



DIVISION OF THE STATE ARCHITECT

A DIVISION OF  DGS

# C.A.S.H. DSA Update Workshop

June 2007

## Workshop Topics

- DSA Update
- 2007 Title 24 Code Updates
  - Accessibility
  - Structural Safety
- Overview of DSA Website
- Construction Oversight, and Project Close-out and Certification
- Top Ten Tips for Project Success with DSA



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# DSA Update

C.A.S.H. Workshop  
June 2007

## Challenges

- Resources
- Timeliness
- Consistency
- Accuracy
- Communication

## DSA Update Topics

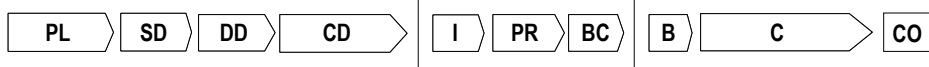
- Interfacing with DSA
- DSA Academy
- Satellite Offices
- MEP and Energy Review
- Electronic Plan Review
- Electronic Documents Pilot
- High Performance Schools

## Update Topics (cont.)

- Project Close-out Initiative
- Field Supervision Pilot
- Strategic Partnering

## Interfacing with DSA

### Project Development Activities



- Recommended preliminary review meeting conducted—district, design professional, DSA—to:
  - Identify technical requirements
  - Identify schedule—project submittal and plan review completion
- Geohazards/geotechnical reports prepared and submitted to DSA

## Project Development Activities



- Recommended preliminary review meeting conducted—district, design professionals, DSA—to:
  - Identify technical requirements
  - Resolve technical deficiencies prior to DSA project submittal
  - Confirm schedule—project submittal and plan review completion
- Project prepared for DSA submittal in accordance with DSA-3, Project Submittal Checklist

## Plan Review and Approval Activities



- Project completeness confirmed and accepted for plan review by DSA
- Plan review performed by DSA. District and design professional notified of any significant deficiencies needing correction during plan review.
- Plan review comments reviewed and responded to by district and design professional
- DSA approves plans and specifications

# Construction Activities



- DSA-certified Project Inspector and DSA-approved testing lab secured by district and design professional
- Construction process for code compliance facilitated by DSA Field Engineer
- Notice of project completion filed by district
- Letter of certification issued by DSA for a project “when all requirements have been met and documentation to that effect have been provided by the Architect in charge, Inspector of Record, and the School District owning the project”

## DSA Academy

## DSA Academy

- Promotes quality design and construction of educational facilities and other governmental buildings in California by providing centralized training
- Classes open to public and designed for those involved in planning, design and construction of educational facilities and other governmental buildings in California

## DSA Academy—Audiences

- School District Staff
- Community College Staff
- Architects
- Engineers
- Inspectors
- Contractors and Project/Construction Managers
- DSA Staff
- Consultant DSA Plan Reviewers

## DSA Academy—Presentations

- DSA 101—An introduction to DSA: Its organizational structure, responsibilities, and plans for the future
- DSA 201—Construction Oversight, and Project Close-Out and Certification
- View online...  
[www.DSAacademy.dgs.ca.gov/presentations](http://www.DSAacademy.dgs.ca.gov/presentations)
- In-person presentation available by request

## DSA Academy—Current Classes

- Project Inspector
  - Overview
  - In-Depth Electrical
- Accessibility
  - Plan Review
  - 2007 CBC Amendments
- Structural Safety
  - Plan Review
  - 2007 CBC Amendments
- Fire and Life Safety
  - Plan Review
  - Acceptance Inspections for Schoolhouse Construction

## DSA Academy—Future Classes

- Project Inspector
  - In-Depth Structural
  - In-Depth Access
  - In-Depth Mechanical
  - In-Depth Plumbing
- Accessibility
  - Project Scoping - Determining Applicable Accessibility Requirements
  - Field Investigations - Facility Surveys, Mitigation Plans & Accessibility Reports
  - Design Strategies for Accessibility Based on Performance Obligations
  - Plan Review of Accessible Features in Construction Documents
  - Blending Universal Design with Performance Based Design Methods

## DSA Academy—Future Classes (cont.)

- Structural Safety
  - DSA Policies & Procedures - Structural
- Fire and Life Safety
  - DSA Policies & Procedures - Fire & Life Safety

## DSA Academy

- Visit the DSA Academy Website at [www.DSAacademy.dgs.ca.gov](http://www.DSAacademy.dgs.ca.gov)
- Information on...
  - Class schedules
  - Class descriptions
  - Online registration
  - Automated class notification system
  - Continuing education credits

## MEP and Energy Review

## MEP and Energy Review

- Mechanical, electrical and plumbing (MEP) and energy plan review by DSA to commence in 2008
- Currently assessing...
  - Depth of DSA review
  - Implementation needs including resources, policies, procedures, training, etc.

