

**MARYLAND TRANSPORTATION AUTHORITY
MONTHLY CAPITAL COMMITTEE MEETING
THURSDAY, APRIL 6, 2017
PT. BREEZE HEADQUARTERS BUILDING
BALTIMORE, MD**

OPEN SESSION

MEMBERS ATTENDING: William K. Hellmann, P.E. – Chairman
William H. Cox, Jr.
William Ensor, III
W. Lee Gaines, Jr.

STAFF ATTENDING: Kevin Reigrut
Dan Williams
James Harkness
Will Pines
John O’Neill
Meshelle Howard
Kim Millender, Esquire
Melissa Williams
Donna DiCerbo
Kerry Brandt
Lillian Sidrak
Chris Thompson

OTHERS: Liz Sogard, Stantec

At 9:00 a.m. the meeting of the Maryland Transportation Authority (MDTA) Capital Committee was called to order by Chairman Hellmann.

APPROVAL- OPEN SESSION MINUTES OF MARCH 13, 2017

Upon motion by Member Ensor and seconded by Member Cox, the Open Session meeting minutes of the Capital Committee’s Meeting held on March 13, 2017 were unanimously approved.

Member Hellmann recused himself and left the meeting for the approval of the following contracts.

APPROVAL CONTRACTS

Contract Nos. AE 3005-0000, AE 3006-0000 & AE 3007-0000 – Intelligent Transportation Systems and Electrical Engineering Services

Mr. James Harkness presented this request seeking a recommended approval from the Capital Committee to present Contract Nos. AE 3005-0000, AE 3006-0000 & AE 3007-0000 – Intelligent Transportation Systems and Electrical Engineering Services, to the full MDTA Board at its next scheduled meeting. Approval of these contracts is contingent upon the approval of the Transportation Professional Services Selection Board (TPSSB) and the Board of Public Works (BPW). The services to be performed under these Contracts are Intelligent Transportation Systems and Electrical Engineering Services for the Maryland Transportation Authority (MDTA).

The MDTA proposes to utilize Consultant services to perform design and consultation services related to the design, specification, construction, management, testing and implementation of Intelligent Transportation Systems (ITS) for the MDTA.

The Consultant shall provide the resources and expertise needed to perform ITS services to include but not be limited to the following general areas: design and preparation of contract documents, Request for Proposal's, Invitation for Bids and similar specifications and documents for the expansion or continuation of Intelligent Transportation Systems; preparation of plans, specifications, and estimates for any form of ITS the MDTA may develop; troubleshooting, and technical support for ITS; electrical and utility design associated with ITS work; roadway, tunnel, and other lighting analysis, calculations, and design (RP8 and RP22); attendance and participation at monthly, weekly, or as-needed progress and status meetings to include providing meeting minutes, general contract administration support and coordination services; review and comment upon design documents and policy documents, and detailed design documents; inspection of the physical installation, software, machine configuration, network configuration, and other related equipment; review of schedules, including CPM type schedules, for delays, changes, and other project impacts; review of operations manuals and guidelines and verification of compliance; review and verification of network security; participation in testing programs for all aspects of the ITS; analysis of proposed changes in operations or systems design for impacts, potentially unanticipated, to other components of operations and design; investigation of system design, business processes, and implementation issues to identify any needs for improvements or changes. Analysis of compliance with various codes including NEC, Life Safety, MDOSHA, and Fire Codes.

These three (3) task-based contracts will be cost plus fixed fee Contracts, valued at Five Million Dollars (\$5,000,000.00) each with a total Not-to-Exceed cost of Fifteen Million Dollars (\$15,000,000.00). The project was initially approved by Secretary of Transportation Pete K. Rahn on August 31, 2015.

The Minority Business Enterprise (MBE) participation goal for each contract is 34% with sub-goals of 6% for African American-Owned firms, 2% Hispanic American-Owned firms, and 9%

Women-Owned firms, and a 1% Veteran-Owned Small Business Enterprise (VSBE) participation goal. The prime contractors have submitted MBE and VSBE plans that meet the goals.

History from Solicitation of Interest:

- Advertised Expression Interest on December 11, 2015.
- Five (5) firms responded by submitting Expressions of Interest on January 13, 2016.
- Expressions of Interest were received and evaluated and all five (5) firms were placed on the Reduced Candidate List.
- The RFP was issued on June 16, 2016
- Technical Proposals were received on July 27, 2016 and evaluated and ranked.
- Debriefings were held with the non-selected firms.
- The Consultant Screening Committee requested and received approval from Executive Director Milt Chaffee on September 29, 2016 to Solicit Price Proposals from the top ranked firms.
- Price Proposals were received on January 10, 2017 and negotiations were held.
- Requested and received approval from Executive Director Kevin C. Reigrut on March 15, 2017 with respect to AE-3005-0000, AE-3006-0000, and AE-3007-0000 on the negotiated price proposals.

