

# CASE STUDY

## Noise Reduction



### Project Specs

**Location:** Sturgis, Michigan  
**Application:** Sound Barrier Wall  
**Product:** Soundscape™ Soundwalls

### Overview

Sturgis Iron and Metal is a metal processing and recycling company headquartered in Sturgis, Michigan. They currently have a facility in Elkhart, Indiana that consists of a giant metal shredder used to recycle the metal from items such as cars that have been junk yarded.



### Problem

Sturgis contacted Acoustical Solutions, Inc. initially in July 2006 to help resolve industrial noise and site concerns stemming from the facility's close proximity to a residential community. Sturgis was concerned with noise created by the metal shredder and sound arising from the activity of heavy equipment. Also, environmental conditions in Elkhart can be particularly harsh at times; therefore Acoustical Solutions was asked to provide a sound barrier wall that could withstand decades of freeze-thaw conditions while remaining architecturally appealing to the surrounding neighbors.



### Solution

Acoustical Solutions recommended the SoundScape Wall System to meet the Sturgis Iron and Metal project requirements. The wall system is lightweight and required no heavy craning, making installation fairly easy when compared to other wall systems. The SoundScape Wall System was able to create a noise environment that was appealing to the surrounding neighbors. The wall's composite nature is able to withstand the harsh freezing temperatures of Elkhart, Indiana.



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