

**MARYLAND TRANSPORTATION AUTHORITY  
MONTHLY CAPITAL COMMITTEE MEETING  
FRIDAY, MARCH 6, 2015  
PT. BREEZE HEADQUARTERS BUILDING  
BALTIMORE, MD**

**OPEN SESSION**

**MEMBERS ATTENDING:** Rev. Dr. William C. Calhoun, Sr.  
William K. Hellmann, P.E. – via telephone  
Michael J. Whitson – via telephone

**STAFF ATTENDING:** Bruce Gartner  
Deb Sharpless  
Dan Williams  
James Harkness  
Will Pines  
Dave LaBella  
Bob Jordan  
Koudjo Amouzou  
Jessica Mettle  
Meshelle Howard  
Kelly Melhem  
Paul Truntich  
Todd Coleman  
Sabrina Beverley  
Kimberly Millender, Esquire  
Chris Thompson

**OTHERS ATTENDING:** Dennis Schrader, MDOT – via telephone  
Neil Leary, GEC

At 9:05 a.m. the meeting of the Maryland Transportation Authority (MDTA) Capital Committee was called to order by Chairman Calhoun.

**APPROVAL- CLOSED AND OPEN SESSION MINUTES OF FEBRUARY 5, 2015**

Upon motion by Member Whitson and seconded by Member Hellmann, the Closed and Open Session meeting minutes of the Capital Committee's Meeting held on February 5, 2015 were unanimously approved.

**APPROVAL CONTRACTS**

**Contract No. FT 2771-000-006 – I-95 and I-395 Superstructure and Pier Modifications**

Mr. Will Pines presented this request seeking a recommended approval from the Capital Committee to present this Contract No. FT 2771-000-006, I-95 and I-395 Superstructure and Pier Modifications to the full MDTA Board at its next scheduled meeting.

The project is to perform repairs at the junction of Northbound Interstate Route 95 and Southbound Interstate Route 395 ramp to Northbound Interstate Route 95 south of the Fort McHenry Tunnel in Baltimore City. The scope of work includes superstructure and pier modifications and drainage pipe replacement to the following bridges as defined in the Contract Documents:

- 1) BCW54601: I-95 NB over Middle Branch
- 2) BCW55101: I-95 NB over Hanover Street
- 3) BCWT0600: I-395 Ramp F over Middle Branch, I-95 and Ramps G & H

There is an allowance of \$300,000.00 for Disposal of Waste Soil, an allowance of \$300,000.00 for Disposal of Waste Water, an allowance of \$100,000.00 for Instrumentation, and an allowance of \$100,000.00 for Miscellaneous Repairs that was included in the Invitation for Bids (IFB) and will only be used if necessary and with prior approval of the Construction Manager.

This project was advertised on September 4, 2014. Four (4) bids were received on February 5, 2015 and the responsive bid results were as follows:

<b>Contractor</b>	<b>Bid Amount</b>	<b>Variance % To Eng. Est.</b>
Joseph B. Fay Company	\$5,754,144.00	8.87%
Brawner Builders, Inc.	\$5,942,230.00	12.43%
G.A. & F.C. Wagman, Inc.	\$6,890,175.00	30.37%
Eastern Highway Specialists, Inc.	\$6,924,696.50	31.02%

The Engineers Estimate for this project is \$5,285,095.00. It was noted that the low bid was 8.87% higher than the Engineer's Estimate. Joseph B. Fay Company has performed work on prior MDTA projects. An analysis of the bid compared to the Engineer's Estimate was performed by the Division of Engineering and the low bid submitted by Joseph B. Fay Company, was determined to be acceptable. This project was advertised with a Minority Business Enterprise (MBE) participation goal of Nineteen Percent (19%) with sub-goals of seven percent (7%) for African American owned and four percent (4%) for Asian American-owned companies; and a One Percent (1%) Veteran-owned Small Business Enterprise (VSBE) participation goal. Joseph B. Fay Company submitted MBE and VSBE plans that meet the goals. Notice-to-Proceed

(NTP) for this Contract is anticipated in April, 2015. The contract term is Three Hundred and Five (305) calendar days from Notice-To-Proceed.

