ITEM NO.                SUBJECT: Procurement of Steel Shell Moveable Concrete-Encased Barrier

COMMITTEE:     Operations & Maintenance

COMMITTEE MEETING DATE:  March 17, 2010

BOARD ACTION DATE:     April 21, 2010

PROPOSAL:  That the Board authorizes staff to negotiate a sole source procurement contract with the firm of Barrier Systems, Inc. (BSI) to manufacture, furnish and deliver 275 units of 24” galvanized steel shell QMB moveable, concrete-encased barrier for the replacement of portions of the existing concrete barrier at the Benjamin Franklin Bridge.

Amount: $656,550

Sole Source Supplier: Barrier Systems, Inc.
3333 Vaca Valley Parkway
Suite 800
Vaca Ville, California  95688

PURPOSE:  The steel shell barrier segments to be procured will partially replace the current concrete barrier wall system at the Camden and Philadelphia approach curves at the Benjamin Franklin Bridge. The new barrier segments consist of concrete encased sections surrounded by galvanized steel shell. The new barrier segments will retain the same profile, connecting pins and hinge system as the current barrier wall system. The replacements will improve the safety of the moveable barrier wall and result in cost-savings as well as increase productivity and efficiency in the wall system maintenance at the approach curves. Barrier Systems, Inc. is the sole manufacturer of the barrier segments which are compatible with the DRPA’s moveable barrier machine previously furnished by Barrier Systems, Inc., in 2000. Therefore, the barrier segment procurement is sole source.

BACKGROUND:  The current concrete barrier system is damaged in many areas due to vehicular collisions particularly at the bridge approach curves.
Concrete sections that have gouges and missing chunks cause excess wear on the barrier machine guidance wheels and other operating parts. The damaged concrete sections are frequently being replaced and repaired which also increases labor hours, monies spent on materials or replacement sections and risk of worker injury due to the location of the barrier at the approach curves and the necessary methods utilized to remove sections in live traffic. Safety is of concern when collisions occur at the barrier wall curves if pieces of the concrete become airborne. The new galvanized steel shell barrier is expected to increase safety and substantially decrease maintenance because less damage is likely to occur when the barrier is struck and less deterioration will occur due to weather. This decreases barrier wall and barrier machine repairs thereby increasing productivity, cost savings and efficiency. The steel shell barrier wall will also increase motorist safety at approach curves and improve barrier wall appearance and serviceability.

Due to the Sole Source nature of the procurement, BFB Operations staff has negotiated pricing with Barrier Systems, Inc. which includes the cost of the segments, freight and a buy-back deduction for existing concrete barrier no longer useful to DRPA. DRPA Purchasing and BFB Operations staff have reviewed Barrier Systems, Inc. cost proposal and find it reasonable. Therefore, staff recommends that a contract be awarded to Barrier Systems, Inc. in an amount not to exceed $656,550 to manufacture, furnish and deliver galvanized steel shell QMB moveable, concrete-encased barrier.

**SUMMARY:**

- **Amount:** $656,550
- **Source of Funds:** General Fund/Subject to Reimbursement by Future Bond Proceeds
- **Operating Budget:** N/A
- **Capital Project #:** BF1001
- **Master Plan Status:** Pending
- **Other Fund Sources:** N/A
- **Duration of Contract:** 180 Days
- **Other Parties Involved:** Barrier Systems, Inc.
RESOLUTION

RESOLVED: That the Board of Commissioners of the Delaware River Port Authority excepts the Proposal of Barrier Systems, Inc. to manufacture, furnish and deliver 24” galvanized steel shell QMB moveable, concrete-encased barrier segments, and that the proper officers of the Authority be and hereby are authorized to negotiate a contract with Barrier Systems Inc. for an amount not to exceed $656,550 as per the Summary Statement; and be it further

RESOLVED: The Chair, Vice Chair and the Chief Executive Officer must approve and are hereby authorized to approve and execute all necessary agreements, contracts, or other documents on behalf of the DRPA. If such agreements, contracts, or other documents have been approved by the Chairman, Vice Chair and Chief Executive Officer and if thereafter, either the Chair or Vice Chair is absent or unavailable, the remaining Officer may execute the said document(s) on behalf of DRPA along with the Chief Executive Officer. If both the Chair and Vice Chair are absent or unavailable, and if it is necessary to execute the said document(s) while they are absent or unavailable, then the Chief Executive Officer shall execute such documents on behalf of DRPA.

SUMMARY:
Amount: $656,650
Source of Funds: General Fund/Subject to Reimbursement By Future Bond Proceeds
Operating Budget: N/A
Capital Project #: BF1001
Master Plan Status: Pending
Other Fund Sources: N/A
Duration of Contract: 180 Days
Other Parties Involved: Barrier Systems, Inc.

TP/VPB/emo
Bridge Operations