

Date: March 3, 2026

To: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

Agenda Item No. 8(P)(11)

From: Daniella Levine Cava
Mayor



Subject: Recommendation for Approval of a Non-competitive Designated Purchase of Flood Barriers

Summary

This item is for the purchase of flood barriers with storage containers for the Miami-Dade Fire Rescue Department (MDFR). The flood barriers are necessary to mitigate risks such as structural damage, interruption of operations, and impacts on the quality of service delivery during flood emergencies resulting from sea level rise, high tides, rainfall, and storm surges. Miami-Dade County is highly vulnerable to sea level rise and flooding. According to the Federal Emergency Management Agency's National Risk Index, Miami-Dade County's vulnerability score is higher than 99.9% of counties in the United States and is the highest in Florida. Miami-Dade County is ranked extremely high for increased risk for coastal flooding, riverine flooding, and flooding resulting from hurricanes and severe tropical storms. The flood barriers are critical due to vulnerable impacts from sea level rise and storm surge inundation and have been successfully utilized during heavy rain and emergency events to combat local flooding at fire stations and maintain MDFR's ability to respond to emergency calls. Approval of a non-competitive purchase is requested due to the proprietary nature of the Tiger Dam flood barrier system.

Recommendation

It is recommended that the Board of County Commissioners (Board) approve this request for a non-competitive designated purchase pursuant to Section 2-8.1(b)(3) of the Miami-Dade County Code (Code), by a two-thirds vote of the Board members present, and award *Contract No. SS-10597, Flood Barriers*, to U.S. Flood Control Corp. (U.S. Flood) in the amount of \$572,670 for a one time purchase for MDFR.

Background

The contract provides for a Tiger Dam flood barrier system, which is a patented product with proprietary technology that is exclusively owned by U.S. Flood. The Tiger Dam flood barrier system is the only inflatable flood fighting product that links seamlessly and is stackable for efficient storage. Market research conducted by MDFR concluded that alternative flood barrier models would pose more challenges. Most competing products utilize aluminum panels that require bracing and anchoring into solid surfaces such as concrete or asphalt. These requirements are incompatible with MDFR's operational environment, as many fire stations lack continuous hard surfaces and much of the surrounding ground is grass. Additionally, the volume of panels that would be required cannot be stored at the stations or at the MDFR headquarters shipping and receiving warehouse. Mobilization presents another challenge. Eight fire stations located in coastal flood prone areas have been identified as needing flood barriers. These stations are dispersed over a 25-mile area.

MDFR has deployed these specific flood barriers to combat local flooding that could impact fire rescue stations and the personnel assigned to the stations, as well as to maintain its ability to respond to emergency calls. For example, in June 2024, flood barriers were deployed at MDFR Fire Station 76 in Bal Harbor Islands when there was significant rainfall during a nameless weather event. The flood barriers were utilized to block water from entering truck stalls and the fire rescue station. This enabled MDFR to maintain personnel at this station to provide area coverage. The flood barriers were also deployed in September and October 2024 for Hurricanes Helene and Milton, respectively.

The barriers to competition cannot be mitigated at this time, as no other company manufactures a comparable flood barrier and alternative flood barriers would pose more challenges than benefits. US Flood is the sole authorized seller of Tiger Dam products. An advanced notice to waive competition was posted on the County’s website, and no responses were received. The availability and feasibility for competition will be monitored to ensure the need for future designated purchases is reduced or eliminated as soon as practicable. Accordingly, it is in the County’s best interest to award this designated purchase pursuant to Section 2-8.1(b)(3) of the Code to purchase flood barriers.

Scope

The scope of this item is countywide in nature.

Fiscal Impact/Funding Source

The fiscal impact of this one time purchase is \$572,670.

Department	Allocation	Funding Source	Budgeted*	Contract Manager
MDFR	\$572,670	Fire District / Federal Funds	FY25-26 Proposed Budget, Volume 2, Fire Rescue, Page 71	Jose Paez
Total	\$572,670			

*The Adopted Budget Book was not finalized at the time this item was drafted. Therefore, the budget information above is based on the Proposed Budget Book.

Track Record/Monitor

Manuel Jimenez of the Strategic Procurement Department (SPD) is the Procurement Contracting Manager.

Delegated Authority

If this item is approved, the County Mayor or County Mayor’s designee will have the authority to exercise all provisions of the contract, including any cancellation, pursuant to Section 2-8.1 of the Code and Implementing Order 3-38.

Vendor Recommended for Award

Pursuant to Resolution No. R-477-18, the recommended vendor is the proprietary owner and sole provided of the Tiger Dam flood barrier system and is not a local vendor.

