



Board of Directors Meeting

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June 30, 2022

10:00 a.m.

Agenda

Board Members

Hon. Frederic Smalkin
Chair

Robert L. Witt, II
Secretary

Hon. Robert R. Neall
Treasurer

Dereck Davis
State Treasurer

Shelley L. Heller
Chair, Audit Committee

Marian C. Hwang, Esq.
Chair, HR Committee

Hiram Tanner, Jr., P.E.

Charles C. Glass Ph.D.,
P.E.
Executive Director

Call to Order	Frederic Smalkin
Inspire Awards	Managing Directors
Approval of Minutes – May 26, 2022	Frederic Smalkin
Executive Director’s Report <ul style="list-style-type: none">Strategic Plan FY2023-2027	Charles Glass
Agency Activity Report	Managing Directors
Financial Report	Hament Patel
Human Resources Report	Steven King
HR Committee Report	Marian Hwang
Group Update: Administration	Steven King
Procurement <ul style="list-style-type: none">Procurement Items<ul style="list-style-type: none">Item 1: Harford Waste Disposal Center, Carter Machinery-compact rebuildItem 2: Freedom WWTP, Padlands-biosolids transport & placementItem 3: Cox Creek Expanded, A.D. Marble – nature trail engineeringItem 4: Montgomery Co Composting, Ecoverse Ind. – shredderItem 5: Brown Station Landfill-County Correction Center, Curtis Power, Landfill Gas Power Plant O&MItem 6: MDOT SHA – stormwater management, Brawner BuildersItem 7: Back River WWTP - Hills Industrial, purchase pumpsItem 8: Woodstock WWTP – HRI Construction/M2, repair tanksItem 9: ECI WWTP – HRI Construction/M2 Construction, sludge facility upgradeItem 10: Cox Creek DMCF – National Auto Fleet, water truckNotifications	Hattie Crosby
Legal Report	Sean Coleman

New/Old Business

Frederic Smalkin

CLOSED SESSION

- Approval of Minutes – May 26, 2022 Closed session
- Deputy Director and Executive Director Salary recommendations

Adjournment

Frederic Smalkin

Approval after Solicitation
PROCUREMENTS, CONTRACTS, PURCHASE ORDERS,
AMENDMENTS AND CHANGE ORDERS
FOR
BOARD OF DIRECTOR’S APPROVAL

June 30, 2022

Item: 1

Type: Services over \$250,000

Group & Division: Environmental Operations – Solid Waste

MES Contract Number: To be assigned

Project Name: Harford Waste Disposal Center (HWDC) CAT Compactor Powertrain Rebuild

Title/Description: CAT/Carter Machinery will rebuild the sole compactor at the HWDC operation

Procurement Method: Sole Source – Original Equipment Manufacturer Requirement

Bids/Proposals: Carter Machinery – Sole Source

Awarded To: Carter Machinery

Amount: \$407,664.81

Term: 4 Months

Client/Fund Source: Harford County Government – FY2023 IGA

MBE Goal: 0%

Remarks: The Harford Waste Disposal Center (HWDC) operation, operated by MES, has one (1) compactor, a 2005 CAT 826H model, for solid waste landfilling at the facility. The facility only accepts self-delivered residential waste and therefore the volume is low in comparison with commercial operations. However, a compactor is required for proper solid waste management techniques to achieve optimal compaction. The economically efficient approach is to rebuild the current compactor, extending its life 10-15 years. Carter Machinery (CAT) is the sole provider of rebuilds for their equipment.



Change Order approval
PROCUREMENTS, CONTRACTS PURCHASE ORDERS,
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FOR
BOARD OF DIRECTOR'S APPROVAL

June 30, 2022

Item: 2

Type: Services over \$200,000

Group & Division Water/Wastewater Group, Engineering Services Division

MES Contract Number: 1-21-2-35-5

Project Name: Beneficial Reuse Services for Dewatered, Lime Stabilized Biosolids, Freedom District WWTP

Title/Description: Trucking and land application services for Freedom's biosolids

Original Procurement Method: Competitive Sealed Bid

Contractor: Padlands LLC

Original Term: One Base Year

Modified Term: First option year (Second year of contract)