The firm selected for award of Contract No. AE 3005-0000 in the amount of \$5,000,000.00 is Jacobs Engineering Group, Inc. (the highest rated firm). Its sub-consultants are:

Glyndon Engineering and Technology Co. – MBE;
Integrated Control Systems, Inc.;
SQN Systems Corp – VSBE;
Kumi Construction Management Corporation – MBE;
Mercado Consultants, Inc. – MBE;
Plexus Installations, Inc. – MBE;
Skyline Network Engineering, LLC.;
Transtech Engineering Consultants, Inc. – MBE and;
Whitney, Bailey, Cox & Magnani, LLC

The recommended firm has committed to the established MBE goal and sub-goals and the VSBE goal.

The firm selected for award of Contract No. AE 3006-0000 in the amount of \$5,000,000.00 is Sabra, Wang & Associates, Inc./WSP Parsons Brinkerhoff – Joint Venture (the second highest rated firm). Its sub-consultants are:

Transtech Engineering Consultants, Inc. – MBE;
Weigand Associates, Inc. – MBE;
Kumi Construction Management Corporation – MBE;
Eborn Enterprises, Inc. – MBE:

Mercado Consultants, Inc. – MBE;
Academy Solutions Group, LLC – VSBE and;
Integrated Control Systems, Inc.

The recommended firm has committed to the established MBE goal and sub-goals and the VSBE goal.

The firm selected for award of Contract No. AE 3007-0000 in the amount of \$5,000,000.00 is AECOM Technical Services, Inc. (the third highest rated firm). Its sub-consultants are:

Johnson Mirmiran & Thompson;
GL Communications, Inc. – MBE;
Transtech Engineering Consultants, Inc. – MBE;
T3 Design Corporation – MBE;
Eborn Enterprises, Inc. – MBE;
Navarro & Wright Consulting Engineers, Inc. – MBE;
CS Consulting Engineers, Inc. – VSBE and;
Integrated Control Systems, Inc.

The recommended firm has committed to the established MBE goal and sub-goals and the VSBE goal.

Notice to Proceed (NTP) for these contracts is anticipated in June, 2017. The Contracts will be valid for a five (5) year period and include a provision authorizing an extension of one-third of the original base term in accordance with BPW Advisory 1995-1.

Upon a motion by Member Gaines and seconded by Member Cox, the Members unanimously recommended approval of the contracts by the MDTA Board at its next scheduled meeting.

Member Hellman rejoined the meeting.

Contract No. MR 3009-0000 – Facility Wide Culvert and Pipe Rehabilitation – Phase II

Ms. Lillian Sidrak presented this request seeking a recommended approval from the Capital Committee to present Contract No. MR 3009-0000 – Facility Wide Culvert and Pipe Rehabilitation – Phase II, to the full MDTA Board at its next scheduled meeting.

The work under this Contract includes the structural and environmental rehabilitation of 27 steel and concrete pipe culverts beneath the roadways along various MDTA facilities located in Anne Arundel, Baltimore, Cecil, Harford, Montgomery Counties, and Baltimore City. Such rehabilitation is in accordance with the latest MDE requirements. This work will involve placement of grout, concrete, steel plating and reinforcement, installation of trees, rip rap, and other mandatory repairs as required. This work shall include but not be limited to all labor, equipment, materials, etc. necessary to perform the general repairs of the pipe culverts as per the plans and as directed by the Engineer.

There is an Allowance of \$100,000 for Miscellaneous Structural Repairs included in the Invitation for Bids (IFB). This allowance will only be used if necessary and with prior approval of the Engineer.

This project was advertised on December 16, 2016. Four (4) Bids were received on February 2, 2017. One (1) bid was determined nonresponsive and was rejected with the concurrence of Legal Counsel. The responsive and responsible Bid results were as follows:

<u>Contractor</u>	<u>Bid Amount</u>	<u>% Variance To Eng. Est.</u>
Proshot Concrete, Inc.	\$1,280,500.00	(2%)
MTI Construction, Inc.	\$1,986,151.00	52%
Coastal Gunitite Construction Co.	\$3,394,000.00	159%

The Engineer's Estimate for this project was \$1,309,642.00. It was noted that the low bid was 2% below the Engineer's Estimate. Proshot Concrete, Inc. is the lowest responsive and responsible bidder and is therefore recommended for award to the full Authority. An analysis of the bid compared to the Engineer's Estimate was performed by the Division of Engineering and the low bid submitted by Proshot Concrete, Inc. was determined to be fair and reasonable. This company has performed work on prior MDTA projects.

This project was advertised with an Overall Minority Business Enterprise (MBE) participation goal of 20% with no sub-goals. Proshot has submitted an MBE plan that exceeds the goal. Notice-to-Proceed (NTP) for this Contract is anticipated in June, 2017. The Contract will be valid for 445 calendar days.

After reviewing and discussing the differences between the Engineer's Estimate and the bid submitted by the recommended Contractor, upon motion by Member Ensor and seconded by Member Cox, the Members unanimously recommended approval of these contracts by the MDTA Board at its next scheduled meeting.