## Satellite Offices

## Satellite Offices

- Satellite offices established at Bakersfield and Riverside
- Service currently provided by appointment only
- Current services include pre-submittal meetings, “over-the-counter” review, and other prearranged meetings
- Appointments conducted by DSA teams including a supervisor and plan reviewers in each discipline
- Recruitment of permanent full-time staff in progress

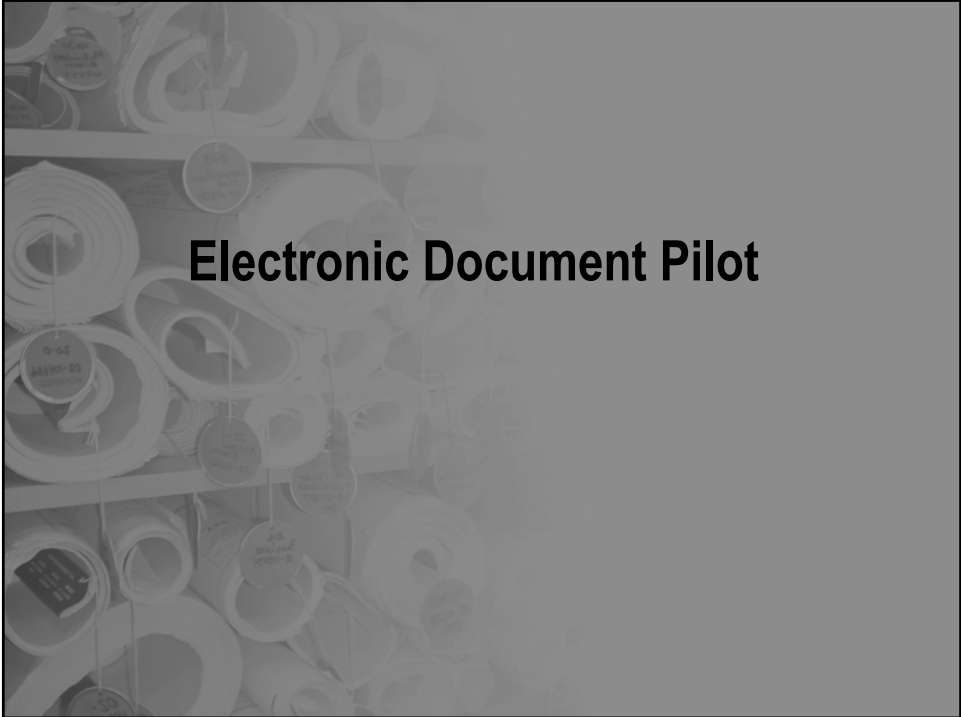
## Electronic Plan Review

## Electronic Plan Review

- Intent that all project plans be submitted and reviewed electronically by DSA
  - Electronic submission (CD or via ftp site)
  - Paperless plan review
  - Web-conferencing for back check appointments
  - Digital signatures/stamps for project approval
- Procedures for e-plan review posted on DSA website
- All DSA regional offices conducting e-plan reviews

## Electronic Plan Review (cont.)

- Initial focus on small and “over-the-counter” projects
- Web conferencing software installed and testing for use during backcheck underway
- Training in use of e-plan review for architects available
- E-plan review utilized on 75 projects statewide to date



## Electronic Document Pilot



## Electronic Document Pilot

- All documents required for project certification submitted and managed electronically
  - Project documents submitted via Internet
  - DSA project files on Internet with secure log-in and accessible by DSA clients
  - Reporting capabilities for DSA management and clients
- Pilot project underway at San Diego Regional Office



## High Performance Schools



## High Performance Schools

- AB 127 (Statutes of 2006) provided \$100 million in grants for High Performance School designs (HPS)
- Program administered by Office of Public School Construction and grants awarded through State Allocation Board
- The Division of the State Architect responsible for conducting HPS plan review based on Collaborative for High Performance Schools (CHPS) rating criteria

## High Performance Schools (cont.)

- Grant award for applicant projects determined as a result of DSA/HPS plan review
- Regulations to implement program pending approval


## Project Close-Out Initiative

## Project Close-Out Initiative

- Hired additional temporary closing staff to close backlog. Plans for hiring additional temporary closing staff.
- Developing a Closing Manual to standardize and streamline closing procedures statewide. Completion scheduled for June 2007.
- Finalizing significant improvements to e-Tracker database to improve close-out process and information available to clients. Completion scheduled for June 2007.

## Project Close-Out Initiative (cont.)

- Plans to develop closing training for district personnel and design professionals to be offered by the DSA Academy
- Backlog has been reduced from 6,850 projects in 2006 to 6,405 projects to date
- Goal to eliminate backlog by June 2008



## Field Supervision Pilot



## Field Supervision Pilot

- Pilot underway in Sacramento Regional Office
- Provides increased levels of service from DSA on projects during construction phase
- Increases quantity and expertise of DSA field staff
- New classification—Construction Supervisor—responsible for facilitating non-structural milestones for fire and life safety, access and MEP



## Strategic Partnering



## Strategic Partnering

- Strategic partnering efforts in place between DSA and LAUSD, SFUSD and LACCD
- Utilizes a formal partnering methodology and facilitator for facilities programs and results in improved outcomes for all
- Results in improved levels of cooperation, communication, and alignment on operational procedures to meet programmatic needs

## Strategic Partnering

- Provides opportunities for initial implementation of the Collaborative Process
  - Roles and responsibilities clarified
  - Preliminary review meetings conducted
  - Project schedules coordinated
  - Construction documents of higher quality
  - Specialized DSA team

## DSA Update

**Thank You!**