



Maryland Transportation Authority

CAPITAL COMMITTEE MEETING

THURSDAY, MAY 1, 2025

2310 BROENING HIGHWAY
BALTIMORE, MARYLAND 21224

CAPITAL COMMITTEE MONTHLY MEETING
May 1, 2025 – 9:00 AM

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, April 28, 2025. 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 – 9:00 a.m.

Call Meeting to Order

- | | | |
|--|----------------|---------|
| 1. <u>Approval</u> - Open Session Meeting Minutes of April 3, 2025 | Chairman | 5 mins |
| 2. <u>Approval</u> - MA-3017-0000 Radio Rebroadcast and Radiax in BHT & FMT | Sonia Thomas | 5 mins |
| 3. <u>Approval</u> - HT-3020-0000 BHT Lane Use Signals (LUS) Extension | Sonia Thomas | 5 mins |
| 4. <u>Approval</u> - MA-3023-0000 Generator Replacement At Various Facilities | Andrew Layman | 5 mins |
| 5. <u>Update</u> - CTP Process/Additions | Jennifer Stump | 10 mins |
| 6. <u>Update</u> - Key Bridge Project - Verbal | James Harkness | 10 mins |
| 7. <u>Update</u> - Bay Bridge Projects - Verbal | James Harkness | 10 mins |

Vote to Adjourn Meeting

TAB 1

**MARYLAND TRANSPORTATION AUTHORITY
CAPITAL COMMITTEE MEETING
THURSDAY, APRIL 3, 2025
OPEN MEETING VIA LIVESTREAMING**

OPEN SESSION

MEMBERS ATTENDING:

Mario J. Gangemi – Chairman
Samuel D. Snead
William H. Cox, Jr.
Maricela Cordova

STAFF ATTENDING:

Bruce Gartner
James Harkness
Ishtiaque Tunio
Tekeste Amare
Moreshwar Kulkarni
Natalie Henson
Mary O’Keeffe
Kimberly Millender
Jennifer Stump
Cheryl Sparks
Jeffrey P. Davis
Timothy Sheets
Ruel Sabellano
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 live streamed on the MDTA Board Meeting web page.

APPROVAL – OPEN SESSION MEETING MINUTES OF MARCH 6, 2025

Upon motion by Member Cox and seconded by Member Snead, the Open Session meeting minutes of the Capital Committee’s meeting held on March 6, 2025, were unanimously approved.

APPROVAL – MDTA 2023-01 AE COMPREHENSIVE TRAFFIC ENGINEERING SERVICES

Mr. Sabellano presented this request to seek a recommended approval from the Capital Committee to present Contract No. MDTA 2023-01 AE Comprehensive Traffic Engineering Services to the full MDTA Board for award at its next scheduled meeting.

The services to be performed are comprehensive traffic engineering services for the MDTA Office of Engineering and Construction and may be used Authority-wide. Project assignments will depend on the MDTA's workload. It is anticipated that project assignments will be funded with 100% Transportation Authority funds. Consultants shall provide professional Traffic Engineering services for an on-call and on-site basis, as directed by the MDTA. The Consultants services include but are not limited to, traffic control device design, review, evaluation and

analysis; traffic engineering planning and operations studies; Product and material evaluations and analyses; Asset management services associated with traffic control and traffic safety devices; Development of plans, specifications and estimates for advertisement and for traffic related construction contracts and/or task orders; supplemental staffing support; and project and program management.

Upon motion by Member Cordova and seconded by Member Cox, the Members unanimously recommended approval of Contract No. MDTA 2023-01 AE Comprehensive Traffic Engineering Services to Rummel, Klepper & Kahl/WSP USA (JV), Whitman, Requardt & Associates and Wallace, Montgomery/STV, Inc. and present a recommendation for award to the MDTA Board at its next scheduled meeting.

There being no further business, the meeting of the MDTA Capital Committee was adjourned by consensus at 9:08 a.m. following a motion by Member Cordova and seconded by Member Cox.

The next meeting of the MDTA Capital Committee is scheduled for Thursday, May 1, 2025, at 9:00 a.m., this meeting will be virtual conducted via livestream.

APPROVED AND CONCURRED IN:

Mario J. Gangemi, Chairman

TAB 2



Maryland
Transportation
Authority

CAPITAL COMMITTEE PROJECT SUMMARY

MA-3017 - Radio Rebroadcast System (RRBS) for the Fort McHenry Tunnel (FMT) and Baltimore Harbor Tunnel (BHT)

PIN NUMBER

MDTAPRJ002497

CONTRACT NUMBER

MA-3017-0000

CONTRACT TITLE

Radio Rebroadcast System (RRBS) for the Fort McHenry Tunnel (FMT) and Baltimore Harbor Tunnel (BHT)

PROJECT SUMMARY

The work to be performed under this contract is located at the Fort McHenry Tunnel (FMT) and Baltimore Harbor Tunnel (BHT) on I-95 and I-895 in Baltimore City. The existing RRBS in both tunnels reached its end of life and has no longer flexibility to be upgraded or enhanced due to the custom software and the age and availability of head end components. The new system will bring more channels to be broadcasted and new system to support operations. This contract will design, furnish, install, configure, integrate, test, commission and warrant a new RRBS for FMT and BHT. The existing cable will be tested and if needed replaced partially or fully.

