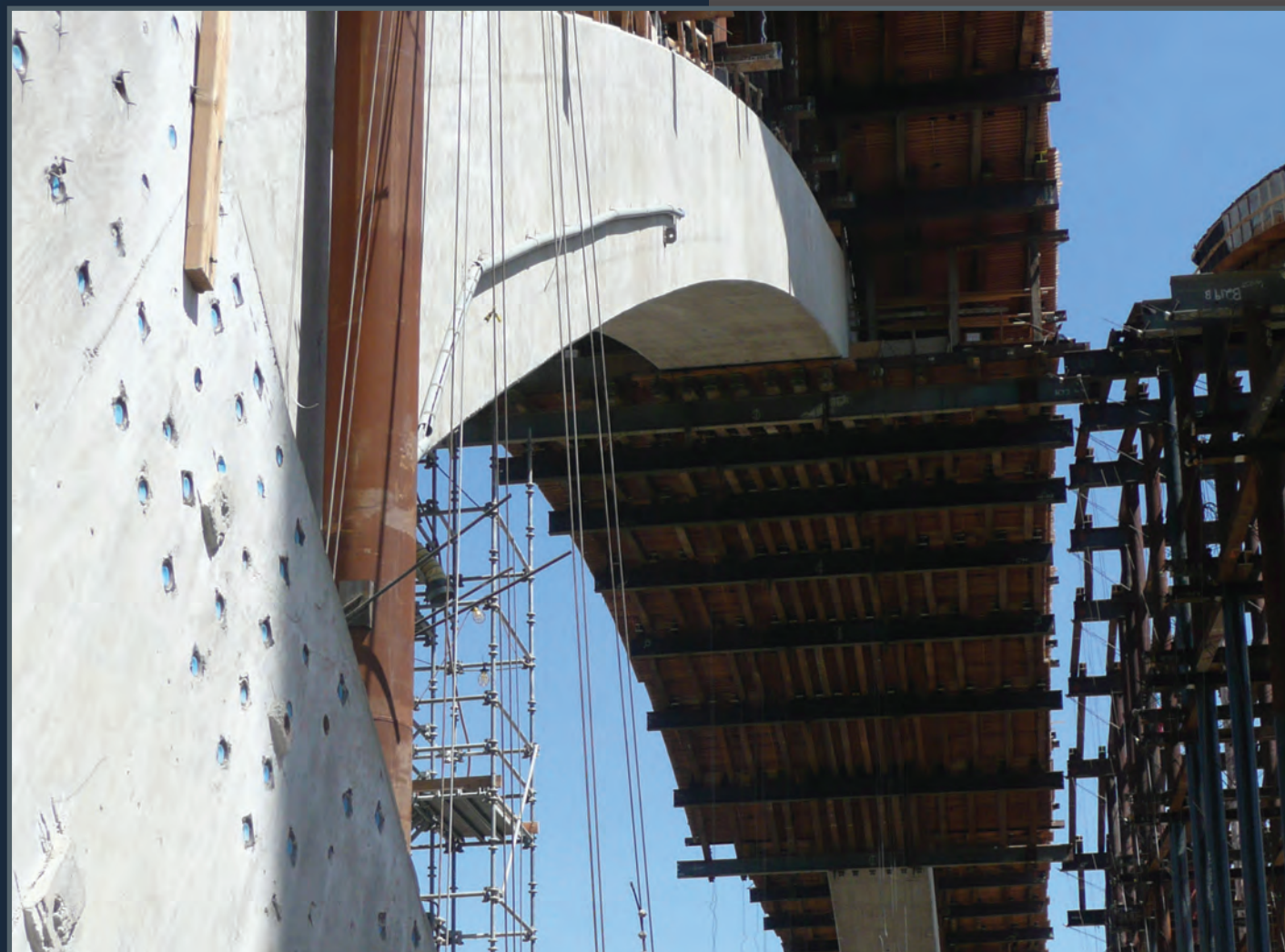
STRUCTURES FOR TRANSPORT

ADKO Engineering

- Bridge Design
- Rail Transit Stations Design
- Seismic Analysis & Retrofit Design
- Roadway Design
- Construction Management
- Planning & Project Development



