



**JEFFERSON COUNTY DRAINAGE DISTRICT NO. 6**  
**Karen J. Stewart, MBA, CTP Business Manager: Purchasing Agent**

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6550 Walden Rd., Beaumont, Texas 77707 Phone: 409-842-1818 Fax: 409-842-2729

**Legal Notice**

**Advertisement for Invitation for Bids**

October 5, 2016

Notice is hereby given that sealed bids will be accepted by Jefferson County Drainage District No. 6 for a (IFB 16-025/KJS) Cellular Concrete Mats for D500NFW and NFE, for Jefferson County Drainage District No. 6 Specifications for this project may be obtained from the Jefferson County Drainage District No. 6 webpage <http://www.dd6.org/purchasing/bid-specs/bids>

Bids are to be sealed and addressed to Jefferson County Drainage District No. 6 and marked "Administrative Sealed Bid" with "(IFB 16-025/KJS) Cellular Concrete Mats for D500NFW and NFE, for Jefferson County Drainage District No. 6" on the outside of the envelope. Bidders shall forward an original and one (1) copy of their bid to the address shown below. The District does not accept bids submitted electronically. Late bids will be rejected as non-responsive. Administrative bids will be publicly opened and read aloud in the Jefferson County Drainage District No. 6 boardroom at the time and date below. Bidders are invited to attend the administrative sealed bid opening.

**BID NAME:** Cellular Concrete Mats for 500NFW and NFE, for Jefferson County Drainage District No. 6  
**BID NUMBER:** IFB 16-025/KJS  
**DUE DATE/TIME:** 2:00 PM, Thursday, November 17, 2016  
**MAIL OR DELIVER TO:** Jefferson County Drainage District No. 6  
6550 Walden Rd.  
Beaumont, Texas 77707

We look forward to your active participation in this solicitation.

Sincerely,

A handwritten signature in black ink that reads "Karen J. Stewart". The signature is written over a circular stamp that is partially visible, which matches the Jefferson County Drainage District No. 6 logo.

Karen J. Stewart, MBA, CTP  
Business Manager: Purchasing Agent  
Jefferson County Drainage District No. 6

Publish: Beaumont Enterprise Wednesday October 26, and November 2, 2016

**IFB 16-025/KJS**  
**Cellular Concrete Mats for D500NFW and NFE**  
**for Jefferson County Drainage District No. 6**

**Bids due: 2:00 PM, Thursday November 17, 2016**

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**BIDDER IS RESPONSIBLE FOR RETURNING ALL REQUIRED PAGES (MARKED WITH AN “X” ABOVE)  
WITH THE BID. FAILURE TO RETURN ALL REQUIRED FORMS COULD RESULT IN A BID BEING  
DECLARED AS NON-RESPONSIVE.**

# Instructions to Bidders

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## 1. Bid Submission

Bids must be submitted in complete original form by mail or messenger to the following address:

Jefferson County Drainage District No. 6  
6550 Walden Road  
Beaumont, TX 77707

Bids will be accepted at the above address until the time and date specified herein, and immediately after will be publicly opened and read aloud in an administrative bid opening in the District Boardroom.

**All bids shall be tightly sealed in an opaque envelope and plainly marked with the Bid Number, Bid Name, Bid Due Date, and the Bidder's Name and Address; and shall be addressed to the Purchasing Agent.**

Late bids will not be accepted and will be returned unopened to the bidder.

All bids submitted in response to this invitation shall become the property of Jefferson County Drainage District No. 6 (the District) and will be a matter of public record available for review.

## 2. Preparation of Bids

The bid shall be legibly printed in ink or typed.

If a unit price or extension already entered is to be altered, it shall be crossed out and initialed in ink by the bidder.

The bid shall be legally signed and shall include the complete address of the bidder.

The District is exempt from Federal and State Sales Taxes, and such taxes shall not be included in bid prices.

## 3. Signatures

All bids, notifications, claims, and statements must be signed by an individual authorized to bind the bidder. The individual signing certifies, under penalty of perjury, that he or she has the legal authorization to bind the bidder.

