

The Challenge



Extended System: 430' (l) x 29' (w) x 16' (h)

BAYSHORE CONCRETE Products Corporation is a manufacturer and supplier of various precast and prestressed concrete structural materials. The Cape Charles, Virginia-based company had been using traditional curing methods involving manual tarping of their forms to retain the necessary temperature and humidity levels. The process of operating their boilers to produce and retain adequate amounts of steam resulted in tremendous annual fuel costs (over \$1.2 Million/year). Labor costs and safety concerns also presented an issue, as large crews were required to manually cover and uncover the forms. Bayshore sought a solution that would allow them to lower their annual fuel costs in addition to saving on labor.



Retracted System:
430 ft. long retracted to 92 ft.



Full overhead & side access to girder forms.

The Solution

Bayshore Concrete chose Chamtech's Rollcov-R™ retractable curing enclosures over the traditional, more expensive option of constructing a new clear span building. This solution would provide them with building-like protection at a fraction of the cost and footprint of standard permanent structures.



Protect forms & employees from the elements when preparing for the pour.

Project Results

- Compiled fuel data for the months of October and November showed a savings of approximately 20% in fuel consumption.
- Since implementing the Rollcov-R enclosure on their girder forms, crews have been able to remain working on days when they would not have been able to work before due to bad weather. The girder crew also appreciated being able to close the Rollcov-R system, sheltering them from cold and windy conditions.

"[The sales team] was a great help in the whole process, from getting the buildings designed to their final commissioning. Chamtech's service was timely, and the product is high quality, all of the parts went together without incident on site. Thank you for all of your hard work, excellent product, and service."

- William S. Harris, PE
Plant Manager



Traditional tarping method shown, which resulted in steam loss & rising fuel costs.

Panel Beds



Post Form Curing



Aggregate Storage



Strand Storage & General Warehousing



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