

## Product Spotlight



Shoreline eaten by erosion.



Deadman anchors placed at 5' intervals.



Shoreguard's versatility includes straight, curved and angled walls.



**Project:** Sucks Lake Vinyl Seawall Construction  
**Location:** Grand Island, Nebraska  
**Application/Solution:** Shoreline Stabilization using Vinyl Sheet Piling  
**Market Sector:** Municipal

**Installed:** July 2014  
**Products:** Shoreguard S225 Clay 6' sheet, 12'x3/4" Galvanized All Thread Rods, DS75 Erosion Control Blanket  
[Click Here for Case Study](#)

### Project Scope:

Sucks Lake Park (a 13 acre site) has numerous picnic areas and playground equipment for children. One of the most scenic hike/bike trails in the city runs through the park and encircles a small fishing lake. After years of foot traffic and wave action, the banks of the lake became eroded. An enjoyable public attraction for families had become an eyesore.

### Product Description/Benefits:

The City of Grand Island had constructed a seawall 15 years ago on a similar lake and it has performed well. They used a vinyl sheet piling then and wanted to use the same product now. Inland Marine Construction from Nebraska City was contracted to clean up the banks of Sucks Lake and install the seawall. The product of choice was Crane Materials International's Shoreguard Vinyl Sheet Piling.

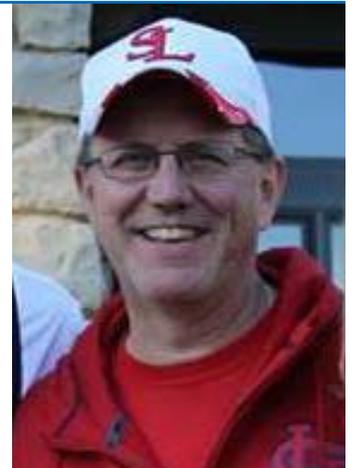
### Conclusion/Result:

With 3' from the bottom of the lake to the top elevation of the wall, it was essential to embed another 3' in the ground. The sheets were driven with a mini excavator and a vibratory plate. A 6' sheet was chosen with 3/4"x12" all thread tie rods that went directly through the top cap system back into the soil to a deadman anchor. This gives the wall stability from the pressures of the soil and keeps it from leaning forward. The rods were spaced at 5' intervals to keep the wall from bowing under the pressure. The result is a straight wall with no deformations that the community can enjoy. The City of Grand Island is very pleased with the project and is now budgeting for the other side of the lake which they hope to complete in 2016.

## Editor's View

# Construction is Important to everyone!

After reviewing the internet for a look at current construction spending, 2015 promising, not only for us but for the economy as a whole. According to FMI's "Construction Outlook", "Construction put in place represents nearly 7% of GDP". Construction spending is growing at an average 5% rate for a total of \$1.012 billion in 2015. The increase is significantly lower than last quarter's increase but the highest total for construction put in place since 2008". Imagine if our transportation funding was more solid!! Our Missouri DOT partners are in dire need of funding for sure. If you live in Missouri, please vote if it comes on the ballot, for increased gas tax, sales tax, whatever it is. Our current funding level cannot even maintain the roads we currently have on the ground, much less fund additional infrastructure spending. Eventually, even non-construction businesses will feel the effects when our tourism falls off, people don't want to drive through our state, and businesses relocate because of the issues with our transportation system. If you are outside of Missouri, continue to support transportation funding. It supports jobs and keeps our roads safe and are cars in better condition.



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