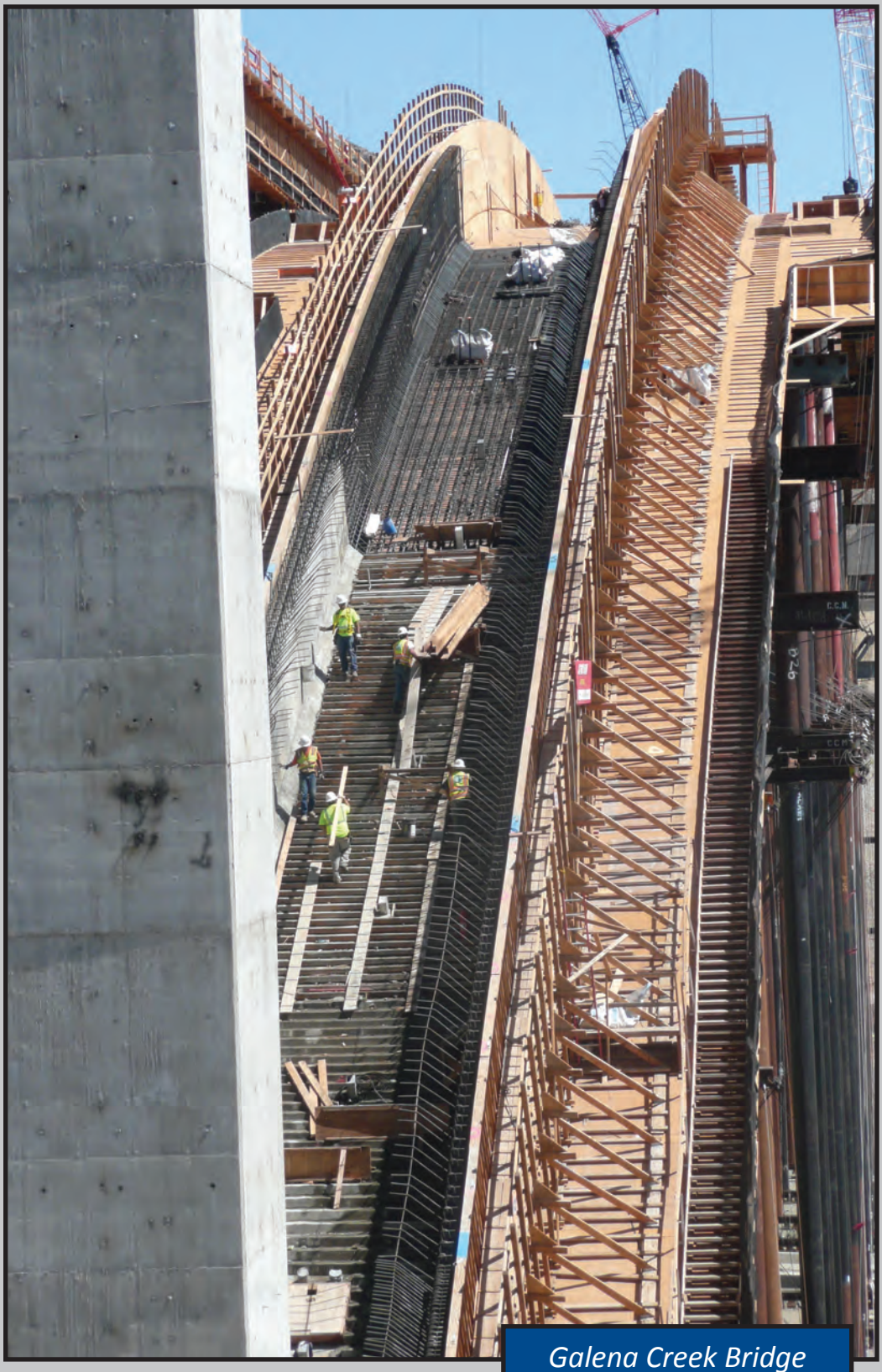
Yerba Buena Island
Bay Bridge

Bridges

ADKO Engineering Provided:

