Austin-Bergstrom International Airport

Terminal Expansion | Austin, TX

Austin-Bergstrom International Airport

Brochure provided by: **Gensler**

About LEED

The **LEED Green Building Rating System** is the national benchmark for the design, construction, and operation of high-performance green buildings.

The Austin-Bergstrom International Airport Terminal Expansion is currently tracking LEED Silver for New Construction with:

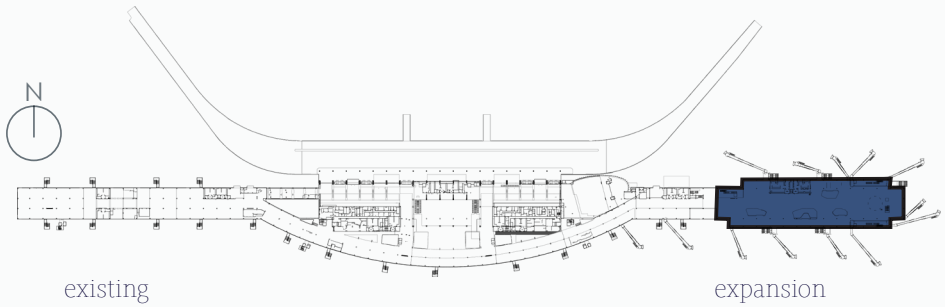
95% Construction Waste Diverted*

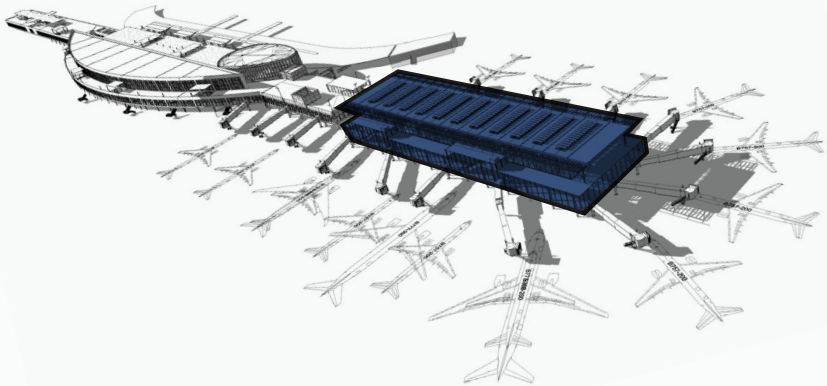
37% Water Use Reduction*

22% Energy Cost Savings*

Visit the U.S. Green Building Council's Web site at www.usgbc.org or www.usgbctexas.org to learn more about how you can make LEED work for you.

*LEED Certification is not yet awarded. Project is currently tracking at Silver.





Project Summary

The terminal expansion at Austin-Bergstrom International Airport will replace three existing gates, add nine new gates, and allow the airport to accommodate a projected 15 million additional travelers annually — a 36% increase over existing capacity. The project will also add capacity for more international flights, complete with a dual deplaning facility. AUS's terminal expansion proudly implements sustainable design principles aligning with LEED NC.

Project Size: 175,000 sf
Total Project Cost: $158,000,000
Photography By: Dror Baldinger

Owner: City of Austin Department of Aviation
Design Architect: Gensler
General Contractor: Hensel Phelps
Civil/Landside & Associate Architect: Sunland Group
MEP Engineer: Burns & McDonnell; Jose Guerra Associates
Structural Engineer: Architectural Engineers Collaborative
Civil/Airside Apron Engineer: RS&H
Lighting Designer: Fisher Marantz Stone
Landscape Architect: MWM Design Group
Associate Architect: Carter Design
Environmental Engineer: Baer Engineering, Inc.
Environmental & Civil Engineer: Doucet & Chan
Commissioning Agent: Jasmine Engineering
Baggage Handling: BNP Associates
IT/AV: Moye I.T. Consulting, LLC
Security: AECOM
PA Systems & Acoustics: BAi, LLC
Waterproofing: Engineered Exteriors, PLLC
Fire Life Safety/Code: Jensen Hughes
LEED Consultant for GC: Studio D

Setting The Standard

In addition to accommodating increased passenger capacity, AUS's goal is to set a new standard for the passenger experience. The two-story (with mezzanine) extension will provide 29,000 square feet of concessions, outbound baggage handling, airline offices, and additional passenger amenities — including a large outdoor observation deck and Austin's first interior pet relief space.

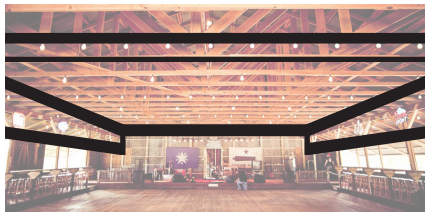
The expansion is comprised of bright and open areas, multiple seating area types, attractive concession spaces, deeper holding rooms, centralized all-inclusive restrooms, and modern, bright finishes. The design will also incorporate local art, utilize daylight and vistas, and upgrade infrastructure to meet or exceed ADA regulations.

Texas Dance Hall Influence

Using an expansive Texas dance hall as inspiration creates a retail boulevard-style concourse that gives functional elements plenty of room to breathe.

