The American Bank Center Convention Center, formerly known as Bayfront Plaza Convention Center, underwent major expansion and renovation which was completed November 2004. New spaces were added and the remaining facilities have been renovated and redecorated to blend naturally with the new additions to the American Bank Center.

From sparkling glass to Texas limestone, the center's improved facilities are a pleasure to see and experience. The 76,000 sq. ft. of exhibit halls, two ballrooms, and 21 meeting rooms include:

- A large new, glass encased entrance with a circular drive for vehicle drop-off and a covered entrance just steps from the Corpus Christi Bay.
- The Grand Foyer Lobby with a magnificent view of the bay, centralized with easy access to all venues at the American Bank Center.
- The Bayview Ballroom, a new 20,000 sq. ft. ballroom, created with an outstanding 7,000 sq. ft. pre-function area that overlooks the Corpus Christi Bay from 20 feet above the ground floor.
- Seven new meeting rooms on the ground level, improved registration areas, easier access to the Selena Auditorium, new kitchens, improved escalators, elevators and stairways; and an impressive remodeling of the remaining spaces.
American Bank Center has been the location for Texas A&M University-Corpus Christi Commencements since it opened.