After reviewing and discussing the differences between the Engineer's Estimate and the bid submitted by the recommended Contractor, upon a motion by Member Hellmann and seconded by Member Whitson, the Members unanimously recommended approval of this contract by the MDTA Board at its next scheduled meeting.

### **Contract No. MA 2803-000-006 – On Call Drainage and Stormwater Remediation**

Mr. Dave LaBella presented this request seeking a recommended approval from the Capital Committee to present this Contract No. MA 2803-000-006, On Call Drainage and Stormwater Remediation to the full MDTA Board at its next scheduled meeting.

The work includes providing labor, equipment, and materials necessary to perform miscellaneous repairs, upgrades, replacements, and new construction for drainage and stormwater-related features as directed by the Engineer. This work covers storm drain systems, stormwater management (SWM) devices, and other improvements in support of system preservation and meeting compliance of stormwater permits related to National Pollutant Discharge Elimination System (NPDES). This work may be required on any portion (bridge, tunnel, highway, building, and all appurtenances) of any of the Authority's facilities.

There is an allowance of \$675,000.00 for Materials for Construction, an allowance of \$210,000.00 for Specialized Equipment for Construction, an allowance of \$200,000.00 for Specialized Subcontractors for Construction, and an allowance of \$3,000.00 for Lodging and Meals that was included in the Invitation for Bids (IFB) and will only be used if necessary and with prior approval of the Construction Manager.

This project was advertised on September 26, 2014. Three (3) bids were received on January 16, 2015 and the responsive bid results were as follows:

<b>Contractor</b>	<b>Bid Amount</b>	<b>Variance % To Eng. Est.</b>
Concrete General, Inc.	\$3,449,494.00	(1.11)%
MBP Contracting Co., Inc.	\$4,429,640.00	26.99%
Angler Environmental	\$5,138,299.00	47.23%

The Engineers Estimate for this project is \$3,488,160.00. It was noted that the low bid was 1.11% lower than the Engineer's Estimate. Concrete General, Inc. has performed work on prior MDTA projects. An analysis of the bid compared to the Engineer's Estimate was performed by the Division of Engineering and the low bid submitted by Concrete General, Inc., was determined to be acceptable. This project was originally advertised as a Small Business Reserve (SBR) Invitation for Bids (IFB) with no MBE or VSBE goals. No SBR Prime Contractors attended the Pre-Bid Meeting, so in the best

interests of the State, staff decided to postpone the bid due date and take this project back to PRG to re-evaluate the SBR designation and change it to a Small Business Preference (SBP) Eligible and add an MBE goal. An overall MBE participation goal of thirty percent (30%) with no sub-goals was added. Concrete General, Inc. submitted a MBE plan that meets the goal. Notice-to-Proceed (NTP) for this Contract is anticipated in April, 2015. The contract term is One Thousand Ninety Five (1095) calendar days from Notice-To-Proceed.

After reviewing and discussing the differences between the Engineer's Estimate and the bid submitted by the recommended Contractor, upon a motion by Member Whitson and seconded by Member Hellmann, the Members unanimously recommended approval of this contract by the MDTA Board at its next scheduled meeting.

### **Contract No. MR-2859-000-001/6 – On Call Structural Repairs and Miscellaneous Modifications**

Mr. Koudjo Amouzou presented this request seeking a recommended approval from the Capital Committee to present this Contract No. MR 2859-000-001/6, On Call Structural Repairs and Miscellaneous Modifications to the full MDTA Board at its next scheduled meeting.

