

Trinity Stadium Rehabilitation

HAVERHILL, MASSACHUSETTS

SUBMITTED BY SIMPSON GUMPERTZ & HEGER, INC.—WALTHAM, MASSACHUSETTS

Trinity Stadium (formerly Haverhill Stadium), first opened in 1916, has a rich history spanning from its grandstand reconstruction in 1935-1937 as part of President Roosevelt's Works Progress Administration to the hosting of legendary sports greats, such as Babe Ruth and Lou Gehrig.

The grandstand experienced severe and widespread concrete deterioration due to nearly seventy years of exposure to weather, resulting in half of the stadium being removed from service approximately twenty years ago. In 2007, the City of Haverhill, Massachusetts, started planning the rehabilitation of the grandstand to restore full use of the stadium and extend its useful service-life.

Deterioration was predominantly due to cyclic freezing and thawing action. While some damage was severe and required repair or replacement, there was little to no damage in other locations. By repairing the deteriorated concrete and protecting the remaining concrete, the useful service-life of the grandstand was restored, while allowing the majority of the existing concrete to remain in place.

The rehabilitation program for the Trinity Stadium grandstand integrates various technical features to maximize preservation of the original fabric,



while also upgrading the structure with additional desired functions. The project not only included small-scale localized concrete repair, large-scale complete reconstruction, application of a new waterproofing membrane, and repair of the joints, but also incorporated the addition of an accessible seating area at the front of the grandstand.

The City of Haverhill undertook years of fund-raising to support the grandstand's rehabilitation. With 83 years of civic history, personality, and character, it is a special place deserving respect and appreciation. By undertaking a phased rehabilitation program; the city was able to accomplish the necessary repair work within budget, reopen portions that were previously closed due to the severe deterioration, and preserve the grandstand for years to come.

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OWNER

City of Haverhill

Haverhill, MA

PROJECT ENGINEER/DESIGNER

Simpson Gumpertz & Heger, Inc.

Waltham, MA

REPAIR CONTRACTOR

The Aulson Company LLC

Methuen, MA

MATERIALS SUPPLIERS/MANUFACTURERS

Sika Corporation

Lyndhurst, NJ

Willseal

Hudson, NH