Vendor	Principal Address	Local Address	Number of Employee Residents	Principal
			1) Miami-Dade 2) Percentage*	
U.S. Flood Control Corp.	7901 4 th Street N Ste 300 St. Petersburg, FL	None	3	Paul Vickers
			15%	

*Provided pursuant to Resolution No. R-1011-15. Percentage of employee residents is the percentage of vendor’s employees who reside in Miami-Dade County as compared to the vendor’s total workforce.

Due Diligence

Pursuant to Resolution No. R-187-12, due diligence was conducted in accordance with SPD’s Procurement Guidelines to determine contractor responsibility, including verifying corporate status and that there are no performance or compliance issues through various vendor responsibility lists and a keyword internet search. The lists that were referenced included convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to contractor responsibility.

Pursuant to Resolution No. R-252-25, efforts were made to identify any potential piggybacking opportunities prior to considering a non-competitive acquisition. There were no competitive contracts identified.

Applicability of Ordinances and Contract Measures

- The two percent User Access Program provision applies where permitted by the funding source.
- The Small Business Enterprise measures and Local Preference do not apply.
- The Living Wage Ordinance does not apply.



Arnold Palmer
Chief of Public Safety

Memorandum



Date: January 20, 2026
To: Honorable Chairman Anthony Rodriguez
Board of County Commissioners
From: Namita Uppal, C.P.M.
Director and Chief Procurement Officer
Strategic Procurement Department
Subject: Request to Process Late Departmental Agenda Item

Digitally signed by Namita Uppal
DN: cn=Namita Uppal,
o=Miami Dade County,
ou=Chief Procurement Officer,
email=uppal@miamidadecounty.gov,
c=US
Date: 2026.01.14 17:35:00
-05'00'

I am requesting that the item below be processed for agenda placement on the February Committee Cycle:

RESOLUTION AUTHORIZING A NON-COMPETITIVE DESIGNATED PURCHASE PURSUANT TO SECTION 2-8.1(B)(3) OF THE COUNTY CODE, BY A TWO-THIRDS VOTE OF THE BOARD MEMBERS PRESENT, AND AWARD CONTRACT NO. SS-10597, FLOOD BARRIERS, TO U.S. FLOOD CONTROL CORP. IN THE AMOUNT OF \$572,670.00 FOR MIAMI-DADE FIRE RESCUE DEPARTMENT; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXERCISE ALL PROVISIONS OF THE CONTRACT, INCLUDING ANY CANCELLATION, PURSUANT TO SECTION 2-8.1 OF THE CODE OF MIAMI-DADE COUNTY, FLORIDA AND IMPLEMENTING ORDER 3-38

Although this item has not met the noticed deadline and has been provided to the Agenda Coordination Office late, it is time-sensitive and critical for the Miami-Dade Fire Rescue Department (MDFR) to proceed with the purchase of flood barrier systems for all exterior sides of eight fire stations that is partially funded by federal grant funds. These flood barriers are necessary to mitigate risks associated with sea level rise, high tides, heavy rainfall, and storm surge, including structural damage, operational interruptions, and impacts to emergency response capabilities during flood events. Pursuant to the grant agreement, the project must be fully completed by June 30, 2026. The vendor requires a minimum of 70 days for fabrication and delivery. Therefore, placement of this item on the February Committee agenda will provide the necessary lead time to order and receive the flood barriers to meet the grant deadline. Expeditious approval is therefore necessary to avoid the loss of these federal funds and to ensure protection of critical public safety infrastructure.

Therefore, please process the item notwithstanding that the 3-day rule may be applicable to it. I am aware that this item is subject to approval for placement on the agenda by the appropriate committee chairperson as well as the BCC Chairman, and review by the Office of the County Attorney.

Chief Arnold Palmer

Approved by Mayor or Mayor's Designee

Print Name

Demetria Henderson

Approved by Legislative Director or Designee

Print Name

c: Geri Bonzon-Keenan, County Attorney
CAOagenda@miamidadecounty.gov
Eugene Love, Agenda Coordinator

MDC004



MEMORANDUM
(Revised)

TO: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

DATE: March 3, 2026

FROM: 
Gen Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(P)(11)

Please note any items checked.

