



UNITED STATES INSTITUTE OF PEACE

WASHINGTON, DC, USA

Project Scope: Engineering Professional Services for Physical Security

Size: 245,000 square-feet

Project Start: 2015

Project Completion: 2015

Client Reference:

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Project: The United States Institute of Peace occupies an iconic site on Washington DC's National Mall. As a venue for many high-profile conferences and lectures by world leaders, it is considered a target, either directly or indirectly, due to its location close to other potential targets. In 2015 Explora conducted detailed threat and blast analysis of the main site and the two historic buildings that form the campus. Mitigation work was performed for the buildings which will commence in the next few months to protect against a variety of threats.

Assignment: Performed a security and blast assessment study for the Institute building (originally completed in 2010, US \$112,400,000) and the Potomac Annex building Nos. 6 and 7 (historic construction, 1908) in accordance with "The Risk Management Process: An Interagency Security Committee Standard" (2013). The assessment comprised a risk analysis focusing on the evaluation of threats, vulnerabilities and impact of potential attacks, a comprehensive blast analysis of the structure and building envelope for the Institute and Potomac Annex buildings, including analysis of the loadbearing full-height feature curtain wall of the former.

Responsibilities: Co-ordinated the overall assessment process, including site visits to determine the in-situ conditions and perform 3D laser scanning of the buildings and surrounding landscape. Performed blast analysis of structural and building envelope (masonry and pre-cast concrete panels, glazing and curtain wall) elements. Developed a final report and provided recommendations for increasing the levels of security and protection.