Original Amount: \$ 146,625

Modifications to Date: \$ 0

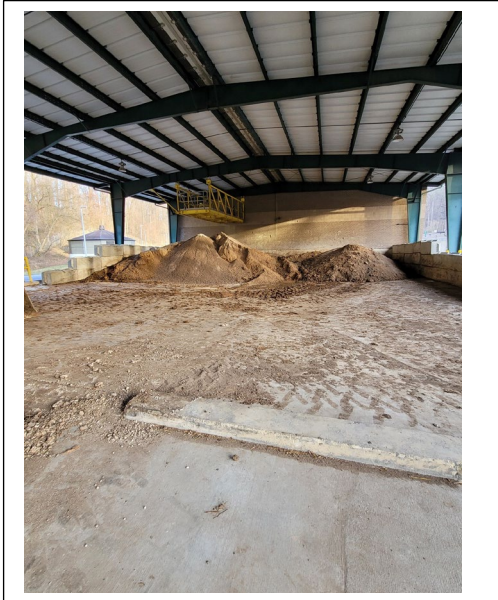
Amount of this Renewal #1: \$ 148,125

Revised Total Contract Amount: \$ 294,750

Client/Fund Source: Carroll County/ State of Maryland - Freedom District WWTP, Project No: 2248-1300.

MBE Participation: 10%

Remarks: This change order is for the first option year contract renewal (second year of contract) for the hauling and beneficial reuse of dewatered, lime stabilized biosolids from the Freedom District WWTP. In the agreement the Contractor, Padland's LLC, hauls and land applies the dewatered, lime stabilized biosolids on permitted agricultural land in Virginia using the subcontracted MBE certified firm Recyc Systems Inc.



**BIOSOLIDS AT FREEDOM
WAITING TO BE LOADED ONTO
CONTRACTOR'S TRUCKS**



**LAND APPLICATION OF TREATED
BIOSOLIDS AT FARM IN VIRGINIA**

Change Order approval
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June 30, 2022

Item: 3

Type: A/E Services: over \$200,000

Group & Division: Environmental Dredging and Restoration

MES Contract Number: 1-21-3-91-3

Project Name: Cox Creek Expanded (CCE) Stage I Subtask 6.2 - Community Enhancement: On-site Trail Design Support Phase II

Title/Description: Swan Creek Nature Trail – Final Design Engineering

Original Procurement Method: A/E shortlist

Contractor: A.D. Marble

Original Term: July 2021 to June 2022

Modified Term: Through June 2023

Original Amount: \$249,348.89 (BOD Item 2, May 27, 2021)

Modifications to Date: N/A

Amount of this Change Order #1: \$184,940.72

Revised Total Contract Amount: \$434,289.61

Client/Fund Source: MOU between MES and the Maryland Department of Transportation Maryland Port Administration – Cox Creek Expanded Demolition and Construction MES Contract No. 15-03-38


MBE Participation: Approximately 24% (Approved by MES Procurement)

Remarks: A.D. Marble has provided design support to MES for the Swan Creek Nature Trail. This change order will allow A.D. Marble to support the trail efforts to final design. In addition to the trail the design will include classroom areas and signage.

Trail Alignment: 30% Design



Example Draft Interpretive Sign



AMPHIBIANS & REPTILES

Healthy Wetlands do Wonders

Wetlands provide aquatic (water) environments to support amphibians and reptiles. These species are attracted to wetland habitats, such as, vernal (springtime) pools, freshwater marshes, and tidally influenced coastal wetlands for breeding, rearing, and foraging during critical stages of their development. For example, amphibians lay gelatinous eggs and develop in larval form (for example, tadpoles) in shallow pools prior to entering terrestrial adult stages. Reptiles, such as snapping turtles and northern water snakes are capable swimmers, using the wetlands and marshes for breeding and feeding, as well as protection from predators. The restoration and protection of the Swan Creek ecosystem is, thus, of critical importance to maintaining the diversity of amphibians and reptiles along the Patapsco River coastal zone.


Early springtime, typically at dusk, offers a perfect time to hear the chorus of male frogs in their attempts to attract mates. Can you identify these frogs from their songs?

NORTHERN SPRING PEPPER
Listen for "poKKP... poKKP... poKKP"


AMERICAN BULLFROG
Deep notes sounding like rum...rum...rum, or a stuttering ruc-is-ummm... ruc-is-ummm.

