

VOLUME 14 NUMBER 1

# Cars & Stripes

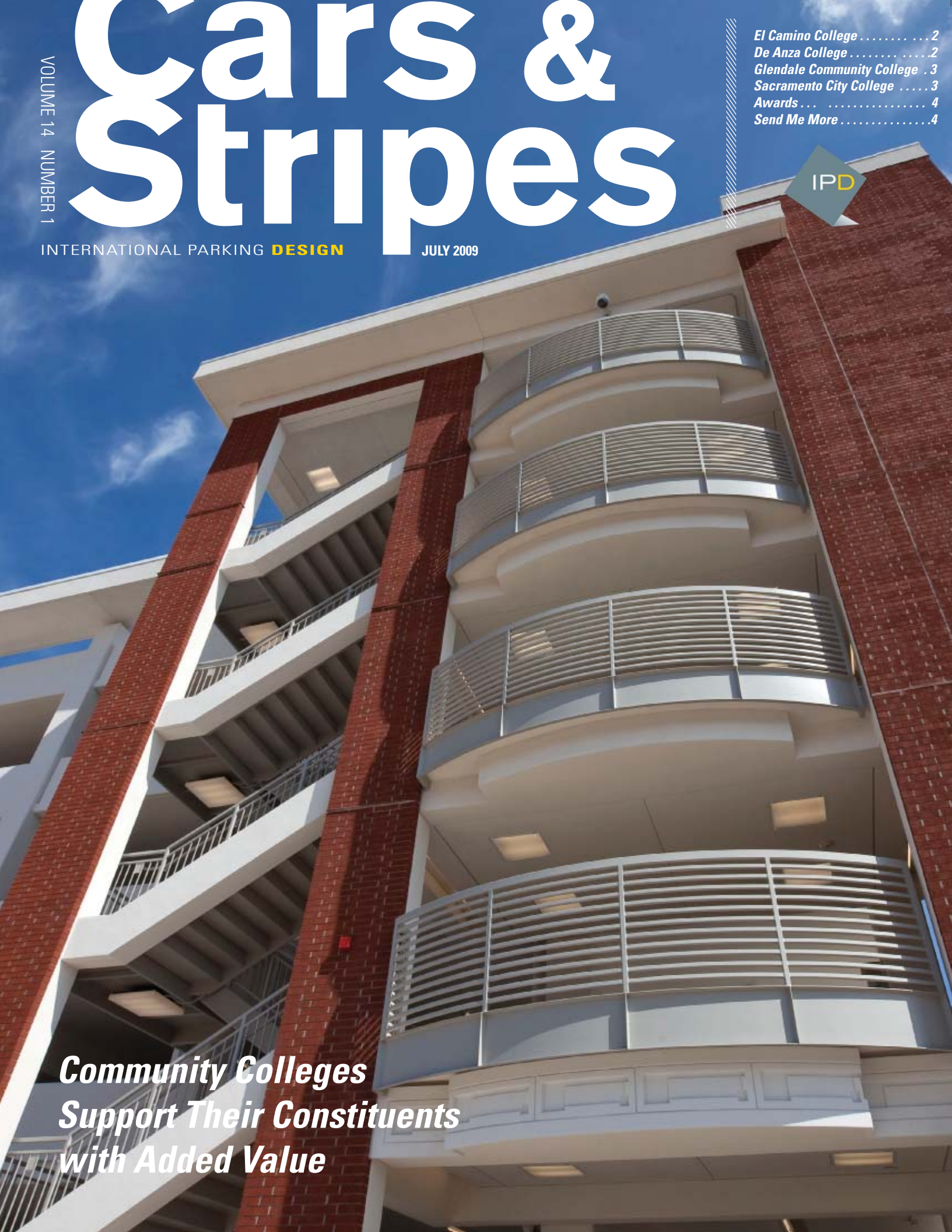
INTERNATIONAL PARKING DESIGN

JULY 2009

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IPD

*Community Colleges  
Support Their Constituents  
with Added Value*



## ***El Camino College Eagerly Embraces Additional Parking with Athletic Facilities***



*El Camino College Lot H Parking Structure (Photography by RMA Photography, 2009)*

After a soft opening in June 2009, the **El Camino College Lot H Parking Structure** has opened with acclaim from students, faculty, and visitors for its user-friendly and spacious design. As part of the Facilities Master Plan, the parking structure was built to alleviate one of the important challenges that have plagued this growing campus--that of adequate parking for the high volume of traffic to the campus.

