



NUGENT SAND & GRAVEL BARGE UNLOADING HOPPER

CASE STUDY

polydeck.com



CHALLENGE

A Kentucky sand and gravel producer brings barges of sand or gravel from dredges operating on the Ohio River to a central site where they unload the barges in this hopper and feed it into a processing plant. In the process of unloading 15 to 20 barges per day, the hopper was subjected to a lot of wear and tear and required regular repairs which usually consisted of welding in patches of AR plate. Several years of repairs left layer after layer of the AR plate and razor-sharp edges. In addition, the constant repairs resulted in downtime and inefficiency.



** Image shows customers' wear areas before Polydeck PROTEX RL*



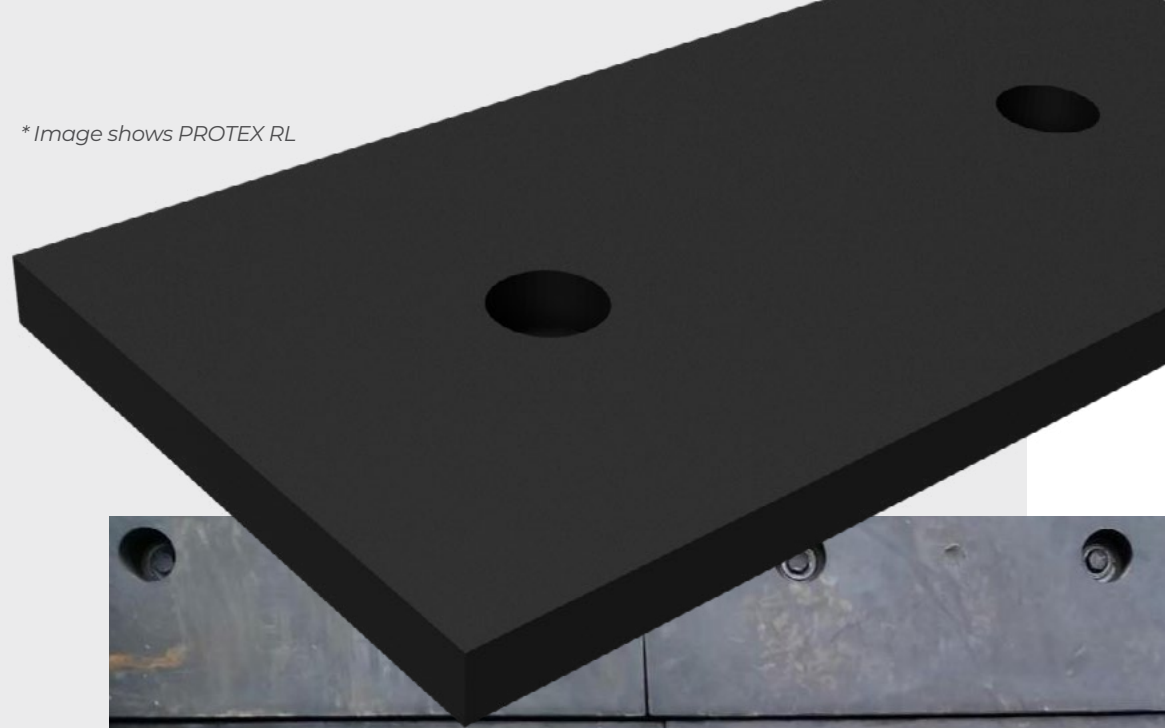
SOLUTION

Polydeck suggested using 2" thick rubber liners also known as PROTEX RL. While the liners come in 1x1 and 1X2 modules, custom cuts can be made quickly and easily onsite.

DID YOU KNOW?

PROTEX RL is the easiest, quickest and safest way to help protect feed chutes, feed boxes, discharge lips, transfer points, or any similar location that needs to be protected without welding or cutting.

**Image shows PROTEX RL*



**Polydeck's PROTEX RL being installed in hopper to prevent further wear and tear*



RESULTS

The customer was worried about the wear life and initially inspected the hopper on a weekly basis. Weekly became monthly and now the customer does not remember when they looked at it last. Since then, the customer has covered literally every wear spot in their plant with Polydeck's PROTEX RL. They have even rebuilt some chutes and designed them to be the exact dimensions to fit our standard liners.

** Image shows newly installed Polydeck PROTEX RL*