NORTHERN CRICKET FROG
This frog's song sounds like rocks tapped together.


AMERICAN TOAD
Listen for a 15-30 second high-pitched trill.




NORTHERN WATER SNAKE
A predator




FROG EGGS



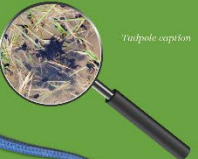
PAINTED TURTLE




1113 ACRES OF RESTORED WETLAND



FIVE-LINED SKINK
Capitan



Tadpole capitan



SWAN CREEK NATURE TRAILS

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Item: 4

Type: Equipment Purchase over \$200,000

Group & Division Environmental Operations

MES Contract Number: TBD

Project Name: Montgomery County Yard Trim Composting Facility

Title/Description: Doppstadt Inventhor T-9 Slow Speed Shredder

Procurement Method: Cooperative Purchasing Contract
H-GAC Cooperative Agreement 20-00900

Bids/Proposals: Ecovase Industries, Ltd. (via H-GAC): \$1,075,000.00

Awarded To: Ecovase Industries, Ltd.

Amount: \$1,075,000.00

Term: 3 months from PO issuance

Client/Fund Source: Montgomery County Yard Trim Composting Facility: 2554-1204

MBE Goal: N/A

Remarks: This unit is required to provide yard trim processing capability in the grinding operations at the Derwood Transfer Station. This unit is one of the items listed in the FY22 budget. The client directed MES to procure this specific make and model of equipment.



Dopstadt Inventhor T-9 Low Speed Shredder

Change Order approval
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June 30, 2022

Item: 5

Type: Services over \$200,000

Group & Division: Environmental Operations

MES Contract Number: 1-22-4-32-2

Project Name: Brown Station Landfill Gas (LFG) Power Plant Operations and Maintenance (O&M) FY23

Title/Description: Operations and maintenance at the Brown Station Road Sanitary Landfill (BSRSL) and County Correction Center (CCC) LFG fueled power plants in Prince George's County, Maryland.

Original Procurement Method: Sole Source

Contractor: Curtis Power Solutions, LLC

Original Term: November 19, 2021 to June 30, 2022.

Modified Term: July 1, 2022 to June 30, 2023

Original Amount: \$1,362,800.00, (BOD Agenda Item 1, 7/15/21)

Modifications to Date: NA

Amount of this Change Order #1: \$1,273,080.00

Revised Total Contract Amount: \$2,635,880.00

Client/Fund Source: 3838-0000 PG Co/IGA 2-21-4-53

MBE Participation: Goal is 10.3%. MBE participation to date is 0%. The MBE work started in May 2022 and is currently in progress and shall be completed in June 2022. MBE invoices for this work are expected as part of the June 2022 invoice.

Remarks: The BSRSL and CCC are located in Upper Marlboro, Prince George's County, Maryland. The BSRSL incorporates LFG collection and control systems. This system directs LFG to three



(3) on-site compressors where it is compressed, dehydrated, and filtered. The treated LFG is routed on-site to four (4) Waukesha electrical generator sets and off-site to three (3) Waukesha electrical generator sets at the CCC. The BSRSL generator sets provide power to the site for all landfill operations. The CCC generator sets provide power to the modular design maximum security detention center. Curtis Power Solutions has worked with the County to maintain this plant for a significant period of time.



The pipeline connecting the BSRSL plant to the CCC plant is currently being replaced with an expected completion date to be determined by the County. As a result, the plant is currently not in full operation and will remain in this status until the pipeline project is completed. This O&M contract is for limited operations, routine and corrective maintenance, and capital improvements to essential equipment involving the LFG compressors and LFG fueled generator sets for Fiscal Year 2023 as requested by the County. Following completion of tasks are slated for Fiscal Year 2023 under this contract, and when the plants return to full operational activity, the County intends to have MES advertise complete O&M services.

The County informed MES in May 2022 that their pipeline replacement project is on hold. The pipeline delay directly impacts the contract with MES and Curtis Power Solutions. The County has requested that MES extend the contract for limited operations and essential maintenance and capital improvements to the equipment at BSRSL and CCC into Fiscal Year 2023.