## 4. District Holidays – 2016:

January 1	Friday	New Year's Day
January 18	Monday	Martin Luther King, Jr. Day
February 15	Monday	President's Day
March 25	Friday	Good Friday
May 30	Monday	Memorial Day
July 4	Monday	Independence Day
September 5	Monday	Labor Day
November 11	Wednesday	Veterans Day
November 26-27	Thursday-Friday	Thanksgiving
December 26-27	Monday-Tuesday	Christmas

**5. Rejection or Withdrawal**

Submission of additional terms, conditions or agreements with the bid document are grounds for deeming a bid non-responsive and may result in bid rejection. The District reserves the right to reject any and all bids and to waive any informalities and minor irregularities or defects in bids. Bids may be withdrawn in person by a bidder or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the time set for receipt of bids. Bids are an irrevocable offer and may not be withdrawn within 90 days after opening date. At times the District will ask for equipment pricing to be extended for up to one calendar year, but this will be stated specifically in the Bid Form if applicable.

**6. Award**

The bid will be awarded to the responsible, responsive bidder(s) whose bid, conforming to the solicitation, will be most advantageous to the District— price and other factors considered. Unless otherwise specified in this IFB, the District reserves the right to accept a bid in whole or in part, and to award by item or by group, whichever is deemed to be in the best interest of the District. Any bidder who is in default to the District at the time of submittal of the bid shall have that bid rejected. The District has the right to clarify any contractual terms with the concurrence of the Contractor; however, any substantial nonconformity to specifications in the bid, as determined by (the District), shall be deemed non-responsive and the offer rejected.

In evaluating bids, the District shall consider the qualifications of the bidders, and, where applicable, operating costs, delivery time, maintenance requirements, performance data, and guarantees of materials and equipment. In addition, (the District) may conduct such investigation as it deems necessary to assist in the evaluation of a bid and to establish the responsibility, qualifications, and financial ability of the bidders to fulfill the contract.

**7. Contract**

A response to an IFB is an offer to contract with the District based upon the terms, conditions, and specifications contained in the IFB. Bids do not become contracts unless and until they are executed by (the District) Board of Director or General Manager, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the contract are contained in the IFB, unless any of the terms and conditions is modified by an IFB Amendment, a Contract Amendment, or by mutually agreed terms and conditions in the contract documents.

**8. Waiver of Subrogation**

Bidder and bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against Jefferson County Drainage District No. 6 as an indirect party to any suit arising out of personal or property damages resulting from bidder's performance under this agreement.

**9. Fiscal Funding**

A multi-year contract (if requested by the specifications) continuing as a result of an extension option must include fiscal funding out. If, for any reason, funds are not appropriated to continue the contract, said contract shall become null and void.

**10. Bid Results**

Bid results are not provided in response to telephone inquiries. A preliminary tabulation of bids received will be at <http://www.dd6.org/purchasing/bid-specs/bids> as soon as possible following bid opening. A final tabulation will be available following bid award, and will also be available for review at 6550 Walden Rd., Beaumont, Texas 77707.

## 11. Changes and Addenda to Bid Documents

Each change or addendum issued in relation to this IFB document will be on file at 6550 Walden Rd, Beaumont, Texas 77707, as soon as possible. It shall be the bidder's responsibility to make inquiry as to change or addenda issued. All such changes or addenda shall become part of the contract and all bidders shall be bound by such addenda. Information on all changes or addenda issued will be available at 6550 Walden Rd, Beaumont, Texas 77707.

## 12. Specifications

Unless otherwise stated by the bidder, the bid will be considered as being in accordance with Jefferson County Drainage District No. 6's applicable standard specifications, and any special specifications outlined in the bid document. References to a particular trade name, manufacturer's catalogue, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of the District, and should not be construed as excluding bids on other types of materials, equipment, and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless departure or substitution is clearly noted and described in the bid. The District reserves the right to determine if equipment/product being bid is an acceptable alternate. All goods shall be new unless otherwise so stated in the bid. Any unsolicited alternate bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of the bid, may be considered non-responsive.

## 13. Delivery

**Bids shall include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder (in writing on the included Bid Form), prices bid will be considered as being based on F.O.B. destination/delivered freight included.**

## 14. Interpretation of Bid and/or Contract Documents

All inquiries shall be made within a reasonable time prior to the date and time fixed for the bid opening, in order that a written response in the form of an addendum, if required, can be processed before the bids are opened. Inquiries received that are not made in a timely fashion may or may not be considered.

## 15. Currency

Prices calculated by the bidder shall be stated in U.S. dollars.