At five levels, with one at grade and 4 levels above, over 1100 parking spaces have been made available at the College's southwest precinct. Designed with cast-in-place concrete columns, post-tensioned concrete slabs and beams, the seismic-resisting system features shear walls, with the College's logo prominently facing the new vehicular entry/exit point. Each of the two entry/exit driveways has roll-up grille doors. Reflecting the campus architecture, the exterior treatment consists of full-size brick at selected intervals and decorative exterior grillework. Surrounding this highly anticipated parking structure is a full complement of outdoor athletic amenities, including a natural-turf NCAA regulation softball field with a partial football field, and ten synthetic-surface tennis courts on painted asphalt. Pedestrian walkways and pedestal-mounted emergency "blue phones" provide a secure passage from the parking structure to the additional surface-lot parking and the campus. As architect-of-record and engineer-of-record, **IPD** has provided the college not only with new parking, but also the realization of a dream to make life easier for students, faculty, and visitors, as well as added value to the athletic complex.

## ***De Anza College Celebrates Solar Power and Energy Efficiency at Stelling Parking Structure***

It's not often that a parking structure can inspire a new level of social awareness, but **De Anza College** in Cupertino has made the **Stelling Parking Structure** the rallying point for its commitment to solar power and energy efficiency in the community. Opened in April of 2007, the prosaically-named Parking Lot C was newly christened **Stelling Parking Structure and Lot C**, as part of an open competition to inaugurate this unique property on campus.

Providing 779 reconfigured surface parking spaces in addition to a new three-level parking structure for a total supply of 1840 spaces, the facility is designed with three parking bays, the centermost being a sloping parking floor/ramp that connects each of the three levels.

The elegant details of trellis latticework, plaster arches and Spanish tile roof elements inspire the contextual relationship

with surrounding campus buildings, while leaving the interior wall-free. The parking structure is cast-in-place concrete with post-tensioned beams and one-way, post-tensioned slabs. Seismic resistance is provided by special moment-resisting frames that maximize sightlines in the transverse direction and exterior shear walls in the longitudinal direction. As architect-of-record and structural engineer, **IPD** is proud that installation of a photovoltaic 201kW peak AC-rated PowerTracker solar parking shade system, with 340,000 kWh/year power production by **Chevron Energy Solutions**, has crowned this multi-functional and value-added feature



*(Photography by Rein van Rijthoven)*



*Stelling Parking Structure (top image); Stelling Parking Structure Rooftop Photovoltaic Panels (above)*

for the College and provided a focus for its on-going commitment to sustainability.

## Glendale Community College Parking Structure Wins Award for Best Transportation Project



Photography by RMA Photography, 2008

High atop a hillside overlooking the **Glendale Community College** campus, a spectacular stepped design gives this award-winning parking facility

an opportunity to disguise its mass within the visual interest engendered by its siting. At the west side rising four levels, and the east at six levels, setting

the structures on a slope permitted vehicular access points on the first three levels, and a light well along the east face allowed both partially below-

grade levels to have access to natural light and ventilation. Connected to the campus below with a bridge to the elevator tower, its 1169 spaces serve as an important conduit for the college and the **City of Glendale's** largest solar project to date.