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Item: 6

Type: Construction over \$200,000

Group & Division Technical & Environmental Services (TES)

Contract Number: 1-21-3-46-6

Project Name: Stormwater Management and Remediation

Title/Description: Amendment to Brawner Builders Inc Assisted 1-21-3-46-6 for activities related to drainage and stormwater remediation and construction as well as restoration projects involving landscaping for MDOT Transportation Business Units (TBUs)

Original Procurement Method: Assisted Contract (MDTA MR-3017)

Contractor: Brawner Builders, Inc.

Original Term: 1 year to December 31, 2021

Modified Term No. 1: 12 months additional to December 31, 2022

Modified Term No. 2: 12 months additional to December 31, 2023

Original Amount: \$2,000,000.00 (BOD Item 3, November 19, 2020)

Amount of this Change Order #1: \$2,500,000.00

Revised Total Contract Amount: \$4,500,000.00

Fund Source: MDOT SHA District 3: 3767-0000 - \$2,500,000
MDOT MDTA: 3695-0000 - \$1,000,000

MBE Participation: 9% (VSBE 1%) in line with the original IFB & Contract

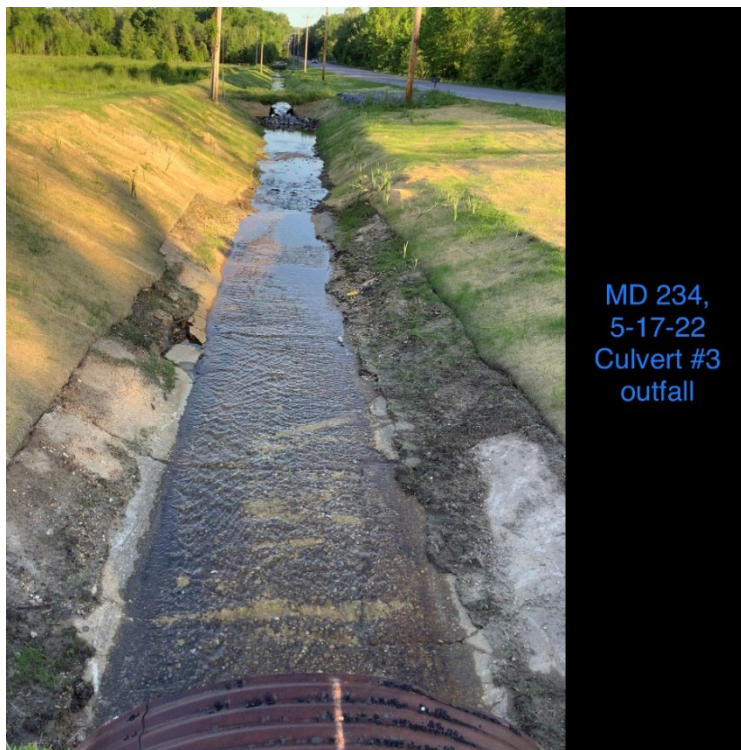
Remarks: MDOT SHA and MDTA have requested subcontractor support for the significantly increased number of stormwater management structures which require remediation, modification and construction throughout the Central Region of Maryland. Brawner will provide stormwater management services to assist MES with continual

support to our clients. The MBE goal for this contract will be 9%. MES project managers will work with Brawner on each site to incorporate MBE vendors where and when possible.

Picture 1: MD 234 Budds Creek: Regrade/establish drainage ditch for SHA (Pre-construction)



Picture 2: MD 234 Budds Creek – Post Construction of the above drainage ditch



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Item: 7

Type: Equipment Purchase over \$200,000

Group & Division: Water Wastewater (W/WW) Group, W/WW Operations Division

MES Contract Number: PO # 40659

Project Name: Back River Wastewater Treatment Plant

Title/Description: Purchase of Four Yeomans Pumps - Series 6000 -- Model 4315 SC

Procurement Method: Emergency Procurement

Bids/Proposals: Hill's Industrial - \$359,883.80

Awarded To: Hill's Industrial

Amount: \$359,883.80

Term: 26-28 week delivery

Client/Fund Source: Baltimore City Department of Public Works - 4009-1200

MBE Goal: N/A



Remarks: Emergency replacement of four waste activated sludge pumps due to one being out of service and the other three being in extremely poor condition. Ordered June 16, 2022 with a 26-28 week delivery time.

