Florida Department of
TRANSPORTATION

AGENDA

- Technical Proposal and Component Plan Submittal Requirements for Structures
- "Released For Construction" Stamping Process

Design-Build Workshop
January 29 & 30, 2014

Fred Ochoa P.E.
District 4 Structures Design Engineer

Florida Department of
TRANSPORTATION

TECHNICAL PROPOSAL AND COMPONENT PLAN SUBMITTAL REQUIREMENTS FOR STRUCTURES

Technical Proposal and Component Plan Submittal Requirements for Structures

PPM Vol. 1, Section 26.14

Modification for Non-Conventional Projects:

Delete **PPM** 26.14.3 and replace with the following.

26.14.3 Design-Build Technical Proposal and Component Plan Submittals

Component Plan Submittals must conform to a uniform standard of completeness for each submittal. Use ***Exhibit 26-DD*** to prepare deliverables for each component submittals for fixed bridges. Use ***Exhibits 26-DD*** and ***26-EE*** to prepare deliverables for component submittals for moveable bridges. Unless otherwise shown in the RFP, Technical Proposals shall include the requirements of ***Exhibits 26-DD*** and ***26-EE.***

Submit component submittals per **Exhibits 26-DD** and **26-EE** (e.g., foundation, substructure, and superstructure) for each bridge. Partial submittals of individual elements within a bridge(e.g., End Bent 1, Pier 3, I-girder details, etc.) are not permitted.

Exhibits 26-DD and **26-EE** gives a listing of specific structure plan sheets to be submitted at Technical Proposal, 90% and Final Plans stage. For specific sheet content requirements, see Structures Detailing Manual Examples *for Non-Conventional Projects*. For sheets not covered by specific example, see general description below for required level of completion.

1. **Preliminary (P):** Basic shapes, geometry and layout of specified members are shown. Rebar, elevations, etc. are not required for Preliminary submittals. For

REFERENCE TO STRUCTURES PLAN SHEET REQUIREMENTS FOR TECHNICAL PROPOSAL AND COMPONENT PLAN SUBMITTAL S

Exhibit 26-DD **Summary of Design/Build Technical Proposal and Component Plan Submittals**

Provide the sheets listed as applicable based structure type.

Foundation Submittal

ITEM	Technical Proposal	90%	Final
Cover Sheet		C	F
Key Sheet		C	F
Sheet Index		C	F
General Notes	S	C	F
Surface Finish Details		C	F
Riprap Details		C	F
Slope Protection Details		C	F
Plan and Elevation	P	C	F
Typical Section	P	C	F
Hydraulics Recommendation	P	C	F
Construction Sequence	P	C	F
Borings		C	F
Foundation Layout	P	C	F
Pile/Shaft Data Table		C	F
Drilled Shaft Details		C	F
Temp. Bridge Foundation Layout	P	C	F
Existing Bridge Plans		F	F

All submittals shall include additional details and backup information necessary to substantiate the loading on the foundations. All submittals shall also include a copy of the Geotechnical Report.

‡‡ – Widenings and projects with phased construction

90% and Final submittals for category 2 bridges require an Independent Peer Review.

Summary of D-B Technical Proposal & Component Plan Submittals – Exhibit 26-DD

STRUCTURE PLAN SHEET REQUIREMENTS FOR TECHNICAL PROPOSAL AND COMPONENT PLAN SUBMITTALS

Provide the sheets listed as applicable based structure type.