Comprised of 872 solar panels with a rated output of approximately 262 kilowatt capacity, the parking canopy, mounted with solar photovoltaic arrays on the roof, is expected to generate 400 megawatt hours of renewable energy each

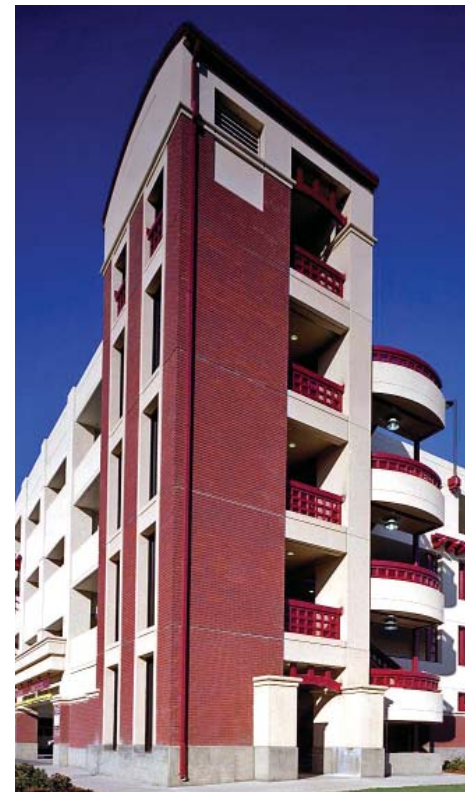
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## Sacramento City College Puts Students and Safety First

Before completing the new **Sacramento City College Parking Structure**, the campus was in a bind; nearby William Land Park was imposing a \$35 parking ticket on cars parked longer than 2 hours. With rising enrollment and a lively commuter populace, it was the addition of over 1800 spaces on five levels at the north end of campus that solved the problem while preserving invaluable land for future college buildings. Designed to provide a safe interior environment for vehicular traffic as well as pedestrians walking to and from their cars, the well-lit structure carefully integrates with the Spanish Colonial campus architecture using brick-clad precast panels, metal trellis and appropriately scaled fenestrations. The vehicular entry/exit areas are expressed with metal canopies and enhanced brick precast elements.

The garage features both passive and active security elements to provide a safe

and secure user-friendly environment in the structure, including a lateral force-resisting moment frame system to the garage exterior, open stair elements, glass-back elevators, generous light levels, CCTV camera system and emergency lighting incorporated in the structure. Along with providing parking needs for the growing campus, a 3175 square-foot campus police facility provides a centralized police operation for all campuses within the **Los Rios Community College District**. The police facility is state-of-the-art in providing the highest level of safety and security for the college campuses. **IPD**, as the architect-of-record and engineer-of-record, was part of the **Otto Construction** design-build team, was able to assist **Sacramento City College's** firm commitment to campus security and student safety with this multi-purpose parking structure.



*Sacramento City College Parking Structure  
(Photography by Cathy Kelly, 2008)*



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## Glendale Community College, continued

year--enough to power 125 homes. The solar system produces peak electricity during the daytime, when the college experiences the highest demand for power, and serves 10 percent of the campus' energy needs. In partnership with **Glendale Water & Power** and **Chevron Energy Solutions**, Glendale Community College's Dr. Audrey Levy stated, "This has been a wonderful venture and one that is much needed as we struggle to streamline our utility costs." Spencer Hoskins, the campus architects, performed the exterior design work, while **IPD's** design as architect-of-record and engineer-of-record for the parking structure includes a steel truss system over the entire roof for the solar panels' installation.

## And The Award Goes To. . . .



(Photography by Nick Costea)

The **Irvine Transportation Center** has been honored with its second award. **International Parking Institute (IPI)** has granted the structure the Award of Merit for **Best Structure over 800 spaces**. This structure also won **American Public Works Associaton (APWA), Southern California Chapter's Project of the Year Award**. Serving Amtrak, Metrolink and the OCTA, **IPD** was the architect-of-record for

this 1500-space, 4-level garage.

The **Santa Monica Civic Center Parking Structure** has won its eleventh award! The **Los Angeles Business Council** has recently honored the structure with the **2009 Los Angeles Architectural Community Impact Award**. As one of the first LEED parking structures in the nation, **IPD** was the architect-of-record for this 8-level, 881-space structure.

Want to know more? Visit [www.ipd-global.com](http://www.ipd-global.com)



(Photography by John Edward Linden)

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