



E-Delivery: Concepts and Production Steps

Short Guide

District 4 CADD/Engineering Support Team

GOALS



In Plain English

- Clarify Concepts and Terms Used in E-Delivery Software
- E-Delivery Production: Steps by Steps Instructions

ARE YOU LOST ... ?



- Data Mining? What's Mining?
- Files Attributes? What's an Attribute?
- Project Index?
- Sheet Index?
- What's an Index?
- How many "Project Index" do we need?
- How many times data must be mined?

ARE YOU LOST (cont.) ... ?



- Purpose of these files ?
 - Index.xml
 - ProjectIndex.xml
 - Sheetndx.xml
 - SheetInfo.xml
 - ProjectFiles.htm
 - Project.pdf
- Relationship between files?

HELP ... !

HELP ... !



Where to Start ???

CLARIFY TERMS USED ...



- Index = LIST
 - Sheet Index = List of Plan Sheets
 - Project Index = List of All Files (in Project) with Attributes

- Attributes = Information/Properties
 - File Attributes = Information on a File
 - Date, Time, Size
 - EDMS Comment = Short Description
 - Used to describe non standard file name
 - DGN: Reference Attachments, Sheet Borders

CLARIFY TERMS USED (Cont.) ...



- Data Mining = Building a LIST of All Project Files with Attributes
 - EDI Process initiated by USER
 - Scanning complete project folder

SIMPLE ?

E-Delivery Software can be confusing

ED Software in a Nut Shell ...



Goals of ED Software

- Produce two simple Indexes in readable format
 - Project Index
 - Sheets Index
- Produce one PDF that contains all sheets in sheet order

Files in ED Production Process ...



- SheetInfo.xml
 - Sheet Index produced by Sheet Navigator
 - List of all Plan Sheets
 - Raw data readable only by Sheet Navigator
- Index.xml
 - Project Index
 - List of ALL Project Files with Attributes
 - Created or Updated with Data Mining Process
 - Raw data readable only by EDI

ED Files (cont.) ...



- ProjectIndex.xml
 - Sheet Index produced by EDI
 - List of all Plan Sheets
 - Raw data readable only by EDI

- Sheetndx.htm
 - Sheet Index produced by Project Browser
 - List of all plan sheets
 - Generated from ProjectIndex.xml
 - Contains hyperlinks to each sheet image
 - Readable by Humans through IE
 - Sheets printable through QSHEET

ED Files (cont.) ...



■ ProjectFiles.htm

- Project Index produced_by EDI
- List of all Project Files with Attributes
- Generated from Index.xml
- Readable by Humans through IE

■ Project.pdf

- All plan sheets (in sheet order) in one PDF
- Used by bidders, contractors and others to print complete plan set
- **MUST be in SYNC with Sheet images (PS)**

Files Relationship ...



Raw Data vs Readable Data: Raw Data Must be generated first !

Project Index

- Index.xml = ProjectFiles.htm
- Created/Updated through Data Mining
- **To Update when files are changed or created ... i.e: Often !**

Sheets Index

- ProjectIndex.xml = Sheetndx.htm
- Created from Project Index

Ready ... ?



Ready for an ED Production ?

See Short Guide for Production
Submittal ...

Also

See Short Guide for Revision
Submittal ...

Sequence ...



Sequence DO Matter:

1. SheetInfo.xml (sheet Nav. Index)
2. Index.xml (project index)
3. ProjectIndex.xml (sheet index)
4. Sheetndx.htm (sheet index)
5. Project.pdf (all sheets in pdf)
6. Index.xml
7. ProjectFiles.htm

DEMO ...



LIVE DEMO ...

Questions ??