BACK RIVER WWTP

ACTIVATED 2 - SLUDGE PUMPING STATION 2 - WASTE ACTIVATED SLUDGE PUMPS
Yeomans Pump s - Series 6000 – Model4315 Replacement



Change Order Approval
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Item: 8

Type: Construction over \$200,000

Group & Division W/WW Engineering Division

MES Contract Number: 1-21-2-01-5

Project Name: Woodstock Job Corp Center WWTP Upgrade

Title/Description: To repair 50+ year old tanks which leak

Original Procurement Method: Competitive sealed bid

Contractor: HRI Construction LLC/M2 Construction LLC

Original Term: 425 Days from Notice to Proceed (3/8/2021)

Modified Term: 465 Days from Notice to Proceed (3/8/2021)

Original Amount: \$8,184,300 (BOD Item 1, January 26,2021)

Modifications to Date: 4 modifications (amendments and change orders) to date (combined \$116,052.84).

FCO#1: \$4,576.00
FCO#2: \$6,932.67
CO#1: \$49,882.16
CO#2: \$25,526.11
CO#3: \$29,135.90

Amount of this Change Order #4: \$310,428.37

Revised Total Contract Amount: \$8,610,781.20

Client/Fund Source: State of Maryland

MBE Participation: 14% MBE Goal AND 14% Contractors and MBE participation

Remark: This change order includes the sealing of leaks in three (3) concrete tanks. These tanks are 50+ years old and were repurposed in the new facility design.



Failed Coating



Water on bottom of tank a short time after it had been pumped dry



Cracks in Tank Wall

Approval after Solicitation
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June 30, 2022

Item: 9

Type: Construction over \$200,000

Group & Division: Water and Wastewater Group

MES Procurement #: 1-22-2-05-5

Project Name: Eastern Correctional Institution (ECI) Wastewater Treatment Plant (WWTP) – Sludge Facility Upgrade

Title/Description: Construct upgrades to the ECI WWTP sludge dewatering facility. Supply and install belt filter presses, sludge pumps, polymer supply system and auxiliary equipment.

Procurement Method: Competitive Sealed Bid

Bids:

HRI Construction LLC/AKA M2 Construction LLC	\$2,381,700
W.M. Schlosser Co.	\$3,223,000
Chesapeake Turf LLC.,	\$3,494,300

Awarded To: HRI Construction LLC/AKA M2 Construction LLC

Amount: \$2,381,700

Term: 365 days from notice to proceed

Client/Fund Source: State of Maryland/MCCBLs of 2019, 2020, 2021: *MES Infrastructure Improvement Fund (UB00)*

Appropriation Code:

336 MCCBL 19 (PCA#12078)	\$146,000;
004 MCCBL 20 (PCA# 12090)	\$240,000
542 MCCBL 21 (PCA# 12200)	\$1,500,000
FY23 Funding	\$405,700
Operating Fund	\$90,000

MBE Goal: 15%

Remarks: The existing sludge dewatering system consists of a single belt filter press and associated sludge and polymer feed pumps, all of which have been in operation for nearly 30 years. Because of wear and tear, the dewatering equipment currently requires frequent repairs to keep it operational. Under the proposed upgrade, the dewatering facility will be refurbished and provided redundancy to ensure reliability of the system for foreseeable future.



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Item: 10

Type: Equipment Purchase

Group & Division: Environmental Dredging & Restoration

MES Contract Number: TBD

Project Name: Cox Creek Dredged Material Containment Facility

Title/Description: Purchase of a 10,000 Gallon Water Truck for the Cox Creek Dredged Material Containment Facility

Procurement Method: Intergovernmental Cooperative Contract

Bids/Proposals: National Auto Fleet Group: \$275,960.00

Awarded To: National Auto Fleet Group

Amount: \$275,960.00

Term: Delivery in Six (6) to Eight (8) Months

Client/Fund Source: Cox Creek Operations 2586-1204, MDOT MPA

MBE Goal: No MBE Goal

Remarks: The existing water truck is poor condition and need of repairs. A replacement water truck is needed to meet dust control requirements at the site. MDOT MPA has approved this purchase in the FY 2023 budget. In February, the estimated cost for the water truck was \$185,000.00. Since then, the cost has increased to \$275,960 as a result of limited availability, high demand and inflation. There are currently only two such trucks available that would fit our specifications. Nothing else is available through the next calendar year, and the price would probably increase even more if they were available then.