SCHEDULE

ADVERTISEMENT DATE

12/1/2023

ANTICIPATED NOTICE TO PROCEED DATE

Jul-25

DURATION (CALENDER DAYS)

548

MBE PARTICIPATION

OVERALL MBE

(\$)

**Advertised
GOAL (%)**

**Proposed
GOAL (%)**

AFRICAN AMERICAN

6.00%

7.40%

ASIAN AMERICAN

0.00%

0.00%

HISPANIC AMERICAN

0.00%

0.00%

WOMEN

0.00%

0.00%

VSBE

0.00%

0.00%

1.00%

1.45%

ENGINEER'S ESTIMATE (EE)

\$4,983,500.00

BID RESULTS

BID AMOUNT (\$)

% VARIANCE TO EE

BID PROTEST

YES ☐

NO ☒

SICE INC

\$5,711,655.36

14%

FUNDING SOURCE

100% TOLL REVENUE

Maryland Transportation Authority

Contract Name: RADIO REBROADCAST SYTEM (RRBS) REPLACEMENT FOR FORT MCHENRY TUNNEL (FMT) AND BALTIMORE HARBOR TUNNEL (BHT)

Contract Number: MA-3017-0000

Bid Date: January 29, 2025

Bid Tabulation

Engineer's Estimate

SICE Inc.

ITEM NO.	CAT CODI	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	+/- % of Est.
1001	100000	MOBILIZATION AND DEMOBILIZATION	LS	1	\$120,000.00	\$ 120,000.00	\$ 496,121.24	\$ 496,121.24	313.43
1002	100000	TYPE C ENGINEER'S OFFICE	UM	18	\$6,000.00	\$ 108,000.00	\$ 9,774.00	\$ 175,932.00	62.90
1003	100000	TYPE A - BAR CHART (BC) SCHEDULE	LS	1	\$15,000.00	\$ 15,000.00	\$ 166,808.79	\$ 166,808.79	1012.06
8001	800000	FURNISH RRBS DESIGN DOCUMENTATION AND MEETING SUPPORT	LS	1	\$ 175,000.00	\$ 175,000.00	\$ 685,825.50	\$ 685,825.50	291.90
8002	800000	FURNISH, INSTALL, CONFIGURE, TEST, AND COMMISSION RRBS FMT BORE 1	LS	1	\$ 239,250.00	\$ 239,250.00	\$ 111,194.39	\$ 111,194.39	-53.52
8003	800000	FURNISH, INSTALL, CONFIGURE, TEST, AND COMMISSION RRBS FMT BORE 2	LS	1	\$ 239,250.00	\$ 239,250.00	\$ 111,194.39	\$ 111,194.39	-53.52
8004	800000	FURNISH, INSTALL, CONFIGURE, TEST, AND COMMISSION RRBS FMT BORE 3	LS	1	\$ 239,250.00	\$ 239,250.00	\$ 111,194.39	\$ 111,194.39	-53.52

Maryland Transportation Authority

Contract Name: RADIO REBROADCAST SYTEM (RRBS) REPLACEMENT FOR FORT MCHENRY TUNNEL (FMT) AND BALTIMORE HARBOR TUNNEL (BHT)

Contract Number: MA-3017-0000

Bid Date: January 29, 2025

Bid Tabulation

Engineer's Estimate

SICE Inc.