- “3-Day Rule” for committees applicable if raised**
- 6 weeks required between first reading and public hearing**
- 4 weeks notification to municipal officials required prior to public hearing**
- Decreases revenues or increases expenditures without balancing budget**
- Budget required**
- Statement of fiscal impact required**
- Statement of social equity required**
- Ordinance creating a new board requires detailed County Mayor’s report for public hearing**
- No committee review**
- Applicable legislation requires more than a majority vote (i.e., 2/3’s present , 2/3 membership ____, 3/5’s ____, unanimous ____, majority plus one ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3) (h) or (4)(c) ____, CDMP 9 vote requirement per 2-116.1(4)(c) (2) ____) to approve**
- Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(P)(11)
3-3-26

RESOLUTION NO. _____

RESOLUTION AUTHORIZING A NON-COMPETITIVE DESIGNATED PURCHASE PURSUANT TO SECTION 2-8.1(B)(3) OF THE COUNTY CODE, BY A TWO-THIRDS VOTE OF THE BOARD MEMBERS PRESENT, AND AWARD CONTRACT NO. SS-10597, FLOOD BARRIERS, TO U.S. FLOOD CONTROL CORP. IN THE AMOUNT OF \$572,670.00 FOR MIAMI-DADE FIRE RESCUE DEPARTMENT; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXERCISE ALL PROVISIONS OF THE CONTRACT, INCLUDING ANY CANCELLATION, PURSUANT TO SECTION 2-8.1 OF THE CODE OF MIAMI-DADE COUNTY, FLORIDA AND IMPLEMENTING ORDER 3-38

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that:

Section 1. This Board finds it is in the best interest of Miami-Dade County to authorize a non-competitive designated purchase pursuant to Section 2-8.1(b)(3) of the County Code, by a two-thirds vote of the Board members present, and award Contract No. SS-10597, Flood Barriers, in substantially the form attached and made a part hereof, to U.S. Flood Control Corp. in the amount of \$572,670.00 for Miami Dade Fire Rescue Department.

Section 2. This Board authorizes the County Mayor or County Mayor's designee to exercise all provisions of the contract, including any cancellation, pursuant to section 2-8.1 of the Code of Miami-Dade County, Florida and Implementing Order 3-38.

The foregoing resolution was offered by Commissioner _____,
who moved its adoption. The motion was seconded by Commissioner _____
and upon being put to a vote, the vote was as follows:

Anthony Rodriguez, Chairman	
Kionne L. McGhee, Vice Chairman	
Marleine Bastien	Juan Carlos Bermudez
Sen. René García	Oliver G. Gilbert, III
Roberto J. Gonzalez	Keon Hardemon
Danielle Cohen Higgins	Vicki L. Lopez
Natalie Milian Orbis	Raquel A. Regalado
Micky Steinberg	

The Chairperson thereupon declared this resolution duly passed and adopted this 3rd day of March, 2026. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

JUAN FERNANDEZ-BARQUIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

BED

Brianna E. Donet

Sole Source No. SS-10597, Purchase of Flood Barriers for the Miami Dade Fire Rescue Department (MDFR)

GENERAL TERMS AND CONDITIONS

Section 1, General Terms and Conditions of Miami-Dade County (County) shall apply to all resultant purchase order(s) from this Sole Source Contract, which are non-negotiable. This Section is available on demand on the County's Strategic Procurement Department's (SPD) webpage:

<https://www.miamidade.gov/procurement/library/boilerplate/general-terms-and-conditions-r25-1.pdf>

ADDITIONAL TERMS AND SCOPE OF SERVICES

1. PURPOSE

The County, through, Miami Dade Fire Rescue Department (MDFR), is contracting with U.S. Flood Control Corp. (Contractor), to purchase flood barriers for MDFR Fire Stations No. 8, 10, 15, 39, 42, 49, 73, and 76 which were identified in the County's vulnerability assessment as located in flood prone areas. This project is necessary to mitigate flood risks such as structural damages, interruption of operations, and reduction of the quality of services provided during flood emergencies resulting from sea level rise, high tides, rainfall, and storm surges. Miami Dade County is highly vulnerable to sea level rise and flooding.

2. TERM

The Contract shall commence on the first calendar day of the month succeeding approval by the Board of County Commissioners, or designee, unless otherwise stipulated in writing by the County and shall remain in effect until the goods and services purchased in conjunction with the Contract are delivered and accepted by a County authorized representative.

3. INSURANCE REQUIREMENTS

The insurance requirements listed under Section 1.22 of the General Terms and Conditions, Paragraph A; Items 1, 2 & 3 is **Deleted** in its entirety, and **Replaced** with following requirement, as follows:

The Awarded Bidder shall furnish to the Vendor Outreach and Support Services Section, 111 NW 1st Street, Suite 1300, Miami Florida 33128, Certificate(s) of Insurance which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

1. Worker's Compensation Insurance for all employees of the Contractor as required by Florida Statute 440.
2. Commercial General Liability Insurance in an amount not less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate, not to exclude Products and Completed Operations. **Miami-Dade County must be shown as an additional insured with respect to this coverage.**
3. Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.

