

BIM4I

Digital Products Catalog

Caltrans' information framework for connecting people, standards, workflows, and data across the project delivery lifecycle and beyond.

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Surveys

Digitize & centralize standards first. Then centralize Department data.

Sequence matters. Siloed standards produces siloed data.

01

Digitize the standards

Convert Caltrans standards, code libraries, and templates into structured, machine-readable formats.



02

Centralize Department data

Bring Department digital information into one governed, trusted source across the asset lifecycle.

Once centralized, put standards to work

The DPC turns governed standards into tools people use every day.

1

Template products

Use FME to build ready-to-use template products from centralized standards.

2

ETL tools

Extract, transform, and load pipelines move data reliably between systems.

3

Connected outcomes

Link to other databases, including the project-specific feature code library, for connected results.

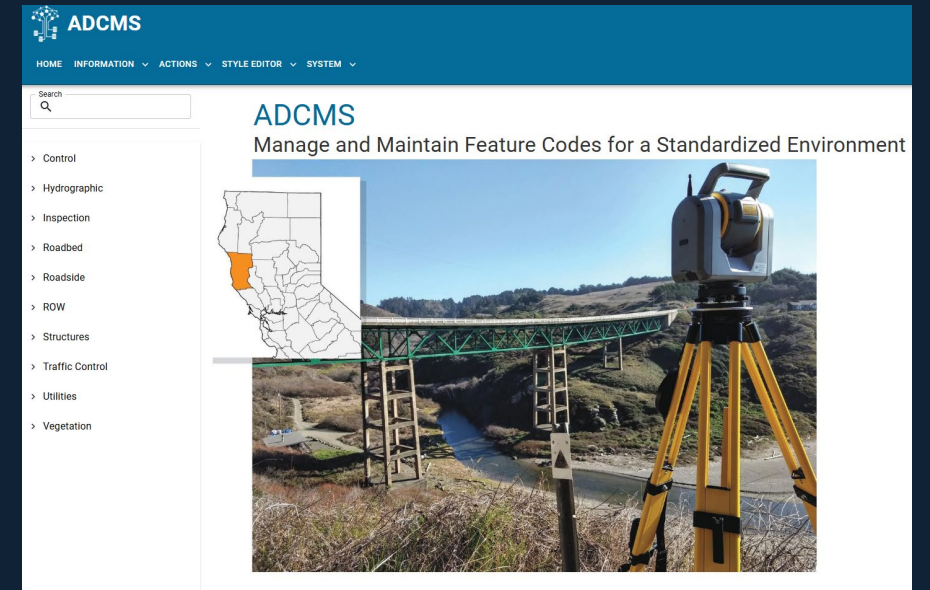
SEE IT IN ACTION

Demo: the DPC application

A live look at the DPC app in action.

- Edit existing catalog entries and attributes
- Add new products to the catalog
- Subtract or retire products no longer in use
- Feature Code Library (FCL) generation
- Workspace XML configuration files (GIS)
- JSON files for Civil 3D (ArcGIS Connector in C3D)

LIVE DEMO



WHAT'S NEXT

Built to last: Full ISO 19650 support

Next phase: full ISO 19650 support, Department-wide.



All four, connected across every Caltrans program, not just Project Delivery.

Building the Caltrans Information Framework Team

CIFT leads. Consultants implement, not the reverse.

PERMANENT

IFT Governance Team

The standing body that owns direction, standards decisions, and long-term accountability for the framework.

FLUID

IFT Workgroup

Task-based participants who flex by project and discipline to solve the work in front of them.

THE TAKEAWAY

Standards first. Centralize once. Put it to work everywhere.

- Digitize and centralize standards, then delivery data
- FME, ETL, and connected databases put the catalog to work
- Next phase: full ISO 19650 support, department-wide
- CIFT leads: governance before technology

"To do new things, we need new ways"