SPS Bridge Decks

VALUE-ENGINEERED BRIDGE REHABILITATION SOLUTIONS

bigrbridge.com
The new standard for bridge deck replacement.

Same performance as concrete with a lighter weight and lower life cycle cost.

SPS (Sandwich Plate System) is a structural composite material made up of two metal plates bonded with a polyurethane elastomer core. SPS delivers high strength and stiffness making it an excellent alternative for bridge deck rehabilitation.

SPS bridge deck panels offer a new way of extending the life of deficient bridges by reducing the dead load by 75% – allowing the superstructure to carry significantly greater live loads without additional strengthening. Designers and planners can now get more out of shrinking infrastructure budgets.

- Up to 75% lighter than traditional concrete decks
- No construction delays from curing concrete
- Deck panels have immediate load carrying capacity
- Works compositely with bridge superstructure
- Compatible with conventional wearing surfaces
- Crowns, super-elevations and skews can be accommodated
- Polyurethane elastomer core formulated by BASF
- Proven history in numerous applications
Extend the service life of historic bridges at a fraction of the total replacement cost with lightweight SPS Bridge Decks.
Big R Bridge is a national leader in developing engineered infrastructure solutions.

Call toll free in North America 1-800-234-0734 or visit bigrbridge.com for more information.