



Maryland Transportation Authority

CAPITAL COMMITTEE MEETING

WEDNESDAY, OCTOBER 2, 2024

2310 BROENING HIGHWAY
BALTIMORE, MARYLAND 21224

**CAPITAL COMMITTEE MONTHLY MEETING
October 2, 2024 – 3:00 PM**

This meeting will be livestreamed on the [MDTA Capital Committee Page](#)

NOTE: This is an Open Meeting being conducted via livestreaming. The public is welcomed to watch the meeting at the link listed above. *If you wish to comment on an agenda item please email your name, affiliation, and the agenda item to gsteffe@mdta.state.md.us no later than 3:00 p.m. on Monday, September 30, 2024. You MUST pre-register in order to comment.* Once you have pre-registered you will receive an email with all pertinent information.

AGENDA

OPEN SESSION – 3:00 p.m.

Call Meeting to Order

- | | | |
|--|----------------|---------|
| 1. <u>Approval</u> - Open Session Meeting Minutes of September 5, 2024 | Chairman | 5 mins |
| 2. <u>Approval</u> - KH 3021, I-95 ETL NBE MD 24 Interchange Reconstruction | Nafiz Alqasem | 10 mins |
| 3. <u>Approval</u> - 2022-04A Operational Asset Management and Support Services | Evan Howard | 10 mins |
| 4. <u>Update</u> - CTP Process/Additions | Jennifer Stump | 10 mins |

Vote to Adjourn Meeting

TAB 1

**MARYLAND TRANSPORTATION AUTHORITY
CAPITAL COMMITTEE MEETING
THURSDAY, SEPTEMBER 5, 2024
OPEN MEETING VIA LIVESTREAMING**

OPEN SESSION

MEMBERS ATTENDING: Mario J. Gangemi – Chairman
Samuel D. Snead
William H. Cox, Jr.
W. Lee Gaines

STAFF ATTENDING: James Harkness
Bruce Gartner
Tekeste Amare
Ebony Moore
Natalie Henson
Mary O’Keeffe
Timothy Sheets
Jeff Davies
Robert Michael
Min Zheng
Abey Tamrat
Bill Randow
Kim Millender
Cheryl Sparks
Donna DiCerbo
Ganine Steffe
Elizabeth Zito-Lynch

Member Gangemi called the meeting of the Maryland Transportation Authority (MDTA) Capital Committee to order at 9:00 a.m. The meeting was held via video conference and livestreamed on the MDTA Board Meeting web page.

APPROVAL – OPEN SESSION MEETING MINUTES OF JULY 9, 2024

Upon motion by Member Cox and seconded by Member Gaines, the Open Session meeting minutes of the Capital Committee’s meeting held on July 9, 2024, were unanimously approved.

APPROVAL – KB-3007-0000R2 – Police Headquarters Building Envelope Renovation

Ms. Zheng presented to the Capital Committee for approval the work to be performed under this contract located at the Police Headquarters at the Francis Scott Key Bridge Facility. This project includes the selective upgrades of the two-story Police Headquarters Building at the Francis

Scott Key Bridge Facility. Project work includes but is not limited to exterior selective demolition and re-build of the envelope, including masonry and flashing repair, roof repair and coating, and new aluminum column surrounds; repair of localized floor slab on grade differential settlement; replacement of an existing aluminum storefront vestibule; replacement of existing entrance canopy soffit and roof; and replacement of existing skylights and provide new solar control window films.

The Members unanimously recommended contingent approval of KB-3007-0000R2 - Police Headquarters Building Envelope Renovation to Jeffrey Brown Contracting to the full MDTA Board at its next scheduled meeting.

APPROVAL – BB-3021 – On-Call Structural Repairs and Miscellaneous Modifications for Bay Bridge

Mr. Tamrat presented to the Capital Committee for approval the work to be performed under this contract located at the William Preston Lane Jr. Memorial Bridge Facility. The scope of work for this contract involves performing structural steel, concrete, and miscellaneous On-Call Repairs, which will be required on an as needed basis, and as directed by the Engineer. On-call repairs will be performed on the facility, which shall include, but is not limited to the twin bridges, sign structures, gantries, etc.

Upon motion by Member Gaines and seconded by Member Cox, the Members unanimously recommended approval of BB-3021-0000 - On-Call Structural Repairs and Miscellaneous Modifications for the Bay Bridge to M.D. Miller Co., Inc. and present a recommendation for award to the full MDTA Board at its next scheduled meeting.