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Foundation Layout	P	C	F
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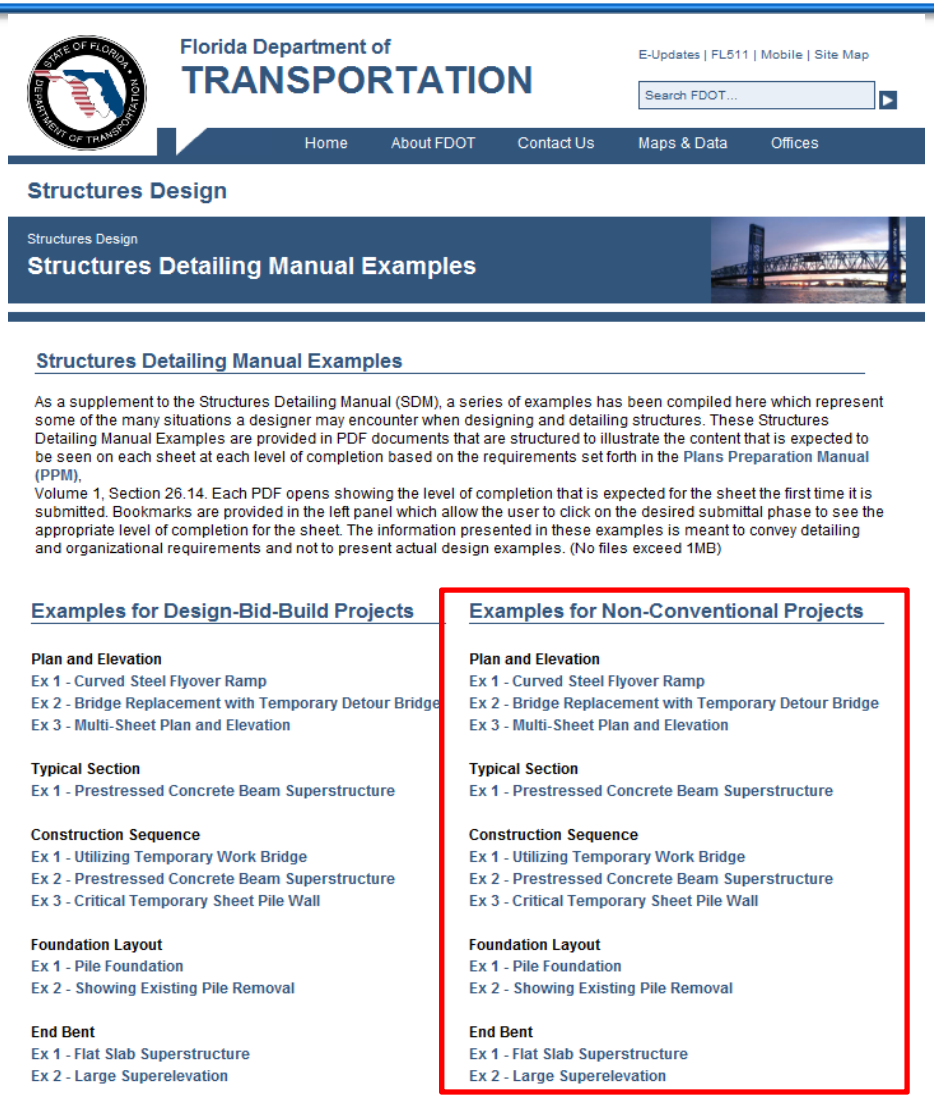
WEBPAGE HYPERLINK FOR SPECIFIC SHEET CONTENT REQUIREMENTS



Technical Proposal and Component Plan Submittal Requirements for Structures

Specific Sheet Content Example: Typical Section

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Structures Design

Structures Design
Structures Detailing Manual Examples

Structures Detailing Manual Examples

As a supplement to the Structures Detailing Manual (SDM), a series of examples has been compiled here which represent some of the many situations a designer may encounter when designing and detailing structures. These Structures Detailing Manual Examples are provided in PDF documents that are structured to illustrate the content that is expected to be seen on each sheet at each level of completion based on the requirements set forth in the Plans Preparation Manual (PPM),
Volume 1, Section 26.14. Each PDF opens showing the level of completion that is expected for the sheet the first time it is submitted. Bookmarks are provided in the left panel which allow the user to click on the desired submittal phase to see the appropriate level of completion for the sheet. The information presented in these examples is meant to convey detailing and organizational requirements and not to present actual design examples. (No files exceed 1MB)

Examples for Design-Bid-Build Projects

Plan and Elevation
Ex 1 - Curved Steel Flyover Ramp
Ex 2 - Bridge Replacement with Temporary Detour Bridge
Ex 3 - Multi-Sheet Plan and Elevation

Typical Section
Ex 1 - Prestressed Concrete Beam Superstructure

Construction Sequence
Ex 1 - Utilizing Temporary Work Bridge
Ex 2 - Prestressed Concrete Beam Superstructure
Ex 3 - Critical Temporary Sheet Pile Wall