## 16. Pricing

Prices shall be stated in units of quantity specified in the bid documents. In case of discrepancy in computing the amount of the bid, the unit price shall govern.

## 17. Notice to Proceed/Purchase Order

The successful bidder may not commence work under this contract until authorized to do so by written Notice to Proceed or Purchase Order.

## 18. Certification

By signing the offer section of the Offer and Acceptance page, bidder certifies:

- The submission of the offer did not involve collusion or other anti-competitive practices.
- The bidder has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to any public servant in connection with the submitted offer.
- The bidder hereby certifies that the individual signing the bid is an authorized agent for the bidder and has the authority to bind the bidder to the contract.

## 19. Definitions

"The District" – Jefferson County Drainage District No. 6, Texas.

"Contractor" – The bidder whose proposal is accepted by Jefferson County Drainage District No. 6.

**20. State Auditor Clause**

By executing this bid, the bidder, if awarded a contract, accepts the authority of the State Auditor's Office, under direction of the legislative audit committee, to conduct audits and investigations in connection with any and all state funds received pursuant to a contract. The successful bidder or any of its subcontractors shall comply with and cooperate in any such investigation or audit. The successful bidder agrees to provide the State Auditor with access to any information the State Auditor considers relevant to the investigation or audit. The successful bidder also agrees to include a provision in any subcontract related to this bid that requires the subcontractor to submit to audits and investigation by the State Auditor's Office in connection with any and all state funds received pursuant to the bid and or contract, if an award is made to the bidder.

**21. Financial Records**

The successful bidder and its subcontracted parties shall maintain satisfactory financial accounting documents and records, including copies of invoices and receipts, and shall make them available for examination and audit by the State, or Jefferson County Drainage District No. 6. Accounting by successful bidder and its subcontracted parties shall be in a manner consistent with generally accepted accounting principles.

**22. No Debt Against the State**

Any contract issued as a result of this bid is in agreement and shall not be construed as creating any debt by or on behalf of the State of Texas, and all obligations of the State of Texas are subject to the availability of funds. The validity or construction of any Agreement resulting from this bid, as well as the rights and duties of the parties herein under, shall be governed by the laws of the State of Texas, in Jefferson County.

**23. Payments**

After an award of bid, bidder will submit all billings to the District with proper documentation. Providing the invoicing has been received with correct format within five (5) working days before the next regularly scheduled Board of Directors meeting, held twice monthly, the payment will be processed and mailed within three (3) business days after each board meeting

**24. General Insurance Requirements**

I. Commercial General Liability Limits:

Each Occurrence	\$1,000,000
Fire Damage to Rented Premises	\$ 100,000
Medical Expenses	\$ 5,000
Personal & Adv. Injury	\$1,000,000
General Aggregate	\$2,000,000
Products-Comp/Ops Aggregate	\$2,000,000

II. Auto Liability Limits:

Combined Single Limits for Owned, Hired & Non-Owned	\$1,000,000
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III. Umbrella Liability Limits:

Each Occurrence	\$1,000,000
Aggregate	\$1,000,000

IV. Worker's Compensation Limits:

Workers' Compensation	Statutory
Employer's Liability	\$ 500,000/500,000/500,000

Prior to commencement of work, Vendor shall furnish ACORD 25 (2010/05) certificates verifying coverage and limits outlined above and other provision set forth below. Such insurance shall be provided by carriers rated by AM Best & Company and deemed acceptable by the District.

Certificates shall document Waiver of Subrogation provisions in favor of the District on Commercial General Liability, Auto Liability, Umbrella Liability, and Workers Compensation policies.

Certificates shall document Additional Insured provisions in favor of the District on Commercial General Liability, Auto Liability, and Umbrella Liability policies.

Companies furnishing Temporary Personnel shall amend their Workers Compensation policy to include Alternate Employer Endorsement (Texas -- WC 000301) naming Jefferson County Drainage District No. 6.

Certificates shall document reasonable cancellation provisions to protect the interests of the District.

Coverage and Limits set forth above are minimum requirements and may be adjusted by the District to include higher limits and other coverage such as Professional Liability, Pollution Liability, USL&H, Jones Act, and Protection & Indemnity.

Please direct Certificates of Insurance to the attention of Paula Anderson, Administrative Assistant for approval and further handling.

