Application

40,000 cubic yards of Foam-Control® EPS22 Geofoam was used as a structural fill on a new railroad overpass embankment next to the Gary/Chicago International Airport in Gary, Indiana.

Project Details

As part of the Gary/Chicago International Airport’s planned runway expansion project, engineers needed to first alleviate the area roadway congestion. An increase in railroad use on the nearby rail line was causing traffic congestion along both Airport Road and Chicago Avenue. The resolution required a new two-span steel bridge over the tracks. With cars backing up along both Airport Road and Chicago Avenue in Gary, the bridge solution had to be completed quickly to avoid disruptions and allow the runway expansion to proceed.

The settlement time of conventional soil fill to build up the embankments on either side of the bridge was too long and unworkable with the airport’s critical path schedule. Seeking a faster solution, engineers turned to ACH Foam Technologies’ Foam-Control® EPS22 Geofoam, which is well known for its incredible compressive strength. To expedite construction, ACH Foam provided Geofoam from two different production facilities, which helped the contractor meet the demanding schedule.

In total, the contractor received and installed 400 truckloads of Foam-Control® Geofoam over a 10-week period and had both bridge embankments ready in plenty of time to advance the bridge construction schedule without complication.