APPROVAL – MR-3037-0000 – On-Call Signs, Sign Lights, and Sign Structures

Mr. Amare presented to the Capital Committee for approval the work to be performed under this contract. This contract provides for the installation, modification, and/or removal of highway signs, and ancillary infrastructure and equipment such as sign support structures, traffic barriers, sign lighting and related electrical components. The work on this contract will be performed under on-call task assignments directed by the Maryland Transportation Authority (MDTA) Engineer.

Upon motion by Member Cox and seconded by Member Gaines, the Members unanimously recommended contingent approval of MR-3037-0000 On-Call Signs, Sign Lights, and Sign Structures to Collinson, Inc. and present a recommendation for approval to the full MDTA Board at its next scheduled meeting.

UPDATE – Alternative Project Delivery and Progressive Design-Build

Mr. Amare provided the MDTA Capital Committee with an overview of the BB-3017-0000 Eastbound Bay Bridge Deck Replacement Project Phase 1 – Package 1 which will be to replace 4,680 feet of bridge deck and floor system using 156 panels, to widen deck for improved safety

operations & emergency access, relocate existing utilities on bridge, Rehabilitate structural members, upgrade traffic barrier and Stormwater Management.

There being no further business, the meeting of the MDTA Capital Committee was adjourned by consensus at 9:41 a.m. following a motion by Member Gaines and seconded by Member Snead.

The next meeting of the MDTA Capital Committee is scheduled for Thursday, October 3, 2024, at 9:00 a.m., this meeting will be virtual conducted via livestream.

APPROVED AND CONCURRED IN:

Mario J. Gangemi, Chairman

TAB 2



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CAPITAL COMMITTEE PROJECT SUMMARY

KH-3021-0000 I-95 EXPRESS TOLL LANES NORTHBOUND EXTENSION MD 24 INTERCHANGE RECONSTRUCTION

PIN NUMBER 2493
CONTRACT NUMBER KH-3021-0000
CONTRACT TITLE I-95 Express Toll Lanes Northbound Extension -MD 24 Interchange Reconstruction

PROJECT SUMMARY The work to be performed under this contract is located along I-95 (John F. Kennedy Memorial Highway) from approximately 2,900 feet south of the Old Joppa Road overpass to approximately 800 feet south of the I-95 bridge over Bynum Run and on MD 24 (Veteran’s Memorial Highway) approximately 3,300 feet to the north and 1,750 feet to the south of the MD 24 overpass in Harford County. Work is also performed along MD 152 and on the southern I-95 and I-895 approaches to the northbound ETL entrances. The project includes a full interchange reconstruction including the replacement of the MD 24 bridge, replacement of the southbound portion of the I-95 bridge over Winters Run and Winters Run Road, and improving I-95 to accommodate two express toll lanes (ETLs) and four general purpose lanes (GPLs) in the northbound direction and four GPLs in the southbound direction.

SCHEDULE

ADVERTISEMENT DATE 6/27/2024
ANTICIPATED NOTICE TO PROCEED DATE Dec-24
DURATION (COMPLETION DATE) 12/1/2027

	(\$)	Proposed
	Advertised	GOAL (%)
	GOAL (%)	GOAL (%)
MBE PARTICIPATION		
OVERALL MBE	18.00%	18.05%
AFRICAN AMERICAN	-	2.74%
ASIAN AMERICAN	-	0.00%
HISPANIC AMERICAN	-	0.23%
WOMEN	-	11.18%
NATIVE AMERICAN	-	3.93%
VSBE	1.00%	1.00%

ENGINEER'S ESTIMATE (EE) \$218,194,319.45

	BID AMOUNT (\$)	% VARIANCE TO EE
BID RESULTS		
Wagman-Allan Myers A joint Venture	\$199,927,983.61	-8%
Fay/Pierson A Joint Venture	\$221,534,733.00	2%
Kokosing Construction Company, Inc.	\$230,764,290.05	6%

BID PROTEST YES NO

FUNDING SOURCE 100.00% TOLL REVENUE

TAB 3



CAPITAL COMMITTEE PROJECT SUMMARY

Contract No. MDTA 2022-04A COMPREHENSIVE OPERATIONAL ASSET MANAGEMENT AND SUPPORT SERVICES

PIN NUMBER N/A
CONTRACT NUMBER MDTA 2022-04A
CONTRACT TITLE COMPREHENSIVE OPERATIONAL ASSET MANAGEMENT AND SUPPORT SERVICES

