



## ARLINGTON COUNTY, VIRGINIA

**County Board Agenda Item  
Meeting of July 21, 2012**

**DATE:** July 10, 2012

**SUBJECT:** Award of Contract for Foundation Stabilization and Crack Repairs in Bunk Rooms Section of Fire Station No. 2 located in Arlington, Virginia, Invitation to Bid Number 736 - 12.

**C. M. RECOMMENDATION:**

1. Approve the Award of Contract Number 736-12 in the amount of two hundred forty six thousand, nine hundred seventy five dollars (\$246,975.00) to Avon Corporation, and approve an allocation not to exceed thirty-seven thousand forty-six dollars and 25 cents (\$37,046.25) as a contingency for change orders, for a total contract authorization of two hundred eighty-four thousand twenty-one dollars and 25 cents (\$284,021.25).
2. Authorize the Purchasing Agent to execute the contract documents, subject to review of such documents by the County Attorney

**ISSUES:** County Board approval is needed to award this construction contract. There are no outstanding issues.

**SUMMARY:** Award of this contract will result in complete foundation stabilization and crack repairs in the bunk rooms sections of Fire Station No. 2, located at 4805 Wilson Blvd., Arlington, Virginia. Originally, damages to four bunk rooms of the station were due to continuous movement in the loose foundation soil. As a result of the August 23, 2011, earthquake, the damages have now extended to six bunk rooms and the front entrance of the truck bay. These repairs will stop all vertical and horizontal movement of the bunk room section of the building and prevent the continuous cracking of the walls. The existing cracked walls and foundation will be repaired and/or replaced with new. Special inspection will be conducted to determine that all safety requirements are met in completing the project.

**BACKGROUND:** Fire Station No.2 is a one story, three bay brick fire house, constructed approximately 15 years ago. The north-east side of the building was constructed as an addition to the existing firehouse. The underground storage tank for the existing fuel station was previously located at the north-east construction. The foundation was constructed on the disturbed soil after the storage tank was relocated. This poorly compacted soil has since been moving with the north-

County Manager:

*BMD/mjs*

County Attorney:

*[Signature]*

*JAM*

31.

Staff: Jacob Fayad, Department of Environmental Services

east section of the building moving along with it. The partial building movement caused foundation and wall cracks. Although the settling is gradual and poses no immediate safety risk, it requires constant monitoring, repairs, resealing of the building envelope, and will eventually lead to structural failure.

After extensive engineering studies, it was determined that the building was continuously moving and, without intervention will eventually collapse. The work needed to resolve this issue includes, but not limited to, the selective demolition and replacement of exterior and interior masonry walls, crack repairs in masonry walls, slab jacking of existing slab on grade floors, installation of new structural steel columns and base plates, roof drain relocation, exterior finish demolition and installation, selective roof coping removal and replacement, removal and replacement of exterior metal panels and windows, utility relocation and temporary connections, construction of helical pier and foundation stabilization brackets, excavation for the roof drain and foundation repair, concrete sidewalk demolition and installation, and painting as well as other work as indicated in the plans and specifications

**DISCUSSION:** Bids for foundation stabilization and crack repairs in bunk rooms section of Fire Station No. 2 located in Arlington, Virginia were opened on June 26, 2012, under Invitation to Bid number 736-12. Four bids were received:

1. Avon Corporation -----	\$246,975.00
2. N.A.A. Inc. -----	\$248,800.00
3. WEBCO LLC -----	\$323,996.00
4. Engineering Management Services, Inc. -----	\$350,000.00

Avon Corporation submitted the lowest responsive bid and was determined to be a responsible bidder. Therefore, it is recommended that the contract be awarded to Avon Corporation.

**FISCAL IMPACT:**

Funds are available from Emergency Infrastructure Bonds (317.43564) and Pay-As-You-Go (PAYG) funds (313.437405.43564.8441.0000.0000).