Foundation Layout
Ex 1 - Pile Foundation
Ex 2 - Showing Existing Pile Removal

End Bent
Ex 1 - Flat Slab Superstructure
Ex 2 - Large Superelevation

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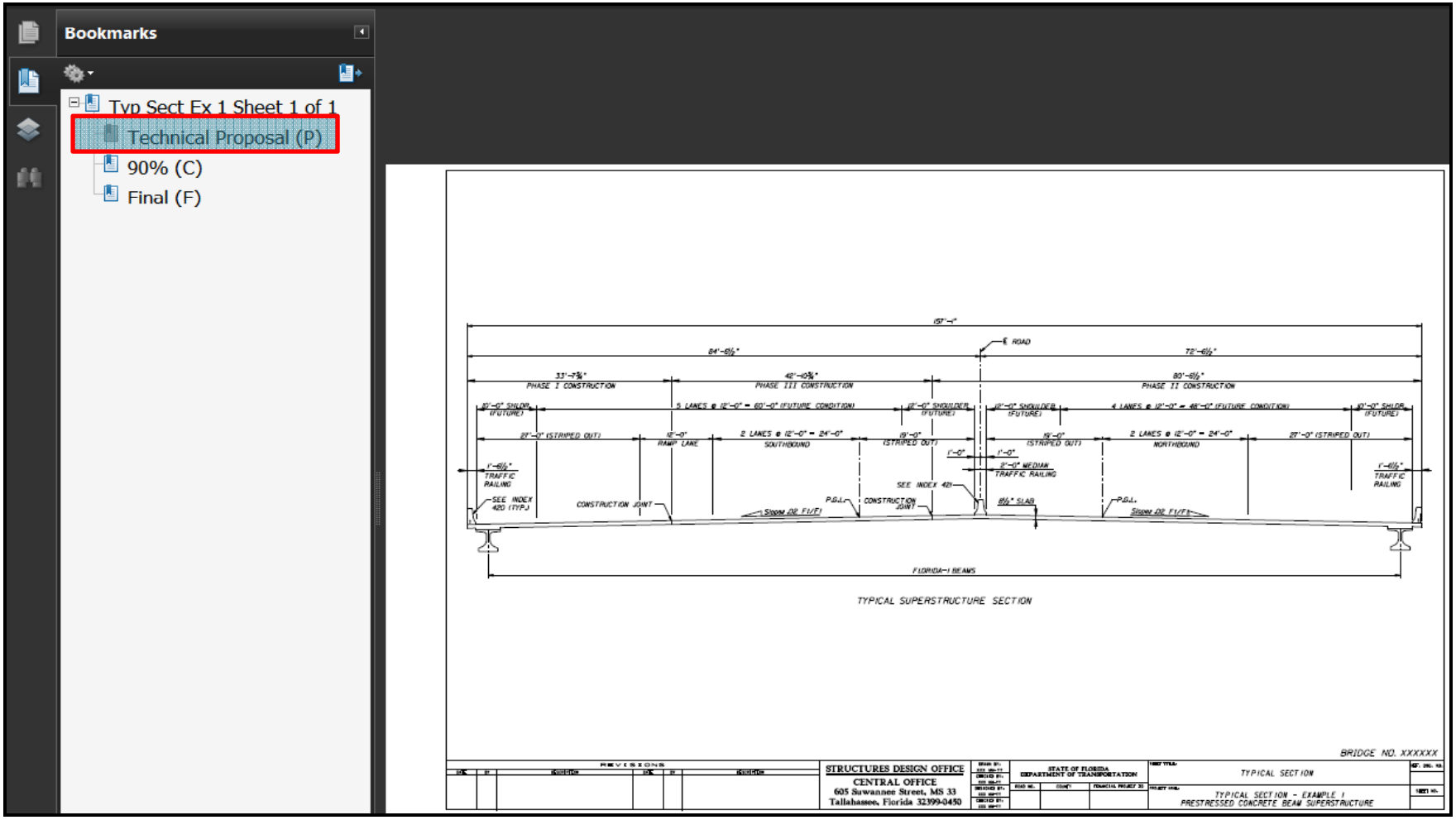
Technical Proposal and Component Plan Submittal Requirements for Structures