Paula Anderson  
Administrative Assistant  
Jefferson County Drainage District No. 6  
6550 Walden Rd. / P.O. Box 20078  
Beaumont, Texas 77720-0078  
E-mail: [pkanderson@dd6.org](mailto:pkanderson@dd6.org)  
Phone: (409) 842-1818

# Minimum Specifications

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The following requirements and specifications supersede General Requirements where applicable. Contact Karen J. Stewart, Business Manager: Purchasing Agent

(e-mail) [kstewart@dd6.org](mailto:kstewart@dd6.org), Phone: 409-842-1818, regarding any questions or comments. Please reference bid number (IFB 16-025/KJS).

## Objective

The Purchasing Department will receive sealed bids to supply 192 cellular concrete mattresses for erosion control to be placed on the Northfork of Taylors Bayou Ditch 500.

The Awardee shall provide all equipment, fuel, labor, materials, transportation, trucks, vehicles, and any/all other services necessary for the supply and delivery of Cellular Concrete Mats for D500 in accordance with the terms and conditions of this specification. Delivery sites will be determined at later date. The sites will be within 5 miles of the FM 365 Exit on IH-10) Additionally, the Awardee will provide products of the highest and best quality that are competitively priced and delivered in a timely manner. Finally, the Awardee must have experience and have an established, credible reputation for servicing large volume location customers.

## Description

### PART 1 – GENERAL

1.1 SCOPE OF WORK. The work covered by this Section consists of furnishing all plant, labor, equipment, and materials, and performing all operations in connection with the installation of cellular concrete mattresses as specified herein.

1.2 REFERENCES. The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

American Society for Testing and Materials (ASTM) Publications.

ASTM C 33-93

Concrete Aggregates

ASTM C 140-96B

Sampling and Testing Concrete Masonry Units

ASTM C 476-95

Grout for Masonry

ASTM D 698-78

Moisture Density Relationship of Soils ASTM D 6684

Materials and Manufacture of Articulating  
Concrete Block (ACB) Retention Systems

U.S. Federal Highway Administration (FHWA) and U.S. Bureau of Reclamation (USBR)  
Report.

FHWA-RD-89-199 Hydraulic Stability of Articulated Concrete Block Retention Systems  
During Over-topping Flow.

### 1.3 DELIVERY, STORAGE, AND HANDLING OF MATERIALS.

#### 1.3.1 Delivery and Storage.

Materials delivered to the site shall be inspected for damage, unloaded and stored with the minimum of handling. Materials shall be kept free of dirt and debris.

#### 1.3.2 Handling. Materials shall be handled in such a manner as to ensure delivery to the site in sound, undamaged condition. Synthetic geotextiles that are not to be installed immediately shall be protected from the direct sunlight and in accordance with the applicable portions of the Section entitled GEOTEXTILES USED AS FILTERS.

### 1.4 SUBMITTALS. The following shall be submitted in accordance with the Section entitled SUBMITTAL PROCEDURES.

#### 1.4.1 Shop Drawings. At least 30 days prior to the start of any installation of the cellular concrete mats, the Contractor shall submit to the owner shop drawings for the layout and details of the cellular concrete mats. The cellular concrete mats layout shall be to the lines and grades shown on the drawings. The shop drawings shall include layout, layout sequence, anchor details, mat junction details, anchor to mat connection details, and details for grade change.

#### 1.4.2 Representative Samples. Product literature and suitable samples of the cellular concrete mattresses, cable, fittings, anchors and filter fabric shall be submitted to the Owner for approval, prior to delivery of any such material to the site of the work. All samples shall be obtained by the Contractor and delivered at his expense to a point designated by the Owner within 10 days after award of contract. The contractor shall submit the cellular concrete block revetment system Manufacturer's certification that the revetment system and components meet the requirements of this specification.

#### 1.4.3 Documentation of Testing. The contractor shall provide to the owner test results documenting that the revetment system has been tested under controlled flow conditions for hydraulic performance characteristics in accordance with FHWA-RD- 89-199, utilizing a 2:1 slope in the direction of flow.

### 1.5 MEASUREMENT OF CELLULAR CONCRETE MATTRESSES. The unit of measurement for the cellular concrete mattresses shall be by the square foot of cellular concrete mattresses placed.

### 1.6 PAYMENT for acceptable cellular concrete mattresses delivered and received in good condition will be made at the contract unit price for "Cellular Concrete Mattresses," which prices shall include all costs for furnishing, hauling, and placing the cellular concrete mattresses as specified herein.

