

## Project Profile

### Denver Detention Center | Denver, Colorado

Client	CSNA Architects
Project Value	\$120m
Services Provided	Cost Estimating
Project Size	448,222 sq ft
Owner	Colorado Department of Corrections



Renderings courtesy of OZ Architecture and Hartman-Cox Architects

#### Overview

The Denver Detention Center is part of the Downtown Justice Center Project and the first significant capital investment in Denver's criminal justice center since the completion of the City and County Building in 1931. In May of 2005, the Denver voters authorized \$378 million for design and construction of a Courthouse, Detention Facility, Post Office Building and renovations at the County Jail. The Detention Facility has an estimated 430,864 square feet that is designed to hold 1,500 pre-sentenced inmates and two arraignment courts. The construction of the project is to include a multi-custody jail facility for pre-sentenced individuals, divided into general populations, special management and medical areas, full food services, laundry and support functions. The project includes an intake, booking and release area that contains temporary holding cells and medical evaluation areas which is accessible by law enforcement vehicles, Denver's Sheriff's Department and medical staff; and a 77,520 square foot parking garage. A secured underground tunnel will connect the Detention Facility to the new Courthouse Building. The project is expected to be complete in the last quarter of 2009 with anticipation to obtain LEED accreditation.

**Our role**

Rider Levett Bucknall acted as the cost estimator for the project. We provided estimates of construction cost for all disciplines including architectural, structural, civil, and MEP services, to produce complete and comprehensive construction cost estimates along with reconciliation and value engineering services. Cost Consultancy services and reconciliation and a comparison of the CM/GC's estimates were provided during the Schematic Design and Development Design phases. Value Engineering services were provided during the Design Development Phase. Additionally, Rider Levett Bucknall also developed and maintained a list of cost saving ideas during design.

**Client benefits**

Throughout the design of the Detention Center, Rider Levett Bucknall provided numerous cost analyses for a wide range of construction options. This included comparing costs for various structural options, differing exterior wall materials, dorm-type verses multi-cell layouts and whether masonry, prefabricated steel or pre-cast concrete cells would be more cost effective.