ITEM NO.	CAT	CODE	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	+/- % of Est.
8005	800000		FURNISH, INSTALL, CONFIGURE, TEST, AND COMMISSION RRBS FMT BORE 4	LS	1	\$ 239,250.00	\$ 239,250.00	\$ 111,354.21	\$ 111,354.21	-53.46
8006	800000		FURNISH, INSTALL, CONFIGURE, TEST, AND COMMISSION RRBS BHT EAST TUBE	LS	1	\$ 239,250.00	\$ 239,250.00	\$ 184,185.79	\$ 184,185.79	-23.02
8007	800000		FURNISH, INSTALL, CONFIGURE, TEST, AND COMMISSION RRBS BHT WEST TUBE	LS	1	\$ 239,250.00	\$ 239,250.00	\$ 187,511.40	\$ 187,511.40	-21.63
8008	800000		FURNISH, INSTALL, CONFIGURE, TEST, AND COMMISSION RRBS HEADEND HARDWARE AND SOFTWARE	LS	1	\$ 880,000.00	\$ 880,000.00	\$ 609,177.86	\$ 609,177.86	-30.78
8009	800000		RRBS DOCUMENTATION AND TRAINING	LS	1	\$ 100,000.00	\$ 100,000.00	\$ 113,807.43	\$ 113,807.43	13.81
8010	800000		MISCELLANEOUS ELECTRICAL REPAIRS AND/OR CONTRUCTION	AL	1	\$ 250,000.00	\$ 250,000.00	\$ 250,000.00	\$ 250,000.00	0.00
8011	800000		3-YEAR PERFORMANCE WARRANTY	LS	1	\$ 150,000.00	\$ 150,000.00	\$ 647,347.97	\$ 647,347.97	331.57
8012	800000		MISCELLANEOUS RADIAX CABLE REPAIRS/REPLACEMENT	AL	1	\$1,750,000.00	\$ 1,750,000.00	\$ 1,750,000.00	\$ 1,750,000.00	0.00
TOTAL							\$4,983,500.00		\$ 5,711,655.36	14.61

TAB 3



Maryland
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CAPITAL COMMITTEE PROJECT SUMMARY

HT-3020 BALTIMORE HARBOR TUNNEL (BHT) LANE USE SIGNAL (LUS) EXTENSION

PIN NUMBER MDTAPRJ002587
CONTRACT NUMBER HT-3020-0000
CONTRACT TITLE BALTIMORE HARBOR TUNNEL (BHT) LANE USE SIGNAL (LUS) EXTENSION

PROJECT SUMMARY The work to be performed under this contract is located at the I-895 Baltimore Harbor Tunnel (BHT) facility between the north portal of BHT and north of Lombard Street Interchange in Baltimore City. This project is to install additional ITS systems that will provide support to operations with the newly installed gates, which facilitate the two-way operations at BHT. The system is intended to improve the two-way traffic operations in the tunnel. The project will extend the existing Lane Use Signal (LUS) system through the corridor including fiber optic backbone installation, new Dynamic Message Sign (DMS), static signs, new CCTV camera, and electrical feeds for proposed sites.

SCHEDULE

ADVERTISEMENT DATE 1/7/2025
ANTICIPATED NOTICE TO PROCEED DATE Jul-25
DURATION (CALENDER DAYS) 730

	(\$) Advertised GOAL (%)	Proposed GOAL (%)
MBE PARTICIPATION		
OVERALL MBE	19.00%	23.21%
AFRICAN AMERICAN	0.00%	0.00%
ASIAN AMERICAN	0.00%	0.00%
HISPANIC AMERICAN	0.00%	0.00%
WOMEN	0.00%	17.19%
VSBE	1.00%	1.00%

ENGINEER'S ESTIMATE (EE) \$8,088,817.44

BID RESULTS

BID PROTEST YES ☐ NO ☒

FUNDING SOURCE 100% TOLL REVENUE

	BID AMOUNT (\$)	% VARIANCE TO EE
McLean Contracting Company	8,557,000.00	5%
Mona Electric Group, Inc	10,747,639.70	32%
Aldridge Electric, Inc	11,122,567.80	37%

TAB 4



Maryland
Transportation
Authority

CAPITAL COMMITTEE PROJECT SUMMARY

MA-3023-0000 Generator Replacements at Various Facilities

PIN NUMBER MDTAPRJ002583
CONTRACT NUMBER MA-3023-0000
CONTRACT TITLE Generator Replacements at Various Facilities

PROJECT SUMMARY The scope of this project is to remove and replace four (4) MDTA owned generators at four (4) locations: Bay Bridge Admin and Maintenance Building, JFK Substation, Thomas J. Hatem Maintenance Building, and the Baltimore Harbor Tunnel Maintenance building. This will be a removal and replacement of existing generators, associated cables, and manual and automatic transfer switches. The work also includes exterior building work at the Bay Bridge location as this generator is the only one that we are replacing that is indoors.

SCHEDULE

ADVERTISEMENT DATE 9/13/2024
ANTICIPATED NOTICE TO PROCEED DATE Jul-25
DURATION (CALENDER DAYS) 730

MBE PARTICIPATION

OVERALL MBE
AFRICAN AMERICAN
ASIAN AMERICAN
HISPANIC AMERICAN
WOMEN
VSBE

	(\$) Advertised GOAL (%)	Proposed GOAL (%)
OVERALL MBE	12.00%	12.11%
AFRICAN AMERICAN	0.00%	9.98%
ASIAN AMERICAN	0.00%	0.00%
HISPANIC AMERICAN	0.00%	0.00%
WOMEN	0.00%	2.13%
VSBE	1.00%	1.00%

ENGINEER'S ESTIMATE (EE) **\$4,086,198.31**

BID RESULTS

BID AMOUNT (\$) **% VARIANCE TO EE**

BID PROTEST YES ☐ NO ☒

FUNDING SOURCE 100% TOLL REVENUE

Glenelg Construction INC	\$ 4,109,662.00	1%
Fresh Air Concepts LLC	\$ 5,085,000.00	24%
Dvorak LLC	\$ 5,778,000.00	41%

TAB 5



Maryland Transportation Authority

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

Board Members:

Dontae Carroll	Cynthia D. Penny-Ardinger
Maricela Cordova	Jeffrey S. Rosen
William H. Cox, Jr.	Samuel D. Snead, MCP, MA
Mario J. Gangemi, P.E.	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: May 1, 2025

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 May 29, 2025.