## 2 PART 2 – MATERIALS

### 2.1 MATERIALS FOR CELLULAR CONCRETE MATTRESSES.

2.1.1 Cellular Concrete Mattresses shall be manufactured in conformance with the requirements of ASTM D 6684 “Materials and Manufacture of Articulating Concrete Block (ACB) Revetment /Systems”, except that, unless otherwise specified, freeze-thaw requirements shall not apply.

2.1.2 Concrete shall conform to ACI requirements for normal weight concrete and shall have a minimum compressive strength of 4,000 psi at 28 days when tested in accordance with ASTM C140-96B.

2.1.3 Aggregate shall meet the requirements of ASTM C 33 except for grading requirements. Aggregate grading shall be reasonably consistent and shall be well graded from the maximum size, which can be conveniently handled with available equipment.

2.2 CELLULAR CONCRETE BLOCKS shall be formed by a vibratory block forming machine. Cellular concrete blocks shall be interlocking; and penetrations shall be included for revetment cables as necessary to bind the individual blocks into mattresses in two perpendicular directions. Cable penetrations shall prevent any exposure of cables to potential UV degradation within the dimensions of the individual blocks (i.e., cables shall not pass through open areas within the dimensions of individual blocks). The blocks shall be open cell, as shown in the plans, and capable of articulation when formed into mattresses.

2.2.1 Design Requirements. The weight of the block shall have the following minimum requirements:

Product	Nominal Thickness	Weight (lb./sq. ft.)	% Open Area
SHOREBLOCK BD or EQUAL	5.00	40-45	20

2.3 CELLULAR CONCRETE MATTRESSES shall be SHOREBLOCK® BD or EQUAL.

Cellular concrete mattresses shall be pre-manufactured as an assembly of concrete blocks when connected into mattresses by the use of revetment cables. Two (2) integral longitudinal cables per block are required, as well as one (1) integral transverse cable. No partial or “half” blocks will be allowed without a transverse cable. The final revetment system must be tied continuously throughout with cables in two perpendicular directions. Proposed equals must be noted as such on the bid proposal. The owner or his engineer reserves the right to accept or reject any proposed equal cellular concrete mattress system for reasons including but not limited to previous performance record, appropriate and applicable testing, hydraulic performance characteristics, and

qualified technical support. The following information must be included in the submittal to be considered for approval:

1. Test results documenting the critical shear stress and velocity of the specific revetment system (geometry and thickness) being proposed as an equal utilizing a 2:1 slope in the direction of flow.
2. Manufacturer's certification that the revetment system designs and components meet all of the requirements of this specification.

2.3.1 Size of Cellular Concrete Mattresses. The Cellular concrete blocks and cables and fittings shall be fabricated at the manufacturer's plant or another approved location into mattresses with a width of up to 8 feet and a length that is capable of being transported without special permitting.

2.4 REVETMENT CABLE. The concrete blocks shall be bound into mats by the use of polyester revetment cable and fittings. Revetment cables shall be placed in both the longitudinal and transverse directions. Individual blocks shall be interconnected in two (2) perpendicular directions.

2.4.1 Polyester Revetment Cable shall be constructed of high tenacity, low elongating, and continuous filament polyester fibers. Cable shall consist of a core construction comprised of parallel fibers contained within an outer jacket or cover. The weight of the parallel core shall be between 65 to 70 percent of the total weight of the cable. Longitudinal cables shall be sized to provide a minimum cable strength to mat weight ratio of 5:1 for safe material lifting/handling. Additionally, all revetment cable shall have the following minimum physical characteristics:

DIRECTION	NOM. CABLE DIAMETER	APPROX. AVG. STRENGTH LB.	WEIGHT/100FT. (LB.)
Longitudinal & Transverse	1/4"	3,700	2.47

2.4.2 Elongation Requirements specified below are based upon stabilized new, dry cable. Stabilization refers to a process in which the cable is cycled fifty (50) times between a load corresponding to  $200D^2$  and a load equal to 10, 20, or 30 percent of the cable's approximate average breaking strength. Relevant elongation values are as shown on the table below. The tolerance of these values is  $\pm 5$  percent.

