

MOBILE COUNTY COMMISSION

205 Government Street 8TH FL South
Mobile, Alabama 36644

BID INVITATION

NO. 108-22

July 27, 2022

In accordance with General Act No. 217, Special Session 1967, notice is hereby given that the Mobile County Commission, Mobile, Alabama, will receive bids on the following items:

ANNUAL TIED-CONTROL BLOCK EROSION CONTROL MATERIAL BID FOR MOBILE COUNTY PUBLIC WORKS DEPARTMENT AS PER ATTACHED SPECIFICATIONS:

NOTE: PRICES MUST REMAIN FIRM FROM OCTOBER 1, 2022 THROUGH SEPTEMBER 30, 2023

Any questions or comments concerning the bid requirements must be brought to the attention of Susan Holland, Purchasing Agent, 205 Government Street, 8th FL South, Mobile, Alabama 36644, susan.holland@mobilecountyal.gov prior to the bid opening or will be forever waived.

All bidders shall furnish a five percent (5%) bid bond on any contract exceeding \$15,000.00: provided that bonding is available for services, equipment or materials. Bid bond will be accepted in the form of a certified check, cashier's check, or postal money order, etc.

Out of State Corporations shall furnish a Certificate of Authority to transact business in the State of Alabama. Out of State limited liability companies shall furnish proof of registration to transact business in this state. Alabama law requires that a successful bidder, if it has employees in the State of Alabama, provide proof of enrollment in E-Verify prior to the award of a contract. (See enclosed notice which must be completed, signed and returned with your bid.)

If applicable to a contract resulting from this invitation, the successful bidder must comply with the Contractor Felony Investigation Policy, available in the Purchasing Department or at mobilecountyal.gov.

THE MOBILE COUNTY COMMISSION DOES NOT DISCRIMINATE ON THE BASIS OF RACE, AGE, SEX, NATIONAL ORIGIN, RELIGION, OR DISABILITIES.

F.O.B. Mobile DATE OF DELIVERY _____ TERMS _____ You are invited to bid on the above specifications. The restrictions contained herein are for the purpose of fixing a quality level, and any deviation therefrom must, in detail establish that it meets the quality requirements.

BIDS WILL BE RECEIVED UNTIL 10:00 A.M. AUGUST 31, 2022.

ALL BIDS MUST BE SEALED, "BID NUMBER, COMPANIES NAME, AND NAME OF THE BID ITEM MARKED ON THE OUTSIDE OF THE ENVELOPE." THE BIDDER WILL RETURN THE ENTIRE BID PACKAGE. BIDS MUST BE DELIVERED TO THE RECEPTIONIST IN THE OFFICE OF THE COUNTY COMMISSION ADMINISTRATOR, 205 GOVERNMENT STREET ON THE EIGHTH FLOOR SOUTH TOWER OF THE MOBILE COUNTY GOVERNMENT PLAZA. FAILURE TO OBSERVE THE ABOVE INSTRUCTIONS WILL CONSTITUTE GROUNDS FOR REJECTION OF YOUR BID. THE COMMISSION RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS.

MOBILE COUNTY COMMISSION



GLENN L. HODGE, COUNTY ADMINISTRATOR

We propose to meet the above specifications for the sum of

\$ SEE ATTACHED LIST.

Delivery can be made in _____ days from receipt of order.

RESPECTFULLY

BY _____



IMPORTANT

**THIS DOCUMENT MUST BE COMPLETED,
SIGNED AND RETURNED WITH YOUR BID**

As a condition for the award of a competitively bid contract to a company having one or more employees in the State of Alabama, the Beason-Hammon Alabama Taxpayer Citizenship and Protection Act, codified at Section 31-31-1, et seq., Code of Alabama (1975), as amended, requires that the company provide, in advance, proof of enrollment in E-Verify. E-Verify is an internet based system operated by the U.S. Department of Homeland Security, which may be used to determine the eligibility of new hires to work in the United States. Further information about enrollment in E-Verify may be found at www.uscis.gov/everify and www.Verify.Alabama.gov.

As proof of enrollment in E-Verify, Mobile County requires a copy of the electronically signed signature page of the contractor's Memorandum of Understanding with the U.S. Department of Homeland Security or Alabama Department of Homeland Security (contractors having fewer than 25 employees may enroll in E-Verify through the state Department of Homeland Security).