The work to be performed under this contract may be required on any portion (bridge, tunnel, highway, building, and all appurtenances) of any of the Authority's facilities. The scope of work includes providing labor, equipment, materials, etc. necessary to perform miscellaneous structural, concrete, and other types of repairs, upgrades, replacements, and new construction as directed by the Engineer. The work may include but is not limited to the following:

1. Concrete repairs and replacement to Authority structures, piers, pier caps, abutments, bridge decks, sidewalks, and other concrete components of bridges, roadway features, vent buildings and tunnels.
2. Jacking bridge steel beams under traffic load and repairing concrete pedestals and restoring bearings on piers and abutments.
3. Repair damaged concrete toll islands, and other concrete components of toll plaza structures.
4. Provide Maintenance of Traffic.
5. Concrete and steel repair of signs and high mast light poles.
6. Crack repairs in concrete by pressure injecting epoxy.
7. Repair and replacement of Authority structures, bridge piers, pier caps, pedestals, abutments, and barriers.
8. Repair or replace bridge beams, girders, and other structural members.
9. Repair or replace damaged bridge fender systems and/or dolphins.
10. Repair or replace concrete or other types of slope protections at bridge piers and abutments.

11. Repair or replace damaged structures, including but not limited to toll booths, canopies, and concrete toll islands.
12. Miscellaneous repairs, enhancements and modifications, which may be security related or potentially emergency related.
13. Construction, repair, or replacement of retaining and noise walls.
14. Repair piers in water and install pile protective devices.
15. Placement of riprap, grout filled bag, and other methods of scour protection.
16. Providing access for repairs to Authority structures components, including but not limited to suspension cables, suspender ropes, truss members, other superstructure and substructure elements, etc.
17. Repair and replacement of suspension cables, cable wrappings, suspender ropes, and other cable components.
18. Repair, replace, or install various drainage systems, including joint seals, troughs, pipes, under drains, downspouts, etc.
19. Cleaning and painting of various structures components, including lead abatement.
20. Installation, repair, and maintenance of various electronic systems that are part and parcel to structures preservation.
21. Construction, repair, or upgrade to various highway components that are part and parcel to structures repairs or replacement, including but not limited to roadway, signs, sign structures, lights, light poles, guardrails, impact attenuators, travel plazas, etc.
22. Trouble shooting and repairing structural, mechanical and electrical components. in movable span bridges and tunnel ventilation buildings.
23. Trouble shooting and repairing electrical control systems for movable span bridges, weigh scales, and tunnel ventilation buildings.
24. Working in conjunction with engineering consultants, fabricators, and suppliers to design and construct major and complex upgrades to electrical, mechanical, and structural drawbridge, tunnel ventilation and pump room components, toll plaza and weigh station scales.
25. Construction, fabrication, repair, replacement, or installation of toll gantry structural components.
26. Perform preservation activities for Authority structures that are part and parcel to repairs.
27. Perform repairs or replacements of storm water management and drainage structures.
28. Performing roadside slope stabilization and repair, including the installation of support structures.
29. Installation of foundation items, such as piles, test piles, drilled systems, etc.
30. Installing various instrumentation and measuring devices, including performing load tests on structures elements.

This Contract includes \$3,910,000.00 in allowance items which consists of \$230,000.00 for Reimbursable Railroad Permit Expenses, \$1,610,000.00 for Materials for Structural Repairs, \$920,000.00 for Specialized Equipment for Structural Repairs and \$1,150,000.00 for Specialized Subcontractors. These allowance items will only be used if necessary and will not be used without prior approval of the Construction Manager.

This project was advertised on December 10, 2014. Four (4) bids were received on January 13, 2015. The responsive bid results were as follows:

<b>Contractor</b>	<b>Bid Amount</b>	<b>% Variance To Eng. Est.</b>
MBP Contracting Co., Inc.	\$11,681,680.00	(5.47%)
M.D. Miller t/a Marksmen	\$12,659,177.20	2.44%
Concrete General, Inc.	\$14,019,658.00	13.45%
Marine Technologies	\$14,086,855.00	14.00%

The Engineers Estimate for this project is \$12,357,075.00. It was noted that the low bid was 5.47% lower than the Engineer's Estimate. MBP Contracting Co., Inc. has performed work on prior MDTA projects. An analysis of the bid compared to the Engineer's Estimate was performed by the Division of Engineering and the low bid submitted by MBP Contracting Co., Inc., was determined to be acceptable. This project was advertised with a Minority Business Enterprise (MBE) participation goal of Nineteen Percent (19%) with no sub-goals. MBP Contracting Co. submitted a MBE plan that meets the goal. Notice-to-Proceed (NTP) for this Contract is anticipated in May, 2015. The contract term is One Thousand and Ninety-Five (1095) calendar days from Notice-To-Proceed.