This influence creates an inviting first impression and extends an Austin-style welcome to new visitors as they enter the gates. The simple, yet elegant solution provides clear navigation and easy circulation that feels like a natural flow, adding a sense of calm for travelers.

Everyone is welcome in Austin.



The Tower

At the end of the terminal expansion, an iconic beacon visually pulls passengers through the concourse. This dramatic, circular two-level space was inspired by an iconic Austin element – the Moontower.

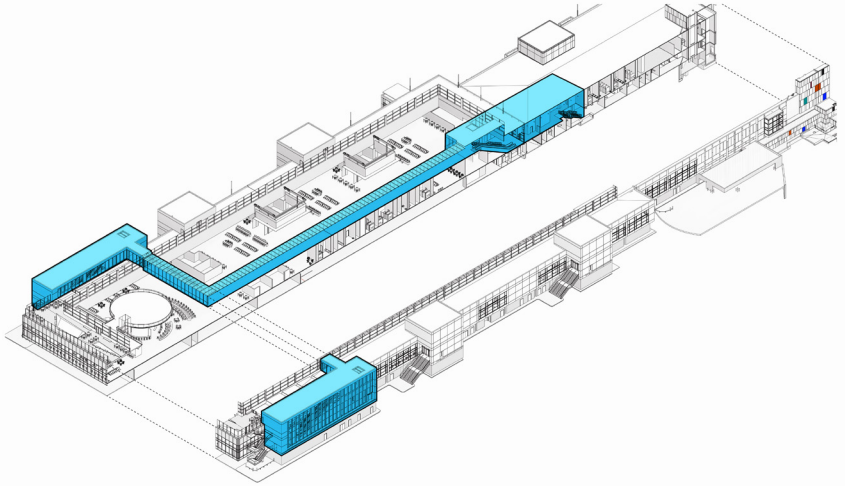
The Tower will be occupied by Parkside restaurant on the concourse level. The restaurant will be open to all ticketed passengers. The mezzanine level will house Delta's Sky Club Lounge, and will welcome Delta's premium passengers.

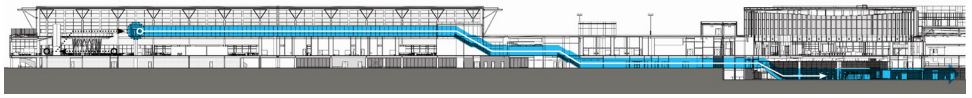
The East Terrace

Exterior identity for the terminal expansion is defined by a “front porch” element called the East Terrace. Austin’s outdoor culture inspired this unique amenity with bench seating, landscaping, and views of the runway.

International Secure Corridor

Arriving international guests will travel along a scenic, glass-lined, light-filled corridor overlooking the concourse and the bustle of activity 20 feet below, en route to the customs hall. This creates an experience very different from the typical basement corridor found in many airports, and serves as a great introduction to our city for foreign travelers.





LEED Solutions

SUSTAINABLE SITES – *This category addresses environmental concerns related to the building landscape, hardscape, and exterior building issues.*

- The project is located at a brownfield site.
- High-albedo roof material is used in the project.
- AUS provides alternative fueling stations for 3% of the parking capacity.
- Best management practices are used to remove total suspended solids from storm water runoff.
- A construction activity pollution prevention plan was implemented to prevent loss of soil during construction by storm water runoff and wind erosion.

WATER EFFICIENCY – *This category encourages the use of strategies and technologies that reduce the amount of potable water consumed in buildings.*

- Low water use plumbing fixtures in the new terminal reduce water use by more than 37%.

ENERGY & ATMOSPHERE – *This category promotes three kinds of activities: tracking building energy performance, managing refrigerants to eliminate CFC's, and using renewable energy.*

- Energy performance of the building results in 22% cost savings.
- All refrigerants shall have zero or low ozone depleting (ODP) and minimal direct global warming potential.
- Commissioning was incorporated early in the design process. Commissioning provides owners further oversight and verification that the building will meet their expectations and requirements beyond the first day of occupancy. Enhanced commissioning gives the Commissioning Agent the power to act as the owner's advocate by conducting in-depth reviews of the basis of design, design documents, and construction submittals.

MATERIALS & RESOURCES – *This category addresses the environmental concerns relating to material selection, waste disposal, and waste reduction.*

- 22% of total building materials by cost have been manufactured within 500 miles of the project site.
- 29% of the materials by cost used for construction contain recycled content.
- AUS developed and implemented a recycling program for paper, plastic, and metal. Please refer to AUS's sustainability report for recycling and composting information.

INDOOR ENVIRONMENTAL QUALITY – *This category addresses environmental concerns relating to indoor air quality, occupant health, safety, and comfort, and air contaminants management.*

- Low Volatile Organic Compound (VOC) paints, coating, adhesives and sealants were used throughout the project.
- All composite wood, Agrifiber products and laminate adhesives used in the building contain no added urea-formaldehyde resins.

INNOVATION IN DESIGN – *This category is to recognize projects for their innovative building features and sustainable building practices and strategies.*

- LED lighting is installed within the new terminal expansion space. There is no mercury content inside these LED lamps.
- The AUS facility is on 100% renewable energy under a current two year contract with Austin Energy. This energy comes from renewable energy generators registered with the Texas Public Utility Commission.
- AUS has developed a Green Building Education Program through this brochure, which can be downloaded from their website.