Please complete the following and return with your bid:

_____ (company name) has no employees in the
State of Alabama

Or

_____ (company name) is enrolled in E-Verify and a
copy of the electronically signed signature page of the company's Memorandum of Understanding is
attached.

Date

Signature

Title



Company ID Number: 477783

To be accepted as a participant in E-Verify, you should only sign the Employer's Section of the signature page. If you have any questions, contact E-Verify at 888-464-4218.

Employer Mobile County Commission	
Connie Hudson	
Name (Please Type or Print)	Title
<i>Electronically Signed</i>	12/21/2011
Signature	Date
Department of Homeland Security – Verification Division	
USCIS Verification Division	
Name (Please Type or Print)	Title
<i>Electronically Signed</i>	12/21/2011
Signature	Date

Information Required for the E-Verify Program

Information relating to your Company:

Company Name:	Mobile County Commission
Company Facility Address:	205 Government Street
	8th Floor South Tower
	Mobile, AL 36644
Company Alternate Address:	
County or Parish:	MOBILE
Employer Identification Number:	636001644

ATTACHMENT A

Bidders are advised that Mobile County has entered joint purchasing agreements with the cities of Chickasaw, Citronelle, Creola, Prichard, Saraland, Satsuma, Semmes, the Town of Dauphin Island and the Town of Mount Vernon. Pursuant to such agreements, said municipalities may make purchases at the price (s) established as a result of this bid, during the period of time from October 1, 2022 through September 30, 2023. Each municipality will place its own orders and will be solely responsible for payment for such orders.

City of Chickasaw
Michelle Ross, City Clerk
224 North Craft Hwy
Chickasaw, Alabama 36611
(251) 452-6450
mross@cityofchickasaw.org

City of Citronelle
Lori Bryan, City Clerk – Purchasing Agent
19135 South Main Street
Citronelle, Alabama 36522
(251) 866-0134
Lori.bryan@cityofcitronelle.com

City of Creola
Marcy Brown, Administrative Assistant
PO Box 490
Creola AL 36525
(251) 340-2052
mbrown@cityofcreola.org

City of Prichard
Deloras Lucious, City Clerk
216 East Prichard Avenue
Prichard, Alabama 36610
(251) 452-7857
cityclerk@thecityofprichard.org

City of Saraland
Judy Smith, City Clerk
943 Saraland Boulevard South
Saraland Alabama 36571
(251) 675-5103 or (251) 375-5422
jsmith@saraland.org

City of Satsuma
James Elmore, Purchasing Agent
Post Office Box 517
Satsuma, Alabama 36572
(251) 377-9629
jelmore@cityofsatsuma.com

City of Semmes
Jason Franklin
3940 Illinois Street
Semmes, Alabama 36575
(251) 649-5752
jasonfranklin@cityofsemmesal.gov

Town of Mount Vernon
Jacqueline Niles
1565 Boyles Avenue
Mount Vernon, Alabama 36560
(251) 829-6633
Town-clerk1@mountvernonal.org

Town of Dauphin Island
James Stokes
1011 Bienville Boulevard
Dauphin Island, Alabama 36528
(251) 370-8995
jstokes@townofdauphinisland.org

EXHIBIT A
TO
ORDINANCE AND JOINT PURCHASING AGREEMENT

Herbicides
Traffic paint
Traffic signal cable
Crushed aggregate
Asphalt plant mix
Reinforced concrete arch pipe
Reinforced concrete circular pipe
P.E. Storm drain
Road base stabilization
Prepackaged concrete sacked rip rap
Coarse aggregate
Rip Rap
Wood fiber mulch
Wood fiber mulch/tackifier
Gabion stone
Erosion control materials
Portland cement concrete
Beaver dam removal/control
Tied concrete block erosion

Date: _____

BID # 108-22

**ANNUAL TIED-CONTROL BLOCK EROSION CONTROL MATERIAL BID FOR
MOBILE COUNTY PUBLIC WORKS DEPARTMENT:**

Name of Company: _____

Company Representative _____
(Print)

Company Representative _____
(Signature)

Address _____

Phone Number () _____ Fax Number () _____

Federal ID Number _____

Email Address _____

Company Web Address _____

Please attach a current W-9.