After reviewing and discussing the differences between the Engineer's Estimate and the bid submitted by the recommended Contractor, upon a motion by Member Hellmann and seconded by Member Whitson, the Members unanimously recommended approval of this contract by the MDTA Board at its next scheduled meeting.

#### **Contract No. MA 2491-000-006 – On Call Electrical and ITS Repair and Service**

Mr. Bob Jordan presented this request seeking a recommended approval from the Capital Committee to present this Contract No. MA 2491-000-006, On Call Electrical and ITS Repair and Service to the full MDTA Board at its next scheduled meeting.

The Contract includes labor, equipment and materials necessary in performing miscellaneous electrical, ITS and other types of repairs, upgrades, replacements and new construction in an on-call or task-based manner. The scope of work includes but is not limited to: installation, repair, and maintenance of various electrical/electronic systems, such as Roadway lighting – especially underground, tunnel lighting, sign

lighting, automatic traffic counter/classifiers, highway advisory radios, tunnel fans, Curtis Creek drawbridge electrical work; general electrical repair or new installation; resetting of downed/fallen roadway lighting structures; locating and repairing of underground roadway lighting circuits; replace equipment control and service entrance equipment; and miscellaneous repairs, enhancements which may be security related or potentially emergency related.

The original Contract term was from March 28, 2012 through March 27, 2015, with a Not-to-Exceed amount of \$2,145,975.00; and included two (2) one (1) Year Renewal Options.

As of February 18, 2015, there were \$2,007,024.96 expended funds on this \$2,145,975.00 contract, leaving the contract balance of \$138,950.04.

This request is for recommended approval to exercise the first Contract renewal for a term of March 28, 2015 through March 27, 2016, or until the remaining funds are expended.

The overall Minority Business Enterprise (MBE) participation goal established for this Contract was Thirty Percent (30%). The Contractor has achieved 26.44% MBE compliance to date.

Upon a motion by Member Whitson and seconded by Member Hellmann, the Members unanimously recommended approval of this contract by the MDTA Board at its next scheduled meeting.

### **OPEN MEETINGS TRAINING ACT REQUIREMENT**

Ms. Kimberly Millender presented this request seeking a recommended approval from the Capital Committee to designate a member of MDTA staff to receive the required training under the Open Meetings Act ('OMA') and submit the designee to the Open Meetings Compliance Board in compliance with State law.

During the 2013 legislative session, the General Assembly adopted a new requirement that every public body as defined by the OMA designate at least one individual to receive certain required training. In accordance with that law, the Capital Committee designated Mr. Doug Hutcheson to serve as the designee for this requirement. With the retirement of Mr. Hutcheson, the Capital Committee must designate a new person to serve in this capacity.

Staff recommends that the following person be designated by the Capital Committee to receive the required training: Mr. Dan Williams. Upon the decision of the Capital Committee, confirmation will be sent to the Open Meetings Compliance Board of this replacement designee and Mr. Williams will have ninety (90) days to complete the required training.

Upon a motion by Member Hellmann and seconded by Member Whitson, the Members unanimously designated Dan Williams to receive training under the Open Meetings Act.

### **RENEWABLE ENERGY UPDATE**

Mr. Paul Truntich and Mr. Todd Coleman presented this update to the Capital Committee on the status of the Maryland Transportation Authority's (MDTA) renewable energy efforts.

