



## Transportation Transit

### Client

City of Albuquerque

### Location

Albuquerque, NM, USA

## West Side Transit Facility Planning & Design

### Project Description

CH2M HILL's Vehicle Maintenance Facilities (VMF) Design Group provided facility programming and site planning, and is currently providing final design for a new bus operations and maintenance facility to serve the fastest growing segment of the City of Albuquerque. The new West Side Transit Facility will receive Compressed Natural Gas (CNG)-fueled buses and will serve as the central component repair facility for the entire system. The facility design process is phased to include various features, including the following:



- Site improvements
- CNG fueling
- Light maintenance and administration
- Operations
- Heavy maintenance
- Bus storage

The facility design handles services for a variety of buses for the City of Albuquerque, which include 30-foot, 40 foot, 45-foot, and 60-foot articulated buses in addition to various paratransit vehicles and support staff vehicles. The West Side Transit Facility consists of an operating garage for 125 buses and 35 paratransit vans and a park-and-ride facility for 160 cars. Due to the abrasive quality of the winds in the area, the facility includes indoor storage for the revenue fleet.

### CH2M HILL's responsibilities included:

- Existing operations analysis
- Programming functions and space planning for Albuquerque Transit's future fleet expansion
- Site planning
- Site and building layouts
- Equipment selection and shop layouts
- Construction cost estimates for alternatives
- Design criteria
- Preliminary and final construction documents
- Construction-phase services

The project is currently in the third of four design phases. This phase provides construction documents for the light maintenance part of the building and administration offices, fueling and washing operations along



with fare collection, money counting, and interior bus cleaning facilities. The facility design implements state-of-the-art maintenance equipment to serve their entire fleet.

### **Special Features:**

- Inspection Pits
- In-ground and above ground vehicle lifts
- Fluid dispensing system
- Body and paint facility
- Engine/transmission rebuild bays
- Support shops
- Bus interior cleaning facility
- Fueling facility (CNG, diesel) with fuel management system
- Wash facility with reclamation and spot-free system
- Undercarriage cleaning bay

### **Services Provided:**

- Facilities programming
- Preliminary and final design
- Shop layout
- Phased design and construction
- Alternative fuels expertise
- Construction administration and inspection services