- Management, Design Development Conceptual and Preliminary Engineering for the Maybert Road Bridge & Hinton Overhead, Historic District.
- Seismic/wind analysis & retrofit recommendations for the Bear River Siphon Suspension Bridge.
- Seismic retrofit for the Carquinez Bridge Approach Deck.
- South Sacramento Corridor Phase 2 Project Deer Lake Drive & Valley Green Drive Pedestrian Bridges.
- Analysis & design of the Bay Bridge Yerba Buena Island Viaduct five space replacement project. Our innovative approach was to construct the bridge on false work system adjacent to the existing bay bridge and skidded in place once the five spans were demolished.
- Analysis & design of the Galena Creek Arch Bridge. Upon completion the bridge will be the largest concrete-arch bridge in the United States and the second largest in the world.
- Plans, Specifications and Estimate for Lewis Avenue Structural Steel Tied Arch Suspension Bridge.

ADKO Engineering



Galena Creek Bridge

Construction

To ADKO Engineering Construction Management is the process of professional management applied to a construction project for the purpose of managing time, cost, scope and quality.

ADKO's construction manager acts in a fiduciary role as the Owner's agent. The construction manager administers the construction contract and provide immediate resolution to construction constraints while representing the Owner's interest. These interest include timely completion of the project within budget and in comformance with the contract documents.

Our essence of good Construction Management is professionalism, teamwork CM technology and keeping the owner informed of all phases of the work throughout the project.

Service Capabilities

- ***Project Management***
- ***Contract Administration***
- ***Claims Management***
- ***Construction Survey***
- ***Partnering Project & Facilitation***
- ***CPM Scheduling***
- ***Value Engineering Analysis***
- ***Time, Cost & Quality Management***
- ***Materials Sampling & Testing***
- ***Quality Control Inspection***
- ***Construction & Biddability Review***
- ***Public Awareness Program***
- ***Construction Mitigation Monitoring***

ADKO Engineering

Stations Design

Rail Structures

ADKO Engineering is regarded as a Leader in rail transportation structures. From production of plans & specifications on major segment of the Sacramento Regional Transit Light Rail System to Seismic Retrofit Design for Rail Bridges, ADKO Engineering has a reputation for delivering cost effective designs on time and within budget.

Rail Projects

- ***South Sacramento Corridor Phase 2 Meadowview to Consumnes River College.***
- ***South Sacramento Corridor Phase 2: Morrison Creek, Franklin Blvd. and Center Parkway Stations.***
- ***Houston Metro South East Corridor***
- ***Sacramento Regional Transit DNA – MOS 1***
- ***Long Beach to Los Angeles Metro Blue Line***
- ***Norwalk to El Segundo Metro Green Line***

Barton Road

Roadway Design Services

Beginning with advance planning, field surveys and coordination the Project Manager leads the team through a multiplicity of technological, environmental and multi-jurisdictional challenges.

