

PROJECT SPOTLIGHT

Finrock chosen for apartment parking structure

Following the recommendation of Miami Asset Management Co., Woods Partners selected Finrock DMC Inc. as design-builder for a \$10.8 million, five-level parking structure.

The structure is closed on three sides by apartments and, as such, is fully ventilated. Construction is scheduled to be completed in August 2008.

High builds its largest parking structure

High Concrete Group LLC has been selected to build the parking structure for the new Revel Entertainment Group LLC beachfront casino entertainment resort in Atlantic City, N.J., estimated to be \$2 billion.

With more than 7500 parking spaces, the 12-story project will be among the largest precast concrete parking structures on the East Coast.

High Concrete Group, based in Denver, Pa., was awarded the \$81 million contract by Tishman Construction Corp. The project, slated to open in 2010, is the largest ever for the architectural and structural precast concrete subcontractor, and it is two-and-a-half times the size of its next largest project, the Caesars Transportation Center, which opened in 2003.

The company is also producing parking structures for the Meadowlands Xanadu Entertainment Complex in East Rutherford, N.J.; Cooper University Hospital in Camden, N.J.; and Bergen Town Center in Bergen, N.J.



Florence, Bayshore team up for fast-track bridge project

The North Carolina Department of Transportation is replacing seven aging timber bridges along NC 12 on Ocracoke Island, a remote site on North Carolina's Outer Banks, with precast concrete bridges.

Due to funding restrictions and low traffic volume during the winter, it was decided to substantially replace all of the bridges during a single two-and-a-half-month road closure.

To allow construction within this time period, the bridges were designed almost entirely of precast concrete components. Six of the bridges will be replaced with prestressed American Association of State and Highway Transportation Officials (AASHTO) voided-slab structures. The seventh structure is being replaced with a pipe culvert.

Bayshore Concrete Products Corp. is fabricating the 240 prestressed voided-slab units and more than two hundred 12-in.- (300 mm) and 16-in.-diameter (400 mm) prestressed concrete piles required

for the project. Florence Concrete Products Inc. fabricated the precast concrete reinforced bent caps.

There is a substantial bonus for early completion, so the contractor, Carolina Bridge Company Inc., decided to cast the parapets onto the exterior voided-slab units at the prestressing plant. This will eliminate the field placement and grouting of 234 precast concrete parapet segments, substantially speeding construction.

Construction is scheduled to be completed in March 2008.



Opposite page An entire span for one of the six bridges for Ocracoke Island, N.C., is assembled at the plant for an alignment check and match marking.

Upper right Exterior slab units for precast concrete bridges on Ocracoke Island are shown immediately after removal from forms and before patching and finishing. This view shows the parapet, end block, and holes for the approach guardrail attachment.

Lower right The fabricating plant stages a mock erection of prestressed slab units for six bridges on Ocracoke Island.

Photos courtesy of Rob Larson of Alpha & Omega Group.