SPECIFIC SHEET CONTENT EXAMPLE - TYPICAL SECTION



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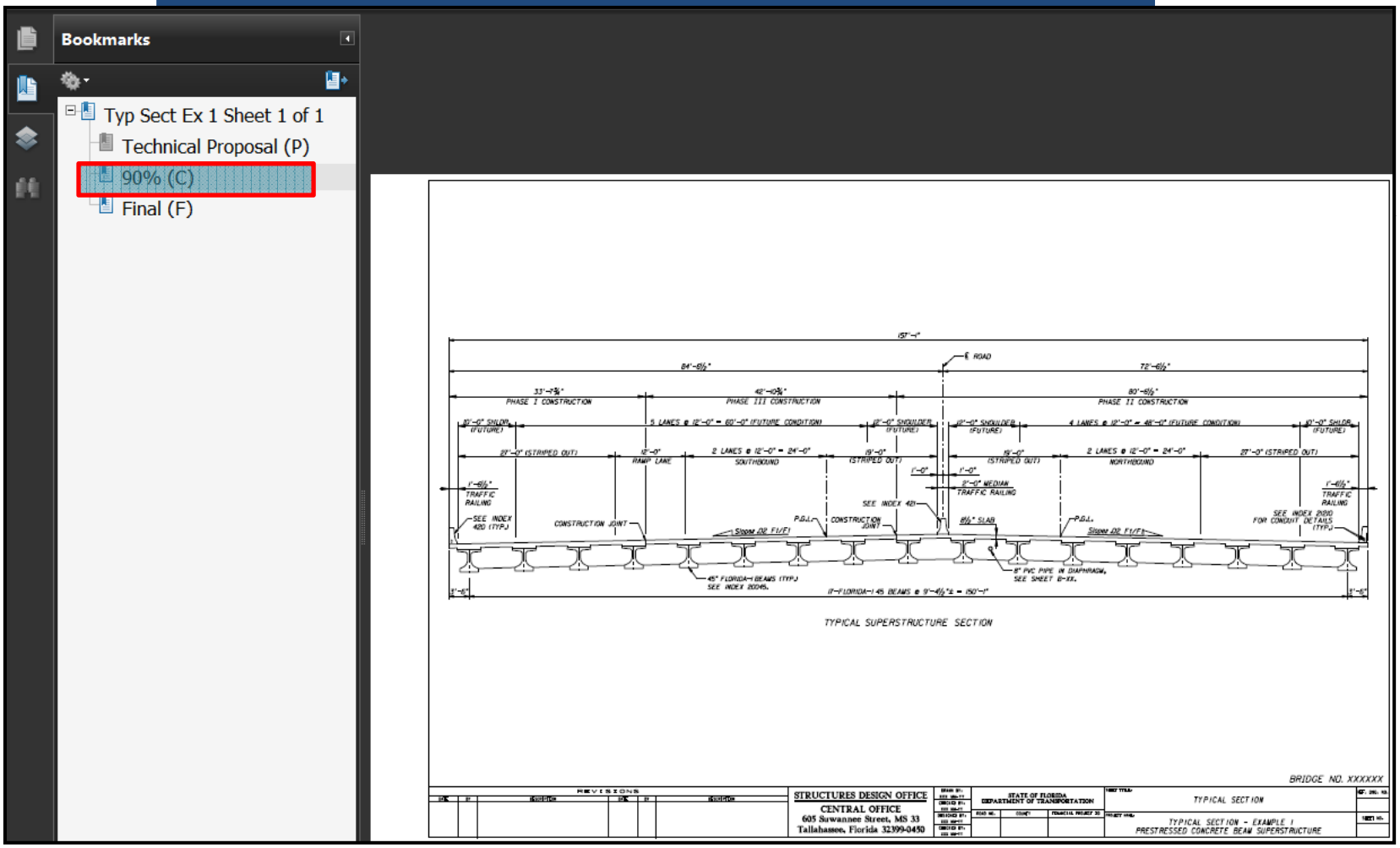