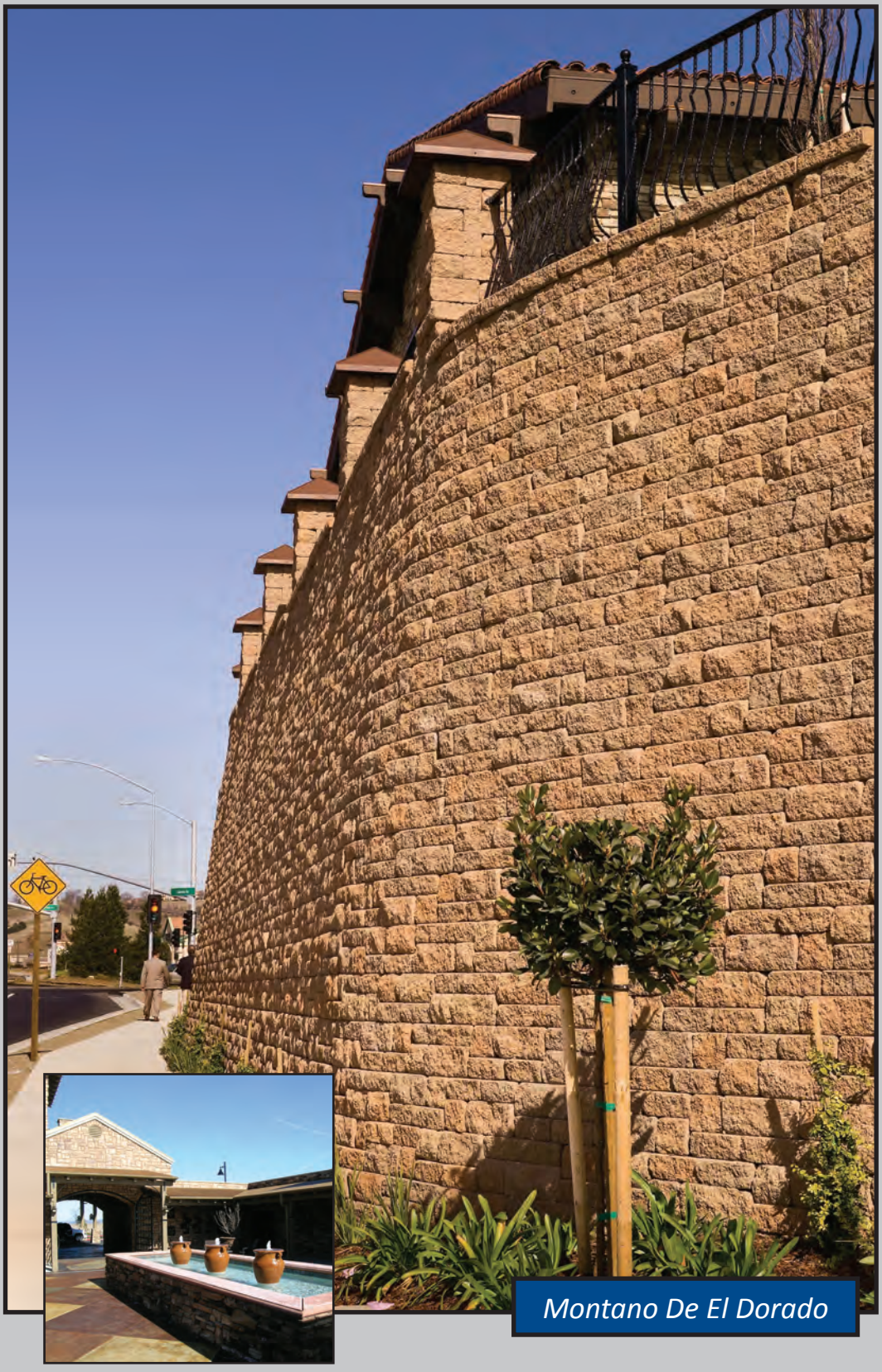
The reputation of ADKO Engineering, Inc. established since 2004 prides itself on innovation and its highly experienced staff. The qualities which distinguish ADKO Engineering, Inc. are found in its hard working staff who bring talent, depth and experience to every client served.

Count on ADKO Enginerring, Inc. to help you make the most of your world.

Service Capabilities

- *Design Layout Development*
- *Grading and Drainage*
- *Traffic Control & Safety*
- *Sound & Retaining Walls*
- *Roadway Profiles*
- *Utility Relocation & Design*
- *Ramp Metering*

ADKO Engineering



Montano De El Dorado

Wall Structure Design

Segmental retaining walls (SRWs) were introduced in the United States about 25 years ago, first in landscape applications and later as structual retaining walls. These systems have great advantages compared with all other systems and SRW unit versatility have broadened their use and innovation.

The advantages of SRWs include the following:

- ***Design Flexibility***
- ***Aesthetics***
- ***Economics***
- ***Ease of Installation***
- ***Performance***
- ***Durability***

ADKO Engineering provided retaining wall plans specifications and estimate for Montano De El Dorado Retaining walls in El Dorado Hills, CA. A 2000 foot long and 20 foot high masonry reinforced concrete and VersLok retaining walls.

Bridge Design

Rail Transit

Seismic Analysis

Roadway Design

Construction Management

Planning & Project Development

ADK Engineering

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