2.5 GEOTEXTILES USED AS FILTERS.

2.5.1 Nonwoven needle-punched geotextile made of 100% polypropylene staple filaments resistant to ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Provide in 15' x 300' rolls. Provide for 3' minimum overlap at all joints.

2.5.2 Chart

PROPERTY	TEST METHOD	M.A.R.V.
Weight	ASTMD-5261	12.0 oz. / sq. yd.
Tensile Strength	ASTMD-4632	300 lbs.
Elongation Break	ASTMD-4632	50%
Tear Strength	ASTMD-4533	115 lbs.
CBR Puncture	ASTMD-6241	850 lbs.
Permittivity	ASTMD-4491	1.00 Sec <sup>-1</sup>
Water Flow Rate	ASTMD-4491	75 g. / min. / s.f.
UV Resistance @ 500 hours	ASTMD-4355	70%

3 PART 3 - INSTALLATION

3.1 INSTALLATION OF CELLULAR CONCRETE MATTRESSES.

NOTE: Unloading and placement of the cellular concrete mattresses, including any and all site preparation, is the sole responsibility of Jefferson County Drainage District No. 6. This bid package is for the supplying and delivering of the cellular concrete mattresses to the project site only. This section is being included for informational purposes only.

3.1.1 Construction Methods. Areas on which filter fabric and cellular concrete mattresses are to be placed shall be constructed to the lines and grades shown on the drawings. The subgrade for the cellular concrete mats shall be free of voids, pits, or depressions and shall be proof-rolled to a minimum of 90% of the ASTM D 698 density. Voids, pits or depressions shall be brought to grade by backfilling in accordance with the applicable portions of the project specifications. All obstructions, such as roots and projecting stones larger than 1 inch remaining on the surface, shall be removed and all of the soft or low density pockets of

material removed must be filled with selected material and compacted to a minimum of 90% of the ASTM D 698 density. Special consideration for buried obstructions (i.e. stumps, debris, etc.) will be as shown on the drawings.

3.1.2 Excavation and Preparation for anchor trenches, side trenches, and toe trenches or aprons shall be done in accordance to the lines, grades and dimensions shown on the drawings.

3.1.3 Inspection and Approval. Immediately prior to placing the filter fabric and cellular concrete mattresses, the prepared area shall be inspected by the owner's representative and approval obtained before any fabric or mattresses are placed thereon.

### 3.2 INSTALLATION OF CELLULAR CONCRETE MATTRESSES.

3.2.1 General. Cellular Concrete Mattresses shall be placed within the limits shown on the drawings. The cellular concrete mats or blocks shall be placed on the filter fabric in such a manner as to produce a relatively planar surface. No more than 200 linear feet of filter fabric shall be laid before being covered with concrete mattresses, and any fabric installed more than 2 days shall be lifted and the surface of the slope inspected for any slope defects. The owner may require any uncovered fabric to be lifted after heavy rainfall to inspect for slope damage. Final acceptance and approval of the installation will be made by the owner. The Contractor shall hold the owner harmless from liability of any kind arising from the use of any patented or non-patented invention used in the performance of this work.

3.2.2 Placement of Prefabricated Mattresses shall be done with mats attached to a spreader bar or other approved device to aid in the lifting and placing of the mats in their proper position by the use of a crane or other approved equipment. The mats shall be placed side-by-side and/or end-to-end so that the mats abut each other. The maximum space or gap between mattresses shall be 3 inches, except that local wider gaps may be accepted if the length of the gap is less than 3 feet and the entire gap is grouted. No overlapping of mats will be accepted and no blocks shall project vertically more than 1 inch beyond the adjacent blocks. All placements of mats shall be in accordance with the manufacturer's recommendations and the Contractor's approved shop drawings. As adjacent mats are placed, they shall be secured to each other by fastening the protruding horizontal and vertical cable connections and end cable loops together along each side of the mats. The fastening shall be done with approved sleeves.

3.2.3 Individual Concrete Blocks that are hand placed shall be subject to the spacing and level parameters specified in Subparagraph: Placement of Prefabricated Mattresses above. Revetment cables shall be threaded into the blocks as the placement proceeds and fastened with approved sleeves, fittings or fasteners.

3.2.4 Filter Fabric for the cellular concrete mattresses shall be installed in accordance with the Section entitled GEOTEXTILES USED AS FILTERS. Adjacent layers of filter fabric shall have a minimum of two feet of overlap. Fabric shall be secured with 6" x 1" x 6" steel pins prior to placement of cellular concrete mattresses.