Contract Nos: KB 2837-0000, KB 3009-0000 and KB 3010-0000 – Mechanical, Electrical and Structural Rehabilitation of Bridge on I-695 Over Curtis Creek

Mr. Will Pines presented this request seeking a recommended approval from the Capital Committee to present Contract Nos. KB 2837-0000, KB 3009-0000 and KB 3010-0000 – Mechanical, Electrical and Structural Rehabilitation of Bridge on I-695 Over Curtis Creek, to the full MDTA Board at its next scheduled meeting and to receive approval for Contract No. KB 3009-0000 and to receive approval to negotiate a Guaranteed Maximum Price (GMP) for Contract No. KB 3010-0000 in a determined not-to-exceed amount.

For this project, the MDTA for the first time pursued a new project delivery method called Construction Management at Risk (CMAR) under which the work and services were procured. The original RFP was advertised on April 5, 2016 and two (2) proposals were received on May 24, 2016. After a thorough evaluation, the project was awarded for preconstruction services to Cianbro Corporation on October 27, 2016 under Contract No. KB-2837 (Phase I) in the amount of \$376,120.00.

After the initial award for contract preconstruction services, the project has two additional stages to secure long lead time materials and then actual construction. Cianbro has the option to provide bids on the two additional phases of work and negotiate a Guaranteed Maximum Price (GMP) for each phase.

Phase II under Contract No. KB-3009 is to secure the long lead time materials for the mechanical and electrical rehabilitation of the Curtis Creek Bridge. The scope of work includes providing labor, equipment, materials, storage, shipping, etc. necessary to purchase, fabricate, manufacture, test, etc. the mechanical and electrical components such as, differential speed reducers, planetary speed reducers, planetary speed reducers output shaft coupling, main pinion shaft forging, floating shaft forging, floating shaft couplings, bearing forging, bronze bushings for bearings motor coupling, motor brakes, machinery brakes, motors and motor drives, and provide testing and maintenance until installed.

For Phase II, Contract No. KB-3009, Cianbro submitted a GMP price proposal on March 1, 2017.

<u>Contractor</u>	<u>Bid Amount</u>	<u>% Variance To Eng. Est.</u>
Cianbro Corp	\$4,197,716.64	(2%)

The Engineers Estimate for this project is \$4,290,000.00.

Phase III will be to provide the actual construction services of the equipment listed above and other repairs at the bascule span, structural steel and concrete repairs and drainage system upgrades at the approach spans as well as architectural repairs at the bridge tender house under Contract No. KB-3010. Based on our design progression with Cianbro to date, we have estimated the cost of construction services for Phase III to be \$15,500,000. Therefore, the overall estimated project costs are as follows:

<u>Phase</u>	<u>Project Cost</u>
KB-2837 (Phase I)	\$ 376,120.00
KB-3009 (Phase II)	\$ 4,197,716.64
<u>KB-3010 (Phase III)</u>	<u>\$15,500,000.00</u>
Total	\$20,073,836.64

We are seeking the Board's approval for the KB-3009 (Phase II) GMP and KB 3010 (Phase III) for the not-to-exceed amount of \$15,500,000. The additional amount requested for approval is

\$19,697,716.64 (Phase II and III) for a project grand total of \$20,073,836.64 (Phases I, II and III).

ANALYSIS for KB-3009

The Contractor's submitted Guaranteed Maximum Price (GMP) is within two (2) percent of the Engineer's Estimate. Therefore, a bid justification is not required for this bid. Additionally, the CMAR process utilizes an Independent Cost Estimator (ICE), and we and the ICE reviewed the Contractor's bid in detail and determined that it is fair, balanced, and reasonable.

The MBE goal for KB 3009 (Phase II) is 0% due to the specialty equipment being procured under this contract and the limited specialty fabricators available to manufacture the equipment.

ANALYSIS for KB-3010

The design plans for KB 3010 are approximately at 60% completion level. They include additional mechanical and electrical work at the bascule span such as center lock and tail lock machinery rehabilitation, replacing limit switches, sump pumps, panelboards, lighting system, wiring and conduit system, installing backup emergency generator, concrete and steel repairs, roadway joint modification at the approach spans, and architectural repairs at the bridge tender house. A Guaranteed Maximum Price (GMP) for Phase III will be negotiated up to a not-to-exceed amount of \$15,500,000.

The MBE goal for KB 3010 (Phase III) will be determined by the Procurement Review Group (PRG) after design is complete.

Upon a motion by Member Gaines and seconded by Member Cox, the Members unanimously recommended approval of this contract by the MDTA Board at its next scheduled meeting for approval of Contract KB-3009 (Phase II) GMP and KB 3010 (Phase III) for the not-to-exceed amount of \$15,500,000. The additional amount requested for approval is \$19,697,716.64 (Phase II and III) for a project grand total of \$20,073,836.64 (Phases I, II and III)

BAY BRIDGE MASTER PLAN STUDY

Ms. Melissa Williams updated the Members on the Bay Bridge Master Plan Study which included the schedule, scope of work, and ongoing activities.

There being no further business, the meeting of the MDTA Capital Committee was adjourned by general consensus at 10:10 a.m. following a motion by Member Cox and seconded by Member Ensor.

The next meeting of the MDTA Capital Committee is scheduled for Thursday, May 4, 2017 at 9:00 a.m. at Point Breeze Headquarters, 2310 Broening Highway, Baltimore, Maryland.