In May 2013, the Office of Environment, Safety & Risk Management (OESRM) contracted with Maryland Environmental Service to conduct renewable energy assessments at each of the MDTA's main facilities. Primary renewable energy options that were evaluated at each MDTA facility included:

- Wind
- Solar Photovoltaics
- Solar Ventilation Panels
- Solar Hot Water Collectors
- Exterior Solar Lighting
- Ground Source Heat Pumps

One of the recommendations offered from the assessment was evaluating the potential of installing a wind turbine at the Francis Scott Key (FSK) campus. However, a detailed survey of wind patterns and sustained wind speed was necessary before any decision on installing a turbine can reasonably be made.

Utilizing a grant program from the Maryland Energy Agency, OESRM coordinated the installation of two anemometer towers at the FSK and Point Breeze facilities in December 2014. The towers measure 34 meters and 28 meters in height, respectively, and gauge wind speeds at different elevations along the installed tower, looking for the wind "sweet spot" which will provide the most consistent and reliable wind speeds for powering a turbine to generate consumable power. The actual wind gauging devices are industrial grade anemometers which collect grab samples of wind speeds throughout the day, on several height intervals, and relay the information to a database which compiles the long-term trends. That data, over a year, is calculated to generate an average wind speed and cross referenced to the promulgated standards from the Department of Energy (DOE) Wind and Water Technologies office in Washington, D.C., which, sets the industry accepted standards for wind turbine suitability in the United States. If the data supports the installation of a wind turbine at either or both locations, MDTA will start to evaluate engineering and fiscal considerations and potentially plan for the infrastructure in the future.

**CONTRACT NO. FT 2425 – BRIDGE DECK REHABILITATION AND EXPANSION  
JOINT MODIFICATIONS ON I-95 SOUTH OF THE FORT MCHENRY TUNNEL**

Mr. James Harkness and Mr. Neil Leary presented this update to the Capital Committee on the status of the contract and the upcoming work in 2015 for the Bridge Deck Rehabilitation and Expansion Joint Modifications on I-95 south of the Fort McHenry Tunnel.

This ongoing project, which began in March 2014, is performing deck rehabilitation (resurfacing) and expansion joint modifications to 28 bridges on mainline I-95 south of the Fort McHenry Tunnel in Baltimore City.

Ms. Kelly Melhem updated the Members on the aggressive outreach plan overview for the project.

- Media Outreach
  - Traffic Advisories & proactive pitches
  - Media Event week of March 23 with SHA for project & work-zone safety
- Targeted Post Card Mailings to Downtown Businesses
- Emails to *E-ZPass* customers, elected officials & stakeholder list
- Digital & Static Billboards
- Radio Spots
  - :15-:30 spots at peak drive times, including Baltimore Orioles Radio 105.7 & Sirius XM
- Digital Advertising (mobile, desktop and tablet)
  - I HEART radio, WBAL and Weather Channel
  - Digital networks to geo-target ads on traffic, news and weather sites & apps
- Social Media – Twitter #I95Bmore
- Web Site banners, construction pages, news updates, email alert sign-up & “living” PDF
- Posters for *E-ZPass* Stop-in Centers, libraries & local businesses
- Toll-lane Handouts
- Outreach Team at large employer/community events

**VIDEO TOLL AND CITATIONS PROJECT**

Ms. Deb Sharpless updated the Capital Committee on the issues and activities underway to support the implementation of the video toll and citation process approved in HB420. Activities include continued coordination with CCU to prepare for referrals, deploy final CCU module and initiate mailings giving fifteen (15) day notice of referral to CCU (non MVA eligible), began using revised court administrative process, initiated mailing giving 15 day notice of referral to MVA (in-state), initiated referrals to MVA (in-state), initiated mailing giving 15 day notice of referral to CCU (in-state MVA eligible), initiated referrals to CCU (in-state MVA eligible), and continue to issue referral notices for MVA and CCU until backlog is resolved.

There being no further business, the meeting of the MDTA Capital Committee was adjourned by general consensus at 11:05 a.m. following a motion by Chairman Calhoun and seconded by Member Hellmann..

The next meeting of the MDTA Capital Committee is scheduled for Thursday, April 2, 2015 at 9:00 a.m., at Point Breeze Headquarters, 2310 Broening Highway, Baltimore, Maryland.