



DIXIE DIAMOND CASE STUDY

Pushing the Limits: A Fully Customized Blade Solution

When Concrete Cutting & Breaking (CC&B Co.) took on the Howard Frankland Bridge Replacement in Tampa Bay, they faced one of the most demanding concrete cutting projects in U.S. history. Standard solutions wouldn't cut it — they needed something purpose-built for the challenge.

That's when Dixie Diamond stepped in.



A Blade Designed for the Job

Working in collaboration with the customer's fabrication team in Grand Rapids, Michigan, Dixie Diamond engineered a fully customized 94" saw blade tailored specifically to the project's needs. Built to power through vertical diaphragm splits, pile cap sections, and heavily reinforced concrete, this blade delivered a level of performance that off-the-shelf options simply couldn't match.

Performance at Scale

- Diameter: 94"
- Application: Vertical diaphragm splits, pile cap sections, deep reinforced cuts
- Environment: Continuous heavy-duty cutting in reinforced bridge structures
- Result: Faster progress, unmatched durability, fewer blade changes

"Dixie Diamond blades performed beyond our expectations. From the 28" all the way up to the 94", their performance was impressive."

— Project Manager, CC&B



A Blade That Redefined What's Possible

Standing taller than most of the crew on-site, the 94" custom blade is more than just equipment — it's a testament to what tailored design, engineering, and partnership can achieve. It enabled crews to keep pace with the demolition of a 3-mile, \$973 million bridge replacement project, cutting through thousands of feet of reinforced concrete with precision and consistency.

When the job demands bigger, deeper, and tougher cutting solutions, Dixie Diamond delivers fully customized answers.

Ready to Push the Limits on Your Next Project?

Talk to a Dixie Diamond sales representative today to learn how our custom blades and engineered solutions can help you tackle your toughest jobs.