**ANNUAL BID FOR TIED-CONCRETE BLOCK EROSION CONTROL MAT
FOR MOBILE COUNTY ROAD AND BRIDGE
SPECIFICATIONS**

1. **GENERAL**

This specification covers the technical requirements for the Manufacturing and Quality Assurance of the Tied-Concrete Block Erosion Control System. All materials shall meet or exceed the requirements of this specification.

Tied-Concrete Block Erosion Control Mat shall be approved by Alabama Department of Transportation's Product Evaluation Board for use as a permanent ditch lining material.

PRICES ARE TO REMAIN FIRM FROM OCTOBER 1, 2022 THROUGH SEPTEMBER 30, 2023.

2. **SPECIFICATIONS**

2.1 **MATERIALS**

Each block shall be tapered, beveled and interlocked. Each block shall incorporate interlocking surfaces or connections that prevent lateral displacement of the blocks within the mats when they are lifted for placement.

Tied Concrete Blocks shall be wet-cast or dry-cast and conform to the following applicable ASTM specifications:

Portland Cements - Specification C 150, for Portland Cement.

Blended Cements - Specification C 595, for Blended Hydraulic Cements. Hydrated Lime Types - Specification C 207, for Hydrated Lime Types.

Pozzolans - Specification C 618, for Fly Ash and Raw or Calcined Natural Pozzolans for use in Portland Cement Concrete.

Aggregates shall conform to the following ASTM specification, except that grading requirements shall not necessarily apply:

Normal Weight – Specification C33, for Concrete Aggregates.

Physical Properties of Tied Concrete Blocks

The Tied-Concrete Block Mat shall have the following nominal characteristics:

Table 1. Physical Requirements					
Compressive Strength Net Area Min. PSI (mPa)		Water Absorption Max. , lb/ft3 (kg/m3)		POA (percentage open area)	
Avg. of 3 units 4,500 (31)	Individual unit 4,000 (27.6)	Avg. of 3 units 10 (160)	Individual unit 12 (192)	Avg. of 3 units 30%	Individual unit 30%

Durability: Tied Concrete Blocks shall exhibit resistance to mild concentrations of acids, alkalis and solvents. The manufacturer of dry-cast products shall satisfy the purchaser by proven field performance that the concrete blocks have adequate durability when subjected to a freeze-thaw environment.

Backing material shall be adhered to Tied Concrete Block Mat, and shall be double-net excelsior blanket (Curlex® II), or equal, to promote growth of vegetation, unless otherwise specified on the plans.

Tied-Concrete Block Erosion Control Mat shall be manufactured or field fabricated from integrally formed individual concrete blocks tied together with high strength geo grid or pre-approved cable system.

Polypropylene Geo grid:

The Tied-Concrete Block Mat shall be constructed of a high strength, rough service, low elongating, continuous filament polypropylene geo grid with an acrylic coating certified by the manufacturer to achieve 25-year minimum service life in direct sunlight. Interlocking geo grid shall have the following physical properties:

Mass/Unit Area ASTM D-5261 7.0 oz./yd² 240 g/m² **Aperture Size**

Measured 1.6 x 1.6 inch 40 x 40 mm **Wide Width Tensile Strength**

Machine Direction (MD) ASTM D-6637 2,055 lb./ft. 30 kN/m

Cross Machine Direction (CMD) ASTM D-6637 2,055 lb./ft. 30 kN/m

Elongation at Break ASTM D-6637 6 % 6 %

Tensile Strength @ 2%

Machine Direction (MD) ASTM D-6637 822 lb./ft. 12 kN/m

Cross Machine Direction (CMD) ASTM D-6637 822 lb./ft. 12 kN/m

Tensile Strength @ 5%

Machine Direction (MD) ASTM D-6637 1,640 lb./ft. 24 kN/m

Cross Machine Direction (CMD) ASTM D-6637 1,640 lb./ft. 24 kN/m

Tensile Modulus @ 2%

Machine Direction (MD) ASTM D-6637 41,100 lb./ft. 600 kN/m

Cross Machine Direction (CMD) ASTM D-6637 41,100 lb./ft. 600 kN/m

Tensile Modulus @ 5%

Machine Direction (MD) ASTM D-6637 32,900 lb./ft. 480 kN/m Cross Machine Direction

(CMD) ASTM D-6637 32,900 lb./ft. 480 kN/m

NOTE: Polypropylene geogrid shall be determined by the manufacturer.

