



**B**ailey's Crossroads Volunteer Fire Station No. 10 is a 16,000-square-foot four-bay fire station in Fairfax County, VA, which replaces a fire station that was severely damaged when its apparatus bay roof collapsed during the blizzard of February 2010. Rising up from the rubble, the new fire station is constructed on the existing station site and provides 20 bunks, living and dining accommodations, four apparatus bays (with two drive-through bays), administrative offices, a physical training room, a training classroom, and a dual-purpose tower for hose-drying and training.

The tight 1.2-acre site presented numerous challenges. The design was restricted by an existing 130-foot-tall communications monopole and associ-

ated support structures that remained intact and operational throughout the course of design and construction. Further, a major underground utility corridor combined with significant yard setbacks and landscape buffers to constrict all edges of the property and reduce the buildable area by nearly half to 0.69 acre. Finally, the client directed the architects to provide a single-story design solution. The resulting design is a highly efficient layout that utilizes every square foot of usable site area.

The building is targeting LEED Silver Certification. Sustainable design strategies include site selection, water use reduction, regional materials, recycled content materials, high solar-reflectance roofing materials and low VOC interior finishes.

**Official Project Name:** Fairfax County Fire and Rescue Station No. 10

**Project City/State:** Bailey's Crossroads, VA

**Date Completed:** July 1, 2014

**Fire Chief:** Richard R. Bowers Jr.

**Project Area (sq.ft.):** 16,676

**Total Cost:** \$5,500,000

**Cost Per Square Foot:** \$329

**Architect/Firm Name:** LeMay Erickson Willcox Architects

**Website:** lewarchitects.com

**Design Team:** LeMay Erickson Willcox Architects; **Civil Engineer:** Bowman

Consulting Group, Ltd.; **Structural Engineer:** Ehlert Bryan, Inc.; **MEP:** Global

Engineering Solutions, Inc.; **Peer Review/Commissioning:** Brinjac Engineering, Inc.;

**Cost Estimators:** Downey & Scott, LLC

