

Cutting Off the Cap, Severing the Tie Beam, & Cutting the Piling at the Mud Line Takes Only 30 Minutes per Bent

A major heavy highway road construction contractor, north of Dallas, Texas, needed to remove an existing bridge structure once the first phase of the bridge replacement project was opened to traffic. We cut the 30-inch pilings just below the pile cap and removed the pile cap as one piece. Next, by rigging the shearer vertically, the cutter was lowered 15 feet below the waterline and locked onto the tie beam. After making the 30-inch x 42-inch tie beam cut, the shearer was returned to the barge and rigged in the horizontal position to make the final two 42-inch cuts at the mud line, removing the remaining two pilings on the bent, including the severed tie beam. We averaged 20 cuts per day and completely finished removing the 21 bents in six days. When time is money, we are the best option for removing bridge pilings quickly and safely. We look forward to quoting your next piling removal project.



Positioning the Shearer for Tie Beam Cuts



<https://www.youtube.com/watch?v=ZyJNi6Z6O0o>



<https://youtu.be/fyiWocSKeal>

Experience Matters

Coastal was involved in the removal of a bridge support system removal project in Kentucky. The old steel structure was taken down by explosives, leaving only the concrete support structure base. Coastal's ability to cut the pilings at the mud line and then separate the bent into two sections by cutting the horizontal tie beams, made quick work of the demolition process. The vertical and horizontal 90-second cuts at each bent freed the structure for quick removal.