4. FURNISH AND SET IN PLACE

The Contractor shall (1) provide on-site training regarding the deployment, maintenance and storage of flood barriers around all designated exterior sides of MDFR Fire Station No. 15 located at 2 Crandon Blvd., Key Biscayne, Florida 33149, and (2) deliver the items awarded in this Sole Source Contract to the facilities designated by the County in its purchase order(s).

5. SCOPE OF SERVICES

The Contractor shall be responsible for providing deployable flood barriers and associated services for designated MDFR fire stations. The work shall include, but is not limited to:

a) **Site Assessments and Recommendations**

- o Conduct site-specific evaluations of each identified fire station to determine the appropriate type, quantity, and placement of flood barriers.
- o Coordinate with MDFR and County representatives to finalize deployment plans.



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b) **Supply of Flood Barrier Systems**

- o Provide durable, reusable, and quickly deployable flood barrier systems.
- o Barriers must be rated for protection against sea level rise, storm surge, and flash flooding.
- o All materials shall meet applicable industry standards for flood protection and durability.

c) **Training and Manuals**

- o Provide on-site training to MDFR staff on the proper deployment, maintenance, and storage of the flood barriers.
- o Deliver written operational manuals and instructional videos, where available.

d) **Warranty and Support**

- o Include manufacturer's warranty and technical support for a minimum of one (1) year.
- o Provide options for extended warranties and maintenance agreements.

e) **Delivery and Logistics**

- o Coordinate delivery schedules with MDFR.
- o Ensure all equipment is packaged, labeled, and delivered to designated stations or centralized logistics centers

6. PRICE

The Contractor's unit price shall be inclusive of all costs, transportation, labor, equipment, materials, delivery, installation, and fees involved in providing the specified flood barriers and services as described in the Scope of Services (Paragraph 5, above), as indicated below, in accordance with all applicable terms and conditions of this Contract. Miami-Dade County is exempt from all taxes (Federal, State and Local). Tax Exemption Certificate will be furnished upon request.

Line-Item No.	Quantity	Description	Unit Price	Extended Price
1	180	24" x 50ft Tiger Dams	\$2,350.00	\$423,000.00
2	540	24' Straps for 24" Dams	\$40.00	\$21,600.00
3	12	Fill Attachment	\$145.00	\$1,740.00
4	12	Ball Valve	\$120.00	\$1,440.00
5	12	Attachment Stand	\$160.00	\$1,920.00
6	6	Siamese Spitter Connection	\$120.00	\$720.00
7	6	Hydrant Connection with Ball Valve	\$140.00	\$840.00
8	6	Hydrant Wrench	\$50.00	\$300.00
9	30	50ft Double Mill Discharge Hose with Cam Locks	\$125.00	\$3,750.00
10	8	3" Pump – Honda Transfer	\$985.00	\$7,880.00
11	12	10ft Suction Hose	\$105.00	\$1,260.00
12	6	Strainer	\$17.00	\$102.00
13	13	Sump Pump (Automatic)	\$1,150.00	\$14,950.00
14	3	Tiger Winder Kit	\$295.00	\$885.00
15	3	Valve Tool	\$200.00	\$600.00
16	10	Patch Kit	\$90.00	\$900.00
17	288	Chocks	\$10.00	\$2,880.00
18	200	Asphalt Anchor	\$25.00	\$5,000.00
19	442	Concrete Anchor	\$45.00	\$19,890.00
20	321	Earth Anchor (2.5ft)	\$25.00	\$8,025.00
21	117	Earth Anchor (4ft)	\$40.00	\$4,680.00
22	4	Anchor Drill – Concrete – Battery	\$910.00	\$3,640.00
23	4	Anchor Driver – Earth – Battery	\$910.00	\$3,640.00
24	4	Anchor Adaptor w/Pin	\$52.00	\$208.00
25	3	Honda Generator 5000	\$2,340.00	\$7,020.00
26	1	Training	\$2,500.00	\$2,500.00
27	4	20ft Container – Storage	\$5,855.0	\$23,420.00



Line-Item No.	Quantity	Description	Unit Price	Extended Price
28	13	Plastic Crate – 50"	\$760.00	\$9,880.00
			TOTAL:	\$572,670.00

ACKNOWLEDGEMENT

It is hereby certified and affirmed that the Contractor shall accept the terms of this Sole Source Contract and the resultant purchase order(s). The Contractor further agrees that price quote remains in effect until the delivery of the unit, warranty period.

Company Name: U.S. Flood Control

F.E.I.N. No.: 68-0549696

Authorized Representative's Name: Kirsten King

Title: Business Manager

Signature: *Kirsten King*

Date: 9/29/2025

_ Phone: 403-618-1008

Email Address:
kirsten@usfloodcontrol.com