



REQUEST FOR PROPOSALS (“RFP”)

SP 1-1 Project Description

CONTRACT NO: BB-2466-000-006

TITLE: Rewrapping, Dehumidification and Shielding of Main Cables and Anchorages

FACILITIES: William Preston Lane, Jr. Memorial Bridge (Bay Bridge)

COUNTY: Anne Arundel County and Queen Anne’s County

ADVERTISED: July 12, 2011

PRE-PROPOSAL MEETING: The pre-proposal conference will be open only to firms that have completed the Confidentiality Agreement. The date and time of this conference will be disclosed in the RFP.

SITE VISITS: To be disclosed in the RFP.

ALL QUESTIONS DUE: On or before September 9, 2011 at 4:00 p.m.

PROJECT CONTACT: Project Manager: Mr. Abey Tamrat at 410-537-7822
Contract Administration: Ms. Lisa Dunlap at 410-537-7807

PROPOSALS DUE: Noon, September 22, 2011, in the Bid Box, 2nd Floor of the Maryland Transportation Authority, 303 Authority Drive, Baltimore, MD 21222

CLASSIFICATION: Class I (\$30,000,001 - \$50,000,000)

CONTRACT TIME: 30 months for construction, 24 months for maintenance (4½-yr contract)

LIQUIDATED DAMAGES: Two Thousand dollars **(\$2,000.00)** per Calendar Day.

MINIMUM MBE GOALS: Overall goal 6%

BID DOCUMENTS: **A signed confidentiality agreement must be provided prior to receiving the RFP documents / disc.** Bid Documents can be obtained between 9:00am and 3:00pm, Monday through Friday, 2nd Floor of the Maryland Transportation Authority, 303 Authority Drive, Baltimore, MD 21222.

ONLINE: For security reasons, the RFP is not available online.



State of Maryland
Maryland Transportation Authority

REQUEST FOR PROPOSALS

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**Rewrapping, Dehumidification and Shielding
of Bay Bridge Main Cables and Anchorages**

SECTION 1. INTRODUCTION AND PROCUREMENT OBJECTIVE

A. Introduction

The Maryland Transportation Authority (“MDTA” or the “Authority”) is an agency of the State of Maryland, which finances, operates and maintains a system of toll facilities and other transportation services for public use and convenience. The MDTA is responsible for the operation and maintenance of the Fort McHenry Tunnel (FMT), the Baltimore Harbor Tunnel (BHT), the Francis Scott Key (FSK) Bridge, the Thomas J. Hatem (TJH) Memorial Bridge, the Governor Harry W. Nice (HWN) Memorial Bridge, the John F. Kennedy (JFK) Memorial Highway (the Millard E. Tydings (MET) Memorial Bridge), the William Preston Lane, Jr. (WPL) Memorial Bridge (Bay Bridge) and the Inter County Connector (ICC). The MDTA's source of funds is separate from Maryland's Transportation Trust Fund. It uses no tax dollars; all MDTA maintenance, operations and capital improvements are funded through toll revenues. The MDTA itself is a group of eight citizens – appointed by the Governor with the consent of the State Senate – who serves as the policy-setting, decision-making and governing body. The Secretary of Transportation serves as the Chairman of the MDTA. Acting on behalf of the Department of Transportation, the MDTA also finances and constructs capital projects to improve Maryland's transportation system, including terminal facilities at the Port of Baltimore and the Baltimore-Washington International Thurgood Marshall Airport.

This Request for Proposals (“RFP”) announcement is being used to solicit responses for the Rewrapping, Dehumidification and Shielding of Main Cables and Anchorages at the William Preston Lane, Jr. Memorial (Bay) Bridge.

B. General Description of the Project

The purpose of this project is multi-faceted and includes the rewinding, dehumidification and installation of security shielding at the main cables and anchorages of the Eastbound and Westbound Bay Bridges. The contractor will provide final design, construct, furnish, install, integrate, test, commission, maintain and warrant a dehumidification system, including monitoring and control, for the main cables and anchorages that conforms to the layout and performance criteria contained in the contract documents.

In addition, the scope of work includes, but is not limited to, the following items:

1. Eastbound Bay Bridge:
 - a. Provide access to the main cables and anchorage structures.
 - b. Perform cable band bolt tightening.



- c. Remove the existing main cable wrapping
 - d. Re-band the main cables at select locations
 - e. Rewrap the main cables.
 - f. Seal cable bands.
 - g. Seal cable saddles.
 - h. Furnish and install:
 - i. New backstay handropes and stanchions.
 - ii. New main cable security fences.
 - iii. New security shielding panels at select locations along the main cables.
(Security shielding panels shall be designed, fabricated, and tested by military-grade armor manufacturer.)
 - iv. New equipment platform and maintenance access at east approach deck truss span.
 - v. Replacement doors at the anchorages
 - i. Perform crack and spall repairs at anchorages
 - j. Install waterproofing at anchorage roofs.
 - k. Locally clean and paint the anchor bars and miscellaneous steel within the anchorages.
2. Westbound Bay Bridge:
- a. Provide access to the main cables and anchorage structures.
 - b. Perform cable band bolt tightening.
 - c. Remove the existing main cable wrapping
 - d. Wedge for main cable inspection at select locations
 - e. Repair broken main cable wires
 - f. Re-compact and Re-band the main cable
 - g. Rewrap the main cables.
 - h. Seal cable bands.
 - i. Seal cable saddles.
 - j. Furnish and install:



- i. New main cable security fences.
- ii. New security shielding panels at select locations along the main cables. (Security shielding panels shall be designed, fabricated, and tested by military-grade armor manufacturer.)
- iii. New anchorage dehumidification enclosures
- iv. New equipment platforms within the anchorages.
- v. Replacement doors at the anchorages
- vi. New longitudinal armored joints at the anchorages
- k. Perform crack and spall repairs at anchorages
- l. Install waterproofing at anchorage roofs.
- m. Locally clean and paint the exterior roadway girders and miscellaneous steel within the anchorages.
- n. Furnish, install, integrate, and test electrical power supply equipment, for upgrading service to the Westbound bridge.

Since this project is security sensitive, the MDTA requires a signed Confidentiality Agreement to be executed before the full RFP, including the plans and specifications, are disclosed to the potential Offerors. Refer to SP 1-1 for more details.