PROJECTWISE – LESSONS LEARNED

Chris Swanson
April 12, 2019
MOVING CLOSER TO CIVIL INTEGRATED MANAGEMENT

Successful efforts over the last year
• Updated our document management system
• Provided access to VDOT and its partners
• Started workflows for sending and receiving working documents

Ongoing efforts to advance CIM through lessons learned
• Expand PW to include project management files
• Revise protocols for PW access
• Identify policies on the proper use of ProjectWise
• Advance deliverables management into other areas
CIVIL INTEGRATED MANAGEMENT (CIM)

• aka Building Information Modeling (BIM)

• Technology-enabled collection, management, and use of information throughout the life cycle

• Assists with the visualization, analysis, plans, specifications, estimates production, and asset management.

• It’s not CIM if we simply meet L&D needs
PROJECTWISE FOR DMS

- Leverage data to its fullest
- Better manage large amounts of data
- Centralize where data is stored
- Enhance audit history and retrieval
- Share information across disciplines
- Overall better collaboration
PROJECTWISE (CONNECT EDITION)

Department scoped two efforts

- Migrate Falcon data to ProjectWise
- Pilot Deliverables Management (PWDM) for handling of shop drawings
PROJECTWISE EXPLORER

Collaboration software specifically designed for the AEC industries.

- File Indexing (OCR)
- Reference files can be moved/renamed
- Move files through drag and drop
- Group Access for Security
- Turn on/off levels in preview pane
- Add notes on check in
- Preview documents before opening
- Pull data from other systems to populate data fields
PROJECTWISE DELIVERABLES MANAGEMENT (PWDM)

Secure exchange between partners. Acknowledge, download, review, and respond to documents through the web portal.
PROJECTWISE DELIVERABLES MANAGEMENT (PWDM)

Diagram showing the process flow of Milestone & deliverable planning, Package is reviewed & issued, Package delivered, and the subsequent steps involving Owner/ Operator, EPC, which includes Submission, Package received, Acknowledged, Reviewed for actions, Design review, and Progress tracking. The diagram also highlights the tracking of Responses received and Responses sent.

After comments addressed by CAD Designers and drawings updated.
PROJECTWISE BY THE NUMBERS

Total Files in ProjectWise
> 2,500,000 total files migrated
> 300,000 additional files since

Total Access to ProjectWise
> 1,800 Internal
> 1,000 Consultants/Contractors
CONTINUED EFFORTS (NEW FOLDER STRUCTURE)

Project Management Files

- Project Management
  - Administration
  - Scoping Phase
  - Preliminary Design Phase
  - Detailed Design Phase
  - Final Design & RW Phase
  - Advertisement Phase
- Bridge
- Construction
  - Environmental
  - Hydraulics
  - Infrastructure Investment
- Landscape
- Materials
- MS-4
- Right of Way
- Roadway
- Survey
- Traffic
- Utilities
CONTINUED EFFORTS (PROJECTWISE ACCESS)

Contractors are no longer required to have COV domain accounts
CADD support can create PW logical accounts
  • Reduces burden related to expired or locked accounts
CONTINUED EFFORTS (USE REQUIREMENTS)

Review approximately 200 active projects in ProjectWise
• ~75% of project were storing files in ProjectWise as intended
• ~25% of projects were not
CONTINUED EFFORTS (USE REQUIREMENTS)

Use of ProjectWise for all projects is essential to maintain file integrity and fully utilize all of ProjectWise capabilities

System of record for:
• File management, exchange, & collaboration for design and plans production
• from Scoping through Advertisement Submission and Award of the project.

The practice of having working files on a local drive that are not connected to ProjectWise severely limits collaboration, and therefore, should be minimized or outright avoided.
CONTINUED EFFORTS (EXPAND USES OF PWDM)

- Design Exception & Waivers
- Rebaselining of Schedules and Budgets
- Scoping & Design Approval Packages
- LACC
- Project Estimate Validations
- L&D Consultant Services (Task Orders)
QUESTIONS