PROJECT SUMMARY This Contract will provide comprehensive engineering, construction, operational and maintenance services for operational needs for Asset Management, Engineering, Construction, E-ZPass Operations, Facilities Operations, Support Services, and Traffic Management and Technology. The Consultants shall provide support for MDTA’s Asset Management initiatives such as assisting with TSO Asset Management plans and directives such as: enhancing the capabilities of the Enterprise Asset Management database known as MAXIMO, enhancing preventative maintenance and warranty programs and acting as subject matter experts (SMEs) for various operational systems such as HVAC, fire alarm/fire suppression, elevator, plumbing, roofing and other transportation asset systems. Supporting MDTA for ITS, Transportation Systems Management and Operations (TSMO), and new technology innovations with Connected and Automated Vehicles (CAV) and Electric Vehicles (EV).

SCHEDULE		PROPOSER	CONTRACT NUMBER	CONTRACT AMOUNT
ADVERTISEMENT DATE	June 29, 2023	WSP/ RK&K - Joint Venture (JV)	AE 3128	\$8,000,000.00
ANTICIPATED NTP DATE	December 19, 2024	JMT/KCI - JV	N/A	N/A
DURATION/TERM	FIVE (5) YEARS	Wallace Montgomery	N/A	N/A
		Gannett Fleming/Century - JV	N/A	N/A

PROTEST YES NO
 ✓

**MBE PARTICIPATION
WSP/RK&K**

	ADVERTISED GOAL	PROPOSED GOAL
MBE PARTICIPATION - OVERALL		
OVERALL MBE	29.00%	29.00%
AFRICAN AMERICAN	7.00%	7.00%
ASIAN AMERICAN	-	11.00%
HISPANIC AMERICAN	-	-
WOMEN OWNED	10.00%	11.00%
OTHER		-
VSBE	1.00%	1.00%

TAB 4



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Wes Moore, Governor
Aruna Miller, Lt. Governor
Paul J. Wiedefeld, Chairman

Board Members:
Dontae Carroll
William H. Cox, Jr.
W. Lee Gaines, Jr.
Mario J. Gangemi, P.E.
Cynthia D. Penny-Ardinger
Jeffrey S. Rosen
Samuel D. Snead, MCP, MA
John F. von Paris

Bruce Gartner, Executive Director

MEMORANDUM

TO: MDTA Capital Committee
FROM: Assistant Capital Program Manager Jennifer Stump
SUBJECT: Consolidated Transportation Program (CTP) Process/Additions
DATE: October 3, 2024

PURPOSE OF MEMORANDUM

The purpose of the memorandum is to provide the MDTA Capital Committee with an overview of the MDTA Consolidated Transportation Program (CTP) Process and an update on the additions to the capital program. This information will be presented to the MDTA Board on October 31, 2024.

SUMMARY

Every year the Maryland Transportation Authority (MDTA) releases the CTP, presenting MDTA's ongoing and new capital projects for a six-year period (the current year, the upcoming budget year, and the four succeeding planning years) for all MDTA facilities.

After approval by the MDTA Board in June, the Draft CTP is presented to local elected officials and citizens in September through October throughout Maryland for review and comment. It is then revised and submitted, after MDTA Board approval in November, as the Final CTP as part of the Governor's budget to the Maryland General Assembly in January. This process is required by statute and applies to MDTA as well as the Maryland Department of Transportation (MDOT) business units.

The CTP is separated into three parts, (1) Construction Program - Major projects, (2) Development and Evaluation (D&E) Program - Major projects, and (3) System Preservation - Minor Projects. Major capital projects are listed individually; minor projects are grouped and shown by category of work (e.g., environmental, highway preservation, safety improvements).

The Construction Program – Major Projects and System Preservation – Minor Projects programs include ongoing projects and those projects scheduled to begin construction within the six-year period.

The D&E Program contains those major projects which are being prepared for possible future addition to the Construction Program. Projects are moved from the D&E Program to the Construction Program as funds and resources become available, based on the merits of the projects.

PROJECT SELECTION

MDTA's capital projects originate from a variety of sources.