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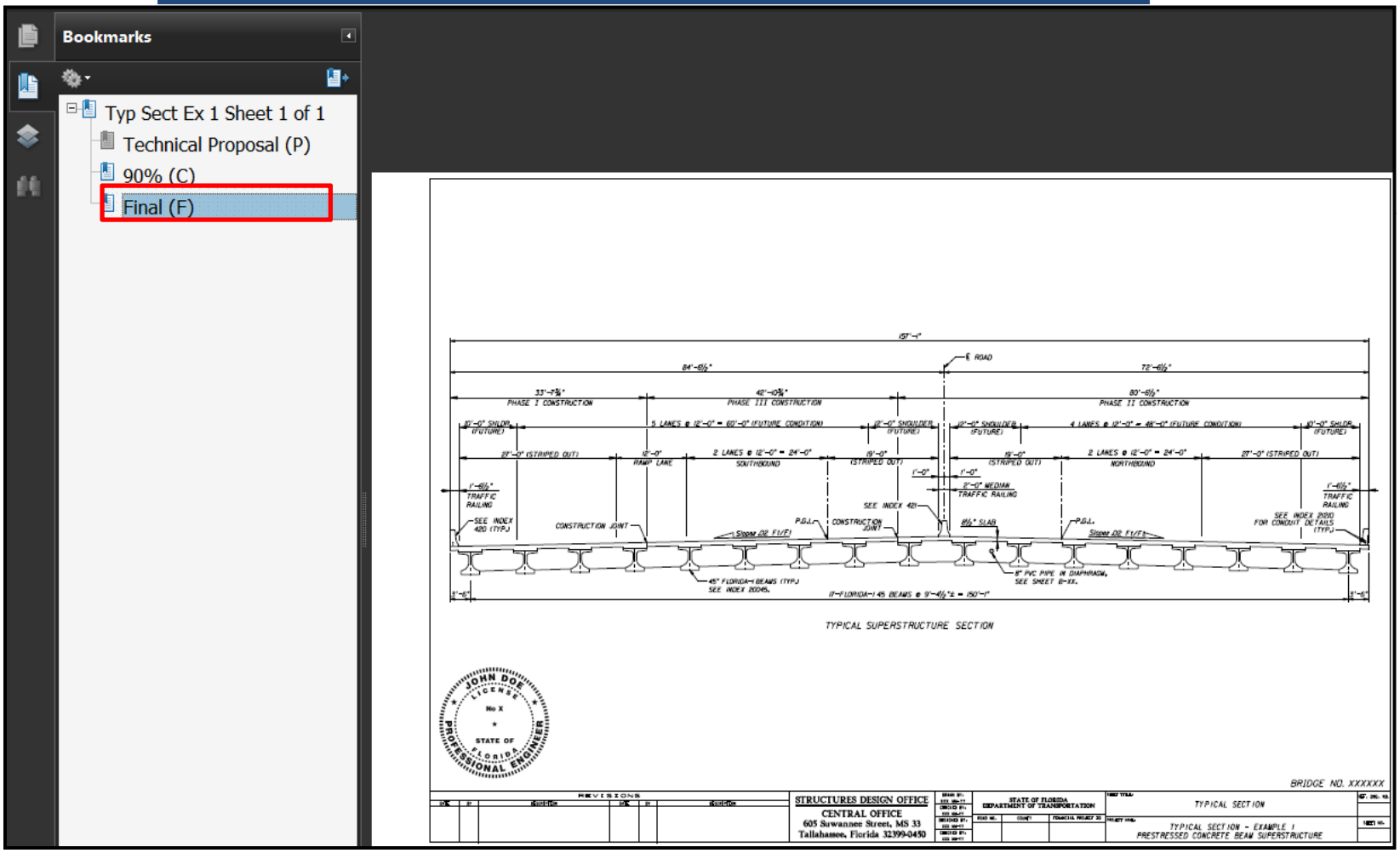