### 3.3 FINISHING.

3.3.1 Surface Treatment. If required on the plans, the voids of the cellular concrete mats for the limits shown on the drawings shall be filled with topsoil. The soil should then be seeded.

3.3.2 Inspection and Approval. Prior to the placement of any required surface treatment per section 3.3.1, the owner shall inspect the installed cellular concrete mattresses for defects and/or damage. Individual blocks which are broken and the weight reduced below 1/3 of the original individual block weight shall be replaced or removed and grouted per section 2.6 prior to the placement of any required surface treatment.

### 3.4 CONTRACTOR QUALITY CONTROL.

3.4.1 The Contractor shall inspect for compliance with contract requirements and record the inspection of all operations including but not limited to the following, as applicable:

1. Preparation of surface to receive cellular concrete mattresses.
2. Individual concrete blocks and filter fabric soundness and free of defects.
3. Cables and fittings - breaking strength.
4. Assembly of cellular concrete blocks bound by cables to form cellular concrete mattresses.
5. Placement of mattresses and filter fabric on the prepared subgrade.
6. Embedment of cables in the anchor trenches, side trenches, and toe trenches.

**OFFER AND ACCEPTANCE FORM  
OFFER TO CONTRACT**

**(IFB 16-025/KJS)  
Cellular Concrete Mats for D500NFW and NFE**

To Jefferson County Drainage District No. 6:

We hereby offer and agree to furnish the materials in compliance with all terms, conditions, specifications, and amendments in the Invitation for Bid and any written exceptions in the offer. We understand that the items in this Invitation for Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Jefferson County Drainage District No. 6.

We acknowledge receipt of the following amendment(s): \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

**I certify, under penalty of perjury, that I have the legal authorization to bind the firm here- under:**

For clarification of this offer, contact:

Company Name

\_\_\_\_\_

Address

\_\_\_\_\_

Name

\_\_\_\_\_

City

State

Zip

\_\_\_\_\_

Phone

Fax

\_\_\_\_\_

Signature of Person Authorized to Sign

\_\_\_\_\_

E-mail

\_\_\_\_\_

Printed Name and Title

***Bidder Shall Return Completed Form with Offer.***

# Acceptance of Offer

## (IFB 16-025/KJS) Cellular Concrete Mats for D500NFW and NFE

The Offer is hereby accepted for the following items: Cellular Concrete Mats for D500NFW and NFE as shown on the bid tab.

The Contractor is now bound to sell the materials listed based upon the Invitation for Bid, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by Jefferson County Drainage District No. 6.

This contract shall henceforth be referred to as Contract No. (16-025/KJS), Cellular Concrete Mats for D500NFW and NFE. The Contractor has not been authorized to commence any billable work or to provide any material or service under this contract until Contractor receives a purchase order and/or a notice to proceed from the Jefferson County Drainage District No. 6 Purchasing Agent.

### Countersigned:

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Joshua W. Allen, Sr., President, Board of Directors  
Jefferson County Drainage District No. 6

---

Date

**BIDDER MUST RETURN THIS PAGE WITH OFFER**

**BID SHEET**  
**(IFB 16-025/KJS)**  
**Cellular Concrete Mats for D500NFW and NFE**  
**Opening at 2:00 PM on Thursday, November 17, 2016**

Line Item	Description	Quantity	Price Per Square Foot	Total Price
1	Shoreblock BD-500 or EQUAL  (Including geo-textile fabric specified and all accessories)	192 Mats (8' x 16')  (Approx. 24,576 Square Feet)	\$	

If your Company offers any discount for payment in under 30 days, please state the percentage discount and the number of days for payment at the discounted rate

Discount on Payment \_\_\_\_\_ % Net \_\_\_\_\_ Days

Estimated Delivery Time Per Order \_\_\_\_\_

Manufacturer Bid \_\_\_\_\_

Company Submitting Bid:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State: \_\_\_\_\_

Contact Numbers: \_\_\_\_\_

Officer's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_  
Printed Name

Acknowledgment of Addenda (if any):

Addendum 1 \_\_\_\_\_ Date Received \_\_\_\_\_

Addendum 2 \_\_\_\_\_ Date Received \_\_\_\_\_

Addendum 3 \_\_\_\_\_ Date Received \_\_\_\_\_

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