- Long Range Capital Needs (LRCN) – includes planned rehabilitation or replacement projects based on life cycle. The expected useful life of a component does not provide an exact rehabilitation or replacement date but gives an idea of when the MDTA should begin planning and budgeting to address it.
- Inspection findings - used in tandem with life cycle estimates to confirm rehabilitation or replacement is necessary as scheduled or to expedite a project when it is needed ahead of schedule.
- Regulatory compliance - includes projects for EPA-mandated storm water management.
- Increased capacity needs - based on traffic forecast recommendations.
- Local Priority Letters/Legislative Requests - established each year as counties and Baltimore City are asked to submit a list of priorities for the state transportation system. Generally, these priority letters include the concurrence signatures of the legislative delegation representing that county.

Once identified, projects are prioritized based on customer needs for safety and security, or increased capacity through improvements, or system preservation.

Funding availability to budget for identified projects is based on the MDTA's six-year financial forecast, which considers estimates of traffic and revenue (prepared annually), the operating budget and capital budget, debt service payments, the potential need for future bond sales and toll increases, and compliance with financial standards (Trust Agreement covenant, debt service coverage, unrestricted cash balance).

The FY 2025-2030 Final CTP, to be presented for approval in November, includes eleven new projects. Those projects are detailed in Attachment A.

ATTACHMENT

Attachment A - New Projects Added to the FY 2025-2030 MDTA Capital Program

New Projects Added to the FY 2025-2030 MDTA Capital Program

Replace and Rehabilitate FMT Electrical Switchgear

I-95 Fort McHenry Tunnel (Pin 2615)

\$400,000 (Engineering Only)

FMT East and West Vent Buildings' Medium voltage gears (13.2KV) have aged and require replacement. FMT East and West Vent Buildings' have aged 480/277V, 3PH transformers, substations, panelboards, breakers, and electrical conduit/conductors that were originally installed in 1984. The design is not limited to one-for-one replacement of electrical gears based on aging, but also to correct any code-deficient systems, and prepare a short circuit relay coordination study/arc-flash assessment with labeling.

ICC Sign Panel Replacements

MD 200 Intercounty Connector (Pin 2625)

\$917,000 (Engineering Only)

Sign panel replacement needed due to expired service life of the existing signing.

Multi-Area Bridge Bearings and Joints Rehabilitation

Multi-Area (Pin 2658)

\$400,000 (Engineering Only)

Recently completed study identified and prioritized BHT and JFK bridges in need of bearings and joints replacement prior to failures.

Highways Ramp Rehabilitation and Paving

Multi-Area (Pin 2659)

\$1,000,000 (Engineering Only)

MDTA Lifecycle Management Plan provides performance targets for the highway ramp system. The goal of this project is to address the state of good repair needs across multiple facilities to bring the ramps into compliance with the LMP targets.

FMT Administration Building E-ZPass Renovation

I-95 Fort McHenry Tunnel (Pin 2660)

\$300,000 (Engineering Only)

This project is to renovate FMT Administration Building to provide office space for consolidated E-ZPass staff. Operations would like to have E-ZPass staff in a single location, and identified FMT Administration Building as the best location after AET conversion is complete.

Chesapeake House Water System Repairs

I-95 John F. Kennedy Highway (Pin 2661)

\$2,700,000 (Construction Only)

Emergency and long-term repair of water system at Chesapeake House.

On-Call Facility & Building Repairs

Multi-Area (Pin 2662)

\$706,000 (Engineering Only)

Provide labor, equipment, materials, etc. necessary to perform miscellaneous facility/building and other types of repairs, upgrades, replacements, and new construction. Includes interior and exterior on campus of any MDTA facilities.

I-895 SB Spur Approach Bridge Replacement

I-895 Baltimore Harbor Tunnel (Pin 2663)

\$410,000 (Engineering Only)

This project is for the replacement of Bridge AAY060001. Bridge was identified for replacement based on inspection reports and a bridge tour in the spring of 2024.

I-95 SB Bridges over Big and Little Gunpowder

I-95 John F. Kennedy Highway (Pin 2664)

\$5,500,000 (Engineering Only)

Replacement of I-95 SB Bridges over the Big and Little Gunpowder as part of MDTA's System Preservation Program.

Remodel Southern AOC at Bay Bridge

US 50/301 William Preston Lane Jr. Memorial (Bay) Bridge (Pin 2666)

\$100,000 (Engineering Only)

Reconfigure MDTA southern Authority Operation Center (AOC) at the Bay Bridge to fit current occupancy needs.

FMT Facility Roof Replacements

I-95 Fort McHenry Tunnel (Pin 2667)

\$51,000 (Engineering Only)

Replace aging roofs at various buildings located at the FMT facility.