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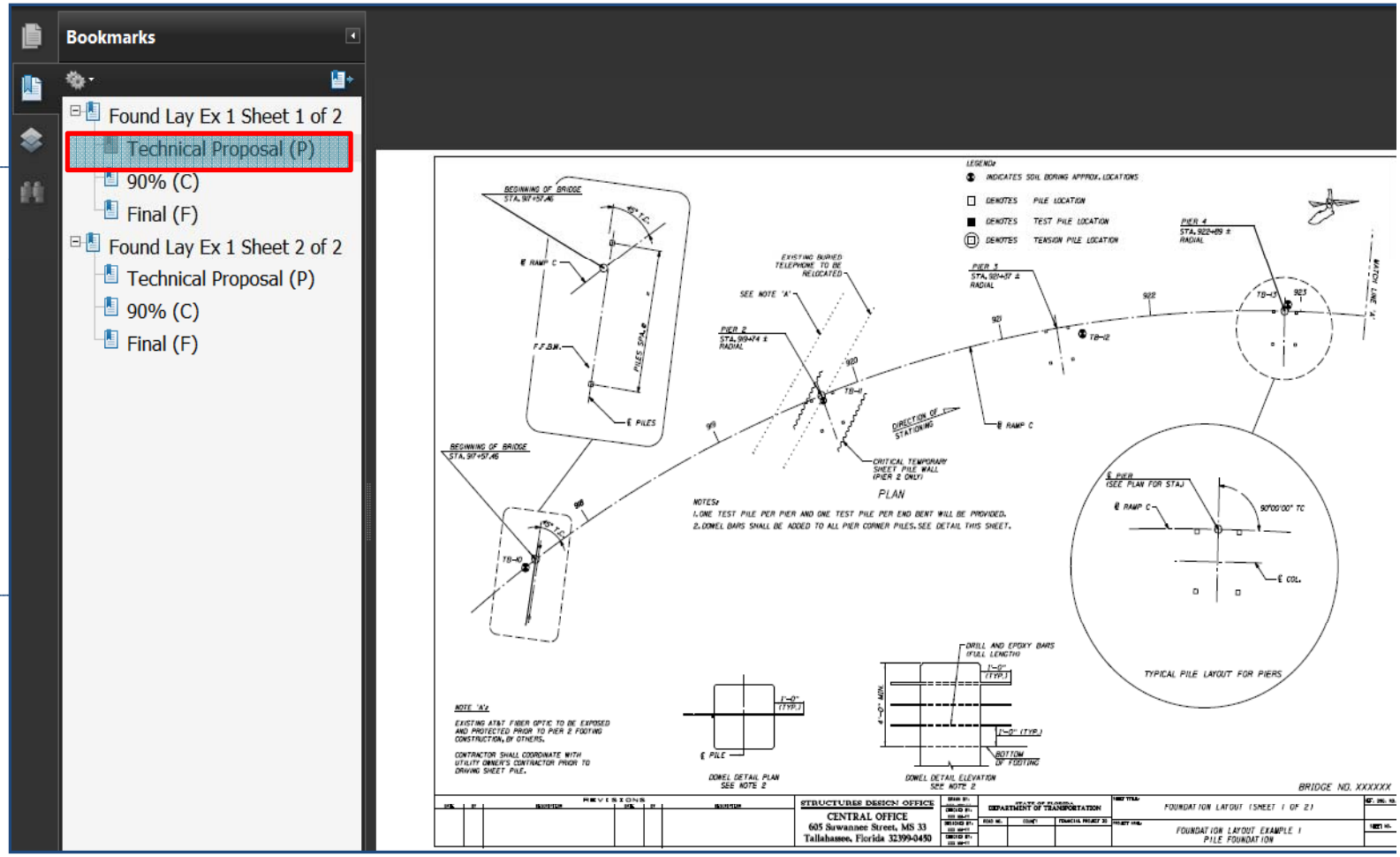
Specific Sheet Content