

The United States Army Corps of Engineers recently completed a 27 acre expansion to the Arlington National Cemetery known as the Millennium Project. The goal of the project was to increase the active life of the cemetery by creating an additional 27,282 interment locations.

This project marks the final development of land within the current boundaries of the cemetery. Due to the challenging topography of the land, this was the final phase to be completed. The \$81.8 million project included two ECO-SPAN precast concrete arch bridges. The larger bridge #1 is a twin-leaf Versa Series arch that spans 42-feet and carries Loop Road over a restored stream.

This arch was designed for up to 13.5-feet of earth cover and is supported by mechanically stabilizing earth (MSE) retaining walls with natural stone facing. The smaller bridge #2 is a single-leaf Versa Series arch with a 16-foot span and a 7-foot rise that crosses a small stream at the back of the expansion.

The bridges were built by Faddis Concrete Products and installed by Forrester Construction. Faddis cast the MSE wall that was set around the arch system. The stone was hand laid against the MSE wall on site.

The Arlington National Cemetery is visited annually by more than 4 million people and hosts up to 30 funerals a day. At this pace, the cemetery was projected to reach capacity by 2025. The expansion allowed for the growth of this national memorial and included extensive stream restoration, landscape design, retaining walls, perimeter fencing, and vehicle and pedestrian access roads and walkways, all carefully designed to honor the site's historic character. Shelters made of granite and concrete were also constructed for the expansion, along with new walkways, stainless-steel step railings, and stone gardens.

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# PRECAST CASE STUDY

PROJECT:  
ARLINGTON NATIONAL CEMETERY  
MILLENNIUM PROJECT

LOCATION:  
ARLINGTON, VA

PRECAST MANUFACTURER  
FADDIS CONCRETE PRODUCTS  
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