite Material

Percent (%) Lighter by Weight	Lower Limits (lbs)	Upper Limits (lbs)
100	150	300
50	60	150
15	20	60
0	0	20

Material Property Requirements – Coarse Aggregate / Stone Material

a. Evaluation Testing of Stone: Complete evaluation testing by a USACE validated commercial testing laboratory unless otherwise approved by the Contracting Officer. Test results must be no greater than 1 year old. Complete evaluation testing on each lithologic type(s) used.

Property	Requirement	Test Method	Remarks
Absorption	≤ 5%	ASTM C127	Based on SSD condition
Soundness	≤ 10% loss	ASTM C88	5 cycles
LA Abrasion	≤ 35% loss	ASTM C131 *(or C535 for larger sizes)*	500 revolutions
Specific Gravity (SSD)	Limestone: ≥ 2.3 Granite: ≥ 2.5	ASTM C127 ASTM C127	Saturated Surface Dry (SSD)
Unit Weight	Limestone: ≥ 140 pcf Granite: ≥ 165 pcf	ASTM C127 ASTM C127	Greater than or equal to required unit weight (Saturated Surface Dry)

Note: pcf = pounds per cubic foot

b. Size and Shape of Stone: Provide stones blocky in shape with sharp angular edges. The term blocky means cuboidal (roughly cubical in shape). The term angular means that the blocky stone have sharp, clean, angular to sub-angular edges at the intersections of relatively flat faces. Do not use boulders and parts of boulders with a boulder being defined as any rounded stone not having sharp, clean, angular to sub-angular edges. Set aside stone deemed unacceptable and do not use in this Contract. Do not use stones

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having a length to thickness ratio greater than 3:1 or those that are considered flat, elongated or flat, and elongated.

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