Example: Foundation Layout



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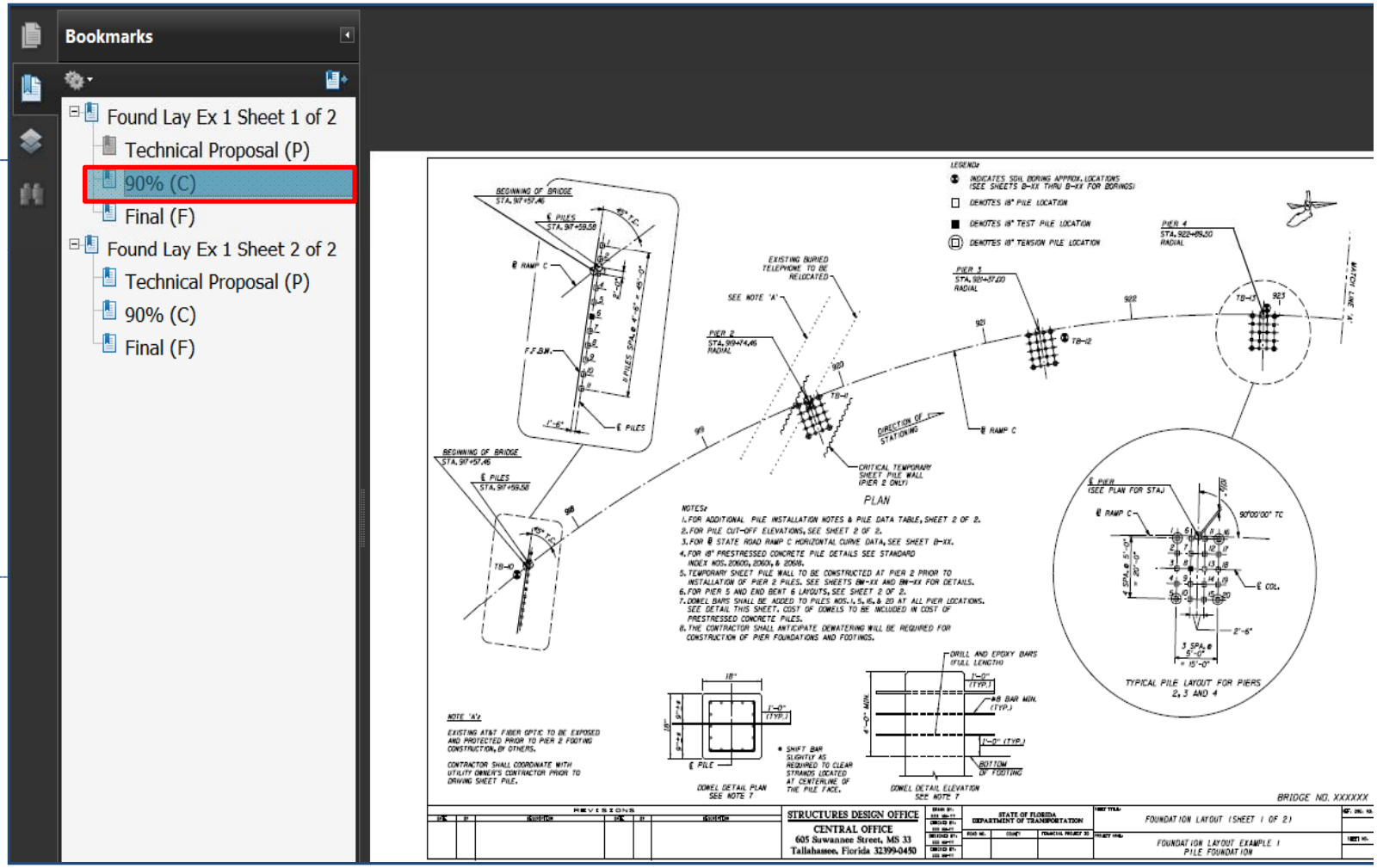

