



# PROJECT HIGHLIGHT

MNDOT STATE PROJECT 1302-23  
TH 61 CHISAGO COUNTY

## KEY PLAYERS

Owner: MNDOT

Prime: Valley Paving Inc.

Engineers: MNDOT  
Engineering Staff

Foam: Aerix Industries

Ready Mix: Aggerate  
Industries

## JOB FACTS

Density: 25 pcf

Strength: 50 psi min @ 28 days

Job Finished: June 2021

## CELLULAR CONCRETE USED AS GEOFOAM REPLACEMENT

Cellular Concrete Inc. was contacted by Valley Paving to see if they could use cellular concrete as a lightweight fill to replace the specified Geofoam blocks. We proposed to use a 25 pcf (wet density) cellular concrete for the 1100 yard project.

## CELLULAR CONCRETE ADVANTAGES

When comparing cellular concrete to Geofoam there are two main factors to keep in mind, density of product and strength. Cellular concrete is stronger than Geofoam but can not achieve as low of a density. Our 25 pcf (wet density) cellular concrete will reach around 20 pcf once fully cured, and will achieve around 60 psi at that density. Working with MNDOT that density was acceptable. The reason Valley Paving contacted us was the work site was very compact and the installation of the blocks was very labor intensive. We were able to compete on price and our product included installation. We were able to complete the project in three days.