Revetment Cable and Fittings:

Galvanized or other metal cables are not allowed.

Polyester Revetment Cable and Fittings. 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% of the total weight of the cable. The revetment cable shall have the following physical properties:

Nominal Cable Dia.	Approx. Ave. Strength		(Lbs)/100ft	(kg/m)
	(Lbs)	(kN)		
(in.)				
1/4	3,000	13.3	2.2	0.03
5/16	7,000	31.1	4.4	0.07
3/8	10,000	44.5	5.5	0.08
1/2	15,000	66.7	9.7	0.14

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% of the cable's approximate average breaking strength. Relevant elongation values are as shown in the table below. The tolerance on these values is $\pm 5\%$.

at Percentage of Break Strength		
10%	20%	30%
0.6	1.4	2.2

The revetment cable shall exhibit resistance to most concentrated acids, alkalis and solvents. Cable shall be impervious to rot, mildew and degradation associated with marine organisms. The materials used in the construction of the cable shall not be affected by continuous immersion in fresh or salt water.

Selection of cable and fittings shall be made in a manner that insures a safe design factor for mats being lifted from both ends, thereby forming a catenary. Consideration shall be taken for the bending of the cables around hooks or pins during lifting. Revetment cable splicing fittings shall be selected so that the resultant splice shall provide a minimum of 60% of the minimum rated cable strength. Fittings such as sleeves and stops shall be aluminum and washers shall be galvanized steel unless otherwise shown on the Contract Drawings.

Filter Fabric:

The geotextile filter fabric, when required, shall meet the type and style shown on the plans.

2.2 PERFORMANCE

Hydraulic Performance

Tied-Concrete Block Erosion Control Mat shall conform to the following Hydraulic Performance table minimum values.

Table 4. Hydraulic Performance (min)	
Velocity (ft./sec)	19*
Shear Stress (lb./ft ²)	24*

*when subject to Large-Scale Channel Erosion Testing over non-vegetated USCS Soil Classification – Silty Sand (SM) in accordance with ASTM D6460 (modified) @ 30% slope.

2.3 MATERIAL CONDITION

All units shall be free of defects that would interfere with the proper placing of the unit or impair the strength and permanence of the overall system.

Surface cracks incidental to the normal manufacture of concrete shall not be deemed grounds for rejection. Surface chipping resulting from customary methods of manufacture, shipping, handling and installation shall not be grounds for rejection.

Cracks exceeding 0.25 inches in width and/or 1.0 inch in depth shall be deemed grounds for rejection and unit replacement.

Chipping resulting in a weight loss exceeding 15% of the average weight of a concrete unit shall be deemed grounds for rejection and unit replacement.

Rolls/Units rejected prior to delivery acceptance shall be replaced at the manufacturer’s expense. Blocks rejected at the job site which are discovered at time of unrolling shall be replaced at manufacturer’s expense. Blocks damaged following QC/QA acceptance of covered area shall be replaced at contractor/owners expense.

3. PAYMENT

Payment will be made on a monthly basis. Invoices shall be submitted to Mobile County Road and Bridge Department, 7511 Howell’s Ferry Road, Mobile, AL 36618.

A separate invoice will be submitted for each type of material supplied to the County. Each invoice shall indicate the inclusive dates of the period covered by the invoice and shall include the following attachments:

- (a.) Signed dray tickets for each load of material supplied, arranged in chronological order.
- (b.) Certification letter from Alabama Department of Transportation’s Product Evaluation Board for use as a permanent ditch lining material.

4. **RESPONSIBLE PARTY AS REPRESENTATIVE OF SUPPLIER**

Upon notice of award, each supplier shall provide written notice to the County Engineer of the responsible party and at least one alternate as the person to contact for placement of orders and for settlement of disputes.

5. **BID**

Tied-Concrete Block Erosion Control Mat*, FOB Mobile, AL \$_____ Sq. Ft.

*Minimum order 200 Square feet. Dimensions of mat rolls will be offered in optional widths. Widths of no less than 5 feet and more than 10 feet.

Company Name (print or type)

Representative Name

Representative Signature