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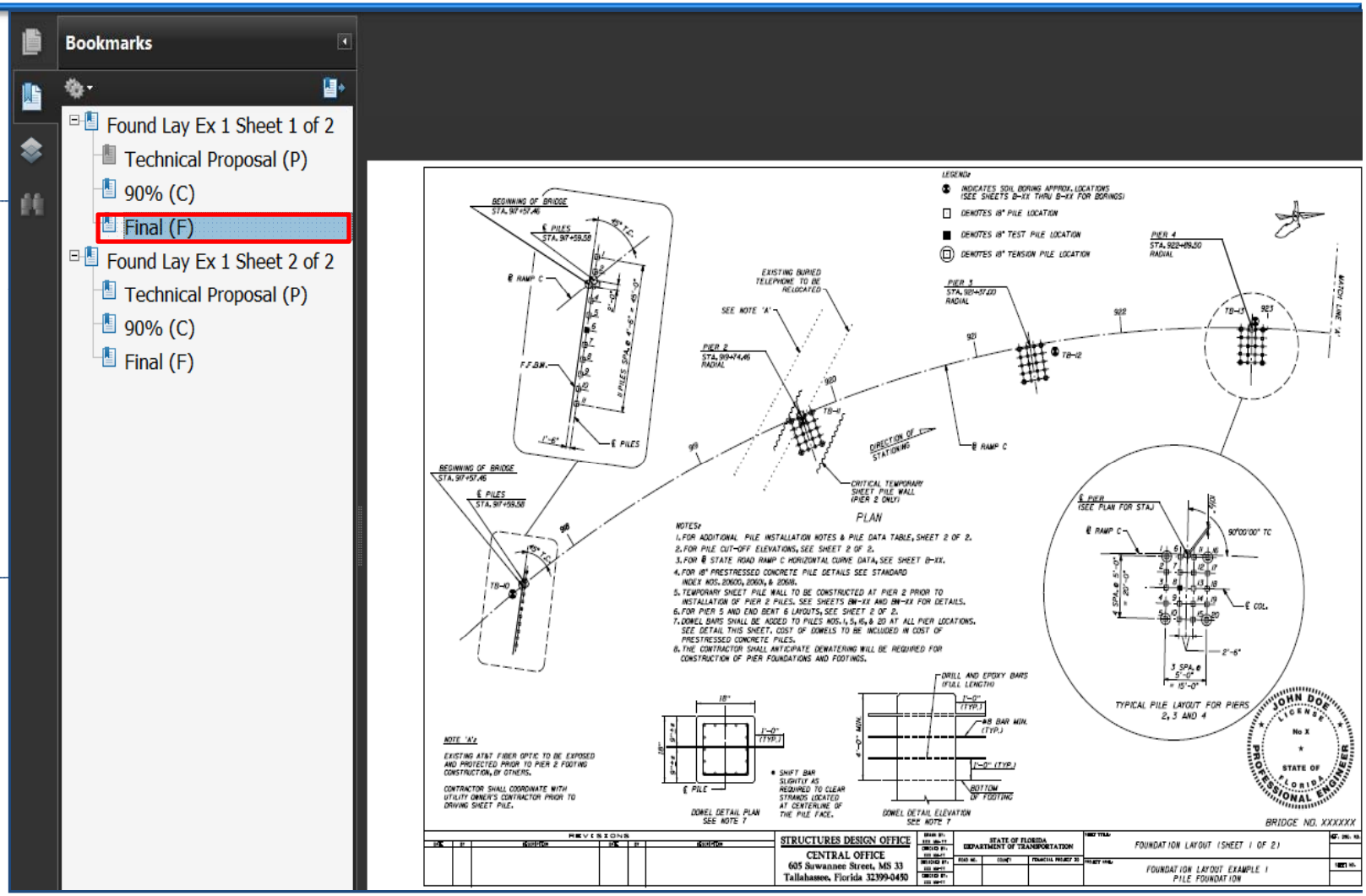
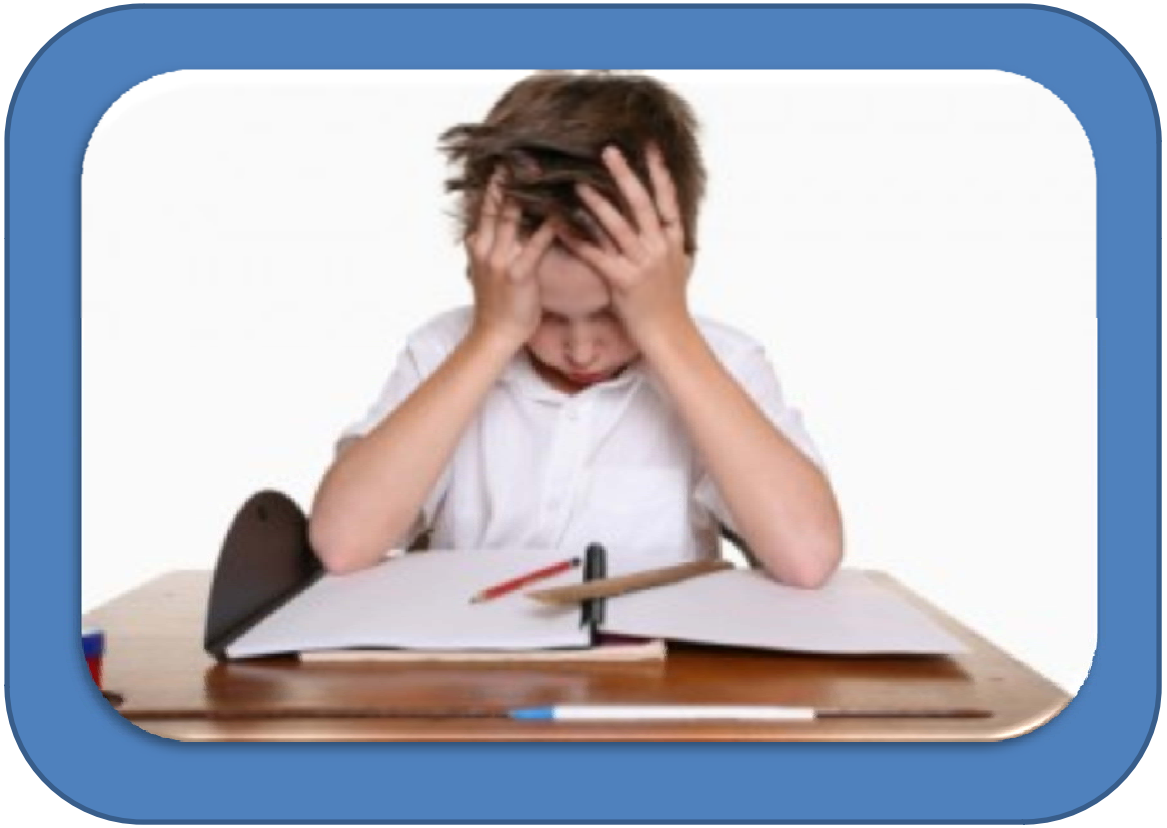


"RELEASED FOR CONSTRUCTION" PROCESS

"Released For Construction" Stamping Process

SOUNDS EASY RIGHT!



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INTENT OF CURRENT POLICY!?!

Questions

***For more information contact*:**

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