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, the Draft CTP is presented to local elected officials and citizens in September through November throughout Maryland for review and comment. It is then revised and submitted, after MDTA Board approval, 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 2026-2031 Draft CTP, to be presented at a future meeting, includes nine new projects, which are detailed in Attachment A.

ATTACHMENT

Attachment A - New Projects Added to the FY 2026-2031 MDTA Capital Program

New Projects Added to the FY 2026-2031 MDTA Capital Program

On-Call Structural Repairs

Multi-Area (Pin 2665)

\$39,977,834 (Engineering & Construction)

This contract will provide structural steel and concrete repairs to various structures at all MDTA facilities on an on-call basis. The repairs included within this project will be initiated based upon the defects reported in the annual inspection reports.

Tydings Bridge Cleaning, Painting, and Miscellaneous Repairs

I-95 John F. Kennedy Memorial Highway (Pin 2668)

\$1,000,000 (Engineering only)

Full cleaning and painting of steel members, repair/strengthening of rust deteriorated areas, removal of construction tack welds, and replacement of loose and missing bolts and rivets to extend its useful life.

I-395 Deck Replacements

I-895 Baltimore Harbor Tunnel (Pin 2670)

\$385,000 (Engineering only)

This project is for the replacement or rehabilitation of the bridge decks on I-395 Northbound and Southbound. The purpose of this project is to complete overlays or full deck replacements on the I-395 bridges as part of MDTA's System Preservation efforts.

Replace Erdman Avenue Bridges over I-895

I-895 Baltimore Harbor Tunnel (Pin 2671)

\$450,000 (Engineering only)

Replace Erdman Avenue Bridges over I-895 as part of MDTA's larger preservation program for the BHT facility bridges.

Environmental On-Call V

Multi-Area (PIN 2675)

\$3,636,000 (Engineering & Construction)

Miscellaneous On-Call repairs, upgrades, replacements, rehabilitation, and new construction on stormwater assets, including storm drain systems and stormwater management Best Management Practices (BMPs), slopes, and natural resources mitigation needed for system preservation.

Hatem Admin/Police Building Rehabilitation

US 40 Thomas J. Hatem Bridge (PIN 2678)

\$500,000 (Engineering Only)

The building has been unchanged since at least the 1960's. Safety and security updates are desperately needed for workspaces, prisoner housing, evidence storage, weapons storage, etc. The project will bring the police station interior rehab/expansion up to current standards.

EB Spans Full Paint - Phase 1 (T14-T22 & Suspension Span Towers from Water to below Roadway)

US 50/301 William Preston Lane Jr. Memorial (Bay) Bridge (PIN 2679)

\$600,000 (Engineering Only)

Full blast cleaning and painting of the T14-T22 Deck Truss Superstructure, Steel Bent Substructure, and Pier 25 and Pier 26 Suspension Span Main Towers which were last painted in the 1990s. The coating system in these spans has exceeded its service life and full painting of these areas is necessary to prevent corrosion, section loss and reduction of capacity. The blast cleaning and painting of the non-redundant trusses and towers will extend the service life.

Rehab Decks of EB Span - Phase II

US 50/301 William Preston Lane Jr. Memorial (Bay) Bridge (PIN 2606)

\$9,100,000 (Engineering Only)

Eastbound Bay Bridge Rehabilitation, Phase II includes bridge deck & floor system replacement & widening, MASH TL-4 barrier upgrade and signal gantry replacement for Deck Truss Spans T1-T13.

Fire Alarm System Upgrades and Security System Upgrades

Multi-Area (PIN 2602)

\$400,000 (Engineering Only)

This is a Service Life Cycle replacement. The project includes New Fire Alarm Systems for fifteen (15) existing MDTA buildings and upgrades to system components at other buildings. Ten (10) buildings are designed for Digital Addressable Fire Alarm Systems and five (5) are designed for Conventional Zoned Fire Alarm Systems. Other existing locations will have new fire alarm control panels installed to meet current code requirements. In addition, the scope of this contract also includes Security System upgrades for sixty (60) buildings to replace outdated equipment and software as this instrumentation is obsolete.

TAB 6

VERBAL

TAB 7

VERBAL